

# WORKING PAPERS IN ECONOMICS

Citation Analysis of Publications  
on the Australian Tariff Debate,  
1946-1991

by

J.B. Towe

No. 188

August 1993

DEPARTMENT OF ECONOMICS



The University of Sydney  
Australia 2006

Citation Analysis of Publications  
on the Australian Tariff Debate,  
1946-1991

by

J.B. Towe

No. 188

August 1993

ABSTRACT

Australia went from a highly protected trade regime in the (late 1960s-early 1970s) to a somewhat lower one in the (early 1990s). At the time of the Victorian Wills by-election in April, 1992, the Australian news media claimed that the tariff debate was already won by 'free-traders' and, that the two major political parties were committed to tariff reducing policies. They would 'ultimately levy' an effective rate from zero to 5%. Who were the economists taking part in the debate and what were their contributions? This paper employs citation analysis as a tool to explore and follow the development of the tariff debate during the post-war period. It distinguishes the main participants in the debate and their contributions.

The author wishes to acknowledge the valuable comments and advice from W.P. Hogan, C.G.F. Simkin and A.D. Woodland.

This paper and its data are under ©copyright protection and should not be reproduced in whole or in part without the written consent of the author.

National Library of Australia Card Number and ISBN 0 86758 785 7

## CONTENTS

	Page
1. Introduction	2
2. Citation Analysis and Indexing of Tariff Literature	5
2.1 Subject Indexing of the Tariff Debate	5
2.2 Relating Authors to the Subjects	5
2.3 History of the Tariff Debate	5
3. Survey of Tariff Debate Publications	7
3.1 The Tariff Structure and More Protectionism	10
3.2 Theory Consolidation and Reassessment	11
3.3 1966 and All of That	12
3.4 1966 and The Effective Protective Rate Model	13
3.5 The New Theory of Protection	14
3.6 Employment Infrastructure and Economic Welfare	15
3.7 Other Publications on the Tariff Debate	16
4. Conclusion	16
References	17
Addendum	37

## The Citation Analysis of Australian Tariff Literature

### 1. Introduction:

There are two recent literature surveys significant to the Australian tariff debate. In the *Journal of Economic Literature*, Stern<sup>1</sup> surveys literature on nominal tariffs and effective protection theories during the 1950s and 1960s. Alternatively, Forsyth<sup>2</sup> assessed Australian literature on "Trade and Industry Policy" for the two decades 1965-1985. Neither Stern in his trade theory survey or Forsyth in his review of the infant industry protection debate, utilised citation analysis. With the use of citation analysis, this paper proposes to identify the main participants in the Australian tariff controversy and their contributions. The paper will also attempt to explore some of the relationships that existed among the older and newer tariff literature.

The debate added nearly 300 publications to economic literature on trade. Beside its influence on modern theory in the post-war period, it also affected a great number of publications in other spheres of economic literature. Notwithstanding, that in 1939, trade theory was considered wrapped up.

The debate was clearly terminated by this magisterial 1939 analysis . . . .  
I had thought that this whole topic was satisfactorily understood by informed scholars and could be honourably deposited on the shelf of closed history.<sup>3</sup>

It was not terminated in post-war Australia. The country with its isolated geographical position and economy, attracted economists who were interested in the tariff sphere of trade theory. Australia possessed those economic characteristics suitable for studying what effects 'import substitution behind a tariff wall' had on the development of a manufacturing base. Other factors adding interest were the desires of Australian politicians to increase the population through immigration and, at the same time, employ migrants in the newly developing manufacturing industry. The protection of this employment infrastructure became the major economic dilemma and political affliction of the tariff debate.

- 
1. R.M. Stern, "Tariffs and Other Measures of Trade Control: A Survey of Recent Development", *Journal of Economic Literature*, Vol. 11, No. 3, September 1973.
  2. P.J. Forsyth, "Trade and Industry Policy", *Australian Economic Review*, 3rd Quarter, No. 71, Spring 1985.
  3. P.A. Samuelson, "Summing Up On the Australian Case for Protection", *Quarterly Journal of Economics*, Vol. 96, No.1, 1981, pages 147 and 151.

There were two central argumentative issues at stake. What would be the economic effects of adding or removing tariffs and what were the immediate effects on that employment infrastructure. It is not the purpose of this paper to evaluate the many argumentative contradictions and cross-purposes of the two issues. However, it can be understood by tariff debate readers that the two issues were going to be handled disparately by economists and politicians. The former were modelling, writing and researching their publications, while the latter's impending survival depended on their policy stance.

Stern and Forsyth approached and manipulated the issues to contrast these diverse contradictions among the protagonists. To the survival concerns of the politicians, Forsyth states that -

The notion of a 'made to measure' tariff reflects the thinking of this period.  
If an industry was considered desirable, a tariff would be found for it.<sup>4</sup>

The tariff stayed and was considered indispensable unless a good reason was found for changing the rate, for example, the restructuring of a particular industry. Then the tariff would be lowered during times of full employment. Forsyth further argued that -

The development of unemployment post 1974 has provided a potent argument for those in favour of continued or increased protection.<sup>5</sup>

Nor were there any probability of tariff reciprocity from trading partners, Stern maintained, against countries exporting industrial products due to the 1972 Kennedy Round of tariff reductions. Australia could continue with its very uneven (tariff generated) playing field as long as they played within the 1972 rules. However,

the principles of non-discrimination and reciprocity embodied in GATT have been compromised on numerous occasions in the postwar period.<sup>6</sup>

There were other ways for industrial countries to discriminate against the tariff (determined) countries supplying them with industrial products. One way was to encourage the lowering of tariffs, to tie tariff reduction to direct investment.<sup>7</sup>

- 
4. & 5. *ibid*, page 73 and 6. *ibid*, page 880.
  7. J.B. Towe, "Aspects of the Japanese Equity Investment in Australia", *University of Sydney Working Papers in Economics*, No. 176, June 1992, page 11.

The loss of some direct investment from Japan was not the only dialogue of the economists. Another influential economic case, supporting the lowering of tariffs, could be made from the reduction in Australian post-war living standards.

But in material standard of living terms Australia is no longer leading the world. From being the wealthiest country at the turn of the last century, and third highest at the end of the World War II, it is now fifteenth or so. The economic policies which sought to distribute agricultural and mineral rents among the bulk of the population from the 1850s succeeded in their objectives at the cost of economic efficiency. Despite the reforms of the last five years, signs of economic weakness still abound. It is not possible to overcome the legacy of one hundred years of protection and regulation in five years. . . . Many manufacturing and service sectors are still highly protected by tariffs, non-tariff barriers, Commonwealth and State regulations, and through the industrial relations system.<sup>8</sup>

The fall in living standards and the lack of overseas investment for restructuring purposes had, through popular voting power, encouraged Australian political parties interested in their welfare, to adopt the economists' lower tariff policies. Nevertheless, the debate is not over yet. Those interest groups or lobbyists, that peddle influence, are still hard at work scurrying after the pickings of uncompetitive markets.

special interest groups make political contributions in order to influence an incumbent government's choice of trade policy. . . . The politicians maximize their own welfare, which depends on the total amount of contributions collected and on the aggregate welfare of voters.<sup>9</sup>

To make a citation analysis survey of the debate, data from the *Social Sciences Citation Index* will be used in Section 3. The method adopted for handling the survey data is discussed in the theoretical framework of Section 2. Section 4 will draw the survey's conclusions.

8. H. Hughes, "Too Little, Too Late: Australia's Future in the Pacific Economy", *Australian Economic Papers*, Vol. 27, No. 51, December 1988, page 187.

9. G.M. Grossman & E. Helpman, "Protection for Sale", *NBER Working Paper Series*, No. 4149, August 1992 and pages 16-18 of *The Economist*, March 27th, 1993, page 1.

## 2. Citation Analysis and Indexing of Tariff Literature:

There are three functional characteristics unique to the indexing of citations for social science publications<sup>10</sup>. Firstly, it is possible to categorize published material by subject to a more concise and specific topic. Inside the theme, the mapping by citation index over a time span, displays knowledgeable relationships that occurs between the older and newer literature. And thirdly, every publication is an account of a distinctive development in the historical debate on tariffs.

### 2.1 Subject Indexing of the Tariff Debate

Any author (see Appendix I) who made a contribution to the Australian tariff debate, whether in Australia or overseas was considered for citation analysis in the post-war (1946-1992) period. The subject for the author citation analysis was the tariff debate in Australia or any relating subject regarding the protection of Australian industry from overseas imports of manufactured products. Other indirectly related articles employing trade protection, regulations, restrictions and/or tariffs (as secondary importance even by overseas authors interested in Australia) were also considered for inclusion. This was the case, specifically, when they cited, or were cited by, Australian tariff publications. Overseas tariff debates that excluded Australia as a major or minor topic, were abandoned even though some of the authors had a major influence on the publications of Australian authors.

### 2.2 Relating Authors to the Subjects

The basic criteria for author and subject selection of publications for this paper was whether or not it made an economic contribution to the Australian tariff debate. Other publications, with only political ramifications concerning tariffs, were also abandoned. Publications accepted included published (journal) articles, books or chapters in books by Australian authors or persons who have been resident in Australia and writing on the Australian tariff debate, with the few exceptions mentioned in (2.1). In contrast, university working papers and (academic) economic conference working papers were not selected for citation analysis. Many of the published journal articles accepted, developed from similar beginnings. Another form of publication that was excluded from the analysis, were the published replies, rejoinders, notes or comments containing less than two pages. The exception were those longer notes or comments (standing by

10. E. Garfield, *Citation Indexing - Its Theory and Application in Science, Technology, and Humanities*, J.Wiley & Sons, New York, 1979, page 41.

themselves due to their economic contribution). Government working papers, frequently sold as monographs in book stores, were included when citations were found for them.

### 2.3 History of the Tariff Debate

Another important characteristic of citation analysis is its distinctive catalogued utilisation of footnote and bibliographical references. It made possible the formation of a historiograph to highlight the changes occurring in the Australian tariff debate and the scheduling of subjects, or 'title word indexing'. Other changes in the development of trade protection or tariff thinking, can be seen in the linkage of the subject to the related topics concerned with trade. Once the selection was made and the end catalogue result obtained, a comprehensive bibliography search was undertaken by topic and by author in the Social Sciences Citation Index<sup>11</sup> (SSCI). Additionally, the bibliographies of major tariff publications were used as a cross-reference check on author and subject matter. The SSCI index made possible a timeframe from 1957 to 1985 inclusive for the historiograph and from 1956 to 1991 for the literature addendum.

During the search, an attempt was made to add the citations where mistakes had occurred. For example, some citations referred to W. M. Corden as either M. W. Corden, M.Corden, W. Corden or Corden. As the publications were precisely named, there was no difficulty in identifying and including them. A precise number of citations can be catalogued on the tariff debate. Nevertheless, it was found that some citations had been invariably left out. For this reason, Table 1 gives a plus or minus margin as an error range.

To create the Historiograph (page 9) of 38 publications, authors with 20 or more citations were first arranged into a smaller group of authors, (see Table 1) and publications. With this selected group, the historiograph evolved its distinctive index of major Australian tariff debate contributions in chronological order.

11. Data for this paper was extracted from the Social Sciences Citation Index<sup>®</sup> with the express permission of the Institute for Scientific Information<sup>®</sup> ©copyright 1992.

