EUROPEAN UNIVERSITY INSTITUTE, FLORENCE DEPARTMENT OF ECONOMICS

BUDGET DEFICITS
AND THE
EXCHANGE RATE

by
Emil Claassen / Melvyn Kraus *

New York University and Hoover Institution (Stanford). The paper was prepared during his stay at the EUI in April/May 1984. All rights reserved.

No part of this paper may be reproduced in any form without permission of the author.

(C) Emil Claassen and Melvyn Kraus Printed in Italy in March 1986 European University Institute Badia Fiesolana - 50016 San Domenico (Fi) -Italy

I. Introduction

In the recent literature on flexible exchange rates, attention has been focused primarily on monetary policy. Fiscal policy, in particular, has been afforded scant attention. Moreover, unlike the case of monetary policy where there is a consensus as to the effect monetary policy is likely to have on currency exchange rates, the various articles dealing with fiscal policy are not unanimous with respect to the exchange-rate effects. This is evident from the recent survey by Penati (1983).

In the fiscal policy literature, an important assumption concerns the degree of substitutability between domestic and foreign financial assets. There are two limiting cases: that of zero substitutability, and perfect substitutability. In the first case, the traditional flow models of the 1960s predict a depreciation of the domestic currency when there is an expansionary, bond-financed fiscal policy since the trade balance has to remain in equilibrium. The second case, formerly called perfect capital mobility, leads to an opposite result. Currency appreciation is necessary to equilibrate the goods market, since accommodating capital flows guarantee an overall equilibrium in the balance of payments. Consequently, any in-between case of imperfect (i.e., non-zero and non-perfect) substitutability of domestic and foreign assets gives rise either to a depreciation or an appreciation, depending on the degree of integration of the domestic financial market within the international economy.

In this article, we shall focus on the special case of perfect substitutability between domestic and foreign financial assets which is relevant to small open economies whose financial markets are highly integrated with the world capital market. As is already well-known from traditional models (section II), this assumption permits a simplication of macroeconomic models since the domestic interest rate can be assumed to be given by the rest of the world. The advantage of this assumption is that it allows abstraction from portfolio analysis.

Following studies by Dornbusch (1976), Frenkel (1976), Dornbusch and Fischer (1980), and Branson and Buiter (1983) on the necessity of a long-run stock equilibrium, section III analyzes the path of the exchange rate from an initial appreciation to a final depreciation given a fiscal policy shock. Since a current account deficit decreases net financial wealth, and thus reduces expenditures on domestic goods, the subsequent excess supply in the goods market is eliminated mainly by a depreciation of the domestic currency. Furthermore, there are inherent equilibrating forces leading to an equilibrium in the current account. Exchange-rate expectations, introduced in section IV, which are assumed to be of the rational type will only dampen the initial appreciation effect, whereas the final depreciation rate will remain unaffected.

In section V, we take into account the government budget constraint as elaborated by Sachs and Wyplosz (1984). Considering first government bonds as a net wealth item, the initial fiscal impulse is amplified by the positive wealth effect on private expenditures, leading to a continuous increase in the exchange rate. On the other hand, if government bonds do not constitute net wealth and if the government budget is balanced over the long run, there will be no exchange rate effect of an expansionary fiscal policy.

In the concluding section VI, we shall emphasize the real (as compared with the financial) determinants of the exchange rate which are

3

particular for a model characterized by the assumption of perfect substitutability between domestic and foreign assets. Finally, we shall indicate other restrictive assumptions for which the proposed model is valid. Since the interest rate is that of the world economy, a rise in the domestic interest rate is excluded. This excludes crowding-out of domestic private expenditures in favor of public expenditures via an interest-rate effect. Assuming also a constant price level, another crowding-out effect via the wealth-effect can be disregarded.

Consequently, the only way to satisfy the additional public expenditures is through the foreign sector of the goods market.

The mechanics of the satisficing process are as follows: The excess demand in the market for domestic goods is eliminated by currency appreciation which decreases exports and increases imports. The additional public expenditures on domestic goods are satisfied by more available exportable goods for internal use and more available import substitutes being replaced by additional imports. The domestic currency will appreciate by such an amount, at which the budget deficit equals the trade-balance deficit (provided, of course, that the trade balance was initially in equilibrium).

The assumptions with respect to an unchanged interest rate are discussed in section III.

5

The above argument can be illustrated formally by the traditional

$$L(r,y) = M[LM schedule]$$
 (1)

$$y = E(r,y) + G + T(E,e)$$
 [IS schedule] (2)

where $T_E < 0$, $T_e > 0$ and where

Mundell model (1963):

L = demand for money,

M = supply of money,

y = domestic output,

E = domestic private expenditures on domestic and foreign goods,

G = public expenditures on domestic goods,

T = trade balance (exports minus imports),

r = interest rate,

e = exchange rate.

The sum of E and G represents total absorption, so that E+G+T is the total demand (by residents and foreigners) for domestic goods whereas y is the supply of domestic goods.

Since the domestic interest rate (r) is given by the world economy (r*), the equilibrium condition of the money market determines real income (\bar{y} ; see the upper panel of Fig. 1). We assume that \bar{y} is the domestic output at full employment when it is not specified otherwise. Any remaining disequilibrium in the market for domestic goods will be eliminated by a change in the exchange rate. For a given level of public expenditures ($^{G}_{O}$), the exchange rate which equilibrates the goods market is $^{e}_{O}$ (see lower panel of Fig. 1). Thus, under the assumption of perfect substitutability of domestic and foreign financial assets, the exchange rate is determined exclusively by the real sector of the

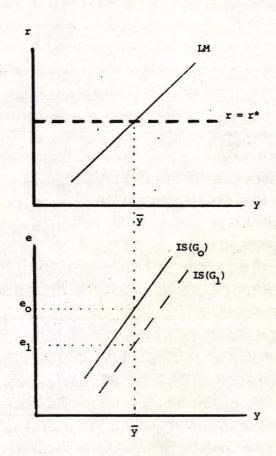


Figure 1

$$dG = -T_e de. (3)$$

As far as the balance of payments is concerned, it is always in equilibrium at any exchange rate since any trade-balance deficit is financed by accommodating capital inflows.

The traditional literature based on Mundell's analysis goes no further than this--budget deficits unambigously appreciate the domestic currency (i.e., always under the assumption of perfect substitutability between domestic and foreign assets). However, as will be shown, the appreciation is only a short run consequence of the budget deficit.

Over time, the appreciation will be reversed, and in the long run there will be a depreciation of the domestic currency by comparison with the initial level of the exchange rate.

III. Foreign Indebtedness and the Exchange Rate

The argument for a long-run depreciation of the domestic currency is based on the wealth effect on private expenditures. The trade-balance deficit implies capital inflows, which reduces financial wealth, and thus, private expenditures. Lower private expenditures release parts of domestic products for satisfying additional public expenditures. As a consequence, future trade-balance deficits for financing government expenditures should decrease in order to maintain equilibrium in the goods market. The initial appreciation will be reversed. In the long run, the trade-balance deficits vanish by a series of depreciations and they are replaced by an excess supply of domestic goods being made available for public expenditures by a fall in private expenditures. The final level of the exchange rate will be above the initial one when the full stock equilibrium (a lower stock of foreign financial assets) has been established automatically. The trade balance has to be positive (to the extent that it was in equilibrium at the outset) in order to finance additional interest payments to foreign countries.

