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Modern Monetary Economics
(Third Edition)

现代货币经济学

(第三版)

◎ 盛松成 施兵超 陈建安 著

■ 本书初版于1992年初，再版于2001年中，第三版修订于2012年秋。20余年来，作为我国第一部比较系统地研究西方货币经济理论的著作，本书一直受到金融理论界和读者的欢迎，并被多所高等院校选做本科生高年级与研究生教材。

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第一版序言

货币经济学是第二次世界大战后在货币学原理的基础上发展起来的一门新学科。我们都知道，货币学除包含货币的制度与历史之外，还包含一些理论如货币本质理论、货币机能理论、货币价值理论、货币数量理论以及汇率理论等。这些都是关于货币本身的基本理论，是很重要的。除了这些基本理论外，还有货币与经济的关系的理论未被论及，而这则更是非常重要的。

古典学派持实物经济学的观点，认为货币经济亦如实物经济，货币不过为覆盖于实物的一层面纱，对经济不起作用，因而采取“二分法”，将货币理论与经济理论截然分开。被截然分开以后的经济理论与货币理论，自然均不符合现实的货币经济的实情。魏克赛尔于19世纪末首先指出了此项错误，认为货币对经济具有积极作用，应将货币理论与经济理论融合为一，以建立一个统一的货币经济理论。凯恩斯承袭其主张，在1930年出版的《货币论》内提出货币价值的基本方程式，将魏克赛尔的货币经济理论公式化，更于1936年撰著《就业利息和货币通论》，首次建立了货币经济学的理论体系。从此，西方学者遂皆蔚然成风，相继从事于货币经济理论的探讨和发展。一些学者如 D. G. Pierce、R. Weintraub 等人还陆续写出名为《货币经济学》的著作，企图建立其独自の货币经济学理论体系。同时，一些大学也在本科三年级开设了“货币经济学”课程，并在研究生院开创了“货币经济学”研究方向。现在，我国正在实施改革开放政策，凡西方可以借鉴的皆加以借鉴。笔者认为，此项货币经济学的探讨及其内容体系的改进和发展，就是应该加以借鉴的。

为了借鉴，笔者曾遍阅20世纪60年代以来至今西方已出版的十余本货币经济学著作，深感这些著作虽无不可取之处，然其内容体系则颇不完备，以致仍然可称其为一本单纯的货币学，而未深入涉及到货币如何影响经济以及对经济发挥了哪些积极作用。笔者认为，通过货币量的增减、信用的扩缩和利率的升降，亦即通过三个货币因素（即货币、信用与利率）的变动，货币首先可以促使经济达到均衡和稳定，也可促使经济发生波动；其次，货币可以促使就业、产出和收入的增加，也可以使其减少；第三，货币可以促使经济增长，也可以

使其衰退；第四，货币可以促使国际经济平衡，也可以使其动荡。这就是货币对经济能够发挥的四大作用。这四大作用实际上就是当代一般人所谓的货币政策所应达到的四大目标，即：（1）稳定物价和经济；（2）增加就业、产出和收入；（3）促进经济增长；（4）促使国际收支平衡和汇价稳定。但货币在发挥这四大作用时，却又往往会造成通货膨胀，这是在货币经济下难以避免的一项坏作用。为了促使这四大作用的实现和此一坏作用的避免，金融当局必须采用最适宜的货币政策，因而货币经济学所应具有的重要内容，便有货币与经济均衡及经济波动，货币与就业、产出和收入，货币与经济增长，货币与国际经济，以及通货膨胀和货币政策等六项理论。然在论述此六项重要理论之前，尚必须首先将有关货币本身的四个问题即货币的定义、货币的需求、货币的供给及由货币的供求所决定的利率等问题论述清楚。这样，除上述六项理论之外，现在又增加了货币定义、货币需求、货币供给及利率等四项理论。于是，货币经济学所必须具备的体系，便不得不为下列十个理论所构成：

- （1）货币定义理论；
- （2）货币需求理论；
- （3）货币供给理论；
- （4）利率理论；
- （5）货币与经济均衡及经济波动理论；
- （6）货币与就业、产出及收入理论；
- （7）货币与经济增长理论；
- （8）货币与国际经济理论；
- （9）通货膨胀理论；
- （10）货币政策理论。

上述体系最初由笔者拟成，后与笔者前后所指导的研究生盛松成（现为我校——上海财经大学副教授）、施兵超（现为我校讲师）和陈建安（现在国家计委财政金融司工作）三位同志多次研讨，并由他们三人分工撰写：盛松成同志撰写货币定义理论、货币需求理论、货币供给理论、货币与经济增长理论等四章；施兵超同志撰写货币与经济均衡及经济波动理论，货币与就业、产出及收入理论和通货膨胀理论等三章；陈建安同志撰写利率理论和货币政策理论等二章；最后由盛松成同志于卷首增写“导论”及英文“Preface”并对全书加以总纂而成。惟货币与国际经济理论，因资料与时间的限制，暂未撰写，容后再行补入。