### 3. Survey of Tariff Debate Publications:

In the Historiograph (page 9), there are seven major trade and tariff publications, out of a possible thirty-eight, that had four or more referrals from the twenty authors (Table 1, with  $\geq 20$  citations). Six were authored by W. M. Corden and one, on international trade, by M. C. Kemp. The seven introduced changes in both the direction and the composition of the tariff debate during the post-war period. Before 1966, their publications were based upon earlier trade theories. It was in the latter term, after 1966, that newer theories developed. The composition (including all of the above 38 publications), can be parcelled into two epoches with the 1966 division.

The first epoch accommodates the first two publications of Corden and the one by Kemp. They traverse a whole range of economic relationships that tariffs, protection rates and pure trade theory had with those of production, consumption, gains from trade, exchange rates and the terms of trade. In the pivotal year, 1966, Corden's review (published in March) of the Vernon Report was separated by two months from his June article in the *Journal of Political Economy*. This article, "The Structure of a Tariff System and the Effective Rate", was the first 'most cited' of the tariff debate publications. It acquired more than 140 citations.

These two journal articles, break with previous academic theory, in that, the theory accepted (the continuation of) tariffs as essential for additional industrial development. In his "Protection: Review of the Vernon Report" article, Corden critically scrutinises the committee's arguments for a continued tariff protection structure. He finds the committee's arguments were "superficial" and that, they failed to substantiate the present tariff system. In the other 1966 article, Corden further diminished the Vernon report by proposing that there were "Four Concepts of Protection" in the economy. Furthermore, the Australian tariff structure included redundant elements that are best sacrificed.<sup>12</sup>

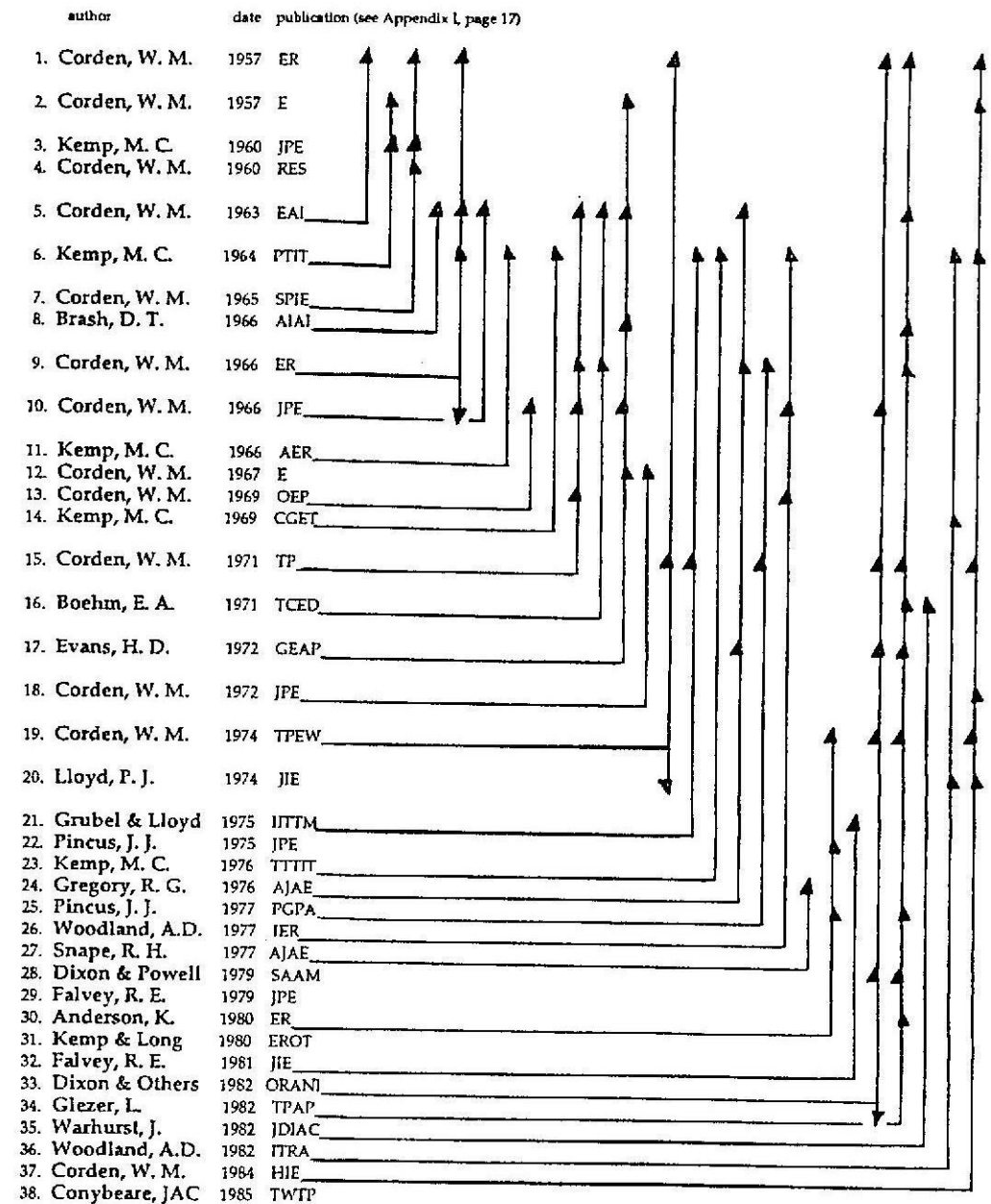
Corden's second article in 1966, laid the foundation for his new theory on protection published in 1971. This publication, with more than 160 citations, and his *Trade Policy and Economic Welfare* (with nearly 300 citations), were to dominate the tariff debate during the 1970s and 1980s decades of the second era. Together, the two books would shift the destination of the debate from more protectionism to less protectionism.

12. op. cit., pages 225 and 236.

**Table 1: Authors of One or More Publications**  
(and with ≥ 20 Citations)

AUTHORS	CITATIONS per Author/Authors RANGE Including (±5) Error
1. Corden, W. M.	935-945
2. Kemp, M. C.	630-640
3. Grubel, H. G. & Lloyd, P. J.	150-160
4. Pincus, J. J.	100-110
5. Woodland, A. D.	85-95
6. Dixon, P. B., Parmenter, Sutton & Vincent	80-90
7. Brash, D. T.	70-80
8. Gregory, R. G.	70-80
9. Lloyd, P. J.	60-70
10. Industries Assistance Commission	50-60
11. Evans, H. D.	50-60
12. Snape, R. H.	45-55
13. Falvey, R. E.	40-50
14. Conybeare, J.A.C.	25-35
15. Boehm, E. A.	≥ 20
16. Kemp, M. C. & Long, N.V.	≥ 20
17. Glezer, L.	≥ 20
18. Dixon, P. B., Parmenter & Powell	≥ 20
19. Anderson, K.	≥ 20
20. Warhurst, J.	≥ 20

**Historiograph: Australian Tariff Debate Publications in Chronological Order**  
(Authors and their publications with ≥ 20 citations)



### 3.1 The Tariff Structure and More Protectionism:

From 1952 to 1963, Carmody followed by Corden, Kemp and the Industry Commission<sup>13</sup> measured, defined and analysed the rate of tariff protection in Australia. They would evaluate, by mathematical models, the reverberation of tariffs on the different spheres in the Australian economy. The authors were influenced by J. B. Brigden's 1929 Australian tariff report<sup>14</sup> that became the "progenitor" for the tariff models.

Manager [1976] cites writers for this view that include Metzler [1949], Reitsa [1958, 1960], Corden [1957], Cain [1973], and the Australian version of Samuelson's *Economics* adapted by Hancock and Wallace.<sup>15</sup>

The concept of continuing protectionism long after the original formation of an 'infant industry', was seriously challenged in a three page article by M. C. Kemp in 1960, [Appendix I, number 156]. Kemp writes that both J. S. Mill and C. F. Bastable were convinced of the need for protection until the new industry could stand on its feet. Although, some firms (within the industry) would be at different stages of starting up, it was never intended for the tariff to last forever. Kemp expands this aspect of the debate further in his 1964 book *The Pure Theory of International Trade*. The book attained more than 390 citations. Nonetheless, the 1960 (three page) article was noteworthy in receiving nearly 30 citations. Beside Corden's assistance with chapters 7, 12 and 16 of the book, Kemp cited Corden's above quoted 1957 *Economic Record* article on calculating the tariff costs in production, consumption and the terms of trade, in both publications.

One sphere of the economy influenced by tariffs, of equal interest to both politicians and economists, was the balance of payment relationship created by the demand for imported goods. A clear approach to the several plausible policy adjustments was made possible with Corden's diagrammed zones for policy options. While the economic content in his *Review of Economic Studies* [36] article was not new, Corden's geometric approach enabled the topic to be easier understood by the political decision makers. The same could be said of his 1956 [32] article engrossed with the "effect of the economic expansion on the terms of trade"<sup>16</sup>. Political and industry leaders became absorbed with policies that helped in switching consumers away from imports and substituted home-industry products as a remedy for resolving the balance of payments problem.

13. Previously the Industries Assistance Commission and before that, the Tariff Board.  
14. J. B. Brigden and Others, *The Australian Tariff; An Economic Inquiry*, Melbourne, 1929.  
15. P. A. Samuelson, *Quarterly Journal of Economics*, 1981, footnote 3, page 150.  
16. op. cit., page 226.

### 3.2 Theory Consolidation and Reassessment:

Between the years 1963 and 1965, there were two publications by Corden [38, 39] and one by Kemp [157] that consolidated previous theory on trade and tariffs by binding trade development with recent theory. This coincided with the declining (political) concern on balance of payments problems and the increasing emphasis in investment. This change in direction was picked up in 1966, with Kemp's publication [158] that updated trade theory with investment and Brash, likewise, contributed with his survey on American investment in Australian industry [15].

Corden's surveys on recent trade theory and the Australian tariff structure, whilst important in the study of economics in Australia, each achieved  $\geq 20$  citations. One was written as a chapter in *The Economics of Australian Industry*, a student compendium, and the other for an article in the *Special Papers in International Economics*. His synopsis for the former identified the characteristics and evolution of the Australian tariff system, while the latter retraced theory from Metzler's survey in 1949 to Johnson's 1962 *Money, Trade and Economic Growth*. But it was in the tariff chapter that Corden surmised the economic dilemma about tariffs. He resolved that the Australian "Faith in the tariff is deeply ingrained."<sup>17</sup> Corden's economic discussion of the controversies surrounding the *infant-industry argument* for tariff protection in the latter article is succinct within trade theory context. It is concise in describing the arguments' worth and shortcomings, and finally, the article is to the point in his perception of what comes next in the tariff debate.

Undoubtedly the next decade will see important theoretical advances in this field, as the theorists pick up the imprecise and paradoxical doctrines and the piecemeal arguments of the critics - arguments which are often based on close observation or sound instincts about the real world - and systematise and relate them to the body of received doctrine.<sup>18</sup>

This was 1965, one year before the Vernon Report. Corden could forecast the future accurately in this instance, he was going to be the main collaborator. Corden and Kemp, concerned with their reassessment of trade theory, were writing adverse to the continuation of tariffs after an 'infant industry' had been established.

17. op. cit., page 174, Australia's average rate of (effective) assistance to manufacturing industries was 36% in 1970, falling to 16% in 1990. The 1970 figure was nearly 3 times higher for finished goods than the world average, including countries in the EEC. See Industries Assistance Commission, *Assistance to Manufacturing Industries*, 1976, and the Reserve Bank of Australia, *Australian Economic Statistics*, 1991.  
18. W.M. Corden, "Recent Developments in the Theory of International Trade", *Special Papers in International Economics*, No.7, 1965, page 65.

