

UNIVERSITY OF CAMBRIDGE

**DEPARTMENT OF
APPLIED ECONOMICS**

**The Cambridge
Growth Project
1960-1987 :
a catalogue of the
collection**

**The Cambridge Growth Project
1960-1987**

A Catalogue of the Collection

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The Cambridge Growth Project Collection

Terms of use:

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Dates: 1958-1991, the collection includes the period of the project 1960-87

Physical description: 56 archive boxes

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Provenance: presented by Dr Terry Barker, Director of the Cambridge Growth Project 1983-87.

The collation of the archive and compiling of this catalogue was part of a project generously funded by **Cambridge Econometrics Ltd**, the spin-off company started in 1978 from the Cambridge Growth Project and celebrating 25 years in business in 2003. The history of CGP project was directed by Dr Terry Barker, Senior Research Associate in the Department of Applied Economics, University of Cambridge (co-director of the CGP from 1976-83 and Director of CGP from 1983-87). Dr Barker is also Chairman of Cambridge Econometrics Ltd. Wagner Dada, Wendy Foster and Costis Repapis were research assistants to Dr Barker.

The catalogue was compiled by Wendy Foster. This project also produced a numbers of papers (some titles not yet finalised) including:

The history of the Cambridge Growth Project and the emergence of Space-Time Economics by Barker, Dada, Foster, Repapis

Barker, T.S, Dada, W. and A.W.A. Peterson (2003 forthcoming), "Software Development in the Cambridge Growth project 1960-1976: the origins of software for Space-Time Economics", *Journal of Economic and Social Measurement*, 2003.

History of Cambridge Econometrics by Barker, Dada, Foster and Repapis

Space-Time Economics by Barker and Repapis

See also: <http://www.econ.cam.ac.uk/dae/research/cgp>

List of abbreviations, acronyms and terms used and where relevant, associated websites:

List of abbreviations, terms and acronyms:

CE	<u>Cambridge Econometrics</u>
CGP	Cambridge Growth Project
CSO	Central Statistics Office
DAE	<u>Department of Applied Economics, University of Cambridge</u>
ERECO	<u>European Economic Research and Advisory Consortium</u>
ESRC	<u>Economic Sciences Research Council</u>
GPM	Growth Project Manuals
GPP	Growth Project Papers
HMT	<u>Her Majesty's Treasury</u>
MDM	Multisectoral Dynamic Model
NEDO	<u>New Energy and Industrial Technology Development Organization</u>
NRDC	National Research and Development Council
OECD	<u>Organisation for Economic Co-operation</u>
ROCKET	Name of the static model computer program
RPP	Rocket Program Papers
SAM	Social Accounting Matrix
SSRC	Social Sciences Research Council (replaced by ESRC in 1985)
SUP	SAM Unit Papers

Introduction

The Cambridge Growth Project ran for 27 years in the Department of Applied Economics, University of Cambridge. Started in 1960 by Dr Alan Brown and Nobel Prize winner Professor Sir Richard Stone, the Growth Project was originally a suggestion by Brown that they organise the Department of Applied Economics' work on social accounting, input-output and consumer behaviour to build a multisectoral model of the British economy (Pesaran & Harcourt, 2000). Economic growth was central to post war government policy and measurement of growth using new econometric techniques such as the Cambridge model were seen as viable and necessary tools to develop. The size of the project was between 5 and ten economists throughout its existence and had a number of international visitors. Funding for the project was initially from a grant by the Ford Foundation (1960-67). At various stages contributions were made from H M Treasury, Nuffield Foundation, Central Statistics Office, NEDO, Department of Industry, Ministry of Technology (no longer in existence) and the Bank of England. Later the Social Science Research Council (SSRC) was the major funding body (1967-85) and its successor Economic Science Research Council (ESRC) made the final grant.

The project developed a large-scale model of the British economy, using analysis of production in the form of input-output tables with that of consumer expenditure in the form of a Social Accounting Matrix, which was devised by Professor Sir Richard Stone. Complex computations in the form of queries were devised to interrogate the data with a view to applying these to questions on policy. The most innovative aspect of the model was its levels of detail, the accounting consistency and the combination of time-series and cross section analyses. The initial model has since been taken on and developed by the commercial embodiment of the Project, Cambridge Econometrics. The company celebrates 25 years of business in 2003 and has diversified into regional and environmental modelling.

