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Fall 1964

A Course in Monetary Theory

Hyman P. Minsky Ph.D.

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A. Course in Monetary Theory 7211 1. Sept 25: del no meeting 2. Oct 2. 1. Sketch of Counce 2. Discussion of reading I. In hiduction. A. Rostriction of m netary analysis to an Enterprise Economy. 9-0. Weel he and he menutify I wealth C. Kemarks on Analytical Institutionalian IL Elementary Keynsien + Classical System. I noture of Keynsian mostel dish tomized no true of Classical Aspesek demand dominen wo S, I intendationships Labor market diminance

Johnson: Mostary Theory and Voling.

I. The Classical Dichotomy and he Mentality

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A. Interaction of Movetary and Value Theory

B. The Newholety and Non-Newholety young.

IT The Demand for Movey and the

Velocity of Crealstian.

A. De elepements in Liquidity Preference

Theory

C. The Distinguishing Characteristics of

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Research on the Demand for

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III. The Lupply of Money, Monetary Central
and Monetary Dynamics.

A. The Supply of Money

B. Monetary Control of A Denstrial Immee

C. Monetary Dynamics

IF Monetary Policy

A Objectives and Instrumental Role of

Monetary Policy

B. The Effectiveness of Monetary Policy

C. De Idequary of he Tooks of

Monetary Policy

The Conclude, Remarks

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I Expert you have brught:

& genley + Shaw

L. The Hate of Monetary Economis

on moreday plenmence Will spenilize in his in 203 2 supposes

a starting plane in this course. May want to look at a harbork such as Achiery to repeat your newery as to he various weeks "models" - especially he Keysian & he Classical models and he is knowledge between here models.

I In hoduction.

There's always a styring that hugers

but a problem of martany themy is

how does he fact had an enterprise economy uses money affect its behavior. A number of lavets of this statement of the protlem

require further examination. The dimensions of the economies technical has centered the term many back to be made precise. It add the their statement of the protlem vertices our aftertion to the khair of an enterprise elonomy:

and his steptished was in fact set he have of reference for our analysis.

A. Restriction of Monetary Analysis to an Enterprise Euromy.

The distinguishing attributes of an enterprise economy are not hat decisions are decentralized and that maket determined variables are parameter for Individual decisions. As the house-honer analysisy Socialism has show, an evening without the private ornerly of produced means of production con he band up un deven traleged docisions on but he individual decision unit con either he heally is to cordered to base hein decisions upon he same 1-1. + w whility meximi 2 stan vales hat pesumably funde densing in an enterprise economy,

a plan, he dominen a of martet de termined variables In decisions by veriebles hat reflect Conscione guidance of he economy, is consistent with he existence of months an enterprise I his anestin. The barin factors disting wishing to an enterprise from a socialist through joing Smalist society is he privite overeship & productive wealthy and Became hornelolds mirrorchilety of and him wealth of and because in come wealth can be altoward to symmet as In come, the private ownership of wealth Implies that he nake at which wealth Changes must be consistent with he preferences of the he la up he community.

Any attempt at a premier statement 14 of he inknelshim between the rate ? accumulation and preferences of houselelle must recognize hat the sparameters de termining his relationship can be vijfed. Drume distribution is an obrins de terminent I have much would be saved at verying In vine, in terest rate pairs: and minue perameters. The counterry of accommodation soles with preferences of individual unit Therefor does not therefore preclude planning that it does do is set out her conditions the bothick he plan must conform. Swiding and en terprice economy may te a more difficult and subtle tanks have justing a month going deriched comony

There are hos neurons for emplonizing he creall consistency of Hanning with an on terprise economy, One is het money is very much a pling overled part 1 emmis. Moretany policy was at least in he short men affect berneter upon which decisions undertaken for hein affect repairs he reall , my actions of he evening and bother they are do have a short and he he true of her effect in Aten almost monetary plugo The planning effect to but its is in uncurs, not pupurie. Monetary policy has allows himsel and distributive refluences as herrarior as friend foling: he only question is hat we may in fact te I know out of heir hatme became I he nothery of menetary plenamena.

Another reason for empranging he produce contests to menting or printing with an Enterprise evening is hat he impart of money and muetany changes depends upon he province and potos by which money apput decisions. Then processes and peters are dependent upon he finincial institutions had exist and heir behavior. Vinencial Institutions and usages are about to a great extent de kimind by I as and John are guisted by repulcting a knows. Thus the dimensions of planning and juding in an enterprise earning milide he definition the belanord rules for menetary variables

B Westh and the Ownership of Westh.

