Workings of A Public Money System of Open Macroeconomies - Modeling the American Monetary Act Completed-

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SD Macroeconomic Modeling Series (since 2003)



Open Macroeconomic System Overview



Workings of A Public Money System of Open Macroeconomies - <u>Modeling the American Monetary Act Completed</u> -Washington D.C., USA, July 24 – 28, 2011

Books that Influenced this Research



608 pages, 4th ed. 2002



The Mythology of Money the Story of Power

724 pages, 2002

1. What is Money ?

Aristotle (384 – 322 BC)

"Money exists <u>not by nature</u> but <u>by law</u>"

Econ. Text Def. (by nature)

- Medium of Exchange
- Unit of Account
- Store of Value



Public Money (by law)

Public Money

Non-metal	Shell, Cloth (Silk)
Commodities	Woods, Stones, etc
Metal	Non-precious Metals
Coinage	Copper, Silver, Gold
Paper	Sovereign Notes
Notes	Government Notes
Intangible Numbers	
Digits	Electronic Substitutes

Money 貨幣 = 貨 (Shell) + 幣 (Silk)

Examples

• Metal Coins

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- Continental Currency bills of credit (1690)
- Greenbacks (1862)
- Dajyokan-satsu (1868) (Japan)



Public Money Saved the Nations on the brink of their Crisis !

Debt Money : Current System - Money out of Nothing (Thin Air) -

What is Debt Money ?

Money Supply

Currency Outstanding

 (Bank Notes and Coins)
 +

Bank Deposits (Credits)

Money Supply M(Japan, 2009, trillion yen)Coins4.5Bank Notes82.3Deposits410.282.5%

Who create Debt Money?

- 1. <u>Bank Notes</u> by Privately-Owned Central Bank
- 2. Credits Created by Commercial Banks (A Fractional Reserve System) Monetary Control by (and for) the Bankers

Debt Money



Public vs Debt Money (by law)

	Public Money 🗲	Debt Money
Non-metal Commodities	Shell, Cloth (Silk) Woods, Stones, etc	
Metal Coinage	Non-precious Metals Copper, Silver, Gold	
Paper Notes	Sovereign Notes Government Notes	Gold(smith) Certificates (Central) Bank Notes
Intangible Numbers		Deposits (Credits by Loan)
Digits	Electronic Substitutes	Electronic Substitutes

This Battle to Control the Money Power has raged for millennia over the same dividing line: will the money system be **privately** controlled by the few, to favor the few; or will it be **publicly** controlled by government, potentially for the common good.

- Presenting the American Monetary Act , p.6 -

2. Debt Crises As A Systemic Failure

Current Debt Money System

is <u>Not</u> Working !

- Financial Crises : 1929, 2008
- Nat'l Debt Crises: Looming Now!

File:Public debt percent GDP world map.PNG From Wikipedia, the free encyclopedia



Debt-GDP Ratio in 201033 OECD Countries66.7%World Average58.3%

Public Debt-GDP Ratio(%) of OECD Countries in 2010

59

Country	Ratio(%)	Country	Ratio(%)
Japan	196.4	Israel	77.3
Greece	144.0	Germany	74.8
Iceland	123.8	Hungary	72.1
Italy	118.1	Austria	68.6
Belgium	102.5	United Kingdom	68.1
Ireland	98.5	Netherlands	64.6
United States	96.4	Spain	63.4
France	83.5	Poland	50.5
Portugal	83.2	OECD	66.7
Canada	82.9	World	58.3

18 Countries out of **33** OECD countries > **50%** !

Debt Crisis in Japan !



Debt Crisis in US !



US National Debt and its Forecast 1970 - 2020



US National Debt and its Forecast 1970 - 2020



A Systemic Failure of Debt Money: Impasses of Defaults, Financial Meltdown and Hyper-Inflation



 3. Solutions of Debt Crisis under
A Debt Money System
of Open Macroeconomies

Mostly Equilibria in the Real Sector

Potential GDP, GDP and Aggregate Demand



Government Debt is Build in the Debt Money System



Liquidation Policies of Government Debt under A Debt Money System

Policy A: Spend Less

10% Spending Less at t=6 (line 2) (Primary Balance Ratio of 90%) **Policy B: Tax More**

Spend Less

01

Excise Tax More (5%+5%) (line 1) and 8.5% Spending Less at t=6 (line 2)



Liquidation of Government Debt under A Debt Money System



Liquidation of Debt is Costly !