The project's aim was "to study quantitatively in as great detail as possible the present structure and future prospects of the British economy, the possibilities of stimulating

its rate of growth and the economic problems to which this would give rise"¹. This was for final demand in ten year's time, factoring in reasonable rates of expansion and improvement to standard of living, it was then a matter of posing the question: What would be required in terms of raw materials and semi-finished products, factories and industrial machinery to achieve this demand? The first part of the model dealt with composition and quantity of output implied by any level of final demand. The second part was to interrogate whether improvement to standard of living could be achieved with the primary resources; labour, capital and foreign currency (Stone, 1965). They had already anticipated the Model's flexibility to be modified to suit any economy. Having a quantitative framework, in the form of such a Model provided a useful forum for government, nationalised industries and the private sector. There was a general increase in involvement by academics in economic policy analysis. Calculations for the model were processed by the computer, EDSAC (Electronic Delay Storage Automatic Calculator), the first full-scale electronic, stored program digital computer. The software programme was called ROCKET, so named as to describe the economy in relation to a three-stage rocket.

The Green Books

In the first five years of the Project, in excess of 200 Growth Project discussion papers (GPP) were produced by the group which were presented at weekly seminars. A complete listing of these makes up the first section of the catalogue. These papers formed the backbone of the project and from these, numerous papers were published in international journals and in various monographs. Another significant product of the early years of the Growth Project was a series of volumes entitled A Programme for Growth, published by Chapman and Hall and totaling 12 volumes by 1972 (CGP/24 & CGP/25). The Green Books, as they became known because of their distinct green colour, were the main publications of the Project's early findings. Professor Stone was the General Editor of the series, his wife Giovanna provided sub-editorial assistance. One of the primary objectives of the series was to produce a set of social accounts for a future year. The first social accounting matrix, SAM, was published in 1962 in Programme for Growth, 2 with 1970 as the chosen future year, ten years from the start of the Project. The results from this study were published in

¹ Stone, J.R.N. (1965) The Cambridge Growth Project, *Cambridge Research*, October, pp. 9-15.

Exploring 1970 (Stone and Brown, 1965, Programme for Growth Volume 6).

From 1970, CGP was jointly funded by HM Treasury, CSO, the SSRC and University of Cambridge. The aim of the project was 'to study quantitatively in as great detail as possible the present structure and future prospects of the British economy and the possibilities of influencing these prospects by means of economic policy'. (Report of activities, CGP/DAE May 1974- CGP/39/4)

A key intellectual breakthrough for the model was by Dr Terry Barker in 1974 with his substitution of static data for dynamic disaggregation of GDP, consumer expenditure and fixed investments meant analysis of production of industries at the classification level, specifically, electricity, agriculture or iron and steel. A useful characteristic of a disaggregated model is that it can readily incorporate alternative assumptions both with inconsistency and in detail. (Report of Activities 1975, p.11-CGP/39/4)

Commercial exploitation

The DAE's model was the biggest of 5 in total funded by SSRC. A paper by K Cunningham from NRDC (CCG2/Grant App 69-77, CGP/40/1.6) gave an overview of the present state of the various models and while none of them were deemed ready for marketing within the next year, the DAE's potential was considered better than the others. It was by far the largest, although its size also gave cause for concern in marketing it as the costs for setting up a commercial service would be correspondingly greater. However it was felt that further development during the current SSRC grant period could lead to attractive commercial prospects. It was a concern of the NRCD/funding bodies that they move to capitalize on the copyright potential. It was also a concern that any movement to restrict future publications or improvements by model builders would be strongly resisted by those involved and that free use of one or more of the models might kill the commercial potential of the more saleable models.