### 3.3 1966 and All of That:

By the middle of the 1960s decade, there was developing a significant difference of opinion about whether the tariff structure should continue as it was then, or whether it should be rationalized. Those, who supported the latter, were asserting that the growth of industry from the 'infant industry' stage of development into an adolescence stage, needed less protection. While those of the former opinion, "still favoured protection as a means to achieving a broad industrial base"<sup>19</sup>. The Vernon Report was written by those who thought that tariffs would strengthen employment and external balance, although the writers did think that the cost of protection could be reduced.

The Vernon Report ... was a protectionist document. It was concerned with the cost of protection, and made suggestions about altering protection to reduce this cost.<sup>20</sup>

The Vernon Report was more successful in reflecting government policy than altering it. "Protection imposes costs through resource distortion," and that "these are really costs of attracting (or at least not discouraging) overseas capital inflow"<sup>21</sup>. But regarding that most important issue - to tariff, or not to tariff,

The Committee fail to develop adequately a case for continued protection, other than the difficulty of altering the exchange rate. Yes, the tariff exists. But must it always exist? The Committee do not face this question.<sup>22</sup>

Corden was convinced that the Committee could not encourage free trade without suppressing its influence in the tariff debate. From this position, the Committee could not accept that the Australian economy had advanced to a more mature stage of development. Most importantly, it did not recommend the scaling-down of protection levels. Nor could the Committee with Corden's insight, assumed what Helen Hughes would (twenty years later) conclude in the introduction of this paper, (page 4).

They (the Committee) could have said that if, twenty years from now, Australia is still substantially a protectionist country, its real income will probably be lower than if - circumstances, permitting - it had moved by then to substantially a free trade position.<sup>23</sup>

19. P.J. Forsyth, "Trade and Industry Policy", *Australian Economic Review*, No. 71, Spring 1985, page 73.

20. *ibid.*

21. W.M. Corden, "The Structure of a Tariff System and the Effective Protective Rate", *Journal of Political Economy*, Vol. 74, No. 3, June 1966, page 133.

22. and 23. *ibid.*

### 3.4 1966 and The Effective Protective Rate Model:

In his June article [42], Corden made use of previous work by Barber and Meade (1955), Humphrey (1962), Balassa (1965) and his own (1963) to measure, in a model format, the tariff effects on an economic system trading in many goods. With this tool, it became possible to measure the "resource-allocation effects of a tariff structure".<sup>24</sup> As an important contribution to the tariff debate, the article would be cited by Evans (1972), Woodland (1977), Corden himself (1966, 1969, 1971), and Dixon plus the other authors of the ORANI model in the IMPACT project. All were authors of publications with ≥ 20 citations (see page 9).

From the analysis in the article, Corden developed his *Four Concepts of Protection* for an industry. The concept (of measurement) "should shed light on the direction of resource-allocation effects of a protective structure".<sup>25</sup> Resources or investment in the capital structure could be, more than likely, drawn into those industries protected by tariffs and not into those industries that were efficient suppliers. Important as this perception was to trade theory and to the economic infrastructure of Australia, the concept has been regularly avoided by both economic and media writers.<sup>26</sup>

One of the key ideas in economics is that of linkages. Every part of the economy is linked with every other part. Thus, in thinking about the implications of any economic change, it is important to look beyond the initial effect. Despite this, linkages are often neglected in the formation of economic policy. In Australian policy discussions, for instance, tariff increases are associated with the saving of jobs in manufacturing. The problem is that these discussions often stop at this initial effect. They leave a misleading impression as to the probable final outcome.<sup>27</sup>

The success of the ORANI model in linking the economic infrastructure capital costs of tariffs with inefficient producers was a foregone conclusion. Equilibrium economic models does emphasize linkages, it mixes all the economy's contents in one soup bowl. Protected by tariffs, inefficient producers obtained domestic and overseas capital to produce products that could only be sold in a protected economy, capital sorely needed by the efficient producers.

24. W.M. Corden, *Economic Record*, Vol. 42, No. 98, June 1966, page 222.

25. *ibid.*, page 227.

26. The ORANI project was a notable exception.

27. P.B. Dixon and others, *ORANI: A Multi-Sectoral Model of the Australian Economy*, 1982, pages 324-325.

### 3.5 The New Theory of Protection:

How important was this perception to economists that capital (resources) was being diverted away from efficient producers to the protected, and therefore inefficient producers, in the Australian economy. It became the essential bed-rock for a new theory of protection.

W. M. Corden published in 1971 a book in which he was able to develop a new protection model that broke out of the previously confined 'orthodox two-sector general equilibrium model'<sup>28</sup>, into a model of several commodities. This model, with its input-output associations, could evaluate resource (capital) allocation. By showing the affects tariffs had on the distribution of capital, Corden's new theory shattered the structure supporting the *older theory of effective protection*. *Effective rates, or derived data* obtained through calculations, was the basis of the older models. Yet in the newer model, it was the affect of original data on the 'whole solution' that was called for.

After all, what is the point of calculating these rates and obtaining a 'scale' of them when this will not show in any definite way how resources or factor prices have moved?<sup>29</sup>

Corden's book became the major reference source for the second epoch of tariff literature. Recognised by six authors of the tariff publications (page 9) with  $\geq 20$  citations, it was probably the most important contribution of the tariff debate. Not only referred to by Corden, himself, in *Trade Policy and Economic Welfare* (1974, nearly 300 citations), his chapter in Jones and Kenen's *Handbook of International Economics* also referred to it. Grubel and Lloyd ([113] 1975, 155 citations), J. J. Pincus ([209] 1977, 40 citations) and L. Glezer in his book *Tariff Politics, Australian Policy Making* (1982) all gave Corden his due distinction. From the IMPACT project, Dixon, Parmenter, Sutton and Vincent in the preface of *Orani: A Multisectoral Model of the Australian Economy* (1982, 84 citations) gave Max Corden credit for "valuable general advice"<sup>30</sup>.

The use of effective rate models would no longer be suitable as long as Australia "face(d) steeply sloping foreign supply and demand curves"<sup>31</sup>. That is not to say that these (economic) models can continue to be useful in those countries (having a large market system). They can manipulate terms of trade through their use.

28. W.M. Corden, *The Theory of Protection*, 1971, page 240.

29. op. cit., page 241.

30. op. cit., page viii.

31. W.M. Corden, *The Theory of Protection*, 1971, page 242.

### 3.6 Employment Infrastructure and Economic Welfare:

Corden's new theory on protection conflicted directly with what Australian politicians considered most sacred in the economy, the protection (up front) of jobs, and especially, jobs in manufacturing. The use of tariffs, initially, to protect jobs in manufacturing and *increase personal income was successful*. However, a *real problem arose*, when it could be shown with Corden's new theory, that after the initial employment and income increase, jobs eroded over time from lack of capital. If resources were freely available to select efficient businesses, it would flow into those that increased employee output.

This was not happening. For example, during the period in Australia between the end of the War and 1966 when jobs and income increased, capital flowed into Australia behind the tariff wall to help establish industries. After this early industrial stage, capital productivity would not grow, as fast as it did, in those countries more open to competition. At the same time, other countries which moved towards freer trade, became successful in specializing and capturing specific product segments of the international market. Their businesses would have a higher factor productivity. Between 1960 and 1973, output per employed person and factor productivity in the OECD countries of Europe, nearly doubled that of Australia.<sup>32</sup> The (freer trade) market helped in the selection of efficient producers through its resource allocation. Meanwhile, industries established in Australia behind the tariff wall, produced products for the local market at prices (propped up by) the tariff inflated prices of overseas imports. Thus, local industries would continue, over time, to shed labour while absorbing capital for new plant, protected from the overseas competition of lower priced imports.

In 1974, Corden attempted, yet again, to settle the above bone of contention between politicians and economists, by elucidating that old axiom, 'free trade is best'. In so doing, Corden (in his preface [54]) acknowledged the works of James Meade's *Trade and Welfare* (1955)<sup>33</sup> and Harry Johnson's article "Optimal Trade Intervention in the Presence of Domestic Distortions" (1965)<sup>34</sup> in his new book. The book would be recognized by four authors of the tariff debate publications with  $\geq 20$  citations, including, Corden's chapter "The Normative Theory of International Trade" [57] in 1984. No other 'tariff debate' publication would accumulate the number of citations as *Trade Policy and Economic Welfare*. It was an important tariff debate distinction.

32. Table 48, *OECD Economic Outlook*, Vol. 51, OECD, Paris, June 1992.

33. Volume II of *The Theory of International Economic Policy*, Oxford Uni. Press, London.

34. In Balwin, R. E. et al., *Trade, Growth and the Balance of Payments*, North-Holland, Amsterdam.

### 3.7 Other Publications on the Tariff Debate:

A. D. Woodland published *International Trade and Resource Allocation* in 1982. Although appearing late in the *Historiograph* (No. 36 on page 9), this textbook on trade for graduate students received some 70 citations. An impressive result and in due course, it may obtain a similar distinction in referrals, as Kemp's *The Pure Theory of International Trade*, published in 1964. It is extensive in taking up, not only the many intricate and complex trade problems of the modern world, but also the tariff dilemma discussed in the preceding pages. For example, it explores freer trade and the gains of *Intra-Industry Trade* [113] of Grubel and Lloyd (1975) in chapters 1, 7, 9 and 15. Price distortions [183], structural adjustments [81] and equilibrium theory adaptations [82] of the IMPACT project are covered in chapters 4, 8, 11 and 12. Whilst the production sector in chapter 3 does not separately trace the growth of the mineral sector as did Gregory [109] in 1976, it is adequate for the overall purposes of a trade text. It would also have been worthwhile if the affects of pressure groups on tariff politics [208, 209] could have been identified, in spite of the difficulties perfecting the latter problems as variables. Nonetheless, citation analysis linked the above discourse with both tariff debate epoches (pages 3-4).

### 4.0 Conclusion:

A citation analysis of the Australian tariff debate has enabled this paper to distinguish and link the major publications of those economists that led the dialogue. The two outstanding contributors to the debate were W. M. Corden and M. C. Kemp, who together, received nearly two-thirds of all possible tariff literature citations. It was their pioneering efforts that led to the modelling of tariff effects. Another one-quarter of the citations, *ceteris paribus*, was attained by the next leading seven authors of the debate. Corden and Kemp were frequently referred to by these seven and the debate's twenty major authors in thirty-eight of the leading tariff publications. Was there a common thread linking the tariff debate publications? Corden has the last word.

It has become the conventional wisdom of recent trade theory that in the small country case trade taxes and subsidies are never first-best policies.<sup>35</sup>

In the Australian small country case, 'conventional wisdom' was not utilised. Protected from the international market place and international competition for such a long period, the community displayed firm resistance relative to competition, instead seeking non-competitive egalitarian 'equal outcomes'<sup>36</sup> from the wealth<sup>37</sup> of the nation.

35. W.M. Corden, *The Theory of Protection*, Oxford, 1971, page 241.

36. C. Walsh, *The Economic Record*, Vol. 61, No. 172, March 1985, page 418.

37. "rent-seeking", see D. Hale, *Economic Papers*, Vol. 11, No. 2, June 1992, page 3.