When taking into account the wealth effect on private expenditures, the equilibrium condition of the goods market (2) has to be modified in the following way:

$$y = E(r,y,W) + G + T(E,e)$$
 [IS schedule] (4)

W stands for net financial wealth which is composed of the outstanding stock of money and net foreign assets (F):

$$W = M + F. (5)$$

Since the quantity of money is assumed to be constant, any change in wealth arises from a change in the stock of net foreign assets (dW = dF). Private expenditures are an increasing function of wealth

The Author(s). European University Institute.

 $(E_W^->0)$. The impact of a change in wealth on the trade balance is indirect because a <u>ceteris paribus</u> increase in wealth raises private expenditures ($dE=E_W^-$ dF) and higher private expenditures deteriorate the trade balance ($T_E^ dE=T_E^-E_W^-$ dF where $T_E^-<0$). A change in wealth (dF) is produced by the imbalance in the current account of the balance of payments:

$$dF = T(E,e) + r*F [=0] [CA schedule]$$
 (6)

To the extent that the current account is not balanced, a change in F feeds back on the conditions in the goods market (4), provoking a change in the exchange rate since the value for r and y are predetermined.

The equilibrium condition of the goods market (4) is represented by the IS schedule in Fig. 2. Departing from any point on the IS schedule, an increase in F creates an excess demand for domestic goods which is eliminated by a fall in the exchange rate which decreases exports and increases imports:

$$\frac{\text{de}}{\text{dF}}\Big|_{\text{IS}} = -\frac{\text{E}_{\text{W}}^{+} \text{T}_{\text{E}} \text{E}_{\text{W}}}{\text{T}_{\text{e}}} < 0$$

where, in absolute terms, $E_W > T_E E_W$. The equilibrium condition of the current account (6), the CA schedule, is also negatively shaped. Again taking any point on the CA schedule, a rise in F improves the current account through higher interest payments from abroad which are partly offset by a deterioration of the trade balance ($T_E E_W dF$). The surplus of

The Author(s). European University Institute.

10

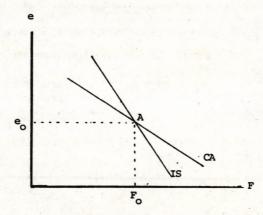


Figure 2

the current account can be eliminated by an appreciation which worsens the trade balance:

$$\frac{\text{de}}{\text{dF}}\Big|_{CA} = -\frac{r^* + T_E^E w}{T_O} < 0$$

To the extent that, in absolute terms, $r^* = T_E^E_W$, the CA schedule would be a horizontal line: an increase in F leads to a rise of foreign interest payments from abroad which are exactly matched by a deterioration in the trade balance through the wealth effect on imports. Stability conditions require that the slope of the CA schedule is lower than the slope of the IS schedule, both measured in absolute terms, i.e., that

$$r^* \leftarrow E_W$$
 (7)

Thus, for instance, any point on the IS schedule rightward from the

Fig. 3 represents a combination of Fig. 2 with the lower panel of Fig. 1. The solid lines describe the initial equilibrium at point A before government expenditures are increased. For reason of simplicity, we assume that the initial stock of net financial assets (F_0) is zero. A rise in government expenditures from G_0 to G_1 produces the appreciation of the domestic currency from e_0 to e_1 (see point B) according to the Mundell model. At point B, the current account is in deficit, wealth is decreasing, and thus, private expenditures are falling. The equilibrium condition in the goods market require a lower trade-balance deficit which is brought about by an increase in the exchange rate. In the righthand panel of Fig. 3, the system moves on the IS (G_1) schedule gradually towards point C, where the current account is in equilibrium and net foreign indebtedness reaches the level F_1 . In the lefthand panel, the IS schedule for the lower wealth level shifts towards the position $IS(G_1, F_1)$.

With respect to the initial exchange rate (e_0) , the domestic currency has been depreciated by e_2-e_0 , i.e., by

$$\frac{de}{dG} = \frac{r^* + T_E E_W}{(E_W - r^*) T_e}$$
(8)

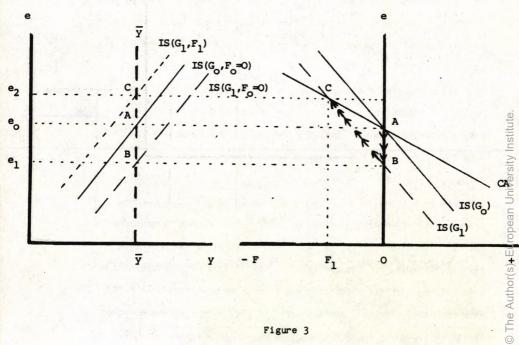


Figure 3

The expression (8) is derived from the equilibrium conditions (4) and (6). Formula (8) is positive to the extent that the stability condition (7) holds. The long-run depreciation takes place provided that $r^* + T_E E_W$ > 0, according to which the higher indebtedness worsens the current account (the increase in interest payments is higher than the improvement of the trade-balance via lower imports). Consequently, a depreciation has to occur in order to create a trade-balance surplus (initially, it was assumed to be in equilibrium) which is sufficient to honor the interest service on foreign debt. The exchange rate would

remain unchanged if $r^* + T_E E_W = 0$, i.e., if the interest payments on the additional debt are offset by a trade-balance surplus induced by the reduction of imports via the wealth effect. Finally, there can be an appreciation provided that $r^* + T_E E_W < 0$, which means that the trade-balance surplus created by the wealth effect exceeds the interest payments on foreign debt.²

To summarize, an expansionary fiscal policy leads to an appreciation of the domestic currency in the short-run, but to a depreciation in the long-run. Due to the assumption that the monetary sector always remains in equilibrium, the downward and subsequent upward movement in the exchange rate arises from the equilibrating forces within the real sector (goods market and current account). At the very beginning of the expansionary fiscal policy, the economy as a whole consumes more goods than it produces, and the extra goods are provided by a real transfer from abroad. However, there are automatic forces which maintain the country's long-run external budget constraint. The real transfer will be paid for eventually by a gradual reduction in private absorption (via the wealth effect of foreign indebtedness) which produces a series of depreciations.

IV. The Role of the Monetary Sector

That the monetary sector plays a passive role in the determination of the exchange rate arises from the assumption that domestic and foreign financial assets are perfect substitutes. However, two influences resulting from a change in the demand for money on the

It should be noted that at the new long-run equilibrium point C, the additional government expenditures (ΔG) are completely financed by a fall in private expenditures. Since the trade-balance must be in surplus, the reduction in private expenditures finances not only the budget deficit, but also the trade-balance surplus ($\Delta G + \Delta T = -\Delta E$).

14

exchange rate are conceivable. The first one produces only a temporary impact, and the second one reveals a permanent effect on the exchange rate.

The short-run influence of the money market on the exchange rate is caused by a temporary increase in the domestic interest rate (r) above the world interest rate (r*) according to the interest-rate parity (IRP):

$$r = r^* + \frac{\bar{e} - e}{\bar{e}}$$
 [IRP schedule] (9)

The last term in formula (9) stands for the expected change in the exchange rate, where \bar{e} represents the expected exchange rate. The interest-rate parity is illustrated by the IRP schedule (Claassen, 1983) in the righthand panel of Fig. 4 for a given international interest rate (r^*) and for a given expected exchange rate $(\bar{e} - e_0)$. Its slope is equal to

$$\frac{de}{dr} \mid_{IRP} = -\frac{e^2}{e} < 0.$$

To the extent that the actual exchange rate is below the expected one (e $\langle \bar{e} \rangle$, there will be an expectation of a depreciation, and the domestic interest rate lies above the international one $(r > r^*)$ by the amount of the expected depreciation rate. There is no risk premium since we assume rational expectations according to which the expected change in the exchange rate is equal to the actual change.

