10. Monetary Control Consultations

30 September 1980

Paper by Mr A G Courakis

Pages 43 - 66

of England commentaries sometimes stress) by sharp swings in confidence, is Kingdom,' the Covernor of the Bank of England remarked, 'we have not recently growth of the chosen aggregate is severely circumseribed, 217 money function implies that the confidence placed on any forecast rate of secure any reliable information regarding the parameters of the demand for behaviour of building societies and the housing market also play a role in considerations and other sectoral effects, such as those pertaining to the conducive to emphasis being placed on stabilizing interest rates. External the 'short-run financial markets are notably volatile' characterised (as Basic to offset... divergences from forecast, 222 such instruments of policy as are available. 221 is both half-hearted 220 and also subject to no obvious strategy in which to commit mind passages from the Radellife Report 219 the pursuit of a proximate target been able to observe a continuing stable relationship between money and incomes; 218 the failure to attain any such target strongly discounted (as 'in the United makers now know that even if the demand functions for monetary aggregates were devintions is not subject to the same uncertainty. With policy makers perusing except insofar as the model employed by other economic units in incorpreting such instability in that interest rates will need to fluctuate increasingly widely. 223 (after the hopes of the turn of the decade) an environment that brings to ...stable and steady monetary growth carries with it the risk of instrument behaved delays in scatistical information make it difficult to '...act 216 In addition however the failure of the UK authorities to while there is also the caveat that Besides, one may add, policy and hence also

West Germany

of accommodating fiscal policy. 224 US and the UX the role ascribed to monetary policy was never deemed to be that distinguish West Cermany from the other two countries considered. Unlike the monetary, rather than fiscal, policy for much of this period, were testures that price stability throughout the postwar period, and the relative emphasis on in 1967 a move towards limiting discretion occurred, it was to constrain fiscal tiers of government regarding the pursuit of price stability, employment and growth) freedom, as the Stability and Growth Act sought to ensure greater co-ordination but also the procyclical responses of the various tiers of government. invariably sixed to counteract not only the influence of purely exogenous factors (revealing marked differences in objective functions between it and the various rather different. At first sight at least the situation in Germany appears to have been From a longer run perspective, the high priority accorded Indeed until 1967 the Bundesbank's actions And when

of Federal and Länder government policies and defined precisely the adjustments in government budgets (through so-called 'cyclical reserve funds') deemed to constitute the appropriate fiscal countercyclical action in the face of fluctuations in economic activity.

by which ultimate objectives could be achieved. References to the money stock are deployed to effect 'bank-free liquidity' (i.e. bank holdings of central are in fact rather scarce before the turn of the 1970's. Instruments of policy least, emphasis on control of the money supply (however defined) as a means Policy should not, I believe, be interpreted to have implied in the 1950's at conceived as a consequence of the effect of policy on other intermediate targets respect the emphasis is on flows rather than stocks, and the money stock is expenditures through changes in availability and cost of credit. changes in the asset composition of bank portfolios that cause changes in to operate through changes in the stock of money balance, but rather through minus compulsory reserves) and thereby interest rates, credit and the demand bank money and other short-term assets that can be used to increase such holdings and of their effect on the goal variables. for money. Yer the significance that has traditionally attached to Central Bank The influence of policy on ultimate goal variables is not perceived

a determinant of expenditures. Changes in bank credit are referred to affecting monetary conditions, but also because this is a field in which the simply in quantitative terms, bank loans are normally the most important factor despite the preat effectiveness of liquidity policy in many respects... need not to exercise strict control over the money creation, of the banking system, is noted that the fact that its '...instruments have not enabled the Bundesbank renetary policy, on changes in the money stock. 225 Bundesbank can exercise the strongest influence, by means of its instruments of factors on which '...the Bundesbank... pays special attention, not only because Indeed, allibrigh some homage is paid to money stock control, at least until reminal inscrest rate with the expected yield and with expectations as to the equally estinitial, and perhaps more so, is control of interest rates for this the sole important factor in the control of apprente domand in the economy; in 1972, "in guided by the basic concept of controlling the bank's supply of credit 1973, one feels it to be incidental. 'Monetary policy in Germany', we are told future course of the value of money, 1 and hance the demand for credit, 1228 influences the calculations of borrowers /who, it is explained, compare 'the considered a disadvantage insefar as control of maney creation as such is not By the beginning of the 1970's there are sounds of regard for money Yet, significantly, it

4.

and the sultant increase in the money stock via bank liquidity, and in addition, effect on bank credit to the private sector (without further ado) continues. 228 and effect is that perceived to attach to changes in free liquid reserves and expenditures and hence ultimate goal variable, the time lag between policy action reserves, and credit conditions, while the impression that, with regard to But the analysis that follows such statements focuses entirely on free liquid of influencing non-banks demand for credit by changing the interest race level. 1227