## APPENDIX I

### 1956-1991 PUBLICATIONS ON TARIFFS AND PROTECTIONISM [ citations ≥ 20(\*), 50(\*\*), 100(\*\*\*) ]

Author	Date of Pub.	Total 1956-91 Citations	Title
1. Aislabie, C.J.	1983		"The Australian Tariff as a Selective Employment Policy Instrument: An Empirical Study" <i>Australian Economic Papers</i> , Vol. 22, No. 40
2. Aislabie, C.J.	1985		"Subsidies as an Alternative to the Australian Tariff", <i>Applied Economics</i> , Vol. 17, No. 4, Aug.
3. Aislabie, C.J.	1988		"Economic Incentives and the Pattern of the Australian Tariff", <i>Australian Economic Papers</i> , Vol. 27, No. 50, June
4. Anderson, K.	1980 *		"The Political Market for Government Assistance to Australian Manufacturing Industries", <i>Economic Record</i> , Vol. 56, No. 153
5. Anderson, K. and Garnaut, R.	1986		"The Political Economy of Manufacturing Protection in Australia", chapter in C. Findlay and R. Garnaut, <i>The Political Economy of Manufacturing Protection: Experiences of Asean and Australia</i> , Allen and Unwin, Sydney
6. Anderson, K. & Garnaut, R.	1987		<i>Australian Protectionism: Extent, Causes and Effects</i> , Allen and Unwin, Sydney
7. Anderson, K.	1987		"Tariffs and the Manufacturing Sector", chapter in R. Maddock and I.W. McLean, <i>The Australian Economy in the Long Run</i> , Cambridge University Press, Sydney
8. Ariff, M. and Others	1987		"Economic Relations Between ASEAN & Australia" <i>Economic Record</i> , Vol. 63, No. 180, March
9. Arndt, H. W.	1979		"The <i>Modus Operandi</i> of Protection", <i>Economic Record</i> , Vol. 55, No. 149, June
10. Australian Tariff Council	1968		<i>The Tariff Debate: Selected Papers</i> , Sydney Australian Tariff Co., Sydney, August
11. Bernasek, M.	1960		"Dr. Corden's Uniform Tariff Proposal: A Comment" <i>Economic Record</i> , Vol. 36, No. 74
12. Boehm, E. A.	1971 *		<i>Twentieth Century Economic Development in Australia</i> , Longman Cheshire, Melbourne

Author	Date	Total 1956-91 Citations	Title
13. Brain, P. J. and Gray, B. S.	1978		"The 'Gregory Thesis', Protection Policy and Factors Affecting the Size of the Australian Manufacturing Sector, 1990", chapter in W. Kasper and T.G. Parry, <i>Growth, Trade and Structural Change in an Open Australian Economy</i> University of New South Wales, Kensington
14. Brain, P. J.	1986		<i>Microeconomic Structure of the Australian Economy</i> , Longman Cheshire, Melbourne
15. Brash, D. T.	1966	**	<i>American Investment in Australian Industry</i> Australian National University Press, Canberra
16. Bureau of Industry Economics	1983		"Structural Adjustment in the Australian Whitegoods Industry", <i>Research Report No. 12</i> Australian Government Pub. Service, Canberra
17. Cameron, B.	1971		"Measuring the Effects of the Tariff" <i>Economic Record</i> , Vol. 47, No. 117, March
18. Carmody, A. T.	1952		"The Level of the Australian Tariff: A Study of Method", <i>Yorkshire Bulletin of Economic and Social Research</i> , Vol. 4, January
19. Cassing, J. H. & Warr, P. B.	1985		"The Distributional Impact of a Resource Boom" <i>Journal of International Economics</i> , V.18, No. 3/4, May
20. Cassing, J. H.	1986		"A Note on the Welfare Cost of a Tariff" <i>Eastern Economic Journal</i> , Vol. 12, No. 2
21. Castles, F. G.	1988		<i>Australian Public Policy and Economic Vulnerability</i> , Allen & Unwin, Sydney
22. Caves, R. E.	1984		"Scale Openness and Productivity in Australian Manufacturing Industry", chapter in R. E. Caves and L.B. Krause, <i>The Australian Economy: A View From the North</i> , Brookings Institution, Washington
23. Choi, K. H. & Cummings, T.	1986		"Who Pays for Protection in Australia" <i>Economic Record</i> , Vol. 62, No. 179, December
24. Conlon, R. M.	1981		"The Structure of the Australian Tariff and the Protection of the Textiles and Clothing Industries" <i>Australian Economic Papers</i> , Vol. 20, No. 36, June
25. Conlon, R. M.	1981		"Transport Cost and Tariff Protection of Australian & Canadian Manufacturing: A Comparative Study" <i>Canadian Journal of Economics</i> , Vol. 14, No. 4

Author	Date	Total 1956-91 Citations	Title
26. Conlon, R. M.	1982		"Transport Cost and Tariff Protection of Australian Manufacturing", <i>Economic Record</i> , Vol. 58, No. 160
27. Conybeare, J.A.C.	1978		"Public Policy and the Australian Tariff Structure" <i>Australian Journal of Management</i> , Vol. 3
28. Conybeare, J.A.C.	1983		"Tariff Protection in Developed and Developing Countries: A Cross-Sectional and Longitudinal Analysis", <i>International Organization</i> , Vol.37
29. Conybeare, J.A.C.	1984		"Politicians and Protection: Tariffs and Elections in Australia", <i>Public Choice</i> , Vol. 43, No. 2
30. Conybeare, J.A.C.	1985 1987	*	<i>Trade Wars: The Theory and Practice of International Trade</i> , Columbia Uni., New York
31. Cook, L. H. and Porter, M. G.	1984		<i>The Minerals Sector and the Australian Economy</i> Allen and Unwin, Sydney
32. Corden, W. M.	1956	*	"Economic Expansion and International Trade: A Geometric Approach", <i>Oxford Economic Papers</i> , Vol. 8, No. 2, June
33. Corden, W. M.	1957	**	"The Calculation of the Costs of Protection" <i>Economic Record</i> , Vol. 33, No. 63, April
34. Corden, W. M.	1957	*	"Tariffs, Subsidies, and the Terms of Trade" <i>Economica</i> , (NS), Vol. 24, No. 95, August
35. Corden, W. M.	1958		"Import Restrictions and Tariffs: A New Look at Australian Policy", <i>Economic Record</i> , Vol.34, No.69
36. Corden, W. M.	1960	*	"The Geometric Representation of Policies to Attain Internal and External Balance", <i>Review of Economic Studies</i> , Vol. 28, No. 75, October
37. Corden, W. M.	1962		"The Logic of Australian Tariff Policy" <i>Economic Papers</i> , No. 15
38. Corden, W. M.	1963 1965	*	"The Tariff", chapter in A. Hunter <i>The Economics of Australian Industry</i> Melbourne University Press, Carlton
39. Corden, W. M.	1965	*	"Recent Developments in the Theory of International Trade", <i>Special Papers in International Economics</i> , No. 7, March Princeton University Press, Princeton

Author	Date	Total 1956-91 Citations	Title
40. Corden, W. M.	1966	*	"Protection: Review of the Vernon Report" <i>Economic Record</i> , Vol. 42, No. 97, March
41. Corden, W. M.	1966	***	"The Structure of a Tariff System and the Effective Protective Rate", <i>Journal of Political Economy</i> , Vol. 74, No. 3, June
42. Corden, W. M.	1966		"The Effective Protective Rate, the Uniform Tariff Equivalent and the Average Tariff" <i>Economic Record</i> , Vol. 42, No. 98, June
43. Corden, W. M.	1967	*	"Monopoly, Tariffs and Subsidies" <i>Economica</i> , Vol.34, No. 133, February
44. Corden, W. M.	1967		"Protection and Foreign Investment" <i>Economic Record</i> , Vol. 43, No. 102, June
45. Corden, W. M.	1967		"Australian Tariff Policy", <i>Australian Economic Papers</i> , Vol. 6, No. 9, December
46. Corden, W. M.	1968		<i>Australian Economic Policy Discussion: A Survey</i> Melbourne University Press, Melbourne
47. Corden, W. M.	1969	*	"Effective Protective Rates in the General Equilibrium Model: A Geometric Note" <i>Oxford Economic Papers</i> , Vol. 21, No. 2, July
48. Corden, W. M.	1970		"The Efficiency Effects of Trade and Protection" chapter in L.A. McDougall and R.H. Snape, <i>Studies in International Economics</i> , North-Holland Publication, Amsterdam
49. Corden, W. M.	1971		"The Substitution Problem in the Theory of Effective Protection", <i>Journal of Industrial Economics</i> , Vol. 19, No. 2, February
50. Corden, W. M.	1971	***	<i>The Theory of Protection</i> Clarendon Press, Oxford
51. Corden, W. M.	1972		"Protection and Growth", chapter in L.I. DiMarco <i>International Economics and Development: Essays in Honor of Raoul Prebisch</i> Academic Press, New York

Author	Date	Total 1956-91 Citations	Title
52. Corden, W. M.	1972	*	"Economies of Scale and Customs Union Theory" <i>Journal of Political Economy</i> , Vol. 80, No.3 May/June
53. Corden, W. M.	1972		"Import Restrictions and Tariffs: A New Look at Australian Policy", chapter in H. W. Arndt <i>Australian Economy: A First Volume of Readings</i> Cheshire, Melbourne
54. Corden, W. M.	1974	***	<i>Trade Policy and Economic Welfare</i> Oxford University Press, London
55. Corden, W. M.	1975		"The Costs and Consequences of Protection: A Survey of Empirical Work", chapter in P.B. Kenen <i>International Trade and Finance: Frontiers for Research</i> , University Press, Cambridge
56. Corden, W. M.	1976		"Customs Union Theory and the Nonuniformity of Tariffs", <i>Journal of International Economics</i> Vol. 6, No. 1/2
57. Corden, W. M.	1984	*	"The Normative Theory of International Trade" chapter in R.W. Jones and P.B. Kenen, <i>Handbook of International Economics, Volume I</i> North-Holland, Amsterdam
58. Corden, W. M.	1984		"The Revival of Protectionism", <i>Group of Thirty Occasional Paper</i> No. 14, Washington
59. Corden, W. M.	1985		<i>Protection, Growth and Trade: Essays in International Economics</i> , Blackwell, Oxford
60. Corden, W. M. & Falvey, R.E.	1985		"Quotas and the Second Best" <i>Economic Letters</i> , Vol. 18
61. Corden, W. M.	1985		"Tell Us Where the New Jobs Will Come From" <i>World Economy</i> , Vol. 8, No. 2
62. Corden, W. M.	1987		"Effective Protection", an article in J. Eatwell and Others, <i>The New Palgrave: A Dictionary of Economics</i> , Vol. 2
63. Corden, W. M.	1987		<i>Protectionism and Competition in International Trade: Essays</i> , Blackwell, Oxfordshire
64. Corden, W. M.	1987		"Protection and Liberalization: A Review of Analytical Issues", United Nations International Monetary Fund, <i>IMF Occasional Paper</i> , No. 54

Author	Date	Total 1956-91 Citations	Title
65. Crawford, J. G.	1968		<i>Australian Trade Policy 1942/1966</i> Australian National University Press, Canberra
66. Crawford, J. G.	1973		<i>Commission to Advise on Assistance to Industries</i> Prime Minister's Department, Australian Government Publishing Service (AGPS), Canberra
67. Crawford, J.G. and Okita,S.	1976		<i>Australia, Japan and Western Pacific Economic Relations</i> , AGPS, Canberra
68. Crawford, J.G. and Okita,S.	1978		<i>Raw Materials and Pacific Economic Integration</i> Croom Helm, London
69. Crawford, J. G.	1979		<i>Study Group on Structural Adjustment</i> , Australian Government Report, AGPS, Canberra, March
70. Cronin, M. R.	1984		"Protection and Employment in the Motor Car Sector", <i>Australian Economic Papers</i> , Vol.23, No.42
71. Cronin, M. R.	1988		<i>Overview of Microeconomic Constraints on Economic Growth</i> , Economic Planning Advisory Council (EPAC), AGPS, Canberra
72. Cronin, M. R.	1989		<i>Promoting Competition in Australia</i> , (EPAC), AGPS, Canberra
73. Crowley, P.T. and Others	1983		"Import Quotas, Resource Development and Intersectoral Adjustment", <i>Australian Economic Papers</i> , Vol. 22, No. 41, December
74. Cummins, A.	1989		"Opportunity or Fortress: Implications for Australia", chapter in G. Cook, <i>Australia and 1992, the Nature and Implications of a Single European Market</i> , AGPS, Canberra
75. Davidson,F.G.	1972		<i>The Industrialization of Australia</i> , Melbourne University Press, Melbourne
76. Davidson,F.G.	1977		"Brigden, Vernon, Rattigan, Jackson", chapter in J.P. Nieuwenhuysen and P.J. Drake <i>Australian Economic Policy</i> Melbourne University Press, Carlton
77. Diewert, W.E. and Others	1989		"Productivity and Pareto Improving Changes in Taxes and Tariffs", <i>Review of Economic Studies</i> , Vol. 56, No. 186, April