First fact is mat the production process

uses "physical espital"! that is there exists stocky

items which will yield valuable dervices in he

buture. The term capital covers a multiple of

items! durable foods must yield sheams of

services our time, one that inventory's "with

services our time, one that inventory's "with

production process, combamer foods inventores of

items produced discontinions by and he valuable

skills of humans

John and human control hates

prent valued which reflects he value of he Services key are expected capable of producing and a discount rate Somey there present values aspear as private manhetable wealth, other productive capacity offers as private west to which cannot be alremated for it owner and still other come of mine producing capacity affect a "publically orened wealth.

Laddition private my Meetable wealth [7.1]

appears as exists became dobts of public.

Bidies are generated as a newel of

forenment for animal practice.

Existence of storts hat senerate flows. The torts are
capable of senerating flows one are extensive time period.
The flows are he sights to he production proven, but
for the flow to take place it is never any for he
capital, revealed, had in he storted to exist. The
Storte-flow interrelation is a fact of life: he
would be me given to he stort we are evidency
or and he may very to he spend meme to he
blow we are considering to secure.

monetary theny is tarnally concerned with Horas interrelations. As such all hat is submined under he headings have can't all the mentary is essential to menetary theory.

In a sophisticsted or advenued contemposise e comorny the ornarity of productive and povement dust of can be direct or Indirect: and direct ownership can enjoy Various protections due to I coul bomo. The direct ormership of privite, handferable pridactive to me wending extent commentation by a homehold takes he form in as either modern exempt owning shores or debts in cupations a other turning en terpostes as owners real property - mad in housing. In a private enterprise aprenthered somety a major from 1 private weilth Louse he bom of larm ownership - but for my prechical purposes we can intervete his into he private ormership of harming En leprises

In addition to the direct ownership

of private weeth, thouseholds can directly

our debts of pathin an minities. At any date

private transferable the human an wealth consist of

the sum of the market returns of private

productive wealth and government debts.

Indirect ourself of weelth

exists when institutions write which while
emitting their own liebilitie acquire as their
anets lisbilities of the unit, hodirect
ourself also implie layering: he
somewhip also implie layering: he
somewhip also implie layering: he
some value of assets outstanding is greate
than the value of the debt

privite weelth and puttin debts

economy not why is he mander role of a large amount of weston inspired to homeholds but here is a port favoring favorial leads to my their and proches which leads to the indirect amentips of real wealth by howeholds.

A wealth and no larger needs

our a fair a factory or he list, like of

Initition hat our he found he faiting. He

now can our ideposits that of a tree in pennin

funds and life ensurance reserves.

A modern softwheated

Chterprise economy not only exhibits

The desentalization of ownership by

mean of the certarate for hat also he

layering of financial relations by means of

financial intermedianies. A postern of

moretary theory is to determine how if at all this complex binencial layering The ermony apperts cytem behavior.

be with. In simplicity's sake we armue hat
all homein from and winiged as compactoristo hat howeld do do mit am priductive cossisty.

The existence of unnumbers capital obviously modifies he above.

The Vinencial Structure of an economy is he set of bolence theirs, the Intirelations among talance their which repeats Intirelations among talance their which repeats Is yearing - and the regions special rights

and privileges of libbilities - anets. The spendid
vights and privileges of coll by ending

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to stated lestier to each unit we associate a talone theet, he he main body I he balon a sheet he units marketable and she aboline sheet and she and sheet and I winter anets consisto j to anahip 1 nm homen walth and its remember of he lists like of the units: its and are "targette" or financial. In a closed economy, the set of books are closed in he sense hat he Trabilities I are muil are her binencial and ?

Constitution of Selson sheets are
Two or more balance sheets are
constituted when he amet and tistilities
are adisked as yit were I wint and
any standard respons both as an amendary
listility is concilled.