a year observed in every phase of the cycle between the change in the liquidity pursued was no longer assured. 235 It is in this context that the stock of the actual use of this potential on the other, 2347 position of banks and hence their credit creation potential on the one hand and for liquidity policy, [namely that 'there is a general typical time lag of about unabated or even accolerated. It /thus/ became evident that the basic condition which previous experience had shown to be 'critical' credit expansion continued questionable... [25] even when the free liquid reserves had been reduced to a level adjusting short-term rates to demestic conditions a shift in emphasis from 1970 onwards Ithe basic premise of liquidity policy became increasingly bank liquidity to the monetary liabilities of the Covernment/Central bank seems to describe the empirical relationship between free liquid reserves and statements coincides (and is often referred to in connection) with the advent monetary sphere', 232 economic activity, dictated by other influences results in fluctuations in the the velocity of circulation, follow a regular pattern that may be linked both with the level of interest rates and with the cyclical-situation. 230 is, monetary movements determine economic movements or whether the course of statistical correlation between the aggregates mentioned - thether, that By their very nature regression computations do not indicate the cause of the . reaction to interest rates 231 (notice the similarity to more recent velocity of circulation are more a symptom of cyclical movements than a For while noting that regressions '...suggest that fluctuations observed in the divergences in the movement of the two aggregates, that is, fluctuations in as reflected by, say, the gross national product, 229 and eight deposits], is closely related to the course of economic activity size of the money stock, / equal to private-resident-non-bank holdings of currency Interestingly the latter is so notwithstanding awareness '...that the Rather the increasing emphasis on monetary aggregates in official rates and with a break in the stylised facts previously invoked But the shift was induced no less by the fact that 'From Spring Insofar as floating rates do permit greater freedom in Nor is there any evidence later invoked to resolve this /, in the form hitherto . and the finding !...that

> policy, 237 central bank money emerged as a policy indicator, 236 as the index performing And yet a year later, without relinquishing it seems in the eyes of the authorities its role as a policy indicator, 238 it comes to serve as the the task of '... measure of the expansive or restrictive effect of monetary that free liquid reserves were previously deemed to perform. it comes to serve as the target.

to a systematic pattern of behaviour, that is that 'the relationship of central national product and that of central bank money, 240 the extent to which such that the degree of error attaching in the Bundesbank's opinion to the function examined. In particular, the choice of single value yearly targets may suggest are to my knowledge to be found in any official statements certain aspects of could be said to possess by 'divine ordinance' or careful selection, the aggregate in preference to M1 or M2 in the first place, 243 to changes in interest rates, this being a major reason for the choice of this relationship of this aggregate to nominal GDP was thought to be not responsive is substantially free from special influences. 242 Otherwise the central bank money stock it was claimed shows a course which than the money stock and the opposite occurs in the downswing, 241 fluctuations [so that]...during an upswing the national product rises faster bank money...to the nominal gross national product is subject to procyclical is somewhat unclear granted the tendency to augment such statements by referring remarks referred even to random fluctuations in demand for this aggregate in the short-run there is no close relationship between the movement of the And though in first announcing a monetary target the Bundesbank pointed out 'that describing the demand for CBM was at least initially thought to be small. (intermediate) targets than policy in either of the two countries so far Bundesbank's policy conception and design seem more consistent with preximate approach for the treatment of a monetary aggregate as a proximate target characteristics traced above as necessary in the context of the variance In the latter context although no allusions to the variance approach 239 Thus, insofar as the the behaviour of CEX

question of selection ...the best available demand for money function 244 describe demand for CLM seems more satisfactory. In this respect the States and the United Kingdom the precise parameters recorded do depend Germany and the other two countries considered. As in the case of the United of a particular prior belief about the structure seems for Germany more other two countries, the temporal stability of the functions purporting to on the nature of the estimated relationships. Table IVa to IVd, do reveal a contrast between experience in On the other hand, unlike the 200

:

compatible with experience. But the results also reveal that from a variance approach standpoint a proximate target strategy in CEM is by the Kareken et al - Den Friedman reasoning, likely to have been inferior to a feedback rule that allows for a comparatively strong and certainly eignificant (see also χ^0_i and χ^0_i in Tables IVb and IVd) interest elasticity of demand for CEM.

Yet it is doubtful whether the Bundesbenk's strategy was (and/or is) perceived from a variance approach perspective. Certainly appeals to intellectual antecedents reveal closer kinship to our discussion of policy under uncertainty.

steady and appropriate economic growth, are transformed to fate a manetary growth target. Monetary policy uses its instruments to come as closely as it can to this target. bank. It costs the central bank a great dual of effort to make the relationships approximate to ita whats, and because it is important to know how far it has been successful in stability, employment, external equilibrium, and other central banks is following a two-stage procedur. be directly guided by it. Hence the Bundesbank, like accepted view that the actions of a central bank cannot notes, 'is so hard to fathom, according to a widely and what it ultimately causes to happen', H. Bockelmann between the money stock and the real objectives of monetary policy. 246 In spite of these difficulties a are in fact nofstotally independent in the presence of uncertainty'. In the case of the intermediate targi be raised against this two-stage projedure of monetary Stability and Growth' of 1967 with regard to price The real objectives of economic policy, as set out, The relationship between what monetary policy does both stuges, not only in the relationship between policy: '...the two stages of the monetary policy process We fully realise that in theory serious objections can so doing. An intermediate target appears to be the best means to this end. 1247 of the dictum that nothing can be done without the central expansion is not as easy as Lay be supposed on the basis customers must go along with it. Even limiting conetary cannot achieve very much on its own; the banks and their field. In principle the central bank is in a strong case can be made for formulation of an intermediate for example, in the German 'Act to Promote Economic function without its support. On the other hand it target that covers the effects of policy in the financial insuruments and money stock but also in the relationship coney stock! for instance, interest rates play a part at position here because the banks' money creation cannot In the case of the intermediate target

And in discussing "which variable best reflects the impact of monetary policy and the financial field ?" he continues

, 9:

> of such misinterpretation. If interest rates rise in target have often been charged in trusting a highly years central banks who have chosen an interest rate monetary developments it is claimed cannot be guilty monetary policy as they may only be due to changes interpreted as indicating an easing or tightening of in interest rates on the credit market cannot be unreliable compass. an economic upswing, the argument runs, the central demand for credit. A central bank which is guided by 'In the debate on monetary theory during the last few expansionary policy as long as the growth rates of the money stock continue to decline, 1249 a restrictive policy if monetary growth increases bank will not be able to construe this as implying interest rates are not indicative of a successful further at the same time. It is argued that a fall or a rise Conversely, falling

Ong. can hardly fail to be struck by the similarity to T. Savings' approach to the policy problem in a world characterized by lack of complete knowledge of the structure and information lags discussed on pages.