For more detailed histories of the CGP, the history of computing in the DAE and Cambridge Econometrics, see:

Barker, T.S, Dada, W. and A.W.A. Peterson (2003 forthcoming), "Software Development in the Cambridge Growth project 1960-1976: the origins of software for Space-Time Economics", *Journal of Economic and Social Measurement*, 2003.

Barker, T.S., *et al* (2003 *Forthcoming*) The Cambridge Growth Project and the Emergence of Space-Time Economics.

Barker, T.S., *et al* (2003 *Forthcoming*) History of Cambridge Econometrics (title not yet finalised)

Pesaran, M.H. & Harcourt, G.C. (2000) The life and work of John Richard Nicholas Stone 1913-1991, *Economic Journal*, 110, pp. F146-F165.

Stone, J.R.N. (1965) The Cambridge Growth Project, *Cambridge Research*, October, pp. 9-15.

Stone, J.R.N. (1977) The Evolution of the Cambridge Growth Project (CGP/28/16)

Cambridge Growth Project Catalogue

The Catalogue encompasses a collection of 56 archive boxes containing papers, publications, documents, reports and related correspondence for the period of the entire project (1960-87). The collection is incomplete in that Professor Sir Richard Stone's papers, held in Kings' College Archive, contain Growth Project work for the period when he was Director. Access to these papers is through the College Archivist in the first instance.

Each archive box is numbered with the three letter descriptor (CGP) followed by the box number and individual items and files have been numbered and listed. An electronic copy of the catalogue and a database of the members' publications is also part of the collection.

CGP/1/1-79 (1959-1961)

Growth Project Papers Nos. 1-79

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| CGP/1/1 | Stone, J.R.N. (1959) A final demand model of the economy, <i>Growth Project Paper 1</i> . |
| CGP/1/2 | Bain, A.D. (1959) The development of a growth model for a mature economy, <i>Growth Project Paper 2</i> . |
| CGP/1/3 | Brown, J.A.C. (1960) A growth model for a mature economy, <i>Growth Project Paper 3</i> . |
| CGP/1/4 | Bates, J. (1960) Saturation levels, <i>Growth Project Paper 4</i> . |
| CGP/1/5 | Stone, J.R.N. (1959) A model of growth for a mature economy Progress Report - December 1959, <i>Growth Project Paper 5</i> . |
| CGP/1/6 | Stone, J.R.N. (1960) Capital co-efficients or renewal schemes, <i>Growth Project Paper 6</i> . |
| CGP/1/6a | Stone, J.R.N. (1960) Replacements and depreciation, <i>Growth Project Paper 6a</i> . |
| CGP/1/7 | Stone, J.R.N. (1960) Hire-purchase and the demand for durable goods, <i>Growth Project Paper 7</i> . |
| CGP/1/8 | Stone, J.R.N. (1960) Replacement and depreciation in the demand for durable goods, <i>Growth Project Paper 8</i> . |
| CGP/1/9 | Bates, J.M. (1960) Investment work undertaken by building trades, <i>Growth Project Paper 9</i> . |
| CGP/1/10 | Pyatt, F.G. (1960) The allocation of purchases, <i>Growth Project Paper 10</i> . |
| CGP/1/11 | Brown, J.A.C. (1960) Cost of minimum needs diets, <i>Growth Project Paper 11</i> . |