If only homeholds and fruit exist
then a constact thin I sel homehold and Con-

balene shuts will yield 1) No finencial assets only teny. He aret 2) No Lieb. like and for Next Work. Hene: in a cloud economy consenting only y household and firs howehold net with will be egad to he vilme I has tangitte ants -ie = non hunan ves / M.

y a premont exists Til for balance met comments why ? Libbilitie - pure lead weight debt Then he constituted must of Court dited private sector Homehold + fruis will consent of tamptle and plus he forement det ? The het with I he howhile will have be e fuel to he salve of home tayste and + Letts

A In an enterprise economy reach binimized asset represents a claim to me her pryments which can be considered as being binined by he communition to production of he tangithe and of he unit emitting he binencial and. The characteristics of the production process and he athetites of homeholds preferences systems may lead to widely differing supplies and demends for particular financial anets at peticulos tems contractual Londitins. This disepositionis situation leids & possibilitée parbitrape.

The dar should be made prense by citing specific examples and sand time. Burnis liver har jassets whith will produce a shear of earnings were as long period of time. The binancial committeent huy wieste Willing to make is to make payment were I'm penied of time. I add time fermi do have short listed assets to fineme me acquisition I have and they will make day enter who Show then finerial committee ments offerere even in this care they would be willing to enter into into lang term contacts - un less in some din endin Ing tem contact were mue verous han shot tem contacts

The eash flows "associated with a production proces can be illustrated by a modification of a the Handard cost were of e union heny. Let us assume a production proces with fixed poon to his of copital the clases unal wopedat carre function with two clames of infats later and Capital. The capital input are he service of dwalle topital jurist which for purpose of On example are owned by he birm, - and shot lifed -variable of which for purpose of our example are strictly amplementary with labor. and hence enter into the marginal cost were. Mina fixed greatity of durable Capital, ha the production

possibilities Am to he Pufirm and

given by the 150-cepital line (2)
Ko. Assuming an wayer copital cut vationar (20 both factions viriable an expansion path 0.0, is derived. In example take we armen constant returns to reache. Then he are were along a particular expension path exhibits constant returns to scale, (his is a variable labor + copital # fort The veriable cent cure along he Constant capital expansion path of hung I who like this

The difference between his A.V. C. (21)

Tre + TR is his cash flow "applicable

to he made and labor + capital

against bracel capital.

Chage: This flow ex-weehead 1260.

They eving . They as a product ? (2) Partitioning 1 Kisk:

g distributing independent Handred erms verience 3) eper protection 3) Contingent Lieb. like If a her-Investment, Don en en he ener to a patton adjustment proven Transmission Mechanism.

4. # Money + Capital Markets: Money MKT INSTRUMENTS. - Wholesale MICT

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Syden etam.

Thee but that moving is of particular where is for he perman economies with conglex financial structures leads as quite naturally to he chipertime that her proportion of mentally Many may in fact to conditional perpendicus in het Deir huth depends upm he nature of he muretary and binarcial mithitution and not on my interest properties for desentalized on the proper emony. Queny: Has he significance of miney in determining systems thaning changed with the enthating of financial enoughs
Designation of the implies of in

value for parameter in a leining model or

De new variables became " Autostinally "repulsion"

1+2 not too different - but if we bruil in term of limited # of

morey in determining typtems between for terms

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system behavior. The brain biand dimensions of

myrien tehanic are four.

A Allocation of revoluce among use

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2 has price level.

De Grown vated charge of Mertial emone plus to rate of hange of welfare sen ensteins attribute which would are the matter or that recently and lessine are two for demonstries of welfare which are not now in the constrained which is the constrained with the areas of some matriored towardent.

Discurring he dimensions of system behaviors: 1. Allowation of Resources: How is he allocates of resource officted by he whome and he behand to has morey mysty? This protein to homely examined hit in terms of the determination has detailed billy sovolo produced but in terms of the small division of current output between 6 and 5, Is he division ? some between I and C affected by he existence and me I money. This because her bry comme July feedure Con muretay play perminently transiturally a not at all affect he that I hall engerprent mine between & and I. Note had if you occupt the view and the percentage I muce invested determines he note I grown then he allowater of andere Revores governo affects to mulicule pulp: have four time horit o vices D is reductant

There is another more subtle way in which mentary phenomen may - not dray may and not will - affect he allocation of verviewes: had is by may of he effect of interest vale variations whom there is a hour of the others of the others of the other than the other of the other two investments - i.e. i wrent on the original and course, to gull future minus which are I president when is at he in had short and Ing rates. The short and my rotes: her the tro-enriched ins

Example Shott year

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Hat work 60 me to be show that

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Distribution of Income:

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O from. Domestealise Anslighted Distributionactions he natural monetary theory: through must greation what effect he asked with time have when behavior.