The emphasis on intermediate targets and two-stage procedures springing from ignorance of the precise effects of policy on ultimate goal variables is unmistakable. Momentary reflection however also unveils the statement as one that conflates intermediate targets and policy indicators. The che first half the discussion focuses firmly on intermediate targets; but when we come to 'In spite of...' we are moving to policy indicators, and in the quotation that follows we are clearly there.

William W.

subject to saifte induced by interest, mate movements (a feature for which May identification of 'the base' with 'the ideal policy indicator' this is bound to accept for all institutional structures the Brunner-Meltzer the fact that (as our discussion of policy indicators reveals) one is not 41stinguish CEM from the concept of the monetary base. the concern expressed in Bundesbank statements regarding the need to (that is intermediate targets rather than policy indicators) by noting utterances regarding 'the second stage' of the 'two stage procedure'. Here clearly ron sufficient to resolve the issue. More revealing perhaps are of 'CEX 1; a targer' being on several occasions presented as an attempt to the inference of a causal sequence from the former to the latter; the choice statishents stress a close connection between CBM and ultimate goal variables identify not only on aggregate the demand for which, unlike M; and M2, is not (or more precisely the gross national product 252) and invariably even permit the simple summation of currency plus eight plus time plus saving deposits From a narrow standpoint one may lend more emphasis to the former Yet acknowledging

could have served just as well), but also an aggregate so structured as to reflect the 'moneymess' of different kinds of deposits. 252

Since no detailed account exists of what the expected configuration of output and price developments during the year has been at the point of each yearly policy review, the extent to which the authorities have sought to pursue a proximate or intermediate target strategy cannot be ascertained simply by looking at the actual path of CDM. On the other hand the descriptive accounts of the conduct of policy since 1975, the tendency to overshoot the target in the light of errors in prediction regarding velocity or output, the periodic emphasis on external considerations, and the occasional concern with stabilizing bend rates and securing orderly conditions in security markets, 254 do reveal that the announced objectives for CEM have not comprised a target to be pursued in oblivion of other objectives or of the information forthcoming in the course of the year.

Acknowleding such features of behaviour in the years bince the introduction of CBM targets, one cannot dismiss the possibility that this reflects the challenge to prior beliefs which experience since 1974 has posed. For not only, have short-run deviations from the targeted rate of growth of CBM been acressed not to bear any relationship to movements in nominal income (and further 'that the trend of a few months must not be overrated', 255) but also even over longer intervals (over the cycle) experience has not conformed to the relationship originally perceived by the Bundesbank to hold between real and nominal income and the stock of CBM. As the Fresident of the Bundesbank remarked in lace 1977, 'what has proved difficult is to correctly forecast the velocity of money or its rate of turnover. Our present economic recovery is not following a normal cyclical pattern and this probably expirins why the velocity of money has not culte conformed to historic cyclical patturns'. 256

As the results presented above suggest the lack of conformity to 'historic cyclical' patterns must to some extent be due to lack of conformity of nominal interest rates to historic cyclical patterns and the tendency of the Bundesbank to underplay the influence of such variables on the relationship of money to income. 257 Yet besides will systematic influences there have also been, it appears, other factors effecting the relationship in specific periods. Certainly in deciding on policy at my given point the Bundesbank has continuously sought to establish the nature of the disturbance thus listing over the years a wide menu of factors accounting for unanticipated decreases (or more precisely, for the failure of anticipated increases to materialise) in the rate, of southard CNP to CEM;

business activity, 260 to lags in response of expansionary policy. Correspondingly one notes increasing emphasis on 'explaining the reasons hold more cash, and the increase in cash payments in the 'grey areas' of disproportionately steep increase in income of pensioners who traditionally holdings of Deutsche Mark notes outside the Federal Republic /plus/ the explanations that have ranged from 'errors in seasonal adjustments';2. proved particularly difficult to gauge the extent to which the available money acknowledgements both to the effect that '...when setting the target it UK, as well as the abandonment in December 1978 of the single valued in operating procedures analogous to that traced de facto for the US and the stock could be used, 262 and that '...the target range attests that policy has quarter target range of 6-9 per cent for the growth of CDM, launched with year on year average, target in favour of average of last quarter to last for divergencies from the target', a feature that reflects a flexibility to adapt itself to changing conditions both at home ... and vis à vis the resi precautionary motives' increasing the currency component, 259 to 'growing

5

nature of the policymakers knowledge of his environment and correspondingly. . already set and declared. Rather experience since the introduction of publicly information furthers the attainment of the monetary aggregate objectives real and Cinancial markets or from clearer evidence on characteristics of and of greater awareness of longer run aspects of policy in conceptions of policy then sticking to any predetermined posture' complexities of actual conjuncture /is deemed to/ sllov a better selection of do not detract from a position where "... Judicious assessment of the into the one that does) can be said to be consistent with the spirit of information the grey area in which the outcome that does not call for policy revision melts hence perceptions of policy that (provided we recognise the impressionistic inter the implications of current developments for ultimate goal variables and information rendered continuously by the environment except incofar as such particular path of the monetary aggregates thus derived in disregard of the the attainment of ultimate objectives and then proceed to pursue the deemed (on the information available at that point in time) consistent with policymakers who pariedically decide on the growth of monetary aggregates the behaviour of the authorities been such as to fit the description of: behaviour. Furthermore it will appear that in none of the three countries has does not suggest that these derive from perceptions of relative stability of the responsibilities of the mometary authorities our preceeding discussion feedback strategies and intermediate turget/policy indicator settings, but as such While permitting the inference of greater attention on monetary aggregates, monetary targets suggests a setting in which policy makers seek to 264

Why then monetary targets ? What is the mature of the pledge ?

