# **Table of Contents**

List of Figures		xi
List of Tables	<u></u>	Xiii
Acknowledgements		XV
Foreword And Introduction		xvii

From Antiquity to Modern Times; Monetary Development Over 5000 Years. What Histo	ry
Explains and Comparison within New Contexts	1
The Origin of Money; From Antiquity to Modern Times	1
A Metallic System Allowing Intrinsic Measurement	
Stamping: Ingots to Coinage	2
Grounding the Guarantees ct Stamping: From an All-Metallic	
System to Paper Bills	3
The Rise and Fall of Civilizations	5
What Can We Learn from Ancient and More Modern History?	9
Questions and Answers	11
APTER 2	

CHAPTER 2	
Modern Times – Liberation and Growth of the Money Supply. The Facts Presented in Monetary Units and Resulting Regulatory Needs	13
Monetary Evolution Backed by Economic Growth	10 14
Development of a Global Financial Market Economy	15
Citizens Emerging in the Process of Financialization	20
The Realities	20
Causes Underlying Emerging Macroeconomic Realities	22
Resulting Needs for Standardization, Regulation and Supervision	23
Questions and Answers	25

CHAPTER 3	
Past and 21st-Century Money Analysis	
Defining "Today's Money"	
Money Defined by its Functionality	
The First Function: Price Setting – Money as a Measurement	
Standard-Based Source of Information	
The Second Function: A Payment and Trading Instrument	
The Third Function: A Reserve	
Links between Monetary Functions	
The Intrinsic Definition of Money	
A Trifunctional Monetary Support System	
How To Ground Trust In Money: Audited Financial Statements	
For Government and Central Banks	
Seignorage and the Privilege of Issuing and Stamping Money	
Traditional Seignorage in General	
The Modern Seignorage Privilege	
Legal Tender and Seignorage	
Evolution of Money into a Segregated Intermediation Tool 💭	
with Imprecise Frontiers	
The Modern Seignorage Privilege Legal Tender and Seignorage Evolution of Money into a Segregated Intermediation Tool with Imprecise Frontiers Linguistic Definition of the Word "Money"	
Money Today	
The Demise of Traditional Conceptual Approaches	
The Operational Scope of Money and its Use	
The Extension of Money with Disintermediation	
Direct Financing and Hedging of Risk	
Replacement of Bank Loan Financing by Securitization and the	
Impact of Pro-cyclical Effects	
The Origin of Securitization	
The Securitization Concept and Its Implementation	
Securitization Financing via Trust-Derived "Shadow Capital"	
Originating from Perirement Accounts, Direct Savings and Trade Deficits	
Guarantees on Receivables: A Securitization Multiplier	
Extending the Field of Debts and Guarantees	
Deviations from Effective Risk Control: The CDS Case	
Towards the Full Liberation of Money from Any Referential	
Guarantees and the Extension of Monetary Instruments Liberated from Unifie	d
Backing and Issuance Constraints	
Monetary Effects of Guarantees	
Shadow or Parallel Banking Systems	
Before Accounting for Any Transaction – The Sampling Topic.	

The Mix Up between Numbers and Formulae Questions and Answers

<b>CHAPTER 4</b>

The Contemporary Basis for Money Expression: Accounting Ledgers	77
Book Balances are Either Money or Potential Money	77
A Single Worldwide Language; Accounting and Financial Statements	78
The Consistency-Based Principle of Bookkeeping	78

The "Double-Posting" Principle	79
Consequences of the Basic Accounting Principles	80
Concepts and Rules to Report Exchanges and Determine the	
Image of Financial Statements	81
The Image Presented by Financial Statements Influences the	
Analysis of Economic Data and Transactional Exchanges	88
Direct Systematic Impact of Accounting Standards	91
Double-Entry Consequence	91
Value Consequence	91
Where Misleading Standards Generate Distorted Images	91
Valuation Incertitude in Accounting Standards	91
The Appraisal Spark Plug that Drives a Continued "Fair Value" Crisis	92
Monetary Aspects of Financial Statements	93
The Necessary Approach in Accounting: A Hierarchy of Dangerousness	95
Degrees of Contagion ("Interconnection")	96
The Fair Value Conceptual Mistake Contributes to	
Instability and Distrust	97
Instability and Distrust A Need for Mathematical Approaches	98
Questions and Answers	99
Questions and Answers	

The Regulation and Observation Limits Already Accepted,	
Compared with the Realities of Modern Exchanges	103
Monetary Regulation and Follow-up	103
A Retrospective Analysis of Classic Money in Operation	103
Governmental and Central Bank Monetary Operations	104
Inception, Monopolies and Measurement Aggregates as	
Classical Mechanisms for Issuing Money	104
Traditional Monetary Aggregates	105
Monetary Aggregates in Central Banks	106
Accepted Concepts that Complement Traditional Monetary	
Analysis – Limits and Evolution	107
From the Known Money Multiplier through the	
Banking System to a New Perspective	107
Traditional Regulatory Measures to Ensure Banks' Stability Limits	109
Money Issuance through Central Bank Interventions	109
The Investment Multiplier	110
Following Up on Regulating Money Issuance in a Changed	
Economic Environment. Monetary Supervision: An Ancient Question	111
The Present-Day Non-utility of Classical Aggregates	112
New Forms of Monetary Exchange	114
The Driving Role of Monetary Velocity	118
Are Central Banks Prerequisite Institutions that Should Remain	
Independent from Sovereign Authority?	120
New Policies to Stabilize the Banking System	125
The Insufficiencies of the Current System for Satisfying	
Information Needs	125
Questions and Answers	126