Author	Date	Total 1956-91 Citations	Title
78. Dixon, P.B. & Butlin,M.W.	1977		"Notes on the Evans Model of Protection" <i>Economic Record</i> , Vol. 53, Nos. 142 & 143
79. Dixon, P. B.	1978		"Economies of Scale, Commodity Disaggregation and the Costs of Protection" <i>Australian Economic Papers</i> , Vol. 17, No. 30, June
80. Dixon, P. B. and Others	1978		"Some Causes of Structural Maladjustment in the Australian Economy", <i>Economic Papers</i> , No. 57, Jan. (Others were B. R. Parmenter and J. Sutton)
81. Dixon, P. B. & Powell, A.A.	1979	*	<i>Structural Adaptation in an Ailing Macroeconomy: Report to The Study Group on Structural Adjustment</i> (With a contribution by B. R. Parmenter) University Press, Melbourne
82. Dixon, P. B. and Others	1982	**	<i>ORANI: A Multi-Sectoral Model of the Australian Economy</i> , North-Holland, Amsterdam (Others - B. R. Parmenter, J. Sutton, & D. P. Vincent)
83. Dixon, P.B. and Others	1984		"Trade Liberalization & Labor Market Disruption" <i>Journal of Policy Modeling</i> , Vol. 6, No. 4 (Others were B. R. Parmenter and A. A. Powell)
84. Dixon, P. B. & Johnson, D.	1986		"Competitiveness Indices and Trade Performance" <i>Australian Bulletin of Labour</i> , Vol. 12, No. 3
85. Drake, P.J. & Nieuwenhuysen J. P.	1988		<i>Economic Growth of Australia</i> , Oxford University Press, Melbourne
86. Edwards, G.W.	1977		"Protection Strategies for Australia", <i>Australian Journal of Agricultural Economics</i> , Vol. 21, No. 3
87. Elkan, P. G.	1972		"Protection and Productivity in Manufacturing: A Closer Look", <i>Economic Record</i> , Vol. 48, No. 122
88. Evans, H. D.	1970		"A Programming Model of Trade and Protection" chapter in I. A. McDougall and R. H. Snape <i>Studies in International Economics: Monash Conference</i> , North-Holland, Amsterdam
89. Evans, H. D.	1971		"The Empirical Specification of a General Equilibrium Model of Protection in Australia" chapter in H. E. Grubel and H. G. Johnson <i>Effective Tariff Protection</i> , GATT, Geneva

Author	Date	Total 1956-91 Citations	Title
90. Evans, H. D.	1971		"Income Distribution, Welfare, and the Australian Tariff", <i>Australian Economic Papers</i> , Vol. 10, No. 17, December
91. Evans, H. D.	1971		"Effects of Protection in a General Equilibrium Framework", <i>Review of Economics and Statistics</i> , Vol. 53, No. 2, May
92. Evans, H. D.	1972	*	<i>A General Equilibrium Analysis of Protection: The Effects of Protection in Australia</i> North-Holland, Amsterdam
93. Falvey, R. E.	1977		"Protection and Substitution: A Geometric Treatment", <i>Oxford Economic Papers</i> , Vol. 29, No. 2
94. Falvey, R. E.	1979	*	"The Composition of Trade within Import-Restricted Product Categories", <i>Journal of Political Economy</i> , Vol. 87, No. 5, October
95. Falvey, R. E.	1981	*	"Commercial Policy & Intra-Industry Trade", <i>Journal of International Economics</i> , Vol. 11, No. 3/4, Nov.
96. Falvey, R. E.	1983		"Protection and Import-Competing Product Selection in a Multi-Product Industry" <i>International Economic Review</i> , Vol. 24, No. 3
97. Falvey, R.E. & Kierzkowski, H.	1987		"Product Quality, Intra-Industry Trade and Imperfect Competition", chapter in H. Kierzkowski <i>Protection and Competition in International Trade: Essays</i> , Blackwell, Oxford
98. Falvey, R. E.	1988		"Tariffs, Quotas and Piecemeal Policy Reform" <i>Journal of International Economics</i> , Vol. 25, No. 1/2
99. Filmer, R. J.	1987		"Does Australia Have Any Say in Its Destiny?" <i>Economic Papers</i> , Vol. 6, No. 3, September
100. Findlay, C. C. and Garnaut, R.	1986		<i>Political Economy of Manufacturing Protection Policy in ASEAN &amp; Australia</i> , Allen and Unwin, Sydney
101. Fitzgibbon, C.H.	1986		"Rethinking Australia's International Competitiveness", <i>Australian Bulletin of Labour</i> , Vol. 12, No. 4

Author	Date	Total 1956-91 Citations	Title
102. Forsyth, P. J.	1985		"Trade and Industry Policy", <i>Australian Economic Review</i> , 3rd Quarter, No. 71, Spring
103. Garnaut, R.G.	1989		<i>Australia and the Northeast Asian Ascendancy: Report to the PM and Minister for Foreign Affairs and Trade</i> , AGPS, Canberra
104. Ghosh, D.K.	1979		"Optimum Tariffs in a Multi-Commodity Framework", <i>Southern Economic Journal</i> , Vol. 46, No.2
105. Ghosh, D.K.	1980		"The Non-Traded Sector, Tariff Distortion and Immiserizing Growth", <i>Economic Record</i> , V.56, No.154
106. Gibbs, I. and Kononov, V.	1984		"Volume Quotas with Heterogeneous Product Categories", <i>Economic Record</i> Vol. 60, No. 170, September
107. Glezer, L.	1982	*	<i>Tariff Politics, Australian Policy Making 1960-80</i> , Melbourne University Press, Carlton
108. Gregory, R.G. & Martin, L.D.	1976		"An Analysis of Relationships between Import Flows to Australia and Recent Exchange Rate and Tariff Changes", <i>Economic Record</i> , Vol. 52, No. 137
109. Gregory, R.G.	1976	**	"Some Implications of the Growth of the Mineral Sector", <i>Australian Journal of Agricultural Economics</i> , Vol. 20, No. 2, August
110. Gregory, R.G.	1978		"Determination of Relative Prices in the Manufacturing Sector of a Small Open Economy: The Australian Experience", chapter in W. Kasper and T.G. Parry, <i>Growth, Trade and Structural Change in an Open Economy</i> , University of New South Wales, Sydney
111. Gregory, R. G. & Pincus, J.J.	1982		"Industry Assistance", chapter in L. R. Webb and R. H. Allan, <i>Industrial Economies: Australian Studies</i> , Allen and Unwin, Sydney
112. Grubel, H.G. & Lloyd, P.J.	1971		"Factor Substitution and Effective Tariff Rates" <i>Review of Economic Studies</i> , Vol.38, No. 1, Jan.
113. Grubel, H.G. & Lloyd, P.J.	1975	***	<i>Intra-Industry Trade: The Theory and Measurement of International Trade in Differentiated Products</i> MacMillan, London
114. Gruen, F. H. & Evans, H.D.	1971		"Tariff Policies and the Tariff Board" <i>Australian Economic Review</i> , No. 14

Author	Date	Total 1956-91 Citations	Title
115. Gruen, F. H.	1975		"The 25% Tariff Cut; Was It a Mistake?" <i>Australian Quarterly</i> , Vol. 47, No. 2
116. Gruen, F. H.	1978 1983		<i>Surveys in Australian Economics</i> , Vol. 1 George Allen and Unwin, Sydney
117. Gruen, F. H.	1986		<i>Review of the Customs Tariff (Anti-Dumping) Act 1975</i> , AGPS, Canberra
118. Gruen, F. H.	1986		"How Bad is Australia's Economic Performance and Why?", <i>Economic Record</i> , Vol. 60, No. 177
119. Gruen, F. H.	1989		"Some Concluding Thoughts", chapter in B. J. Chapman, <i>Australian Economic Growth: Essays in Honour of Fred H. Gruen</i> , MacMillan, Melbourne
120. Hamilton, A.	1985		<i>Case Against Free Trade: and an Alternative General Trade</i> , Crystal Publishing, St. Kilda
121. Harris, S.F.	1975		"Tariff Compensation: Sufficient Justification for Assistance to Australian Agriculture", <i>Australian Journal of Agricultural Economics</i> , Vol. 19, No. 3, Dec.
122. Harris, S.F.	1979		"The Case Against Tariff Compensation: A Comment", <i>Australian Journal of Agricultural Economics</i> , Vol. 23, No. 2
123. Hemming, MFW & Corden, W.M.	1958		"Import Restriction as an Instrument of Balance-of- Payments Policy", <i>Economic Journal</i> , Vol. 58, (27), Sept.
124. Higgs, P.J. & Others	1984		"The Scope for Tariff Reform Created by a Resources Boom: Simulations with the ORANI Model", <i>Australian Economic Papers</i> , Vol. 23, No. 42, June
125. Higgs, P. J.	1989		"The Taxation of Australian Agriculture through Assistance to Australian Manufacturing", chapter in A. Stoeckel, D. Vincent and S. Cuthbertson <i>Macroeconomic Consequences of Farm Support Policies</i> , Duke University Press, Durham
126. Hogan, W. P.	1967		"British Investment in Australian Manufacturing: The Technical Connections", <i>The Manchester School</i> , Vol. XXXV, No. 2, May
127. Hogan, W. P.	1969		"Economic Effects of the Australian Protection System", <i>Economic Record</i> , Vol. 45, No. 112, Dec.
128. Hogan, W. P.	1978		"Free Trade in Manufactured Products for Australia", chapter in W. Kasper and T.G. Parry <i>Growth, Trade, and Structural Change in an Open Australian Economy</i> , University of NSW, Kensington

Author	Date	Total 1956-91 Citations	Title
129. Hogan, W. P.	1979		"Devising Structural Adjustment Policies", <i>Malayan Economic Review</i> , Vol. 24, No. 1
130. Hogan, W. P.	1985		<i>Enterprise: Free, Dependent or Captor?</i> Centre for Independent Studies, St. Leonards
131. Horridge, M.	1988		"Tariffs in Australia: Theory, History and Effects" <i>Australian Economic Review</i> , No. 82, Winter
132. Hughes, H.	1985		"Australia and the World Environment - The Dynamics of International Competition and Wealth Creation", chapter in J.A. Scutt <i>Poor Nation of the Pacific? Australia's Future</i> Allen and Unwin, Sydney
133. Hughes, H.	1988		"Too Little, Too Late: Australia's Future in the Pacific Economy", <i>Australian Economic Papers</i> , Vol. 27, No. 51, December
134. Hunter, A.	1963		<i>The Economics of Australian Industry</i> Melbourne University Press, Carlton
135. Industries Assistance Commission	1968 thru 1983	*	<i>Annual Report(s)</i> , AGPS, Sydney and Canberra
136. Industries Assistance Commission	1976 1985		<i>Assistance to Manufacturing Industries</i> Australian Government Publishing Service Canberra
137. Industries Assistance Commission	1976		<i>The Impact Project</i> AGPS, Canberra
138. Industries Assistance Commission	1977		<i>Some Issues in Structural Adjustment</i> AGPS, Canberra
139. Industries Assistance Commission	1977		<i>Structural Change and Economic Interdependence</i> AGPS, Canberra
140. Industries Assistance Commission	1977		<i>Structural Change in Australia</i> AGPS, Canberra
141. Industries Assistance Commission	1980		<i>Passenger Motor Vehicles: Import Restrictions and Quota Allocation</i> , AGPS, Canberra