Policy Anticipations and the Choice of Police

described was seen to depend on information lags of random disturbances, on and of the 'publicly announced' aspect of recent policies. and uncertainty owe much of their existence to such consideration. Yet publicly unnounced targets, emerging as they do in a period of in Maticu agents perception of policy and on the way policy may impinge on the actuature lack of knowledge of the structure, but not, explicitly at lace, 260 on private Nothing has so far been said of the public's perception of the environment The policy problem

> how the policy maker will respond to shocks, is a relatively old position that though many offen face. 267 be followed by (or more generally the role that should be assigned to) the dispute, is the implications of such behaviour for the choice of strategy to that, though many often forget, perception of the aims of policy, of the policy regime, of anticipations of That policy outcomes would not in general be independent of the public's few would deny. What is a matter of current

environment. The second, as in our discussion of policy under uncertainty, which private agents hold a particular (stochastic) perception of the distinguish between two circumstances. The first relates to a situation in exploit whatever information they have 268 affords no such unique (and exhaustive) prior belief. Starting from the '... presumably unobjectionable idea that people fully it is pertinent I believe to

stress the durability of a particular prior heldef, wanvisage a - cicuacion predictions of the relevant economic theory, 269 output does not depend on the parameters of the feedback rule for the soney real magnitudes, it follows that monetary policy - being perfectly predictable, any action by them is fully anticipated. If furthermore we assume that to any given eventuality can be accurately inferred by the public so that the authorities are assumed to hold a particular prior belief about the course incorporates the response functions of the authorities. And when conditional on the process generating those outcomes. 270 The latter of they are informed predictions of future events, are essentially the same as the the structure entitles us to reason, following J. Muth that expectations, since effect the probability distribution of real output. 271. the path of the exogenous variables in the system, their precise response structure and to be endowed with the same information as the public about goal functive/ incorporates a target value for the price level. 273 and as all other phenomena, rationally processed in its implications - cannot the relevant economic theory' reveals that monetary policy cannot effect which people's expectations are identical to the corresponding expectations In the former case the assumption of a particular prior perception about 'a definite rule emerges only When we assume that the authority's and hence, provided that we The 'distribution of

"surprise', or (if they embody no such elements) (b) when over the 'relevant actions matter only to the extent that (a) they embody non-systematic elements, In rers of output (and employment) therefore, the monetary authority's money is not neutral. Furthermore as "...there is no way that the

•

constary authority can base a countercyclical monetary policy on.../Eurprise/, since there is no way /it/ can regularly choose /the random term that constitutes the surprise/ in response to the state of economic affairs in order to offset other disturbances in the system, 275 no output gains are to be had from discretionary (surprise) policy. Conversely since 'an increased variance /as distinct from systematic feedback// of money reduces the information content of observed prices and therefore makes it more difficult for individuals to respond 'appropriately' to changing patterns of relative supplies and demands ... there is an efficiency argument for making money as predictable as possible'.276

by Sargent and Wallace it seems hard to comprehend why the manetary " " authority pegs the rate of inverest period by period regardless or how are have reached the conclusions of the previous paragraph, nor the result that There is many 'a slip twixt cup' and lip'. For it is certainly not enough to appendage namely: that the cost of systematic feedback rules designed to ensure authority's goal function incorporates among its arguments the price local value varies from period to period. 1278 Indeed in a world of the kind defined conclusion that has been appended to it, namely that '...following Freedman's a steady rate of growth of the maney stock are smaller than these of any other variance of money, we may be less disposed to readily accept the yet unproved And though one can readily accept the argument against an increased ...a unique equilibrium price level does not exist [when] the monetary that we should be indificrent. percent growth rule...can be defended as the best the inthority can do. 277 the feedback rules between which the models constructed strictly suggest It should be noted that this analysis does not lead directly to the

At any rate one may (and many have) challenge(d) the assumptions heading to the conclusion that with regard to output and employment there is nothing to choose between feedback rules. Objections to neutrality - ranging from effects of expected inflation on the demand for money 279 and other assets, to Franco Modifiand's contrasts between inside and outside money, 280 to sticky prices, with wages as a prime example 281 - spring easily to mind. No less digestible seems the assumption that people's subjective expectations are identical to the corresponding objective expectations conditional on the process generating those outcomes. For even if we are willing (as our discussion of pp.

above suggests authors to be) to endow the policy maker with such a perspective, the fact that the acquisition and processing of information is not costless suggests that we should be reluctant to accept

the contention that these agents too '...form their expectations 'as if' they know the true model of the economy. 1282

