

#15. IV. 37

See transcription

Dear Maynard

Many thanks for your letter and interesting
notes. So far as I am concerned the matter shall not end
here; I shall try to develop my ideas for a form suitable
for consideration publication in the light of your reaction.

In spite of what you say, I still think that my book
concerns the trade cycle; nay, more, I hold, subject to further
criticism, that it contains the essence or germ of the theory of the
trade cycle. This arises out of the fact that saving is periodically
a function of the amount of income and investment & its rate
of growth. Now so long as there is anything in the nature of
acceleration, all sorts of combinations of relation and multiplier
values are possible. But as soon as there is any sign of de-
acceleration investment must sink down towards zero. That is the peculiar
and essential nature of the slump. Prima facie, in a cursory
examination of economic phenomena, we should expect irregularities
of growth of all sorts, the pace sometimes getting hotter and sometimes
calmer, in accordance with variations, changes of taste, of thriftiness etc.
What is striking and seems at first all out of proportion is the
& calamitous nature of the slump. The amount of recession seems
out of all accord with such changes as may be occurring in
"fundamental conditions". It is this that has led people to talk of
the vicious spiral of monetary ^{psychological depression, etc.} deflation. Now I believe that the
secret of this unexpected, disproportionate movement depends on
this un-symmetrical relation between the Relation and the Multiplier
that I have explained. It is always possible to accelerate, but it
is not possible to de-
accelerate without starting again from the zero
line. I was talking to Colin Clark the other day and he held that
from the statistical point of view it was not at all unreasonable
to suppose that investment is fairly close to zero in the slump.

2 your algebraic formulation is extremely helpful.

$$y = \frac{100}{MR-1}$$

y is a function of the rate of expectation. $MR = f(\epsilon)$ where ϵ is expectation. Consumption or fully distributed income under expectation.

y goes because of change in expectation. This means that price changes sufficient to reduce R .

I quite agree that steady growth is not to be expected in the boom. M may be expected to decline and y to grow; if R happens to be growing at the same time, the growth of y is pro tanto less.

The growth of y is ultimately limited by the availability of other factors of production. A collapse in y must occur yet it cannot occur without a growth in MR . Take R as constant for the moment. Some growth of M is required. Yet so long as consumption is increasing, by some psychological law, no growth in M is likely to occur. A new equilibrium can only be found with $y=0$ and M infinite (i.e. zero saving).

But that's what I want. Let the rate of interest R or consumption to that when y is R falls.

The only hope is that when y begins to decline, we should engineer a sufficient growth of R . Suppose y to fall from 2 to 1. Let R_0 = relation previous to change. What must R_1 be after the change? According to me:

$$2R_0 = \frac{1}{M_0} \quad (\text{assuming } M_1 = M_0, \text{ i.e. multiplier unchanged})$$

That is the problem of the trade cycle. How to secure such a large increase in R at the end of the boom, that some increase of consumption may be maintained.

But R will stop falling. It is when R is expected to rise that the boom begins.

I don't think why you make out that these matters are of long period interest. It seems to me clear that it is the problem of the trade cycle. Certain hints were thrown out in the chapter of your formal theory. But your treatment was merely fragmentary for lack of a theory as to what governs the volume of investment.

It is the problem of steady growth for itself.

You think I am wrong in making investment a function of current growth only. Granted. Suppose only half were formed

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by current growth, the rest of long period planning. The theory is substantially intact. It remains true that the growth of consumption cannot slow down without producing a great recession; but in this case the recession would not have to be such as to reduce savings to half their usual level.

Personally I believe that for the greater part of investment rests on an immediate prospect of an increase of demand. People do not build new factories for use some years hence nor houses that will remain untenanted. Why should they? Buy in increase equipment at the last feasible moment to save interest. Moreover if you try looking more than a year or so ahead everything becomes so violently uncertain.

4. I quite appreciate that R may be modified by changes in consumption. But I doubt whether the ^{price} elasticity of demand for broad types of goods, ^{embracing} respectively more and less capital is very great. Elasticity is only great, when substitution is easy. But the goods substituted are likely to contain the same amount of capital as those for which they are substituted. I don't deny that there is some in some point.

5. I agree that steady growth and full employment do not provide the same criterion. As between them I do not favour steady growth. On the contrary I say that several times that, starting with the slump, it to damp growth down to what could be steadily maintained would involve perpetuating existing unemployment, which would be intolerable. What I do say is that once revival has got going, another slump can only be prevented by a severe doctoring of R and that it is essential to maintain some increase of consumption.

6. The reason why I call the focus which make prices to fluctuate stabilisers, it is that I want to bring level-of-output theory into relation with the system of cost and utility equations on which the orthodox general theory has - in a way rightly-reposed. The level of output ought from a price

to depend on the desire for goods, for leisure etc. In the broad economy it would so rest. Now that in a growing and capitalist society the level of output depends on the interaction of the Relation and the Multiplier, what has happened to these fundamental forces? What has happened to the utility functions? They are still there, I say. But they are overcome by price fluctuations. The factors having eyes to bargain in money, their natural inclination to relate their work to certain fundamental desires is counteracted by the fluctuation of prices. The amount by which prices have to fluctuate to secure given changes of output measures the force of the stabilizing forces. The static system of equations, including the money equation, provides a field of neutral equilibrium within which output may fluctuate in accordance with the laws of growth.

Well, ever so many thanks. I am sorry that the original text was so ~~also~~ obscure

JS
Roy.