The initial equilibrium is at point A in both panels of Fig. 4 $(e_0 = \bar{e} \text{ and } r_0 = r^*).$ The increase in government expenditures leads to

At point B, the goods market is in disequilibrium because the rise in the domestic interest rate creates an excess supply of goods for two reasons. First, by relaxing the assumption of full employment, output will rise since there is an excess supply of money as a consequence of the interest rate-induced fall in the demand for money. Second, private expenditures are also falling as a result of the higher interest rate. Consequently, the size of the initial appreciation (point B) which was necessary to eliminate the government-induced excess demand for goods will be lower such that the appreciation will be settled, for instance, at point B' instead of point B.3 As far as the long-run exchange-rate level is concerned, it continues at point C since the domestic interest rate is only higher over the adjustment process from B' to C, during which the interest rate falls continuously until it has reached the world interest level r*. Thus, by taking into account the short-run rise in the domestic rate, the path of the exchange rate will be

 $^{^3}$ Since we assume an instantaneous adjustment process in the goods market (and, a fortiori, in the money market), the movement of the exchange rate will be that of A to B' and not from A to B and then from B to B'.

modified (see the arrows in Fig. 4), its final quilibrium level, however, remains unchanged.4

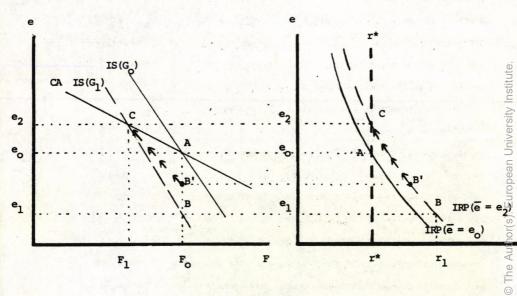


Figure 4

In exchange-rate models with imperfect substitutability of domestic and foreign financial assets ("portfolio models"), both the initial appreciation rate and the final depreciation rate are dampened since the domestic interest rate rises in the short run and in the long run, leading to an interest-rate induced crowding-out of private expenditures. Consequently, the fiscal stimulus remains lower even though output increases, since the demand for money decreases with a higher interest rate (Branson and Buiter, 1983 and Sachs and Wyplosz, 1984.

European University Institute.

The Author(s).

$$\frac{de}{dG} = \frac{r^{*+T} E^{E} w^{-T} E^{E} y^{(L} w^{/L} y^{)}}{[E_{W}^{-r^{*}+(1-E} y)(L_{W}^{/L} y^{)}]T_{e}}$$
(8a)

 $^{^5}$ By including the wealth variable in the demand function for money of equation (1), the differential of the equilibrium conditions (1), (4), and (6) indicates the following depreciation rate for the long run:

For $L_W = 0$, we obtain the expression of formula (8). If L_W is relatively large, then (8a) > (8).

. European University Institute.

O The Author(s).

V. Public Indebtedness and the Exchange Rate

To this point, we have neglected that the once-and-for-all rise of government expenditures from ${\tt G}_{\tt O}$ to ${\tt G}_{\tt 1}$ gives rise to a continuous increase in public indebtedness, since the additional government expenditures were assumed to be financed on the domestic credit market. To the extent that government bonds (B) are considered to represent net financial wealth,

$$W = M + B + F,$$
 (10)

there will be a supplementary demand impulse on the market for domestic goods since private expenditures are an increasing function of wealth. As a result, both the size of the initial rate of appreciation and the size of the final rate of depreciation must be higher. In Fig. 5, the government-expenditures effect and the wealth effect are illustrated separately. The first one is known from Fig. 3 and the exchange-rate path is from A to B and from B to C. The additional wealth effect produces the trajectory from A to B' and from B' to C'. It should be noted that the CA schedule shifts upward since the increase in wealth from $_{\rm O}^{\rm B}$ to $_{\rm O}^{\rm T}$ worsens the trade balance. The reason for the higher depreciation rate at point C' is that the additional demand impulse arising from the wealth effect creates a stronger cumulative deficit in the current account during the transition period. Consequently, the economy ends up with a higher level of foreign indebtedness. The interest payments on foreign debt are higher such that the tradebalance surplus must be larger, which is brought about by a greater depreciation rate.

European University Institute.

© The Author(s).

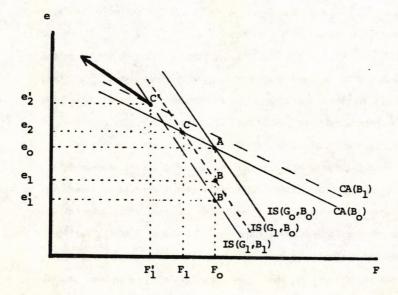


Figure 5

The adjustment process does not stop at point C', however. Public debt continues to increase, and over time the IS schedule shifts continuously downward and the CA schedule continuously upward--both move steadily at the rate of increase of public debt. It follows that there will be a continuous increase in the exchange rate according to the arrow in Fig. 5.

Consequently, a permanent budget deficit—at least in our framework of a stationary economy—creates a stability problem which is already well-known from the literature for a closed economy (Christ, 1979;

European University Institute.

Mayer, 1984). In the context of an open economy, there would be an endless rise in the exchange rate which could even become explosive if one introduces exchange-rate expectations.

In order to solve the stability problem, one has to introduce the constraint of a balanced government budget in the sense of a limited level of government indebtedness (Sachs and Wyplosz, 1984); otherwise the interest service on public debt will grow infinitely over the distant future. Given that in our model the public indebtedness involves a foreign indebtedness, the limit of public indebtedness is also set by the limit of foreign indebtedness. Increasing government debt implies increasing foreign debt, and there is a limit to the size of the trade-balance surplus (and, thus, to the size of the fall in private absorption); otherwise the ever-increasing amount of interest payments on foreign debt would have to be financed by an ever increasing trade-balance surplus (which, by the way, involves an ever increasing exchange rate).

By setting the tolerable size of public indebtedness to a finite level B, the increase in government expenditures has to be financed either by additional taxes when the public debt has reached the upper limit B, or be reduced to the initial level G. In both cases, by neglecting the wealth effect of additional government bonds, the system has to return to point A in Fig. 5. For the very long run, the temporary fiscal stimulus would be neutral both with respect to the exchange rate and the level of foreign indebtedness.6

The case of an increase in taxes has to be conceived in such a way that the expansionary impulse of additional government expenditures on the demand for domestic goods is offset by the restictive impact of higher (Footnote continued)

On the other hand, if one takes into consideration the wealth effect of the additional government bonds ($\Delta W = \Delta B = \overline{B} - B_0$, where B_0 is the initial level of government debt), there will be a depreciation rate of

$$\frac{de}{dB} = \frac{r^*(E_W^+ T_E^- E_W^-)}{(E_W^- r^*) T_e}$$
 (11)

compared to the initial exchange rate e_O at which fiscal policy became active. Formula (11) results from a differentiation of the equilibrium conditions (4) and (6) for the wealth definition (10) and for dG = 0. Under the stability condition (7), the expression (11) is positive, but it is smaller than (8) (for dB = dG even though $\Delta B = B - B_O = \Sigma \Delta G$). The interpretation for the long-run depreciation is straightforward. Even though the long-run government budget is balanced, the past fiscal "experiments" have produced not only a higher level of public debt, but a higher level of foreign debt where

$$dF = -\frac{E_W}{E_W - r^*} dB. \qquad (12)$$

During the adjustment process, the current account is in deficit—this gives rise to a higher level of foreign indebtness. The increased amount of interest payments on foreign debt must be financed by a corresponding trade—balance surplus brought about by the depreciation of the domestic currency.7

⁶⁽continued) taxes.