Author	Date	Total 1956-91 Citations	Title
142. Industries Assistance Commission	1980		<i>Tariffs as Taxes: An Analysis of Some Effects and Quotas on Consumers and Consuming Industries</i> , Approaches to General Reductions in Protection Information Paper No. 2 AGPS, Canberra
143. Industries Assistance Commission	1980		<i>Trends in the Structure of Assistance to Manufacturing</i> , AGPS, Canberra
144. Industries Assistance Commission	1981		<i>Short Term Assistance During General Reductions in Protection</i> , Approach to General Reductions in Tariffs, Paper No. 2, AGPS, Canberra
145. Industries Assistance Commission	1981		<i>Trends in Australia's Trade in Manufactures</i> , AGPS, Canberra
146. Industries Assistance Commission	1982		<i>Approaches to General Reductions in Protection: Report No. 301</i> , AGPS, Canberra, May
147. Industry Commission	1991		<i>Changes to Manufacturing Industry Assistance</i> AGPS, Canberra, March
148. Jackson, G.R. and Others	1976		(Report of the) <i>Committee to Advise on Policies for Manufacturing Policies for Development of Manufacturing Industry</i> , government green paper in 4 volumes, AGPS, Canberra
149. James, D. E.	1971		"Measuring the Production Cost of Protection" <i>Australian Economic Papers</i> , Vol. 10, No. 17, Dec.
150. Joson, S. S.	1986		"Substitutability of 'Buy Local' Policy for Tariff Protection in Small Economies", <i>Journal of Policy Modeling</i> , Vol. 8, No. 2
151. Kasper, W. and Others	1980		<i>Australia at the Crossroads: Our Choices to the Year 2000</i> , Harcourt, Brace & Jovanovich Sydney. Others include R. Blandy, J. Freebairn D. Hocking and R. O'Neill
152. Kasper, W.	1983		<i>The Case for and Against the Tariff as of 1983</i> Department of Parliament Legislative Research Service, Discussion Paper No. 2, Canberra
153. Kasper, W.	1986		"Structural Change for Economic Growth" <i>Economic Affairs</i> , June-July

Author	Date	Total 1956-91 Citations	Title
154. Kelly, C. R.	1978		<i>One More Nail</i> , Brolga Books, Adelaide
155. Kemp, M. C.	1956		"Tariff, Income and Distribution", <i>Quarterly Journal of Economics</i> , Vol. 70, No. 1, February
156. Kemp, M. C.	1960	*	"The Mill-Bastable Infant-Industry Dogma" <i>Journal of Political Economy</i> , Vol. 68, No. 1, Feb.
157. Kemp, M. C.	1964 1969	***	<i>The Pure Theory of International Trade (and Investment)</i> , Prentice-Hall, Englewood Cliffs
158. Kemp, M. C.	1966	***	"The Gain from International Trade & Investment: A Neo-Heckscher-Ohlin Approach" <i>American Economic Review</i> , Vol. 56, No. 4, Sept.
159. Kemp, M. C.	1967		"Notes on the Theory of Optimal Tariffs" <i>Economic Record</i> , Vol. 43, No. 103, September
160. Kemp, M. C.	1969	*	<i>A Contribution to the General Equilibrium Theory of Preferential Trading</i> , North-Holland, Amsterdam
161. Kemp, M. C. & Nagishi, T.	1969		"Domestic Distortions, Tariffs, and the Theory of Optimum Subsidy", <i>Journal of Political Economy</i> , Vol. 77, No. 6, November/December
162. Kemp, M. C. & Wan, H.Y.	1972		"The Gains from Free Trade", <i>International Economic Review</i> , Vol. 13, No. 3, October
163. Kemp, M. C. & Wan, H.Y.	1976		"An Elementary Proposition Concerning the Formation of Customs Unions", <i>Journal of International Economics</i> , Vol. 6
164. Kemp, M. C.	1976	**	<i>Three Topics in the Theory of International Trade-Distribution, Welfare, and Uncertainty</i> , Vol. 2 in the series <i>Studies in International Economics</i> J. N. Bhagwati and J. S. Chipman, (editors) North-Holland, Amsterdam
165. Kemp, M.C. & Long, N.V.	1980	*	<i>Exhaustible Resources, Optimality, and Trade</i> North-Holland, Amsterdam
166. Kemp, M.C. & Long, N.V.	1982		"Conditions for the Survival of a Small Resource-Importing Economy", <i>Journal of International Economics</i> , Vol. 13, No. 1/2
167. Kemp, M. C. & Wan, H.Y.	1986		"Gains from Trade with and without Lump-Sum Compensation", <i>Journal of International Economics</i> , Vol. 21

Author	Date	Total 1956-91 Citations	Title
168. Kemp, M. C.	1991		<i>Labour Unions and the Theory of International Trade, North-Holland, Amsterdam</i>
169. Kingma, O. T. & Volker, P.A.	1980		"Structural Adjustment in the Manufacturing Sector: A Review of the Crawford Paper" <i>Australian Journal of Management</i> , Vol. 5, No. 1&2
170. Kojima, K.	1966		"Australian Tariff Protection and the Industrial Structure", <i>Australian Quarterly</i> , Vol.38, No. 4, Dec.
171. Kojima, K.	1980		"Australia's Trade with Asia: Some Policy Issues" <i>Hitotsubashi Journal of Economics</i> , Vol. 21, No. 1
172. Kolsen, H.M.	1983		"Effective Rates of Protection and Hidden Sectoral Transfers by Public Authorities", <i>Australian Journal of Agricultural Economics</i> , Vol.27, No.2
173. Krause, L.B.	1984		"Australia's Comparative Advantage in International Trade", chapter in R.E. Caves and L.B. Krause, <i>The Australian Economy: A View from the North</i> , Brookings Institute, Washington
174. Krause, L.B. & Kihwan, K.	1991		<i>Liberalization in the Process of Economic Development</i> , University of California, Berkeley
175. Krueger, A.O.	1991		"Pacific Growth and Macroeconomic Performance: Models and Issues", chapter in M. Ariff <i>The Pacific Economy: Growth and External Stability</i> , Allen and Unwin, North Sydney
176. Kumar, S. and Ironmonger, P.	1970		"An Econometric Investigation of Australia's Imports", <i>Australian Economic Review</i> , 4th Qtr.
177. Lim, D.	1985		<i>ASEAN - Australia Trade in Manufactures</i> Longman Cheshire, Melbourne
178. Lloyd, P. J.	1970		"Effective Protection: A Different View" <i>Economic Record</i> , Vol. 46, No. 115, September
179. Lloyd, P. J.	1970		"Alternative Models to Analyse the Effects of the Australian Tariff Preference Scheme", chapter in I.A. McDougall and R.H. Snape (eds.), <i>Studies in International Economics</i> , North-Holland, Amsterdam
180. Lloyd, P. J.	1971		"The Value of Tariff Preferences for the Developing Countries: Australian Experience" <i>Economic Record</i> , Vol. 47, No. 117, March

Author	Date	Total 1956-91 Citations	Title
181. Lloyd, P. J.	1973		"Optimal Intervention in a Distortion-Ridden Open Economy", <i>Economic Record</i> , Vol. 49, No. 127, Sept.
182. Lloyd, P. J.	1973		<i>Non-Tariff Distortions of Australian Trade</i> Australian University Press, Canberra
183. Lloyd, P. J.	1974 *		"A More General Theory of Price Distortions in Open Economics", <i>Journal of International Economics</i> , Vol. 4, No. 3/4
184. Lloyd, P. J.	1975		"Tariff Compensation: An Undesirable Policy" <i>Australian Journal of Agricultural Economics</i> , Vol. 19, No. 3, December
185. Lloyd, P. J.	1978 1983		"Protection Policy", chapter in F. H. Gruen <i>Surveys of Australian Economics</i> George Allen and Unwin, Sydney
186. Lloyd, P. J.	1979		"Intra-Industry Trade, Lowering Trade Barriers and the Gains from Trade", chapter in H. Giersch <i>On the Economics of Intra-Industry Trade</i> J C B Mohr, Tübingen
187. Lloyd, P.J. & Schweinberger A. G.	1988		"Trade Expenditure Functions and the Gains from Trade", <i>Journal of International Economics</i> Vol. 24, No. 1/2, February
188. Long, N. V.	1975		"Infant Industry Protection, Dynamic Internal Economies and the Non-Appropriability of 'Consumers and Producers' Surpluses" <i>Economic Record</i> , Vol. 51, No. 134, June
189. Manger, G.J.	1981		"The Australian Case for Protection Reconsidered", <i>Australian Economic Papers</i> , Vol. 20, No. 37, December
190. Manger, G.J.	1981		"Summing up on the Australian Case for Protection: Comment", <i>Quarterly Journal of Economics</i> , Vol. 96, No. 1
191. Massell, B.F.	1968		"The Resource-Allocative Effects of a Tariff and the Effective Protection of Individual Inputs" <i>Economic Record</i> , Vol. 44, No. 107, September
192. McDougall, I. A.	1962		"Tariffs, the Terms of Trade, and the Distribution of the National Income", <i>Journal of Political Economy</i> Vol. 70, No. 4, August

Author	Date	Total 1956-91 Citations	Title
193. McDougall, I.A. & Snape, R.H.	1970		<i>Studies in International Economics: Monash Conference Papers</i> , North-Holland, Amsterdam
194. Melville, L.G.	1967		"Tariff Policy", <i>Economic Record</i> Vol. 43, No. 102, June
195. Melvin, J. R.	1972		"A Weighting Problem in the Calculation of Effective Rates of Protection: A Comment" <i>Economic Record</i> , Vol. 48, No. 122, June
196. Moffatt, G.G.	1970		<i>Import Control and Industrialization: A Study of the Australian Experience</i> , Melbourne U.P.
197. National Institute of Economic & Industry Research	1989		"Tariffs", <i>National Economic Review</i> No. 10, March
198. Negishi, T.	1968		"Protection of Infant Industry & Dynamic Internal Economies", <i>Economic Record</i> , Vol. 44, No. 105, March
199. Niculescu, B.M.	1963		"Protection and the Tariff", <i>Economic Record</i> Vol. 39, No. 88, December
200. Nieuwenhuysen J. P.	1970 1976		<i>Australian Trade Practices: Readings</i> Cheshire Press, Melbourne
201. Nieuwenhuysen JP & Norman, N.R.	1976		<i>Australia Competition and Prices Policy: Trade Practices Tariffs, and Prices Justification</i> , Croon Helm, London
202. Nieuwenhuysen J. P.	1989		<i>Towards Freer Trade Between Nations</i> , CEDA Study Oxford University Press, Melbourne
203. Organisation for Economic Cooperation and Development	1972		<i>The Industrial Policy of Australia</i> Paris, Annex V, (OECD) Publications Centre
204. OECD	1985		"Costs and Benefits of Production" <i>OECD Observer</i> , No. 134
205. Olson, M.	1984		"Australia in Perspective of 'the Rise and Decline of Nations'", <i>Australian Economic Review</i> , 3rd Qtr. No. 67
206. Parmenter, B.R.	1986		"What Does Manufacturing Protection Cost Farmers? A Review of Some Recent Australian Contributions", <i>Australian Journal of Agricultural Economics</i> , Vol. 30, No. 2-3, Aug./Dec.