Pither of these departures from the macro-rational expectations assumptions provides us with a role for monetary policy. As R. Barro and S. Fischer note, if '...the policy maker has superior information about the economy - for example he obtains information more rapidly than the public about aggregate prices and output _-then_] ...countercyclical monetary policy ... can work to move the economy toward the level of output that would be chosen under full current information _since_] policy can be designed that induces individuals to act as though they were aware of the extra information possessed by the policy maker. 283 Even in the absence of such informational asymetries, a systematic '...active monetary policy can effect the behaviour of output if there are long term contracts, 284 since by responding to shocks that occur after wages contracts have been concluded by part of the labour force it can influence the variation in output. 285

and in Hayok reflects '...the existence of a generally used medium of exchange 259 in money term: " a 'corrolary' of which in Keynes is liquidity preference, 233 information. Whether in our conception of the monetary economy we emphasize are the counterpart of costly to acquire and process or indeed incomplete contingent will not in general be independent of the characteristics of the information sets upon which contracts (or more generally decisions) are made always be able to 'exploit' some non-neutralities. It also admits that the non-neutralities have to be recognised. agents innovational responses to the operation of information and adjustment an 'uneven distribution of information' with money resulting 'from economic information will result in contracts that are conditional on particular information - signifles at least the fact that the costs of collecting and processing economy including the policy of the authorities. From a nore embracing standpoint however we may note that non-neutralities c. ve etress '...the indissoluble link between money and unknowledge, 287 Such reasoning does imply that the policy maker will in principle The existence of contracts denominated

On the other hand this feature (which even with regard to anticipated price movements implies a change in the opportunity set of the social group) has as its counterpart a perception of the environment in which the decisions of private agents cannot be said to rest on exhaustive ennumerations of all possible-alternatives. We cannot suppose the economic agent '...to have looked at every value in the logically possible range of the variable and assigned to it a degree of standing as a hypothesis in answer to his question:

What will the measurement prove to be?...a sweep of thought that can scarcely be supposed to miss out or neglect any contingency which another mind could point to or which the course of events will be able to provide 290 correspondingly, our mode of thought and our conception of the role of policy must acknowledge that economic agents base their decisions on ifregmentary evidence. 291

Whether we still choose to describe private agents decisions in terms of probabilities which are 'subjective', whether we dappend to them Bayesian perceptions, degrees of 'confidence', 293 or whether we choose to opt for a mode of thought that seeks to recognise 'incertainty over model selection', 294 'encomplete information admits that situations can arise such as run counter to judgement duly passed upon their claims to conform to the capacities of the world or even such as have never entered the economic agents mind; situations that suggest '...that the nature of things has been falaciously conceived [That] make it seem that the prevailing picture of the world is wrong in some more or less essential and radici respect. 1295

•

economic agents will interpret policy actions differently publicly announced must presume that, even with regard to prospects of common interest, counterpart of an economic organisation that delegates some of the responsibilities adjusting schedules and designing for flexibility', ' and that the policy maker should explain such divergencies as may in the receive, to use Myrdal's phrase, 296 ...full publicity and commod knowledge challenge prior beliefs policy has a role to play. It is rather a targets can contribute to consistency of plans. public of inferring what policy may be; it also implies that fewer resources has the policy response required to meet it. has not to think that the nature of things is falaciously conceived. If the event delicate role since unless the intent is clear it may itself cause people the source of the unexpected. This obviously implies that other things equal policy itself simil not be perhaps, at times when circumstances command that they are orderly revised. seconomic agents perceptions of the nature of things are preserved - and, ... have to be devoted by private agents to contingency planning to When so we may accord to policy the role of seeking to ensure that been accounted for in other economic agents prior perceptions neither time arise. Of course to do so reduces, we may say, the costs to the Again since in the absence of a unique prior belief we But unless we assume that nothing else can One senses that policy should this being after all a · Probable

It will be noticed however that inherent in this process of reasoning is the belief that the authorities have a positive role to play and that they can and do play this role. But what if circumstances prove that the role previously ascribed to them is misconceived in that either objectives previously perceived to fall within their province are beyond their control or that the pursuit of such objectives causes changes that challenge in other ways prior beliefs? Then private agents cannot rely on the authorities action to ensure the particular picture of the world previously envisaged. The result may be a different assignment, more consistent you might say with the capabilities of the body in question. But except parhaps in the transition, when that is economic agents seek to ascertain what has been due to errors in policy and what may otherwise be the nature of things, it seems unlikely that the assignment of the policy maker will be to ensure that policy itself is not the source of the unexpected.

e Mature of Public Announcements

As mentioned earlier the experience of the late 1960s and the first half of the 1970s has, in general, induced considerable reflection on the extent to which governments can be expected to deliver some of the objectives (and is particular 'full employment' in the sense of a 'sociopolitically' desirable level of employment) praviously thought to fall within their province. Furthermore inflation (now more prominent among ultimate objectives) whether in fact the outcome of the authorities earlier misconceptions regarding the implications of changes in monetary aggregates, or of rational responses by them to pressures for monetary accompodation 295, has been increasingly perceived by the public as a monetary phenomenon - a belief which however subject to qualification by the specialist cannot be treated as of no consequence by the policy maker.

From this standpoint publicly announced monetary targets denote changes in objective functions, statements of the nature of the unexpected against which policy undertakes to provide in a language that accords with (but in the process also reinforces) what the Covernor of the bank of England described as '...the laymans apparently intuitive perception of the broad relationship between monetary growth and inflation - clearer pethaps to him thant to the professional who knows all the necessary qualifications. 29

As Paul Volcker noted

Monetary targeting is first of all a useful tool of communication to the public. The relationship between money and inflation in its broader terms is readily understood. So long as the monetary

58

outbursts improves our chances of satisfactory economic results including prospects of reducing inflation 1900 announcement of the so-called growth ranges at will be crucially important over time) the of credibility(and maintainance of credibility public action that can dampen fears of new inflationary importantly on containing price expectations. Any There is no doubt that control of inflation... depends of inflation, defining at least the upside potential. authority's expression of intent has a degree minimum sets a general framework for expectations

Even more revealing perhaps is the Bundesbank's view that

in the coming year' 301 indication of the monetary course they can expect reaching decisions on costs and prices ... an activity...especially those who have to make far target is to give those involved in economic the primary aim...of specifying a monetary growth

position echoed in the Eank of England's Bulletin which notes

including, decisions effecting costs and prices - a clear indication of the course the authorities intend to pursue in the years shead; 302 economic decisions throughout the economy the intention is to give those responsible for In publicly specifying these monetary objectives