The should be noted that, according to (12), /dF/>dB, i.e., the level of foreign debt is higher than the level of public debt. The reason is the following one: The overall wealth effect on private expenditures would (Footnote continued)

However, if one relaxes the assumption according to which government bonds constitute a net wealth item, the economy will not only return to the initial exchange rate, but the exchange rate could even remain unchanged from the very beginning. The latter case is the one advanced by Barro (1974, 1981). Since there is a finite level of government debt, any government budget has to be balanced over the longer-run. If taxpayers discount their future tax liabilities in the proper way, the positive wealth of government bonds is netted out by the negative wealth of future tax liabilities, or, in flow terms, the expansionary impulse of additional government expenditures is offset by the contractionary impact of lower private expenditures as a consequence of a lower permanent disposable income.

⁽continued)

be zero if dF + dB = 0. Under this condition, the depreciation creates an excess demand in the market for domestic goods; consequently, foreign debt has to rise more in order to equilibrate the goods market.

VI. Concluding Remarks

Exchange rate models with perfect substitutability of domestic and foreign financial assets are particularly well suited to demonstrate that, over the long-run, bond-financed government expenditures depreciate the domestic currency. The reason is that given the constancy of the interest rate, the exchange rate is the key variable for equilibrating the real sector of the economy -- at least in the long-run. There are two reasons for this. The first relates to the increase in indebtedness of the concerned country. At final full-stock equilibrium, the current-account deficit will be eliminated, but the higher amount of interest payments on foreign debt must be matched by an appropriate trade-balance surplus via a certain depreciation rate. This has been stressed in a well-known article by Rodriguez (1979). The second reason for long-run currency depreciation arises when government bonds are considered as net financial wealth. Even if the long-run stability conditions of a balanced government budget are met by reducing the exchange rate to its initial level, the higher level of government debt represents an expansionary effect on private expenditures through which temporary current-account deficits are created. The economy ends up with a higher level of foreign indebtedness in this case as well, and the corresponding higher interest payments require a higher trade-balance surplus and thus a higher depreciation of the currency.

Whether the results of the proposed model corroborate the facts of the evolution of the US-dollar exchange rate since the beginning of the 1980s is a job for econometric analysis. To be sure, relative expansionary fiscal policy of the U.S., by comparison with Europe and

© The Author(s). European University Institute.

Japan, constitutes one reason for the appreciation of the U.S. currency with respect to the other currencies. However, over the time, a gradual depreciation of the U.S. dollar must be expected according to the arguments of our model, since the service of the higher level of indebtedness of the U.S. economy with respect to the rest of the world has to be financed by an improvement in the American trade balance.

25

References

- 1. Barro, Robert J. "Are Government Bonds Net Wealth?" <u>Journal</u>
 of Political Economy (November/December 1974).
- 2. _____. "Output Effects of Government Purchases." <u>Journal</u> of Political Economy (December 1981), pp. 1086-1121.
- 3. Boyer, Russel S. "Perfect Foresight, Financial Policies, and Exchange-Rate Dynamics." <u>Canadian Journal of Economics</u> (February 1982), pp. 143-64.
- 4. Branson, William H. and Willem H. Buiter. "Monetary and Fiscal Policy With Flexible Exchange Rates." In J. S. Bhandari and B. H. Putnam, eds., Economic Interdependence and Flexible Exchange Rates. (Cambridge, Mass.: MIT Press, 1983), pp. 251-85.
- 5. Christ, Carl. "On Fiscal and Monetary Policies and the Government Budget Restraint." American Economic Review (September 1979), pp. 539-52.
- 6. Claassen, Emil. "The Keynesian and Classical Determination of the Exchange Rate." Weltwirtschaftliches Archiv, vol. 199 (1983), pp. 19-35.
- 7. Dornbusch, Rudiger. "Capital Mobility, Flexible Exchange Rates, and Macroeconomic Equilibrium." In E. Claassen and P. Salin, eds., Recent Issues in International Monetary Economics (Amsterdam: North-Holland, 1976), pp. 261-78.
- 8. Dornbusch, Rudiger and Stanley Fischer. "Exchange Rates and the Current Account." American Economic Review (December 1980), pp. 960-71.
 - 9. Frenkel, Jacob A. "Adjustment Mechanisms and the Monetary

European University Institute.

© The Author(s).

26

Claassen and P. Salin, eds., Recent Issues in International Monetary

Economics (Amsterdam: North-Holland, 1976), pp. 29-48.

Approach to the Balance of Payments: A Doctrinal Perspective." In E.

10. Mayer, Thomas. "The Government Budget Constraint and Standard Macrotheory." Journal of Monetary Economics (1984), pp. 371-79.

- 11. Mundell, Robert A. "Capital Mobility and Stabilization Policy
 Under Fixed and Flexible Exchange Rates." <u>Canadian Journal of Economics</u>
 (November 1963), pp. 475-85.
- 12. Penatti, Alessandro. "Expansionary Fiscal Policy and the Exchange Rate." IMF Staff Papers (September 1983), pp. 542-69.
- 13. Rodriguez, Carlos A. "Short- and Long-Run Effects of Monetary and Fiscal Policies Under Flexible Exchange Rates and Perfect Capital Mobility." American Economic Review (March 1979), pp. 176-82.
- 14. Sachs, Jeffrey and Charles Wyplosz. "La Politique Budgétaire et le Taux de Change Réel." Annales de l'INSEE, no. 53 (1984), pp. 68-92.

WORKING PAPERS ECONOMICS DEPARTMENT

		PARTIES AND REAL PROPERTY AND	
No.	1:	Jacques PELKMANS	The European Community and the Newly Industrialized Countries
No.	3:	Aldo RUSTICHINI	Seasonality in Eurodollar Interest Rates
No.	9:	Manfred E. STREIT	Information Processing in Futures Markets. An Essay on the Adequacy of an Abstraction
No.	10:	Kumaraswamy VELUPILLAI	When Workers Save and Invest: Some Kaldorian Dynamics
No.	11:	Kumaraswamy VELUPILLAI	A Neo-Cambridge Model of Income Distribution and Unemployment
No.	12:	Guglielmo CHIODI Kumaraswamy VELUPILLAI	On Lindahl's Theory of Distribution
No.	22:	Don PATINKIN	Paul A. Samuelson on Monetary Theory
No.	23:	Marcello DE CECCO	Inflation and Structural Change in the Euro-Dollar Market
No.	24:	Marcello DE CECCO	The Vicious/Virtuous Circle Debate in the '20s and the '70s
No.	25:	Manfred E. STREIT	Modelling, Managing and Monitoring Futures Trading: Frontiers of Analytical Inquiry
No.	26:	Domenico Mario NUTI	Economic Crisis in Eastern Europe: Prospects and Repercussions
No.	34:	Jean-Paul FITOUSSI	Modern Macroeconomic Theory: An Overview
No.	35:	Richard M. GOODWIN Kumaraswamy VELUPILLAI	Economic Systems and their Regulation
No.	46:	Alessandra Venturini	Is the Bargaining Theory Still an Effective Framework of Analysis for Strike Patterns in Europe?
No.	47:	Richard M. GOODWIN	Schumpeter: The Man I Knew
No.	48:	Jean-Paul FITOUSSI Daniel SZPIRO	Politique de l'Emploi et Réduction de la Durée du Travail
No.	56:	Berc RUSTEM Kumaraswamy VELUPILLAI	Preferences in Policy Optimization and Optimal Economic Policy

The Author(s). European University Institute.