Author	Date	Total 1956-91 Citations	Title
207. Pengilley, W.J.	1974		"Comments on Arguments in Justification of Agreements in Restraint of Trade - The United Kingdom, Australian and New Zealand Experience", <i>Antitrust Bulletin</i> Vol. 19, No. 2, Summer
208. Pincus, J. J.	1975	**	"Pressure Groups and the Pattern of Tariffs" <i>Journal of Political Economy</i> , Vol. 83, No. 4, Aug.
209. Pincus, J. J.	1977	*	<i>Pressure Groups and Politics in Antebellum Tariffs</i> , Columbia University Press, New York
210. Pincus, J. J. & Withers, G.A.	1978 1983		"Economics of Regulation", chapter in F.H. Gruen <i>Surveys of Australian Economics</i> , Vol. 3 Allen and Unwin, Sydney
211. Plunkett, H. and Others	1992		"The Measurement of Effective Rates of Assistance in Australia", <i>Industry Commission Working Paper</i> No. 4, Belconnen, ACT, July
212. Porter, M.G.	1985		"The Labour of Liberalisation", chapter in J.A. Scutt <i>Poor Nation of the Pacific? Australia's Future?</i> Allen and Unwin, Sydney
213. Pursell, G. & Snape, R.H.	1973		"Economies of Scale, Price Discrimination and Exporting", <i>Journal of International Economics</i> , Vol. 3, No. 1/2
214. Quiggin, J.C.	1980		"A Note on Economies of Scale, Commodity Disaggregation and the Costs of Protection" <i>Australian Economic Papers</i> , Vol. 19, No. 35, June
215. Quiggin, J.C.	1989		"The Role and Consequences of Special Interest Groups and Political Factors", chapter in B. Chapman, <i>Australian Economic Growth: Essays in Honour of F.H. Gruen</i> , MacMillan, Melbourne
216. Rattigan, G.A.	1969		"The Tariff Board: Some Reflections" <i>Economic Record</i> , Vol. 45, No. 109, March
217. Rattigan, G.A.	1986		<i>Industry Assistance - The Inside Story</i> Melbourne University Press, Carlton
218. Ray, A.	1974		"A General Theorem on Uniform Versus Differentiated Tax-Subsidy Structure" <i>Journal of Economic Theory</i> , Vol. 7, No. 1, Jan.

Author	Date	Total 1956-91 Citations	Title
219. Ray, A.	1977		"Gains from Trade and the Size of a Country" <i>Journal of International Economics</i> , Vol. 7, No. 1/2
220. Ray, A.	1980		"Welfare Significance of Nominal and Effective Rates of Protection", <i>Australian Economic Papers</i> , Vol. 19, No. 34, June
221. Reitsma, A.J.	1958		"Trade and Redistribution of Income: Is There Still an Australian Case?", <i>Economic Record</i> , Vol.34, No.68
222. Reitsma, A.J.	1960		<i>Trade Protection in Australia</i> University of Queensland Press, Brisbane
223. Reitsma, A.J.	1961		"The 'Excess Costs' of a Tariff and their Measurement", <i>Economic Record</i> , Vol.37, No.80
224. Riley, J.G.	1970		"Ranking of Tariffs under Monopoly Power in Trade: An Extension", <i>Quarterly Journal of Economics</i> , Vol. 84, No. 4, November
225. Robertson, D.H.	1978		"Australia's Growth Performance: An Assessment" chapter in W. Kasper and T.G. Barry, <i>Growth, Trade and Structural Change in an Open Australian Economy</i> Centre for Applied Economic Research, Kensington
226. Robson, R.	1956		"The Infant-Industry Argument in Relation to the Protection of the Cotton Industry in Australia" <i>Economic Record</i> , Vol. 32, No. 63, November
227. Robson, R.	1956		"The Protection of the Cotton Industry in Australia and South Africa", <i>South African Journal of Economics</i> , Vol. 24, March
228. Sampson, G.P.	1974		"On Factor Substitution and Effective Tariff Rates" <i>Review of Economic Studies</i> , Vol. 41, April
229. Sampson, G.P.	1975		"Effective Protection and the Substitution Problem: The Australian Case", <i>Economic Record</i> , V.51, No.134
230. Sampson, G.P. & Yeats, A.J.	1977		"Tariff and Transport Barriers Facing Australian Exports", <i>Journal of Transport Economics and Policy</i> Vol. 11, March
231. Sampson, G.P. & Snape, R.H.	1980		"Effects of the EEC's Variable Import Levies" <i>Journal of Political Economy</i> , Vol. 88, No. 5
232. Samuelson, P.A.	1981		"Summing Up On the Australian Case for Protection", <i>Quarterly Journal of Economics</i> , V.96, (1)

Author	Date	Total 1956-91 Citations	Title
233. Samuelson, P.A.	1981		"Justice to the Australians" <i>Quarterly Journal of Economics</i> , Vol.96, No. 1, Feb.
234. Scutt, J.A.	1985		<i>Poor Nation of the Pacific? Australia's Future?</i> Allen and Unwin, Sydney
235. Shann, E.	1982		"Strength and Protection", <i>Australian Bulletin of Labour</i> , Vol. 9, No. 1
236. Snape, R.H.	1969		"Sugar: Costs of Protection and Taxation" <i>Economica</i> , Vol. 36, February
237. Snape, R.H.	1969 1973		<i>International Trade and the Australian Economy</i> Longman, Croydon
238. Snape, R.H.	1977	*	"Effects of Mineral Development on the Economy" <i>Australian Journal of Agricultural Economics</i> Vol. 21, No. 3, December
239. Snape, R.H.	1977		"Protection and the Future of Australian Manufacturing", <i>Australian Economic Review</i> , 2nd Qtr.
240. Snape, R.H.	1977		"Trade Policy in the Presence of Economies of Scale and Product Variety" <i>Economic Record</i> , Vol. 53, No. 144, December
241. Snape, R.H.	1984		"Australia's Relations with GATT" <i>Economic Record</i> , Vol. 60, No. 168, March
242. Snape, R.H.	1985		"Trade and Industry Policy: Comment", <i>Australian Economic Review</i> , 3rd Quarter, No. 71, Spring
243. Snape, R.H.	1986		"Should Australia seek a Trade Agreement with the United States", <i>Office of EPAC Discussion Paper</i> No. 86/01, Parkes, ACT
244. Snape, R.H.	1988		"Is Non-Discrimination Really Dead?" <i>The World Economy</i> , Vol. 11, No. 1
245. Snape, R.H.	1989		"A Free Trade Agreement with Australia" chapter in J. Schott, <i>Free Trade Areas and US Trade Policy</i> Institute for International Economics, Washington
246. Stern, R.M.	1973		"Tariffs and Other Measures of Trade Control: A Survey of Recent Development", <i>Journal of Economic Literature</i> , Vol. 11, No. 3, September

Author	Date	Total 1956-91 Citations	Title
247. Thomas, D.J.	1978		"Factorial Protection by Nominal and Effective Tariffs", <i>Economic Record</i> , Vol. 54, No. 147, Dec.
248. Thomas, D.J.	1981		"General Equilibrium Assessment of a Free Area Between Two Small Countries: Australia and New Zealand", <i>Australian Economic Papers</i> , Vol. 20, No.37
249. Turunen-Red, A.H. and Woodland, A.D.	1991		"Strict Pareto-Improving Multilateral Reforms of Tariffs", <i>Econometrica</i> Vol. 59, No. 4, July
250. Vernon, James Sir	1965		<i>Report on the Committee of Economic Inquiry</i> (3 vols.) (Vernon Report) AGPS, Canberra
251. Vousden, N.J.	1987		"Content Protection and Tariffs Under Monopoly and Competition", <i>Journal of International Economics</i> , Vol. 23, No. 3/4, November
252. Vousden, N.J.	1990		<i>The Economics of Trade Protection</i> Cambridge University Press, Cambridge
253. Warhurst, J.	1982	*	<i>Jobs or Dogma? The Industries Assistance Commission and Australian Politics</i> , University of Queensland Press, St. Lucia
254. Warr, P. G.	1977		"Tariff Compensation via Input Subsidies" <i>Economic Record</i> , Vol. 53, No. 144, December
255. Warr, P. G.	1978 1979		"Rehearing the Case Against Tariff Compensation" Vol. 22, No. 2&3, <i>Australian Journal of Agricultural Economics</i> , and reply article Vol. 23, No. 2
256. Warr, P.C. & Lloyd, P.J.	1983		"Do Australian Trade Policies Discriminate Against Less Developed Countries", <i>Economic Record</i> Vol. 59, No. 167, December
257. Woodland, A.D.	1977	*	"Joint Outputs, Intermediate Inputs and International Trade Theory", <i>International Economic Review</i> , Vol. 18, No. 3, October
258. Woodland, A.D.	1982	**	<i>International Trade and Resource Allocation</i> North-Holland, Amsterdam

40	P. Ganguli & S. Nath	Optimal Mix of Urban Public Services: The Case of Three Indian Cities; May 1990
141	P.D. Groenewegen	Alfred Marshall's Principles of Economics: A Centenary Perspective from the Antipodes; June 1990
142	J. Sheen	Real Wages and the Business Cycle in Australia; June 1990
143	C.J. Karfakis	A Model of Exchange Rate Policy: Evidence for the US Dollar-Greek Drachma Rate 1975-1987; August 1990
144	C.J. Karfakis & D.M. Moschos	Interest Rate Linkages within the European Monetary System: A Time Series Analysis; August 1990
145	C.J. Karfakis & D.M. Moschos	Asymmetries in the European Monetary System: Evidence from Interest Rates; September 1990
146	W.P. Hogan	International Capital Adequacy Standards; October 1990
147	J. Yates	Shared Ownership: The Socialisation or Privatisation of Housing?; October 1990
148	G. Butler	Contracts in the Political Economy of a Nation; November 1990
149	B. Rao	Some Further Evidence on the Policy Ineffectiveness Proposition; November 1990
150	D.J. Wright	Hidden Action and Learning-By-Doing in Models of Monopoly Regulation and Infant Industry Protection; November 1990
151	C.I. Karfakis	Testing for Long Run Money Demand Functions in Greece Using Cointegration Techniques; November 1990
152	D. Hutchinson & S. Nicholas	The Internationalisation of Australian Business: Technology Transfer and Australian Manufacturing in the 1980s; November 1990
153	B. Rao	A Disequilibrium Approach to the New Classical Model; December 1990
154	J.B. Towe	The Determinants of American Equity Investment in Australia; December 1990
155	E. Jones	Economists, The State and The Capitalist Dynamic; January 1991
156	I.J. Irvine & W.A. Sims	Gorman Polar Forms and the S-Branch Utility Tree; February 1991
157	B. Rao	A Model of Income, Unemployment and Inflation for the U.S.A.; February 1991
158	W.P. Hogan	New Banks: Impact and Response; March 1991
159	P.D. Groenewegen	Decentralising Tax Revenues: Recent Initiatives in Australian Federalism; April 1991
160	C.I. Karfakis	Monetary Policy and the Velocity of Money in Greece: A Cointegration Approach; July 1991
161	B. Rao	Disaggregation, Disequilibrium and the New Classical Model; July 1991
162	Y. Varoufakis	Postmodern Challenges to Game Theory; August 1991
163	Y. Varoufakis	Freedom within Reason from Axioms to Marxian Praxis; August 1991
164	D.J. Wright	Permanent vs. Temporary Infant Industry Assistance; September 1991