这样撰写完成的本书，既是一本专门著作，也适宜于用作教材。我校金融系三年级开有“货币经济学”一课，研究生部也设有“货币经济学”研究方向。本书著成后即已成为本科生的教材和研究生的主要参考书，并由盛松成、施兵超二同志共同讲授，取得了优良的教学效果。自然，由于货币经济学是一门新学科，其内容与体系均有待于改进和发展，倘蒙读者以高见相示，则盛、施、陈三位作者与笔者都是十分欢迎的。

刘絮敖

1991. 9. 28

再版前言

本书出版已有 9 年。承蒙金融理论界和读者的厚爱，它曾荣获“国家教委首届人文社会科学研究优秀成果奖二等奖”及中国人民银行总行颁发的“第三届全国高等学校金融类优秀教材二等奖”等多项奖励。同时，因各地大专院校纷纷将本书用作教材，因此，初印 8000 册早已售罄。趁这次重版的机会，我们对部分章节作了修订与补充，并在各章后分别列出若干道复习思考题，以供教师命题时参考。王维强同志对部分章节的修订提供了帮助，谨致谢意。

作者

2001 年 2 月

第三版前言

本书初版于1992年初，再版于2001年中。20余年来，作为我国第一部比较系统地研究西方货币经济理论的著作，本书始终受到金融理论界和读者的欢迎，并被多所高等院校作为本科生高年级与研究生教材，这使我们受到鼓舞，并有幸告慰刘絮敖先生在天之灵。

本书第三版，施兵超和陈建安对“利率理论”和“货币政策理论”两章作了修订。

作者
2012年9月

Preface

This book is meant to be a general introduction into monetary economics and contributed to its scientific formulation. As a branch of modern economics, monetary economics came into being by the end of the Second World War, and is the result of the development in monetary theory for more than one century. Before Wicksell, the dominant proposition of monetary theory was that monetary changes would not alter the real equilibrium of the economy-relative prices and the interest rate, and therefore would have no real influence on the employment and output, which implies that money will be “neutral” and simply act as a “veil” over the workings of the “real” economy. It is Wicksell who, for the first time in the history of economic analysis, made a challenge to the traditional separation or “classical dichotomy” (following Don Patinkin) of monetary and value theory, and set up a monetary economic theory through his analysis of cumulative process, which combined monetary theory with value theory.

Following Wicksell, many outstanding monetary theorists, among whom are Schumpeter, Keynes and Patinkin, brought about a great advance in the theory of money and the economy. What is worth mentioning is Schumpeter’s theory of “abnormal credit”, which initiated bank credit, one of the monetary factors, into the analysis of economic development, and accordingly has exerted a great influence upon the evolution of modern monetary economic theory. Nevertheless, a general system of monetary economics had not existed until the publication of Keynes’ monumental work, *The General Theory of Employment, Interest and Money*, which, I believe, formulated a theoretical framework for monetary approach, although there is no such a term as “monetary economics” in the whole book. As for Patinkin, he contributed much to monetary economic theory by integrating monetary and value theory through the introduction of real balances as a determinant of the demand for goods. Thus with Patinkin’s real balance effect, which, he claimed, would eliminate the dichotomy and

reconstitute classical theory, the demand and supply functions depend not only on relative prices but on the value of real balances as well.

Together with the mentioned theorists, many other economists have put forward their monetary economic theories, which have formed the materials of monetary economics. So far, there have come out many books titled Monetary Economics in English as well as in some other languages including Chinese, and a large number of economists in various countries have majored in the subject. Some of them have even made an effort to formulate the framework of monetary economics. Unfortunately the books have hardly satisfied readers with their frameworks and contents, which failed to make us find out the distinctive characteristics of monetary economics and the difference between this and the other branches of modern economics, especially its substantial difference from money and banking. In the opinion of some monetary theorists, among whom is Robert E. Weintraub^①, there is essentially no difference between monetary economics and money and banking.

However, it seems to me that there is the existing difference between the two subjects. Monetary economics is devoted to the relationships that are thought to exist between the monetary factors and such real economic variables as the level and change of employment, income and economic growth, and in other words, to the influence that monetary changes exert on the real economic variables, while money and banking is focused on the theories and performance in the monetary aspect of the economy. Certainly, monetary economics also deals with monetary problems, which, however, is only for the purpose of attaining its primary object just mentioned. And the same is the case with money and banking, which is involved in some matters of the real economy, though occasionally. It is this standard that I think the books, especially text books, of monetary economics should be in accordance with. Unfortunately, so far, no such a book has appeared. Therefore, it is required to reconstitute monetary economics, including its framework and contents. And it is one of our purposes in writing this book to make a contribution to the scientific formulation of monetary economics.