- CGP/1/12 Brown, J.A.C. (1960) Co-variance analysis calculations, *Growth Project Paper 12*.
- CGP/1/13 Brown, J.A.C. (1960) Estimation of the dynamic linear expenditure system, *Growth Project Paper 13*.
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- CGP/1/19 Bacharach, M. (1960) The costs of excess capacity, *Growth Project Paper 19*.
- CGP/1/20 Stone, J.R.N. (1960) Changes in Productivity, *Growth Project Paper 20*.
- CGP/1/21 Stone, J.R.N. (1960) Dynamic Models: Present output and future consumption, *Growth Project Paper 21*.
- CGP/1/22 Bacharach, M. (1960) Notes on assembling the Model, *Growth Project Paper 22*.
- CGP/1/23 Stone, J.R.N. (1960) A flow matrix for industries and commodities, *Growth Project Paper 23*.
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- CGP/1/26 Brown, J.A.C. (1960) The construction of a monthly series of total consumers' expenditure at 1954 prices, *Growth Project Paper 26*.
- CGP/1/27 Bain, A.D. (1960) A Classification of Consumer Demand, *Growth Project Paper 27*.
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- CGP/1/42 Brown, J.A.C. (1960) Rocket, *Growth Project Paper 42*.
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- CGP/1/53 Bates, J.M. (1960) Foreign Trade Data Book for United Kingdom and World, *Growth Project Paper 53*.
- CGP/1/54 Bates, J.M. (1960) A Review of export statistics, *Growth Project Paper 54*.
- CGP/1/55 Pawlowski, Z. (1960) A forecast of British exports in 1970, *Growth Project Paper 55*.
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- CGP/1/57 Brown, J.A.C. (1960) Exports as a component of final demand, *Growth Project Paper 57*.
- CGP/1/58 Brown, J.A.C. (1960) A further thought on labour, *Growth Project Paper 58*.
- CGP/1/59 Vannereau, C. (1960) Output and Capital Formation Data Book, *Growth Project Paper 59*.
- CGP/1/60 Stone, J.R.N. (1961) A Production Function for the British economy, *Growth Project Paper 60*
- CGP/1/61 Pawlowski, Z. (1961) On Non-Stationary Demand Functions, *Growth Project Paper 61*.
- CGP/1/62 Stone, J.R.N. (1961) A Revised Production Function for the British Economy, *Growth Project Paper 62*.
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- CGP/1/69 Brown, J.A.C. (1961) A converter for current expenditure by combined public authorities, *Growth Project Paper 69*.

- CGP/1/70 Brown, J.A.C. (1961) Exogenous component of final demand in 1959, *Growth Project Paper 70*.
- CGP/1/71 Pawlowski, Z. (1961) Simple models of total British exports, *Growth Project Paper 71*.
- CGP/1/72 Pyatt, F.G. (1961) The Disaggregation of Capital, *Growth Project Paper 72*.
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- CGP/2/2 Lecomber, R. (1961) Optimal Allocation of Investment in Rocket, *Growth Project Paper 81*.
- CGP/2/3 Bates, J.M. (1961) Classification of Variables, *Growth Project Paper 82*.
- CGP/2/4 Pawlowski, Z. (1961) Exports of manufacture - Some refined proposals, *Growth Project Paper 83*.
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- CGP/2/48 Stone, J.R.N. (1962) The Postwar Experience Function, *Growth Project Paper* 128.
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- CGP/20/48 Peterson, A.W.A. (1978) Estimates of UK Oil and Natural Gas Production,, *SAM Unit Papers*, 84. (3 pages)
- CGP/20/50 Beath, J. (1978) The 1977 and 1978 Budget Measures, *SAM Unit Papers*, 85. (5 pages)
- CGP/20/51 Vines, D. (1978) The Proper Dependent Variable for a Wage Equation, *SAM Unit Papers*, 86.(3 pages, 5 tables, 2 figures)
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- CGP/20/53 Barker, T.S. (1979) 1979 Estimates of social capital formation 1973-90, *SAM Unit Papers*, 87. (5 pages including 5 tables)
- CGP/20/54 Barker, T.S. (1979) Public Current Expenditure in MDM4, *SAM Unit Papers*, 88. (4 pages including 3 tables)
- CGP/20/55 Barker, T.S. (1979) A 39 Industry Classification for MDMS Based on the 37 Industries of the CSO Production Accounts, *SAM Unit Papers*, 89. (2 pages, 1 table)
- CGP/20/56 Barker, T.S. (1981) A 39 Industry Classification for MDMS Based on the 37 Industries of the CSO Production Accounts, *SAM Unit Papers*, 89. (Revised) (7 pages)
- CGP/20/57 Barker, T.S. (1979) Updated Commodity Accounts for 1974 in 1970 Prices, *SAM Unit Papers*, 90. (17 pages including 6 tables)
- CGP/20/58 Barker, T.S. (1979) Protective Duties and the Temporary Charge on Imports for MDM5 1954-1978, *SAM Unit Papers*, 91. (6 pages including 3 tables)
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- CGP/21/11 Peterson, A.W.A. (1975) Specification of INVEST, *Rocket Program*