- 165 C.I. Karfakis & A.J. Phipps Covered Interest Parity and the Efficiency of the Australian Dollar Forward Market: A Cointegration Analysis Using Daily Data; November 1991
- 166 W. Jack Pollution Control Versus Abatement: Implications for Taxation Under Asymmetric Information; November 1991
- 167 C.I. Karfakis & A. Parikh Exchange Rate Convenience and Market Efficiency; December 1991
- 168 W. Jack An Application of Optimal Tax Theory to the Regulation of a Duopoly; December 1991
- 169 I.J. Irvine & W.A. Sims The Welfare Effects of Alcohol Taxation; December 1991
- 170 B. Fritsch Energy and Environment in Terms of Evolutionary Economics; January 1992
- 171 W.P. Hogan Financial Deregulation: Fact and Fantasy; January 1992
- 172 P.T. Vipraio An Evolutionary Approach to International Expansion: A Study for an Italian Region; January 1992
- 173 C. Rose Equilibrium and Adverse Selection; February 1992
- 174 D.J. Wright Incentives, Protection and Time Consistency; April 1992
- 175 A.J. Phipps, J. Sheen & C. Wilkins The Slowdown in Australian Productivity Growth: Some Aggregated and Disaggregated Evidence; April 1992
- 176 J.B. Towe Aspects of the Japanese Equity Investment in Australia; June 1992
- 177 P.D. Groenewegen Alfred Marshall and the Labour Commission 1891-1894; July 1992
- 178 D.J. Wright Television Advertising Regulation and Programme Quality; August 1992
- 179 S. Ziss Moral Hazard with Cost and Revenue Signals; December 1992
- 180 C. Rose The Distributional Approach to Exchange Rate Target Zones; December 1992
- 181 W.P. Hogan Markets for Illicit Drugs; January 1993
- 182 E. Jones The Macroeconomic Fetish in Anglo-American Economies; January 1993
- 183 F. Gill Statistics in the Social Sciences A Mixed Blessing? March 1993
- 184 Y. Varoufakis & S. Hargreaves-Heap The Simultaneous Evolution of Social Roles and of Cooperation; April 1993
- 185 C.I. Karfakis & D.M. Moschos The Information Content of the Yield Curve in Australia; April 1993
- 186 C.I. Karfakis & A. Parikh Uncovered Interest Parity Hypothesis for Major Currencies; May 1993
- 187 C.I. Karfakis & A.J. Phipps Do Movements in the Forward Discount on the Australian Dollar Predict Movements in Domestic Interest Rates? Evidence from a Time Series Analysis of Covered Interest Parity in Australia in the late 1980s; May 1993
- 188 J.B. Towe Citation Analysis of Publications on the Australian Tariff Debate, 1946-1991

## Working Papers in Economics Published Elsewhere

- 2 I.G. Sharpe & R.G. Walker Journal of Accounting Research, 13(2), Autumn 1975
- 3 N.V. Lam Journal of the Developing Economies, 17(1), March 1979
- 4 V.B. Hall & M.L. King New Zealand Economic Papers, 10, 1976
- 5 A.J. Phipps Economic Record, 53(143), September 1977
- 6 N.V. Lam Journal of Development Studies, 14(1), October 1977
- 7 I.G. Sharpe Australian Journal of Management, April 1976
- 9 W.P. Hogan Economic Papers, 55, The Economic Society of Australia and New Zealand, October 1977
- 12 I.G. Sharpe & P.A. Volker Economic Letters, 2, 1979
- 13 I.G. Sharpe & P.A. Volker Kredit und Kapital, 12(1), 1979
- 14 W.P. Hogan Some Calculations in Stability and Inflation, A.R. Bergstrom et al. (eds.), J. Wiley & Sons, 1978
- 15 F. Gill Australian Economic Papers, 19(35), December 1980
- 18 I.G. Sharpe Journal of Banking and Finance, 3(1), April 1978
- 21 R.L. Brown Australian Journal of Management, 3(1), April 1978
- 23 I.G. Sharpe & P.A. Volker The Australian Monetary System in the 1970s, M. Porter (ed.), Supplement to Economic Board 1978
- 24 V.B. Hall Economic Record, 56(152), March 1980
- 25 I.G. Sharpe & P.A. Volker Australian Journal of Management, October 1979
- 27 W.P. Hogan Malayan Economic Review, 24(1), April 1979
- 28 P. Saunders Australian Economic Papers, 19(34), June 1980
- 29 W.P. Hogan, I.G. Sharpe & P.A. Volker Economic Letters, 6 (1980), 7 (1981)
- 30 W.P. Hogan Australian Economic Papers, 18(33), December 1979
- 32 R.W. Bailey, V.B. Hall & P.C.B. Phillips Keynesian Theory, Planning Models, and Quantitative Economics, G. Gandolfo and F. Marzano (eds.), 2, 703-767, 1987
- 38 U.R. Kohli Australian Economic Papers, 21(39), December 1982
- 39 G. Mills Journal of the Operational Research Society (33) 1982
- 41 U.R. Kohli Canadian Journal of Economics, 15(2), May 1982
- 42 W.J. Merrilees Applied Economics, 15, February 1983
- 43 P. Saunders Australian Economic Papers, 20(37), December 1981
- 45 W.J. Merrilees Canadian Journal of Economics, 15(3), August 1982
- 46 W.J. Merrilees Journal of Industrial Economics, 31, March 1983
- 49 U.R. Kohli Review of Economic Studies, 50(160), January 1983
- 50 P. Saunders Economic Record, 57(159), December 1981

Copies are available upon request from:

Department of Economics,  
The University of Sydney,  
N.S.W. 2006, Australia.

- 53 J.Yates AFSI, Commissioned Studies and Selected Papers,  
AGPS, IV 1982
- 54 J.Yates Economic Record, 58(161), June 1982
- 55 G.Mills Seventh Australian Transport Research  
Forum-Papers, Hobart, 1982
- 56 V.B.Hall &  
P.Saunders Economic Record, 60(168), March 1984
- 57 P.Saunders Economic Record, 59(166), September 1983
- 58 F.Gill Economie Appliquee, 37(3-4), 1984
- 59 G.Mills &  
W.Coleman Journal of Transport Economics and Policy,  
16(3), September 1982
- 60 J.Yates Economic Papers, Special Edition, April 1983
- 61 S.S.Joson Australian Economic Papers, 24(44), June 1985
- 62 R.T.Ross Australian Quarterly, 56(3), Spring 1984
- 63 W.J.Merrilees Economic Record, 59(166), September 1983
- 64 A.J.Phipps Australian Economic Papers, 22(41), December 1983
- 65 V.B.Hall Economics Letters, 12, 1983
- 66 V.B.Hall Energy Economics, 8(2), April 1986
- 67 F.Gill Australian Quarterly, 59(2), Winter 1987
- 68 W.J.Merrilees Australian Economic Papers, 23(43), December 1984
- 69 C.G.F.Simkin Singapore Economic Review, 29(1), April 1984
- 70 J.Yates Australian Quarterly, 56(2), Winter 1984
- 71 V.B.Hall Economics Letters, 20, 1986
- 72 S.S.Joson Journal of Policy Modeling, 8(2), Summer 1986
- 73 R.T.Ross Economic Record, 62(178), September 1986
- 74 R.T.Ross Australian Bulletin of Labour, 11(4), Sept.1985
- 75 P.D.Groenewegen History of Political Economy, 20(4), Winter 1988
- 76 Scottish Journal of Political Economy, 37(1)1990
- 77 E.M.A.Gross, Australian Economic Papers, 27(50),  
W.P.Hogan & June 1988  
I.G.Sharpe
- 78 F.Gill Australian Bulletin of Labour, 16(4), Dec.1990
- 79 W.P.Hogan Company and Securities Law Journal,  
6(1), February 1988
- 80 J.Yates Urban Studies, 26, 419-433, 1989
- 81 B.W.Ross The Economic and Social Review, 20(3), April 1989
- 82 F.Gill Australia's Greatest Asset: Human Resources in  
the Nineteenth and Twentieth Centuries,  
D.Pope(ed.), Federation Press, 1988
- 83 A.J.Phipps Australian Economic Papers, 31(58), June 1992
- 84 R.T.Ross Australian Bulletin of Labour,  
15(1), December 1988
- 85 L.Haddad Hetsa Bulletin, (11), Winter 1989
- 86 J.Piggott Public Sector Economics - A Reader,  
P.Hare(ed.), Basil Blackwell, 1988
- 87 J.Carlson &  
D.Findlay Journal of Macroeconomics, 13(1), Winter 1991
- 88 J.Carlson &  
D.Findlay Journal of Economics and Business, 44(1), Feb.1992

- 89 P.D.Groenewegen Decentralization, Local Government and Markets:  
Towards a Post-Welfare Agenda, R.J. Bennet (ed.)  
Oxford University Press, 6, 87-115, 1990
- 90 B.W.Ross Prometheus, 6(2), December 1988
- 91 S.S.Joson Rivista Di Diritto Valutarario e Di Economia  
Internazionale, 35(2), June 1988
- 92 P.Groenewegen NeoClassical Economic Theory 1870 to 1930  
K.Hennings & W.Samuels (eds.), 13-51, 1990
- 93 V.B.Hall, Energy Economics, 12(4) October 1990  
T.P.Truong &  
V.A.Nguyen
- 94 V.B.Hall, Australian Economic Review, (87) 3'89  
T.P.Truong & V.A.Nguyen
- 95 F.Gill Australian Journal of Social Issues, 25(2), May 1990
- 96 G.Kingston Economics Letters, 15 (1989)
- 97 V.B.Hall &  
D.R.Mills Pacific and Asian Journal of Energy, 2(2),  
December 1988
- 98 W.P.Hogan Abacus, 25(2), September 1989.
- 99 P.Groenewegen Flattening the Tax Rate Scale: Alternative  
Scenarios & Methodologies, (eds.) J.G. Head  
and R. Krever, 1, 3-31, 1990
- 100 W.P.Hogan &  
I.G. Sharpe Economic Analysis and Policy, 19(1),  
March 1989
- 101 G.Mills Journal of Transport Economics and Policy,  
23, May 1989
- 102 F.Gill The Australian Quarterly, 61(4), 1989
- 103 S.Lahiri &  
J.Sheen The Economic Journal, 100(400), 1990
- 104 J.Sheen Journal of Economic Dynamics and Control, 16, 1992
- 105 Y.Varoufakis Economie Appliquee, 45(1), 1992
- 106 L.Ermini The Economic Record, 69, (204), March 1993
- 107 P.Groenewegen Australian Economic Papers, 31, 1992
- 108 C.J.Karfakis Applied Economics, 23, 1991
- 109 C.J.Karfakis &  
D.Moschos Journal of Money, Credit, and Banking, 22, (3), 1990
- 110 J.Yates Housing Studies, 7, (2), April 1992
- 111 W.P.Hogan Economic Papers, 10, (1), March 1991
- 112 C.J.Karfakis Applied Financial Economics, 1, (3), Sept.1991
- 113 Y.Varoufakis Science and Society, 56(4), 1993
- 114 C.Rose The Rand Journal of Economics, 24(4), Winter 1993