Now we consider issues relating to the influences that monetary changes would

^① See Robert E. Weintraub, *Introduction to Monetary Economics: Money, Banking, and Economic Activity*, Ronald Press Company, 1970, Preface. Unfortunately, at present, there is no way of my knowing whether there has been the latest edition of the book.

exert over the economy. Firstly, monetary changes may lead to economic equilibrium or disequilibrium; secondly, monetary changes would bring an increase or decrease in the rate of employment, output and national income; thirdly, monetary changes in the long run would cause economic growth or decline; and lastly, monetary changes usually have a great influence over the economic relationships with other countries, and in particular, over the situation of the balance of payments. These monetary influences make the general objectives of monetary policy-price and economic stability, minimum unemployment, maximum (stable) growth, and satisfactory balance of payments-attainable, only if the monetary authorities adopt an appropriate monetary policy.

From the above analysis, we can draw a conclusion that monetary economics should be devoted to the theories of money and economic equilibrium, money and employment, output and national income, money and economic growth, money and international economic equilibrium, money and inflation, and the theories of monetary policy. And meanwhile, as the primary knowledge for monetary analysis, the theories of definition of money, demand for and supply of money, and interest rate should be expounded in detail at the beginning of monetary economics. The framework adopted here is different from that of money and banking and other branches of economics, and reflects the distinctive characteristics of monetary economics. It is a pity that the theories of money and international economic equilibrium are not included in the present edition for lack of data, which will be added in the next edition.

Thus the first chapter shows and analysis of the theoretical definitions that have been used to identify money in modern economy, which is the “hot point” among economists, and is much concerned with the role of money and monetary policy in the workings of the macroeconomy. The emphasis is given to two of the various methods of defining money, viz. defining money as a medium of exchange and as a store of value, and we hold the view that the essence and feature of money is the medium of exchange. Chapter 2 and 3 are devoted respectively to the demand for and supply of money. In Chapter 2, the focus is put on the theories of demand for money including micro – economic foundations and macro economic analysis of the demand for money, and the empirical research for the demand for money, while in Chapter 3, the emphasis is laid on the proximate determinants of the money stock, specifically the multiple relationship between the money stock and high – powered money, i. e. , the monetary multiplier.

Chapter 4 is concerned with interest rate, mainly the level and structure of interest rates, in which many theories are involved, such as liquidity preference theory, loanable funds theory, IS—LM analysis and Patinkin's theory of equilibrium rate of interest.

After our introduction of the essential knowledge for monetary analysis, we turn to researching into the influence of monetary changes on the real economy. And therefore in Chapter 5, economic equilibrium and disequilibrium brought about by monetary changes are discussed. A monetary change may lead to economic equilibrium or disequilibrium, which aroused much interest of economists in history. Consequently there have been many theories describing the monetary impact on the equilibrium of economy and making suggestions of how to avoid disequilibrium and to maintain equilibrium, for example, Wicksell's theory of cumulative process, Hayek's theory of neutral money, and Friedman and Schwartz's theory of money and business cycle. In Chapter 5, we make a thorough description and constructive criticism of such theories.

Chapter 6 deals with monetary effect on the rate of employment, output and national income, which almost always move in the same direction. This is the most important influence of monetary changes on the real sector of the economy, because in the short run, the condition of employment, output and income usually reflects the economic situation of a country, and people are much concerned with that condition. However, there has been no agreement among economists about how and how greatly a monetary change affects the three variables. From T. R. Malthus to R. W. Clower and A. Leijonhufvud, many theorists have been involved in the case. Their theories are restated and assessed in Chapter 6.

Another influence that monetary changes exert on the real issue of the economic process is related to the growth of the economy, which did not draw much attention of economists until the mid-fifties, when J. Tobin made an attempt to insert monetary factors into theoretical discussions about economic growth^①. Thus the two decades ——the 60's and 70's witnessed the emergence and evolution of the monetary growth theory, according to which, money is not neutral not only in the short run but also in the long run, and of which there are two main approaches, i. e. the neo -

① J. Tobin, *A Dynamic Aggregative Model*, *Journal of political Economy*, April, 1995.

classical monetary growth theory and the Keynes – Wicksell monetary growth theory. Having studied the influence of monetary changes in the short run, we begin to deal with the monetary influence in the long run, and accordingly, Chapter 7 gives a sound presentation of monetary growth theory for the first time in economic publications by Chinese theorists.