GDP (real)



GDP Gap Ratio and Unemployment Rate



Wage Reduction and Inflation Rate





Foreign Recessions Contagiously Triggered

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Unemployment rate.f 0.01 0.0075 0.005 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.0025 0.005 0.005 0.0025 0.0025 0.0025 0.005 0.005 0.005 0.0025 0.005 0.005 0.005 0.005 0.0025 0.005 0.005 0.005 0.0025 0.005 0.0025 0.005 0.005 0.005 0.0025 0.005 0.005 0.005 0.005 0.0025 0.005 0.005 0.005 0.005 0.0025 0.005 0.0

A Liquidation Traps of Debt



A Systemic Failure of Debt Money



4. A Public Money System

- American Monetary Act -

Lessons from the Great Depression in 1930s

 (1) Banking Act of 1933 (Glass–Steagall Act) Separation of Depository Banks from Wall Street Investment Banks
Repealed in 1999 by Gramm-Leach-Bliley Act

(2) Chicago Plan Honry Simons &

Henry Simons & Paul Douglas (Chicago) Irving Fisher(Yale) : 100% Money Plan

- Failed to be Implemented

Chicago Plan

Irving Fisher

100% Money and the Public Debt

Professor Emeritus of Economics Yale University, 1936

As I have stated elsewhere*, I have come to believe that the plan, "properly worked out and applied, is incomparably the best proposal ever offered for speedily and permanently solving the problem of depressions; for it would remove the chief cause of both booms and depressions, namely the instability of demand deposits, tied as they are now, to bank loans." (p.8)

* 100% MONEY, Aldephi Company, NY, 1936

A Monetary Reform: Chicago Plan -> American Monetary Act

A Debt Money System - Money out of Nothing -

- 1. Privately-Owned Central Bank issues Money (Notes)
- 2. Credit Creation by Commercial Banks (A Fractional Reserve System)
- 3. Monetary Control by (and for) the Elite Bankers

A Public Money System - the American Monetary Act -

- 1. Government Issues Money (Nationalization of the Central Bank)
- 2. 100% Fractional Reserve (Abolishment of the Credit Creation)
- 3. Money as Public Utility for the Economic Growth and Public Welfare

A Public Money System 1. Government Issues Money



A Public Money System 2. 100% Required Reserve Ratio



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A Public Money System - Transactions of the Public Money Administration -



Solutions of Debt Crisis under A Public Money System of Open Macroeconomies

Liquidation of Government Debt and Debt-GDP Ratios (lines 4)



No Recessions Triggered (line 4)

GDP (real)



GDP Gap Ratio and Unemployment Rate (lines 4)



Wage Rate and Inflation (lines 4)



Foreign Recessions are Not Triggered (lines 4)







6. Public Money Policies vs Keynesian Policies

Criticism of A Public Money System:

Inflation !!!

Can we trust the Government ? May be No: Political business cycle proves it. Nuclear Meltdown (3/11/2011) was hidden for 3 months! Then

Can we trust privately-owned Central Bank ? No: History of economic crises proves it.

So, what can we trust? Gov't Policies based on SD models (full disclosure of monetary information)

(1) Public Money Policy: Recession (against GDP Gap : lines 2)



(1) Public Money Policy: Recession (GDP Gap and Unemployment Recovered without Inflation: lines 2)









(1) **Public Money Policy** (against Recession)



(2) Inflation by Mismanaging Money Supply (Price and Inflation Rate: lines 3)



(2) Inflation by Mismanaging Money Supply (GDP Gap and Unemployment: lines 3)



(2) **Public Money Policy** (against Inflation)



(3) Public Money Policy (against Intolerable Inflation: line 3) Step Down of the PMA Head



(3) Public Money Policy: Step Down (against Intolerable Inflation)



Conclusion

From a viewpoint of system design, a public money system of open macroeconomies is worth being implemented to avoid government debt, financial crisis and environmental destruction

American Monetary Act (Chicago Plan) Now being implemented as

• H.R. 6550

"National Emergency Employment Defense Act (NEED)" A Bill to the US House Committee on Financial Services by US Congressman Dannis Kucinichi, Dec. 17, 2010. (Re-introduced on Sept. 21, 2011 as <u>HR 2990</u>)

 * "Towards A Twenty-First Century Banking And Monetary System"
submitted to the Independent Commission on Banking, U.K. by PositiveMoney, the new economics foundation, and Prof. Richard Werner



We can liquidate Debt without triggering Recession, Unemployment & Inflation !

US Congressional Briefing July 26, 2011 At Capitol Hill, Washington DC

(Debt Ceiling due 8/2/2011)



H.R. 6550 (Dec. 17, 2010) "National Emergency Employment Defense Act (NEED)" A Bill to the US House Committee on Financial Services by US Congressman Dennis Kucinich,

Thank You For Your Attention!