No. 60:	Jean-Paul FITOUSSI	Adjusting to Competitive Depression. The Case of the Reduction in Working Time
No. 64:	Marcello DE CECCO	Italian Monetary Policy in the 1980s
No. 65:	Gianpaolo ROSSINI	Intra-Industry Trade in Two Areas: Some Aspects of Trade Within and Outside a Custom Union
No. 66:	Wolfgang GEBAUER	Euromarkets and Monetary Control: The Deutschmark Case
No. 67:	Gerd WEINRICH	On the Theory of Effective Demand Under Stochastic Rationing
No. 68:	Saul ESTRIN Derek C. JONES	The Effects of Worker Participation upon Productivity in French Producer Cooperatives
No. 69:	Berc RUSTEM Kumaraswamy VELUPILLAI	On the Formalization of Political Preferences: A Contribution to the Frischian Scheme
No. 72:	Wolfgang GEBAUER	Inflation and Interest: the Fisher Theorem Revisited
No. 75:	Sheila A. CHAPMAN	Eastern Hard Currency Debt 1970- 1983. An Overview
No. 90:	Will BARTLETT	Unemployment, Migration and Indus- trialization in Yugoslavia, 1958- 1982
No. 91:	Wolfgang GEBAUER	Kondratieff's Long Waves
No. 92:	Elizabeth DE GHELLINCK Paul A. GEROSKI Alexis JACQUEMIN	Inter-Industry and Inter-Temporal Variations in the Effect of Trade on Industry Performance
84/103:	Marcello DE CECCO	The International Debt Problem in the Interwar Period
84/105:	Derek C. JONES	The Economic Performance of Producer Cooperatives within Command Economies: Evidence for the Case of Poland
84/111:	Jean-Paul FITOUSSI	A Non-Linear Model of Fluctuations

Kumaraswamy VELUPILLAI

84/113: Domenico Mario NUTI

in Output in a Mixed Economy

Managed Economies

Mergers and Disequilibrium in Labour-

84/114:	Saul ESTRIN Jan SVEJNAR	Explanations of Earnings in Yugoslavia: the Capital and Labor Schools Compared
84/116:	Reinhard JOHN	On the Weak Axiom of Revealed Preference without Demand Continuity Assumptions
84/118:	Pierre DEHEZ	Monopolistic Equilibrium and Involuntary Unemployment
84/119:	Domenico Mario NUTI	Economic and Financial Evaluation of Investment Projects: General Principles and E.C. Procedures
84/120:	Marcello DE CECCO	Monetary Theory and Roman History
84/121:	Marcello DE CECCO	International and Transnational Financial Relations
84/122:	Marcello DE CECCO	Modes of Financial Development: American Banking Dynamics and World Financial Crises
84/123:	Lionello PUNZO Kumaraswamy VELUPILLAI	Multisectoral Models and Joint Production
84/126:	John CABLE	Employee Participation and Firm Performance: a Prisoners' Dilemma Framework
84/127:	Jesper JESPERSEN	Financial Model Building and Financial Multipliers of the Danish Economy
84/128:	Ugo PAGANO	Welfare, Productivity and Self-Management
85/155:	François DUCHENE	Beyond the First C.A.P.
85/156:	Domenico Mario NUTI	Political and Economic Fluctuations in the Socialist System
85/157:	Christophe DEISSENBERG	On the Determination of Macroeconomic Policies with Robust Outcome
85/161:	Domenico Mario NUTI	A Critique of Orwell's Oligarchic Collectivism as an Economic System
85/162:	Will BARTLETT	Optimal Employment and Investment Policies in Self-Financed Producer Cooperatives
The state of the s	Jean JASKOLD GABSZEWICZ	Asymmetric International Trade

© The Author(s). European University Institute.

-	4	_
-	4	-

85/170:	Jean JASKOLD GABSZEWICZ Paolo GARELLA .	Subjective Price Search and Price Competition
85/173:	Berc RUSTEM Kumaraswamy VELUPILLAI	On Rationalizing Expectations
85/178:	Dwight M. JAFFEE	Term Structure Intermediation by Depository Institutions
85/179:	Gerd WEINRICH	Price and Wage Dynamics in a Simple Macroeconomic Model with Stochastic Rationing
85/180:	Domenico Mario NUTI	Economic Planning in Market Economies: Scope, Instruments, Institutions
85/181:	Will BARTLETT	Enterprise Investment and Public Consumption in a Self-Managed Economy
85/186:	Will BARTLETT Gerd WEINRICH	Instability and Indexation in a Labour- Managed Economy - A General Equilibrium Quantity Rationing Approach
85/187:	Jesper JESPERSEN	Some Reflexions on the Longer Term Con- sequences of a Mounting Public Debt
85/188:	Jean JASKOLD GABSZEWICZ Paolo GARELLA	Scattered Sellers and Ill-Informed Buyers: A Model of Price Dispersion
85/194:	Domenico Mario NUTI	The Share Economy: Plausibility and Viability of Weitzman's Model
85/195:	Pierre DEHEZ Jean-Paul FITOUSSI	Wage Indexation and Macroeconomic Fluctuations
85/196:	Werner HILDENBRAND	A Problem in Demand Aggregation: Per Capita Demand as a Function of Per Capita Expenditure
85/198:	Will BARTLETT Milica UVALIC	Bibliography on Labour-Managed Firms and Employee Participation
85/200:	Domenico Mario NUTI	Hidden and Repressed Inflation in Soviet- Type Economies: Definitions, Measurements and Stabilisation
85/201:	Ernesto SCREPANTI	A Model of the Political-Economic Cycle in Centrally Planned Economies
86/206:	Volker DEVILLE	Bibliography on The European Monetary System and the European Currency Unit.

86/212: Emil CLAASSEN Melvyn KRAUS Budget Deficits and the Exchange Rate

Spare copies of these working papers can be obtained from the Secretariat of the Economics Department.

The Author(s). European University Institute.



EUI Working Papers are published and distributed by the European University Institute, Florence.

Copies can be obtained free of charge -- depending on the availability of stocks -- from:

The Publications Officer

European University Institute

Badia Fiesolana

I-50016 San Domenico di Fiesole(FI)

Italy

Please use order form overleaf.

PUBLICATIONS OF THE EUROPEAN UNIVERSITY INSTITUTI

То	:The Publications Officer
	European University Institute
	Badia Fiesolana
	I-50016 San Domenico di Fiesole(FI)
	Italy
From	: Name
	Address
	Please send me the following EUI Working Paper(s):
	No.:
	Author, title:
Date	Signature:

PUBLICATIONS OF THE EUROPEAN UNIVERSITY INSTITUTE

EUI WORKING PAPERS

The European Community and the Newly Industrialized Countries *
Supranationalism Revisited - Retrospective and Prospective. The European Communities After Thirty Years *
Seasonality in Eurodollar Interest Rates
Judicial Review, Transnational and Federal: Impact on Integration
The European Monetary System: Present Situation and Future Prospects *
Massenkult und Todessymbolik in der national-sozialistischen Architektur *
The "Greens" and the "New Politics": Goodbye to the Three-Party System? *
Unilateralism or the Shadow of Confusion *
Information Processing in Futures Markets. An Essay on the Adequacy of an Abstraction *
When Workers Save and Invest: Some Kaldorian Dynamics *
A Neo-Cambridge Model of Income Distribution and Unemployment *
On Lindahl's Theory of Distribution *
Reflexive Rationalitaet des Rechts *
Substantive and Reflexive Elements in Modern Law *
Some Causes and Consequences of Social Security Expenditure Development in Western Europe, 1949-1977 *