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- CGP/21/13 Barker, T.S. & Winters. L.A. (1975) Specification of SUBTA, *Rocket Program Paper, 13. (3 pages)*
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- CGP/21/19 Barker, T.S. (1976) Dynamic Model: Notation of Time, *Rocket Program Paper, 20. (1 page)*
- CGP/21/20 Peterson, A.W.A (1976) The automatic adjustment facility for the MDM, *Rocket Program Paper, 21. (8 pages)*
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- CGP/21/25 Barker, T.S. (1976) Algebraic Equations for the Dynamic Model, *Rocket Program Paper, 26. (15 pages)*
- CGP/21/26 Beath, J. (1976) Calculations of the Insurance Contribution Factors, *Rocket Program Paper, 27. (3 pages)*

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- CGP/21/36 Vines, D.A. (1977) Initial versions of MDM2 with an endogenous average wage *Rocket Program Paper*, 37. (5 pages)
- CGP/21/37 Peterson, A.W.A. (1977) Condensed form results from an MDM run *Rocket Program Paper*, 38. (3 pages)
- CGP/21/38 Peterson, A.W.A. (1977) Optimisation of policy instruments for the MDM by linear programming *Rocket Program Paper*, 39. (7 pages)
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- CGP/21/43 Beath, J. (1978) Revisions to the Insurance Contribution Factors, *Rocket Program Paper*, 44. (1 page)
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- CGP/21/56 Barker, T.S. (1979) The January 1980 Version of the CSO Databank *Rocket Program Paper*, 58a (1 page & 4 pages of computer program printout)
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CGP/21/62 Barker, T.S. (1980) Production Accounts Data 1973-1979, *Rocket Program Paper*, 63a (1 page)

CGP/21/63 Barker, T.S. (1980) Checks and balances in MDM, *Rocket Program Paper*, 64 (5 pages and 2 tables)

CGP/21/64 Barker, T.S. (1980) MDM4 Version 2. A guide to the Cross Section Tables, *Rocket Program Paper*, 65 (11 pages)

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CGP/21/66 van der Ploeg, R (1980) Balancing Social Account Matrices with subjective estimates of reliability, *Rocket Program Paper*, 67 (4 pages)

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- CGP/21/73 Weale, M. (1980) Income Expenditure Accounts 1973-1979, *Rocket Program Paper*, 73a (2 pages)
- CGP/21/74 Weale, M. (1980) The Role of Profit in MDM42, *Rocket Program Paper*, 74 (3 pages)
- CGP/21/75 Buchanan, A. (1980) Index of Production Tables for Industrial Subscription Service Reports, *Rocket Program Paper*, 75 (4 pages)
- CGP/21/76 Lawson, T. (1981) Consumer Spending Behaviour in the UK, *Rocket Program Paper*, 76 (6 pages)
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- CGP/21/78 Weale, M. (1981) The Implementation of the Price Equations, *Rocket Program Paper*, 78 (2 pages)
- CGP/21/79 Weale, M. (1981) Interest payments on Public Sector Debt, *Rocket Program Paper*, 79 (2 pages, 2 charts)
- CGP/21/80 Landesmann, M. (1981) EEC structural data base available for use, *Rocket Program Paper*, 80 (2 pages)
- CGP/21/81 van der Ploeg, R. (1981) Balancing large systems of national accounts, *Rocket Program Paper*, 81 (12 pages)
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- CGP/22/1 (1980) GPM 1 Program Manual Number 1 GEM and its Databank Version 3 of GEM: General Econometric Matrix Program (36 pages, Annex 1 – Common errors in GEM Jobs, Annex 2 Test , printouts and some handwritten notes)
- CGP/22/1a (1987) IDIOM User's Guide Version 5.02, *Growth Project Manual*, 1 (84 pages and CGP/22/1a.1 – Index to IDIOM commands - 1 page)
- CGP/22/2 (1987) MREG: A matrix-oriented regression package. User's Guide Version 2 Release 3, *Growth Project Manual*, 1 (62 pages and CGP/22/2a – Index to MREG commands - 1 page)
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- CGP/22/6 Barker, T.S. (1983) The Cambridge Multisectoral Dynamic Model Version 6 MDM6 Users', Manual, May 1983 Release, *Growth Project Manual*, 5. (45 pages)
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- CGP/22/8 Barker, T.S. (1985) The Cambridge Multisectoral Dynamic Model Version 6 MDM6 Users', Manual, October 1985 Release, *Growth Project Manual*, 5. (64 pages)
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- CGP/22/11 Peterson, A.W.A (1983) The Conversion to PHX2, *Growth Project Manual*, 6a. (14 pages)
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- CGP/23/1 (1963) Commodity and Industry Accounts 1960 and 1970. Tables for Electricity, Gas, Mineral Oil Refining, Coke Ovens and Coal Mining (25 pages)
- CGP/23/2 (1962) ROCKET 66 Projections 1st Data Book for N.E.D.C. (7 tables)
- CGP/23/3 Bate, J.M. (1961) Notes on "Defence" Calculations (8 pages)