H short, one may say,

'Publicly announced monetary targets...[reflect] an effort to adopt in the world of today a sensible and comprehensible symbol of policy' 303

a rather-wide set of other informational intputs. Conversely if only when taken in conjunction with (and hence seen as conditional upon) subject to longer (and variable) lags in response to variations in monetary what they can expect 'in the coming year', as both inflation and demand are on costs and prices' monetary targets contribute little or no indication of Correspondingly from the standpoint of those making 'far reaching decisions pledge. In the first instance, and as our previous discussion reveals number of interpretations regarding the nature and eignificance of the discussion suggesting policy responses that are conditional (or at least growth, while announced desired growth rates of the money supply are pertinent to most contracts 'the upside potential' for inflation. policymakers recognise, monetary targets in no way define over the horizon interpretable into statements regarding interest rates and loan availability refer) to ultimate goals, the question arises as to wherher the announcements Such statements however raise a number of questions and permit a tergeting aims at consistency of plans, and granted our earlier

> a fashion as to achieve the verification of predictions regarding specific variables deemed to enter directly in decisions of economic agents. the coming year that combine intentions to employ policy instruments in such reveal commitments to monetary targets or descriptions of conditions during

based on inflation forecasts are more accurate than anticipations based on earlier than in the actual to 'targeted' central bank money stock not only provide direct information regarding expected inflation but are public announcements, aiming to ensure convergence of expectations of inflation Correspondingly one cannot on this evidence dismiss the possibility that acknowledge the errors in forecasting real GNP over the period announcements of the rate of growth of CBM. This is the move so when we misplaced, it does suggest that other things equal anticipations of inflation on announcements of single valued targets rather than ranges, was in any way attainment of the forecast rate of inflation, or that the emphasis implies that the announcement of monetary targets is irrelevant to the of less than one third of those in the latter. While this This is true in all four years and on average describes errors in the former smaller mean error in the actual rate of inflation to that forecast a year announced targets reveals for the period 1975 to 1978 (inclusive) a nuch Furthermore an appraisal of performance since the introduction of publicly reveals that policy announcements contain explicit inflation forecasts. also interpretted to denote a pledge regarding inflation rather than the confidence in the intent of policy regarding prices. pursuit of a monotary target beyond the stage at which the authorities believe that violation of the announced target for CBK may threaten the public's Focusing on Germany for example our discussion in section II above in no way put

actual policy, one may suggest the following description of German policy. expectations embodied in such contracts ought to be, so that '..flexible not yet intered in fixed contracts as to what the aggregate price level their calculation - aim to provide information for such sectors as have At the point of decision of target rate of growth the authorities resolve that Policy then aims (subject to all the qualiffications raised in our earlier prices can be made to adapt to the level of the oticky ones 366 forecarts - that unavoidable rate of price changes continuously stressed discussion regarding policy effects) to ensure validation of such price particular rate of inflation is implicit in contracts concluded for the On such reasoning, and in conjunction with our earlier discussion Publicly announced targets combined with explicit inflation 15

60.

expectations, and if successful in so doing would other things equal (if that is output and velocity forecasts prove to have been correct), will also result in the attainment of the 'targeted' rate of growth of CDM. The attainment of the 'target' comprises a manifestation that expectations are verified and not the absence of discrationary policy aiming at ultimate you's variables. The attainment of the 'target' constitutes an objective in itself only to the extent that continuous divergencies from forecast may who with wanting explanations of the reasons for the divergence) undermine the credibility of the simple (quantity theory) model that the Bundesbank employs in public announcements to 'reinforce' people's confidence in the inflation forecasts presented by it.

If so the Central Bank Money stock serves neither as a policy indicator nor as a target, in the sense that these have been defined in our earlier discussion. The unitary long-run elasticity to nominal CNP it exhibits is of consequence not in the context 'control-theory-policy-hydraulics' but in answer to the question of how best to convince the public that such inflation objectives as the authorities regard feasible are indeed feasible. The search for an aggregate whose relationship to nominal CNP is not subject to interest induced whifts - however irrational the composition of that aggregate may be - and the choice of single value targets are part and parcel of the same confidence 'experiment'. So are (perhaps - for one may not preclude the possibility that policymakers fall victims of their own ploys) the claims for more accurate reflection of 'moneyness' described in the weights of CBM.

* * * . .

Insofar as 'the overriding aim is...to co-ordinate the decisions of economic groups more effectively' the publicity stand of '...monetary growth [targeta] acting as a signpost...'307 has not in Germany been unsuccessful. For as H. Schlesinger notes '...experience...permits [the interency] that the formulation of this target helped to bring about a 'social consensus' among all groups, even though other factors may have contributed to this consensus' But what of the other two countries?