# **CHAPTER 6**

Redefining the Monetary System and Measurements of Monetary Flow – Towards M5 and M6	129
At the Core of the Issue: The Definition of Currency	132
The New Environment: Broadening the Definition of Currency	133
New Monetary Aggregates Define Extended Concepts of Money	135
Defining New Classes of Monetary Aggregates: M5 and M6	135
M5/M6 and their Derivatives M5'/M6': Determining Definitions and Uses	137
Segregation and Derived Aggregates: M5' and M6'	140
The Utility of M5 and M6 Aggregates	142
From a Practical Point of View, What are the Data Limitations for	
Determining the Values of New Monetary Aggregates?	142
What Information Will These New Aggregates Yield?	142
A New Aggregated Conceptual Approach Allowing Operational	
Transactions and Financial Ones to be Reconciled	143
The Resulting Breakthrough	143
Defining New Money – The Difference Between Shadow Barking Money,	
Virtual Money and the New Aggregates	145
Legal Segregation between Different Types of Money, Depending	
on Underlying Guarantees and Transferability	145
	146
Questions and Answers	146
Shadow Banking is Different from Virtual Money Questions and Answers	
APTER 7 The Monetary System	149

The Monetary System	149
International Exchanges – Interactions and Monetary Zone Coherence	149
General Framework	150
Description of the Current Operational System: Distinction	
between National and mernational Systems	151
The Current International System	152
The International Set-up	152
The International Monetary Fund	153
The Bank for International Settlements	157
The World Bank Group	158
The World Trade Organization	159
International Coordination	160
G5 to G20	160
The G20's Reasons to Exist	160
The Coordination of Goals Assigned to the G20	161
Troika	161
Micro- and Macro-prudential Surveillance Agencies' Framework	162
Coordination Issues Inside the Eurozone as Opposed to International	167
The European Stability Mechanism and the European Central Bank	167
The Banking Union	169
The Fiscal Policy Coordination Issue Compared with the USA	173
The Growing Issues of the Size of the Monetary Zones – Research for Optimum	175

The Monetary Interaction of Systems	178
General Interaction: Scale Economies Resulting from Monetary	
Integration and Political Obstacles	178
International Microeconomic Regulation Coordination Specifics	178
Transnational Realities about Financial Instruments' Markets and	
Systemic Risk Measurement	180
Handling the Social Obstacles of Monetary Unification	181
The Answer to Heterogeneity	181
Europe and the USA	182
The US Answer to Inequalities	182
The EU Answer to Inequalities	182
The General Monetary Policy on Both Sides: Reinforce Equity,	
Regulate Transparency – A Dead End	184
The Disputed Strategy: Addressing Macroeconomic Imbalances	186
Allocated Roles and Goals in the International Monetary Set-up	188
Today's International Situation and Issues	189
Questions and Answers	190
VTER 8	
That is the Conceptual Essence of Contractual Menoy	

## **CHAPTER 8**

What is the Conceptual Essence of Contractual Money,	
Constraints and Implications?	193
The Intrinsic New Conceptual Views on Money	193
Resilient Open Questions in a New Environment	196
Stability and Guarantees $\sqrt{N}$	198
Money as a Measurement Instrument: The Need for Stability	198
Money Guarantees and Trust	200
One Key Consequence of the New Set-up: The Final Trap	202
The Emergence of a New Seignorage	204
Spreading the Seignorage Rights between Chartered Financial	
Institutions Accepted to Trade Instruments and the Central Banks'	
Right to Drive Values	204
Social Roles of Money: Transferable, Reserve or Bubble? How to	
Determine Sociological Thresholds from Different Dimensions	205
Modelling the Monetary Windbag Analysis	207
A Tentative Formula: STD (Serval-Tranié-Douady)	208
Debt versus Equity Instruments: The Need for Big Data	211
Questions and Answers	211

The New Nature of Money in Electronic Times	215
New Horizons Concerning Exchanges, Time and Guarantees	216
Time: A Different Dimension	221
Social Time and Anticipation	222
Speed Efficiency, Risks and Market Switches	223
Transparency Effect and Risk of Centralization: The CCP Example	223

Money Accumulations and Interactions From Excessive Accumulation Derives Non-level Playing Fields Determining the Appropriate Amounts of Accumulation The Paradox of Availability of Money Masses as a Policy Tool for their Holders The Implosion Risk of the Money Trap Questions and Answers	224 224 226 227 227 228
Conclusion	231
Glossary	241
References	247
Selected Articles	253
List of Monetary Central Institutions and Others (International and National) with Websites Index	257 265
Selected Articles List of Monetary Central Institutions and Others (International and National) with Websites Index	