including 6 tables and 13 A2 sheets of ROCKET Balance of Payments Tables)

- CGP/23/4 Cambridge Econometrics Conference 19 June 1963: Agenda, List of Attendees, Production Accounts Tables for the Chemical and Engineering Industries for 1960 & 1970, and various related tables presented at the conference for discussion. (9 items)
- CGP/23/5 Bates, J.M. (1961) New Output per Head in "Rocket", *National Balance Sheets Project, Working Paper No. 1* (11 pages)
- CGP/23/6 Bates, J.M. (1961) Working Paper Series, *National Balance Sheets Project, Working Paper No. 2* (6 pages)
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- CGP/23/8 no author (c1962) Notes on some problems in National Balance Sheets, *National Balance Sheets Project, Working Paper No. 5* (29 pages)

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- CGP/23/9 no author (1964) Insurance Company Investments, *National Balance Sheets Project, Working Paper No. 8* (21 pages including 3 tables)
- CGP/23/10 Revell, J.R.S. (1964) Overseas Insurance Companies, *National Balance Sheets Project, Working Paper No. 9* (4 pages including 2 tables)
- CGP/23/11 Revell, J.R.S. (1965) Program for work, *Finance for Growth Papers*, 1. (6 pages)
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- CGP/23/13 Gray, D. (1965) Non-exempt independent non-financial companies, *Finance for Growth Papers*, 3. (9 pages and 4 tables)
- CGP/23/14 O'Herlihy, C.S.J. (1966) The arithmetic of building society reserves, *Finance for Growth Papers*, 4. (7 pages and 7 tables)
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- CGP/23/16 Revell, J.R.S. (1968) Personal sector financial behaviour, *Finance for Growth Papers*, 6. (13 pages)
- CGP/23/17 Cohen, J. (1969) Model-building in the flow-of-funds accounts, *Finance for Growth Papers*, 7. (34 pages including 9 tables)
- CGP/23/18 Deaton, A.S. (1969) Permanent and transient income in a simple savings model, *Finance for Growth Papers*, 8. (14 pages including 5 charts and 2 tables)
- CGP/23/19 Roe, A.R. (1969) A quarterly series of personal sector assets and liabilities, *Finance for Growth Papers*, 8a. (18 pages including 2 tables)
- CGP/23/20 Deaton, A.S. (1969) A possible generalisation for Theil's R^2 statistic, *Finance for Growth Papers*, 9. (3 pages)
- CGP/23/21 Deaton, A.S. (1969) Personal savings income and wealth, *Finance for Growth Papers*, 10. (24 pages)
- CGP/23/22 no author (c1970) Real asset and debt transactions in the U.K. personal sector, *Finance for Growth Papers*, 11. (25 pages including 5 diagrams)
- CGP/23/23 Deaton, A.S. (1970) Saving, spending, durables, depreciation and the definition of wealth, *Finance for Growth Papers*, 12. (7 pages and 4 tables)
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- CGP/25/1 Stone, J.R.N., and K. J. Wigley. The Demand for Fuel 1948-1975: A Submodel for the British Fuel Economy. A Programme for Growth. Ed. J. R. N. Stone. Vol. 8: Chapman & Hall, 1968.
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- CGP/26/1 Bibliographic listing of all papers and publications of members of the project in author order. (47 pages)
- CGP/26/2
a & b Barker, T. S. (1969). "Devaluation and the rise in UK prices." Department of Applied Economics Reprint Series No. 293. Reprinted from Bulletin of the Oxford Institute of Economics and Statistics 30(2): 129-141(1968)
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- CGP/26/8 Barker, T. S. (1976). "Projecting alternative structures of the British economy." Economics Reprint Series No. 6. Reprinted from Advances in input-output analysis. K. Polenske and J. Skolka. Cambridge, Mass, Ballinger Publishing Company: 3-25.
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- CGP/26/10 Barker, T. S. (1977) International trade and economic growth: an alternative to the neoclassical approach Cambridge Journal of Economics 1: 153-172.
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CGP/30/17 Computer printout of GEM.DUTIES' Job No. 453 – 6 Sep 1983