In the United Kingdom even more than in Germany one observes a change in the policy makers goals and objective functions. Furthermore, again, if we treat target ranges as denoting a 'mean of the range' objective, we find that over the period of publicly announced monatary targets the error in the actual to forestart rate of inflation has each year been less than the equivalent for fM, and over the three years of targets a 'ratio of the latter of of the former (as derived from the ONCO forecasts) to that of the latter of

to 1978 : 127 be said to articulate an inflation commitment, one should note that do not; and insofar as attempts through incomes policies over the period 1976 of monetary targets combines inflation forecasts, monetary target announcements effect a revision of aspirations regarding real income and of earlier of plans, to clarifying the role of policy. But they reflect not merely less than one-third. On the other hand while the authorities derivati perceptions and trends regarding income distribution, to a greater extent in the UK monetary targets combine with other economic policies in an aim to inconsistencies in overall policy design, as they also denote the fact that hately conjucted to convergence of expectations of inflation, to consistency inflation as the 'layman' is encouraged (in Bank of England statements of the these have not sought to present a consensus view between such rates of than may be said to be true of Germany and certainly, since 1977, with lesser and the wage agreements he is asked to engage in. relations 1.p between maney and prices) to infer from publicly announced targets success than in that and some other similar economics. Such discrepançies are

As regards expectations and consistency of plans however, one must also note the difference between the German single valued targets and the (wide) ranges opted for in_the winited Kingdom; ranges that - in the absence of the qualiffications regarding the relationship between money and prices known to the specialist, and, depending on the interpretation one places on the aims of policy even for the specialist - parmit a wide dispersion of forecasts of the magnitudes that impinge directly on the decisions of economic units. In this connection one perceives also differences between the United Kingdom and Germany regarding how in the light of past experience and the intent of policy pursued.

Such contrasts also become any attempt to generalise German perceptions regarding monetary targets to United States targeting and experience. If American targets are to be interpretted to comprise a devise whereby social consensus' regarding inflation can be achieved, one cannot but marvel at the conclusions to be drawn regarding economic man in different countries when reflecting on

- The American's find it necessary (desirable) to announce (stress) four quarterly revisable target ranges.
- The German's have been particularly anxious to adhere to a single walked yearly target.

i. .. /one may of course

only for purposes that permit a very wide (and otherwise vacuous) definition economic unit may draw more accurate inferences regarding a wider range of things and thus rely on different models and require different inputs of the species. States and Germany seem ameanable to treatment as creatures of the same species of a number of aggregates. on its actions from announcements that convey information of the relative paths variables (or regarding the time path of variables) that impinge directly regarding monetary aggregates. Similarly it may be argued that any given same variables (e.g. prices) hold different perceptions of the nature of that, in the gres of American policy makers, economic units focusing on the participants in labour markets, whereas the converse may be said to apply to Monetary targets seem to comprise a vital statistic for participants in British and American market participants compared financial markets in the US and the UK and relatively less so for For both the US and the UK one may note the thunder and smoke Interestingly this also appears to reliect on attitudes of But in either event monetary targets in the United to those in Cermany.

with considerable success, on output and employment rainer than prices. Of greater stability of financial markets has ensued from monetary targets upper bounds) have often jereated; and correspondingly one may wonder whether that deviations of actual growth rates from their ranges (particularly course there is nothing in the dicter relating to monetary targets that errors in inflation forecasts have been larger than the corresponding errors two (or in indeed all other major industrial) countries. has carried there a much lower priority, among withmate goals than in the other But on another plain the US also contrasts with the UK as inflation, one finds, policy in yeteryears can be drawn from cross-country comparisons during the that few generalisations other than of a kind that may have been drawn for compels a particular goal function. (first phase ? of the) era of monetary targets For the US the focus with regard to ultimate objectives has been, Yet all in all our discussion suggests For the US the

> THE CURTAIN WITH THE GHOSTS OF THE PAST

> > 62

concluded that: Almost a century and three-quarters ago, the Bullion Committee (of 1810)

always adjusted the right proportion of circulating modium in a country to the wants of trade. 1309 not enable any man or set of men to adjust and keep of the Country combined with the profound science in all the Principles of Money and Circulation would The most detailed knowledge of the actual trade

which would have been to lay upon the Federal Reserve the duty of using all the wisdom of a proposed amendment to the Federal Reserve Act, the effect of Strong's position is summed up in the following excerpt: by some automatic method, by some magic mathematical formula. 311 in general', 310 the powers at its disposal to 'promote a stable price level for commodities Committee of the United States Congress on Stabilization appointed to examine the Federal Reserve System has the power to raise or lower the price-level In 1927 Governor Strong and other Witnesses testifying before the expressed considerable doubts towards the idea that

when there are fluctuations of prices which cannot be of performing, I am afraid that disappointment will come which appears to represent to the people that the expressions is contained in the Federal Reserve Act such as the mood of the people. Therefore, if any complete or anything like complete regulation of the within that limitation can the operations of the exert an influence upon the price-level, and only upon the cost of that credit. volume of credit employed by the country and is capable of exerting an influence upon the 'I believe that administration of credit such controlled within the strict limitations that I have described, '312 price-level than the limited control of credit is capable Federal Reserve System can do more in stabilizing the price-level because there are many other things for the volume of credit and its cost will fail to achieve will be times when even the power to somewhat regulate Federal Reserve System influence prices. But there limitation with the volume and the cost of credit beyond the influence of the volume and cost of credit. is afforded by the Federal Reserve System, Within the

sympathy with some of the doubts than he had had a few years before'he reasoned: Commenting on this position in 1930, Keynes found himself to 'have more Eut

2

eupply.

current savings. If we take this as our criterion, many of and the cost of new investment were equal to the volume of general terms what he ought to do to preserve stability. 1313 Governor Strong's perplexities will become much less interest was equal to the natural-rate; and both the value would of According to my own definition 'sound credit conditions' Credit Cycle; ... formidable. We could, I think, in each case tell him in course be those in which the market rate of

parenthetical reference to 'in general terms' stabilization policy had clearly begun so suddenly that it is impossible to counteract them in time investment', as, for example, when 'non-monetary causes of instability ... arise always lie within the power of the banking system to control the rate of limitations' were recognized by Keynes on' ... whether in practice it does ...an interval should elapse before stability is restored, 314 And though in the paragraphs following (as perhaps in the quoted above), 'cert. 13 [and hence] the era of

The shift in ethos was eloquently presented in the 1931 Macmillan Report 315

and independence which are the nation's most valuable importance that the new policy, while truly promoting never before of a defirite national policy in our financial dispositions. 316 evolution... We must now choose our path deliberately a stage when an era of conscious and deliberate manusal political and social institutions we may well have reached The lesson for experiencef ... is that in the case of our asseta. for the people of this country, should not, in its and consciously. liberty by securing better conditions of life there is an age-long conflict. Between liberty and government', the Committee noted for interference, deprive them of their initiative In other words we stand in need as It is of vital

research 314 Thus it was reasoned: the latter wein the report stressed the importance of economic but did not expect it to deliver the philosopher's stone.