	the state of the s
16:Ian BUDGE	Democratic Party Government: Formation and Functioning in Twenty-One Countries *
17:Hans DAALDER	Parties and Political Mobilization: An Initial Mapping *
18:Giuseppe DI PALMA	Party Government and Democratic Reproducibility: The Dilemma of New Democracies *
19:Richard S. KATZ	Party Government: A Rationalistic Conception *
20:Juerg STEINER	Decision Process and Policy Outcome: An Attempt to Conceptualize the Problem at the Cross-National Level *
21:Jens ALBER	The Emergence of Welfare Classes in West Germany: Theoretical Perspectives and Empirical Evidence *
22:Don PATINKIN	Paul A. Samuelson and Monetary Theory
23:Marcello DE CECCO	Inflation and Structural Change in the Euro-Dollar Market *
24:Marcello DE CECCO	The Vicious/Virtuous Circle Debate in the '20s and the '70s *
25:Manfred E. STREIT	Modelling, Managing and Monitoring Futures Trading: Frontiers of Analytical Inquiry *
26:Domenico Mario NUTI	Economic Crisis in Eastern Europe - Prospects and Repercussions
27:Terence C. DAINTITH	Legal Analysis of Economic Policy *
28:Frank C. CASTLES/ Peter MAIR	Left-Right Political Scales: Some Expert Judgements *
29:Karl HOHMANN	The Ability of German Political Parties to Resolve the Given Problems: the Situation in 1982 *
30:Max KAASE	The Concept of Political Culture: Its Meaning for Comparative Political

Research *

31:Klaus TOEPFER	Possibilities and Limitations of a Regional Economic Development Policy
	in the Federal Republic of Germany *
32:Ronald INGLEHART	The Changing Structure of Political Cleavages Among West European Elites and Publics *
33:Moshe LISSAK	Boundaries and Institutional Linkages Between Elites: Some Illustrations from Civil-Military Elites in Israel *
34:Jean-Paul FITOUSSI	Modern Macroeconomic Theory: An Overview *
35:Richard M. GOODWIN/ Kumaraswamy VELUPILLAI	Economic Systems and their Regulation
36:Maria MAGUIRE	The Growth of Income Maintenance Expenditure in Ireland, 1951-1979 *
37:G. LOWELL FIELD/ John HIGLEY	The States of National Elites and the Stability of Political Institutions in 81 Nations, 1950-1982
38:Dietrich HERZOG	New Protest Elites in the Political System of West Berlin: The Eclipse of Consensus? *
39:Edward O. LAUMANN/ David KNOKE	A Framework for Concatenated Event Analysis
40:Gwen MOOR/ Richard D.ALBA	Class and Prestige Origins in the American Elite
41:Peter MAIR	Issue-Dimensions and Party Strategies in the Irish republic 1948-1981:The Evidence of Manifestos
42:Joseph H.H. WEILER	Israel and the Creation of a Palestine State. The Art of the Impossible and the Possible *
43:Franz Urban PAPPI	Boundary Specification and Structural Models of Elite Systems: Social Circles Revisited
44:Thomas GAWRON/	7un Implementation was
Ralf ROGOWSKI	Zur Implementation von Gerichtsurteilen. Hypothesen zu den Wirkungsbedingungen von Entscheidungen

des Bundesverfassungsgerichts *

the state of the s	
45:Alexis PAULY/ René DIEDERICH	Migrant Workers and Civil Liberties *
46:Alessandra VENTURINI	Is the Bargaining Theory Still an Effective Framework of Analysis for Strike Patterns in Europe? *
47:Richard A. GOODWIN	Schumpeter: The Man I Knew
48:J.P. FITOUSSI/ Daniel SZPIRO	Politique de l'Emploi et Réduction de la Durée du Travail*
49:Bruno DE WITTE	Retour à Costa. La Primauté du Droit Communautaire à la Lumière du Droit International*
50: Massimo A. BENEDETTELLI	Eguaglianza e Libera Circolazione dei Lavoratori: Principio di Eguaglianza Divieti di Discriminazione nella Giurisprudenza Comunitaria in Materia di Diritti di Mobilità Territoriale e Professionale dei Lavoratori
51:Gunther TEUBNER	Corporate Responsability as a Problem of Company Constitution
52:Erich SCHANZE	Potentials and Limits of Economic Analysis: The Constitution of the Fir
53:Maurizio COTTA	Career and Recruitment Patterns of Italian Legislators. A Contribution o the Understanding of a Polarized System *
54:Mattei DOGAN	How to become a Cabinet Minister in Italy: Unwritten Rules of the Political Game *
55:Mariano BAENA DEL ALCAZAR/ Narciso PIZARRO	The Structure of the Spanish Power Elite 1939-1979 *
56:Berc RUSTEM/ Kumaraswamy VELUPILLAI	Preferences in Policy Optimization an Optimal Economic Policy *
57:Giorgio FREDDI	Bureaucratic Rationalities and the Prospect for Party Government *
Carlotte Committee Committ	

The Sanctions Problem: International

and European Perspectives *

59:Christopher Hill/

James MAYALL

60:Jean-Paul FITOUSSI	Adjusting to Competitive Depression. The Case of the Reduction in Working Time
61:Philippe LEFORT	Idéologie et Morale Bourgeoise de la Famille dans le <u>Ménager de Paris</u> et l <u>Second Libro di Famiglia</u> , de L.B. Alberti *
62:Peter BROCKMEIER	Die Dichter und das Kritisieren
63:Hans-Martin PAWLOWSKI	Law and Social Conflict
64:Marcello DE CECCO	Italian Monetary Policy in the 1980s
65:Gianpaolo ROSSINI	Intraindustry Trade in Two Areas: Son Aspects of Trade Within and Outside a Custom Union
66:Wolfgang GEBAUER	Euromarkets and Monetary Control: The Deutschemark Case
67:Gerd WEINRICH	On the Theory of Effective Demand under Stochastic Rationing
68:Saul ESTRIN/ Derek C. JONES	The Effects of Worker Participation upon Productivity in French Producer Cooperatives *
69:Berc RUSTEM Kumaraswamy VELUPILLAI	On the Formalization of Political Preferences: A Contribution to the Frischian Scheme *
70:Werner MAIHOFER	Politique et Morale
71:Samuel COHN	Five Centuries of Dying in Siena: Comparison with Southern France *
72:Wolfgang GEBAUER	Inflation and Interest: the Fisher Theorem Revisited
73:Patrick NERHOT	Rationalism and the Modern State *

Practice *

Overview *

Democratic Theory and Neo-Corporatist

Eastern Hard Currency Debt 1970-83. An

74:Philippe SCHMITTER

75: Sheila A. CHAPMAN

76:Richard GRIFFITHS	Economic Reconstruction Policy in the Netherlands and its International Consequences, May 1945 - March 1951
77:Scott NEWTON	The 1949 Sterling Crisis and British Policy towards European Integration *
78:Giorgio FODOR	Why did Europe need a Marshall Plan in 1947?