CGP/30/18 Computer printout of GEM.DUTIES2 Job No. 1384 – 6 Sep 1983

CGP/30/19 Computer printout of GEM.DUTIES2 Job No. 1058 – 6 Sep 1983

CGP/30/20 Computer printout of GEM.DUTIES2 Job No. 1089 – 7 Sep 1983

CGP/30/21 Computer printout of GEM.:PD79IO – 4 Sep 1984

CGP/30/22 Computer printout of GEM.:PD79IO – 15 Nov 1984

CGP/30/23 Computer printout of Table-Protective Duties UK (1979 I-O Classification) pounds million – 15 Nov 1984

CGP/30/24 Computer printout of MREG: Table 1 Protective Duties UK (1979 I-O Classification) pounds million – 24 Nov 1984

CGP/30/25 Computer printout of MREG: Table 1 Protective Duties UK (1979 I-O Classification) pounds million Job 8169 – 9 Jul 1987

CGP/30/26 Computer printout of MREG: Table 1 Protective Duties UK (1979 I-O Classification) pounds million Job 8183 – 9 Jul 1987

CGP/30/27 Computer printout of CGP Protective Duties UK (1979 I-O Classification) pounds million Job 9133 – 9 Jul 1987

CGP/30/28 Computer printout of GEM:PD79IO Job 4705 – 27 Oct 1988

CGP/31/1-4 (1968-1971)

Imports: Working Papers

CGP/31/1 Folder containing working papers, tables, calculations and data regarding analysis of UK Imports (1954-75). Includes correspondence and data from HM Treasury, Dept of Trade and Industry, Chamber of Shipping of the United Kingdom and Central Statistics Office.

CGP/31/2 Folder Imports containing tables and calculations regarding Imports: Constant/Current Prices/Adjustments

CGP/31/3 Folder Import Share Limit containing working papers and calculations.

CGP/31/4 Folder Imports Constant Prices SAM containing working papers, tables and calculations (covering 1949-1964)

CGP/32/1-17 (1970-1984)

Imports: Working papers, Computer printouts and MDM notes

CGP/32/1 Folder Forecasting (1957-1972) containing working papers and photocopied notes on Forecasting with MDM

CGP/32/2 Folder Tax Rates containing correspondence with HM Customs and Excise, working papers and tables

CGP/32/3 Folder containing working papers, tables and data on Imports in SAM categories for 1949-64 current values

CGP/32/4 Folder containing correspondence and data from Ministry of Technology, working papers and notes

CGP/32/5 Computer printout of GEM Job No. 426– 13 Apr 1977

CGP/32/6 Computer printout of GEM Job No. 806 – 22 Jul 1977

CGP/32/7 Computer printout of GEM Job No. 99– 23 Jul 1977

CGP/32/8 Computer printout of GEM Job No. 208 – 29 Jul 1977

CGP/32/9 Computer printout of GEM Job No. 389 – 2 Aug 1977