•

currency and credit is essentially an art and not a science! 318 society that such methods of control as may exist human control /as indeed the distrubances due to scientific rules by the mere application of which as is and will remain true, there exist no simple should be marked out and put into practice, even if monetary factors are/ '... if /economic_fluctuations/ are even partly under such control can be exercised. for the betterment of humanity and the stability of /, it is of the utmost importance The management of

well know, shifted to one in which the ability of the monetary authorities to influence the level of demand was thought to be very limited. And so By 1936 Keynes' position on the role of monetary policy had, as we

'...it seems unlikely that the influence of banking policy on the rate of interest will be sufficient by itself to maintain an optimum rate of investment.'319

power for the common weal, sought to devise rules to limit the exercise of rules, the rule proposed was that the central bank be required to engage Committee of the United States Congress mentioned above was favoured by The General Theory there appeared Henry Simons' discretionary power by the monetary authority. Thus in the same years as monetary instruments; and wary of the capacity of mortal men to wield such prices moved outside a specified narrow range. Simons and Mintz. monetary policy. Others, however, did not share Keynes' views on the limitations of market purchases and sales of securities whenever a broad index of 320 A rule to deliver the objective sought by the 1927 Significantly, for it pre-empts more recent feedback Rules versus discretion in

of money...and a rule expressed in terms of price andex. 322 discretion allowed to the monetary authorities. the ability of the market to disseminate information and on the monerary policy was that of accommodating fiscal policy, so also, at the was the answer to all evils but within that frame the role ascribed to some Key estans orthodoxy hardened to a position in which demand management Friedman, 'vacillated between favoring a rule expressed in terms of the quantity significance of monetary changes differently sought to harness the opposite end of the spectrum, Simons and Mintz, however, did consider other rules. those disposed to interpret the evidence on Thus, in. 1959, Friedman Simons, to quote And, just as for

.. /'The granting

'The granting of wide and important responsibilities that are neither limited by clearly defined rules for guiding policy, nor subject to test by external criteria of performence is a serious defect of our present monetary arrangements. It remares monetary policy a perential source of uncertainty and instability. It also gives greater power to the men in charge for good or ill, greater 'flexibility' to meet the problems a they arise, to use the phrase that the kneetice System likes to emphasize. [Yet]...experience suggests that eliminating the dangers of instability and meertainty in policy is far more urgent than preserving flexibility.'323

Hence the recommendation to:

'Instruct the System to use its open market powers/
to produce a 4% per year rate of growth in.../currency
and commencial bank deposits of the public/..., to keep
the rate of growth as steady as it can week by week
and month by month and to introduce no seasonal adjustment
movement of the money stock.'324

again when a range of objectives replaces a single objective, when differences goals besides a reduction in the variance of prices or the rate of change in although the objectives of the mometary authorities have encomprised other conceptually more akin to the experience described in this parer; in that the rule, when in each partiuclar circumstance jucgement is, and has to be, currently available information are unmistakably contemporary. prices, the emphasis on the latter and the element of feedback iron affords a great deal of room to (and policy resembles much of) yesterday's characteristics of our economy, the brave new-world of (feedback) rules particular recommendation is so subject to uncertainty regarding the exercised so as to distinguish a particular manifestation from other apparently in time perspectives are recognised, when revisions of proximate targets are importance of money have had. similar events recorded in the past, no less when our appraisal of any Art of Central Banking. Yet Friedman's rule has not had the impact that his trachings on that The Simons-Mintz favourity is in some ways But then

To be sure policy makers have not been immune to experience nor to the strides that economic analysis has made. Looking back they may not object to the view of the Radcliffe Committee: 325

That the authorities...have to regard the introctore of interest rates rather than the money supply as the centrepiece of the monetary mechanism, [which] does not mean that the money supply is unimportant but that its control is incidental to interest rate policy. 1326

But they will also take heed, when in yesteryears others failed, of the Committee's view that:

'The authorities should not aim at complete stability of interest rates, but should take a view as to what the long-term economic situation demands and be prepared by all the means in their power to influence markets in the required direction.'327

As we have seen, the latter has not implied that they are oblivious to the short-run; for they '...pay attention to the short-term as well as to the long-term situation'. 328 But whatever the perception of trade-offs there is now emphasis on the need to provide information of the centent of policy; there is strong awareness that, in the words of the Macmillan Committee:

to be merely temporary or seasonal may cause undue alarm and may have a seriously unfovourable psychological reaction on business confidence. 329

fact for which, what same Committee reasoned,

the part of the authorities to wassred a diffusion of knowledge as to the relevant facts. 330

In a world where failure to predict events or even to explain them satisfactorily with benefit of hindsight is not the exception, even this is quite a taul order. But, though in so doing, economic analysis is involuable we may also bear in mind Edgeworth's remarks of long ago:

'The theorist must not pretend to visdom, if he knows so little what he is about as to mistake his abstract formulae for rules immediately applicable to practice.'331