Chapter 8 approaches the problems of inflation, analysing the causes and effects of inflation, and anti-inflation policy by government. In the chapter many theories are involved, such as demand-pull and cost-push approaches, the structural inflation hypothesis, the simple Phillips curve model and expectations-augmented Phillips curve models, etc. . Particular attention is given to inflation in monetary economics, because it is one of the most serious problems that face modern paper currency economy, and it does affect the economic process.

The final chapter is concerned with the issues relating to monetary policy, such as the objectives, instruments and transmission mechanism of monetary policy. The aim of monetary policy is, in the final analysis, to decrease the negative influence, and increase the positive influence, of monetary changes over the real economy. It is also the purpose of studying monetary economics. That is why the final chapter in monetary economics is the right place for discussion about monetary policy.

With a change from a “planned product economy” to a “Planned commodity economy” in China, the market forces, and accordingly the banking system, have begun to play a more important role in the economic development, which makes the monetary factors exert a greater influence on the economy. Therefore, not only in market economy countries, but also in China, a thorough understanding of the influence of monetary changes on the real economic variables is equally important, both for analysts and policymakers. However, in China, research in this field has just begun, although a great number of works on other economic problems were devoted by theorists in the past decades. Economists at home and abroad pay much attention to the real factors in the economic fluctuations and development, nevertheless, as a matter of fact, the role played by monetary factors has never been examined systematically and completely, which would be a great help to resolving some economic problems like inflation facing China at present, and achieving a satisfactory rate of economic growth. They are now the most important targets of the economic policy.

I sincerely hope that the book will be helpful, both to Chinese economists and university students, by the introduction of western monetary economics, and to the formulation of Chinese monetary economics. As mentioned above, the change of Chinese economy from a “planned product economy” to a “planned commodity economy” enables monetary changes to exert a greater influence on the economy, and therefore, enables the role played by monetary factors in the workings of Chinese economy to bear some similarities to that in a market economy. However, as the market has not fully developed, the role of monetary factors in Chinese economy is somewhat different from that in a market economy. Accordingly, for speeding up formulation of Chinese monetary economics, we should research for three objectives: first, to investigate intensively the role played by monetary factors and the influence that monetary changes exert on the real sector of the economy in China; second, to acquire a knowledge of similarities and differences between the role of monetary factors in Chinese economy and that in a fully developed market economy; and third, to recognize what can be reasonably absorbed in Chinese monetary economics from western monetary economics. I am sure that many Chinese theorists, including the authors of the book, will be engaged in such research.

December 1991

Song cheng Sheng
Shanghai University of
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目 录

1	导 论
1	一、从实物经济理论到货币经济理论的发展
9	二、关于货币经济学的体系
12	三、本书的目的
13	复习思考题
14	第一章 货币定义理论
18	第一节 佩塞克和萨文的货币定义
21	第二节 纽伦和布特尔的货币定义
24	第三节 弗里德曼与施瓦兹的货币定义
27	第四节 拉德克利夫报告中的货币定义
30	第五节 金融创新对货币定义的影响
36	复习思考题
38	第二章 货币需求理论
38	第一节 传统货币数量说
39	一、现金交易数量说
40	二、现金余额数量说
42	第二节 凯恩斯的货币需求理论
47	第三节 凯恩斯货币需求理论的发展
47	一、鲍莫尔模型
52	二、惠伦模型
55	第四节 弗里德曼的货币需求理论
63	第五节 资产选择的货币需求理论
63	一、希克斯提出了资产选择理论的基本原理

65	二、马柯维茨奠定了平均方差分析的基础
68	三、托宾集平均方差分析之大成
75	第六节 货币需求的经验研究
76	一、拉托纳的研究
78	二、布朗芬布伦纳和迈耶的研究
80	三、弗里德曼的研究
82	四、布伦纳和梅尔泽的研究
85	五、莱德勒的研究
89	复习思考题
91	第三章 货币供给理论
92	第一节 货币基数
94	一、货币基数的本质和特征
97	二、货币基数的来源和供给
99	三、为什么通货是货币基数的组成部分
101	四、为什么法定准备金是货币基数的组成部分
104	第二节 弗里德曼—施瓦兹的分析
107	第三节 卡甘的分析
108	一、决定货币存量的三个因素
109	二、各决定因素对货币存量变化率的作用
114	三、各决定因素自身变动的原因
117	第四节 乔顿的分析
118	一、货币基数
118	二、准备金比率
119	三、通货比率
120	四、定期存款比率
120	五、政府存款比率
121	六、货币乘数
123	第五节 伯尔格的分析
124	一、 M_1 的乘数 m_1
125	二、 M_2 的乘数 m_2