79:Philippe MIOCHE The Origins of the Monnet Plan: How a Transistory Experiment answered to Deep-Rooted Needs

80:Werner ABELTSHAUSER The Economic Policy of Ludwig Erhard *
81:Helge PHARO The Domestic and International

81:Helge PHARO The Domestic and Internationa Implications of Norwegian Reconstruction *

82:Heiner R. ADAMSEN Investitionspolitik in der
Bundesrepublik Deutschland 1949-1951 *

83:Jean BOUVIER Le Plan Monnet et l'Economie Française 1947-1952 *

84:Mariuccia SALVATI Industrial and Economic Policy in the Italian Reconstruction *

85:William DIEBOLD, Jr. Trade and Payments in Western
Europe in Historical Perspective:
A Personal View By an Interested
Party

86:Frances LYNCH French Reconstruction in a European Context

87:Gunther TEUBNER Verrechtlichung. Begriffe, Merkmale, Grenzen, Auswege *

88:Maria SPINEDI Les Crimes Internationaux de l'Etat
dans les Travaux de Codification de la
Responsabilité des Etats Entrepris par
les Nations Unies *

89:Jelle VISSER Dimensions of Union Growth in Postwar Western Europe*

90:Will BARTLETT Unemployment, Migration and Industrialization in Yugoslavia, 1958-1982

91:Wolfgang GEBAUER	Kondratieff's Long Waves
92:Elisabeth DE GHELLINCK/ Paul A. GEROSKI/ Alexis JACQUEMIN	Inter-Industry and Inter-Temporal Variations in the Effect of Trade on Industry Performance
93:Gunther TEUBNER/ Helmut WILLKE	Kontext und Autonomie. Gesellschaftliche Selbststeuerung durch Reflexives Recht *
94:Wolfgang STREECK/ Philippe C. SCHMITTER	Community, Market, State- and Associations. The Prospective Contribution of Interest Governance to Social Order *
95:Nigel GRIFFIN	"Virtue Versus Letters": The Society of Jesus 1550-1580 and the Export of an Idea
96:Andreas KUNZ	Arbeitsbeziehungen und Arbeitskonflikte im oeffentlichen Sektor. Deutschland und Grossbritannien im Vergleich 1914-1924
97:Wolfgang STREECK	Neo-Corporatist Industrial Relations and the Economic Crisis in West Germany *
98:Simon A. HORNER	The Isle of Man and the Channel Islands - A Study of their Status under Constitutional, International and European Law
99:Daniel ROCHE	Le Monde des Ombres *
84/100:Gunther TEUBNER	After Legal Instrumentalism? *
84/101:Patrick NERHOT	Contribution aux Débats sur le Droit Subjectif et le Droit Objectif comme Sources du Droit *
84/102:Jelle VISSER	The Position of Central Confederations in the National Union Movements
84/103:Marcello DE CECCO	The International Debt Problem in the Inter-War Period*

Sociology in Germany and Austria 1918-1945. The Emigration of the Social Sciences and its Consequences. The

84/104:M. Rainer LEPSIUS

	Development of Sociology in Germany after the Second World War, 1945-1967
84/105:Derek JONES	The Economic Performances of Producer Cooperations within Command Economies: Evidence for the Case of Poland *
84/106:Philippe C. SCHMITTER	Neo-Corporatism and the State *
84/107:Marcos BUSER	Der Einfluss der Wirtschaftsverbaende auf Gesetzgebungsprozesse und das Vollzugswesen im Bereich des Umweltschutzes*
84/108:Frans van WAARDEN	Bureaucracy around the State:Varieties of Collective Self-Regulation in the Dutch Dairy Industry
84/109:Ruggero RANIERI	The Italian Iron and Steel Industry and European Integration
84/110:Peter FARAGO	Nachfragemacht und die kollektiven Reaktionen der Nahrungsmittelindustrie
84/111:Jean-Paul FITOUSSI/ Kumuraswamy VELUPILLAI	A Non-Linear Model of Fluctuations in Output in a Mixed Economy *
84/112:Anna Elisabetta GALEOTTI	Individualism and Political Theory
84/113:Domenico Mario NUTI	Mergers and Disequilibrium in Labour- Managed Economies *
84/114:Saul ESTRIN/Jan SVEJNAR	Explanations of Earnings in Yugoslavia: The Capital and Labor Schools Compared
84/115:Alan CAWSON/John BALLARD	A Bibliography of Corporatism
84/116:Reinhard JOHN	On the Weak Axiom of Revealed Preference Without Demand Continuity Assumptions
84/117:Richard T.GRIFFITHS/ Frances F.B.LYNCH	The FRITALUX/FINEBEL Negotiations 1949/1950
84/118:Pierre DEHEZ	Monopolistic Equilibrium and Involuntary Unemployment *
84/119:Domenico Mario NUTI	Economic and Financial Evaluation of Investment Projects; General Principles and E.C. Procedures

84/120:Marcello DE CECCO	Monetary Theory and Roman History
84/121:Marcello DE CECCO	International and Transnational Financial Relations
84/122:Marcello DE CECCO	Modes of Financial Development: American Banking Dynamics and World Financial Crises
84/123:Lionello F. PUNZO/ Kumuraswamy VELUPILLAI	Multisectoral Models and Joint Production
84/124:John FARQUHARSON	The Management of Agriculture and Food Supplies in Germany, 1944-47
84/125:Ian HARDEN/Norman LEWIS	De-Legalisation in Britain in the 1980s *
84/126:John CABLE	Employee Participation and Firm Performance. A Prisoners' Dilemma Framework
84/127:Jesper JESPERSEN	Financial Model Building and Financial Multipliers of the Danish Economy
84/128:Ugo PAGANO	Welfare, Productivity and Self- Management *
84/129:Maureen CAIN	Beyond Informal Justice
85/130:Otfried HOEFFE	Political Justice - Outline of a Philosophical Theory
85/131:Stuart J. WOOLF	Charity and Family Subsistence: Florence in the Early Nineteenth Century
85/132:Massimo MARCOLIN	The <u>Casa d'Industria</u> in Bologna during the <u>Napoleonic Period</u> : Public Relief and Subsistence Strategies *
85/133:Osvaldo RAGGIO	Strutture di parentela e controllo delle risorse in un'area di transito: la Val Fontanabuona tra Cinque e Seicento
85/134:Renzo SABBATINI	Work and Family in a Lucchese Paper- Making Village at the Beginning of the Nineteenth Century

85/135:Sabine JURATIC	Solitude féminine et travail des femmes à Paris à la fin du XVIIIème siècle
85/136: Laurence FONTAINE	Les effets déséquilibrants du

colportage sur les structures de famille et les pratiques économiques dans la vallée de l'Oisans, 18e-19e siècles

85/137:Christopher JOHNSON Artisans vs. Fabricants: Urban Protoindustrialisation and the Evolution of Work Culture in Lodève and Bédarieux, 1740-1830

85/138:Daniela LOMBARDI La demande d'assistance et les réponses des autorités urbaines face à une crise conjoncturelle: Florence 1619-1622 *

85/139:Orstrom MOLLER Financing European Integration:
The European Communities and the
Proposed European Union. *

85/140:John PINDER Economic and Social Powers of the European Union and the Member States: Subordinate or Coordinate Relationship *

85/141:Vlad CONSTANTINESCO

La Repartition des Competences
Entre l'Union et les Etats Membres
dans le Projet de Traite' Instituant
l'Union Europeenne. *

85/142:Peter BRUECKNER Foreign Affairs Power and Policy in the Draft Treaty Establishing the European Union. *

85/143:Jan DE MEYER Belgium and the Draft Treaty
Establishing the European Union. *

85/144:Per LACHMANN

The Draft Treaty Establishing the European Union:
Constitutional and Political Implications in Denmark. *

85/145:Thijmen KOOPMANS The Judicial System Envisaged in the Draft Treaty. *

85/146:John TEMPLE-LANG The Draft Treaty Establishing the European Union and the Member

	States: Ireland *
85/147:Carl Otto LENZ	The Draft Treaty Establishing the European Union: Report on the Federal Republic of Germany *
85/148:David EDWARD/ Richard MCALLISTER/ Robert LANE	The Draft Treaty establishing the European Union: Report on the United Kingdom *
85/149:Joseph J. M. VAN DER VEN	Les droits de l'Homme: leur universa- lite' en face de la diversite' des civilisations.
85/150:Ralf ROGOWSKI	Meso-Corporatism and Labour Conflict Resolution *
85/151:Jacques GENTON	Problemes Constituionnels et Politiques poses en France par une eventuelle ratification et mise en oeuvre du projet de Traite d'Union Europeenne *
85/152:Marjanne de KWAASTENIET	Education as a verzuiling phenomenon Public and independent education in the Nederlands*
85/153:Gianfranco PASQUINO and Luciano BARDI	The Institutions and the Process of Decision-Making in the Draft Treaty *
85/154:Joseph WEILER and James MODRALL	The Creation of the Union and Its Relation to the EC Treaties *
85/155:François DUCHENE	Beyond the first C.A.P.
85/156:Domenico Mario NUTI	Political and Economic Fluctuations in the Socialist System
85/157:Gianfranco POGGI	Niklas Luhmann on the Welfare State and its Law
85/158:Christophe DEISSENBERG	On the Determination of Macroeconomic Policies with Robust Outcome
85/159:Pier Paolo D'ATTORRE	ERP Aid and the Problems of Productivity in Italy during the 1950s
85/160:Hans-Georg DEGGAU	Ueber einige Voraussetzungen und Folgen der Verrechtlichung
85/161:Domenico Mario NUTI	Orwell's Oligarchic Collectivism as an Economic System

85/162:will BARTLETT	Optimal Employment and Investment Policies in Self-Financed Produce Cooperatives
85/163:Terence DAINTITH	The Design and Performance of Long- term Contracts *
85/164:Roland BIEBER	The Institutions and Decision-Making Process in the Draft Treaty Establishing the European Union *
85/165:Philippe C. SCHMITTER	Speculations about the Prospective Demise of Authoritarian Regimes and its possible Consequences
85/166:Bruno P. F. WANROOIJ	The American 'Model' in the Moral Education of Fascist Italy *
85/167:Th. E. ABELTSHAUSER/ Joern PIPKORN	Zur Entwicklung des Europaeischen Gesellschafts- und Unternehmensrechts
85/168:Philippe MIOCHE	Les difficultés de la modernisation dans le cas de l'industrie française de la machine outil, 1941-1953 *
85/169:Jean GABSZEWICZ Paolo Garella	Assymetric international trade
85/170:Jean GABSZEWICZ Paolo Garella	Subjective Price Search and Price Competition
85/171:Hans-Ulrich THAMER	Work Practices of French Joiners and Cabinet-Makers in the Eighteenth Century:*
85/172:Elfriede REGELSBERGER Philippe DE SCHOUTHEETE Simon NUTFALL, Geoffrey EDWARDS	The External Relations of European Political Cooperation and the Future of EPC
85/173:Kumaraswany VELUPILLAI Berc RUSTEM	On rationalizing expectations
85/174:Leonardo PARRI	Political Exchange in the Italian Debate
85/175:Michela NACCI	Tra America e Russia: Viaggiatori francesi degli anni trenta *

85/176:J.LOUGHLIN	The Corsican Statut Particulier: A Response to the Problem Corse
85/177:Alain DIECKHOFF	L'Europe Politique et le Conflit Israelo-Arabe *
85/178:Dwight J. JAFFEE	Term Structure Intermediation by Depository Institutions *
85/179:Gerd WEINRICH	Price and Wage Dynamics in a Simple Macroeconomic Model with Stochastic Rationing
85/180:Domenico Mario NUTI	Economic Planning in Market Economies: Scope, Instruments, Institutions
85/181:Will BARTLETT	Enterprise Investment and Public Consumption in a Self-Managed Economy
85/182:Alain SUPIOT	Groupes de Societes et Paradigme de l'Entreprise *
85/183:Susan Senior Nello	East European Economic Relations: Cooperation Agreements at Government and Firm Level *
85/184:Wolfgang WESSELS	Alternative Strategies for Institutional Reform *
85/185:Ulrich BAELZ	Groups of Companies - the German Approach: "Unternehmen" versus "Konzern" *
85/186:Will BARTLETT and Gerd WEINRICH	Instability and Indexation in a Labour-managed Economy *
85/187:Jesper JESPERSEN	Some Reflections on the Longer Term Consequences of a Mounting Public Debt
85/188:Jean GABSZEWICZ and Paolo GARELLA	Scattered Sellers and Ill-informed Buyers: A Model for Price Dispersion
85/189:Carlo TRIGILIA	Small-firm Development, Political Subcultures and Neo-localism in Italy
85/190:Bernd MARIN	Generalized Political Exchange. Preliminary Considerations *
85/191:Patrick KENIS	Industrial Restructuring

	The Case of the Chemical Fibre Industry in Europe *
85/192:Lucia FERRANTE	La Sessualita come Ricorsa. Donne Davanti al Foro Arcivescovile di Bologna (sec. XVII) *
85/193:Federico ROMERO	Postwar Reconversion Strategies of American and Western European Labor
85/194:Domenico Mario NUTI	The Share Economy:Plausibility and Viability of Weitzman's Model
85/195:Pierre DEHEZ and Jean-Paul FITOUSSI	Wage Indexation and Macroeconomic Fluctuations
85/196:Werner HILDENBRAND	A Problem in Demand Aggregation: Per Capita Demand as a Function of Per Capita expenditure
85/197:Thomas RAISER	The Theory of Enterprise Law and the Harmonization of the Rules on the Annual Accounts and on Consolidated Accounts in the European Communities
85/198:Will BARTLETT/ Milica UVALIC	Bibliography on Labour-Managed Firms and Employee participation
85/199:Richard T. GRIFFITHS Alan S. MILWARD	The Beyen Plan and the European Political Community
85/200:Domenico Mario NUTI	Hidden and Repressed Inflation in Soviet-type Economies: Definitions, Measurements and Stabilisation
85/201:Ernesto SCREPANTI	A model of the political-economic cycle in centrally planned economies
85/202:Joseph H.H. WEILER	The Evolution of Mechanisms and Institutions for a European Foreign Policy: Reflections on the Interaction of Law and Politics
85/203:Joseph H.H. WEILER	The European Court, National Courts and References for Preliminary Rulings - The Paradox of Success: A Revisionist View of Article 177 EEC.
86/204:Bruno WANROIJ	Progress without Change The Ambiguities of Modernization in Fascist Italy

European University Institute.

The Author(s).

86/205:Antonio MUTTI, Nicolò ADDARIO, Paolo SEGATTI THE ORGANISATION OF BUSINESS INTERESTS
The Case of the Italian Textile and
Clothing Industry *

86/206:Volker DEVILLE

The European Monetary System and the European Currency Unit

86/207: Gunther TEUBNER

Gesellschaftsordnung durch Gesetzgebungslärm? Autopoietische Geschlossenheit als Problem für die Rechtssetzung

86/208:P. Nikiforos DIAMANDOUROS/ Pilar RIVILLA/ Joaquin LOPEZ NOVO/ Huri TURSAN/ Philippe C. SCHMITTER A Bibliographical Essay on Southern Europe and its recent Transition to Political Democracy

86/209: Renaud DEHOUSSE

E Pluribus Unum? Eléments de confédéralisme dans les relations extérieures des Etats fédéraux

86/210:Pauline JACKSON

Industrialisation and Reproductive Rights

86/211:

86/212:Emil CLAASSEN and Melvyn KRAUSS Budget Deficits and the Exchange Rate

86/213:Gunther TEUBNER

Autopoiese im Recht: Zum Verhältnis von Evolution und Steuerung im Rechtssystem

86/214:Albert CHILOSI

The Right to Employment Principle and Self-Market Socialism: A Historical Account and an Analytical Appraisal of some Old Ideas by Alberto Chilosi

86/215: Ruggero RANIERI

Italy and the Schuman Plan Negotiations

* : Working Paper out of print