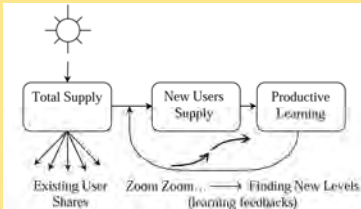


A Universal Experience - Emergence to Engagement

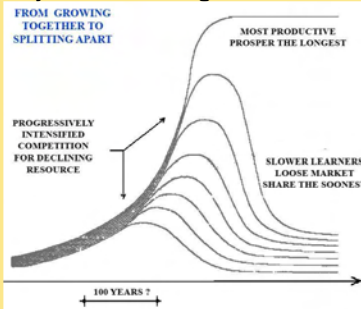
As a Development Process In an Environment

Learning to Use More of The Commons



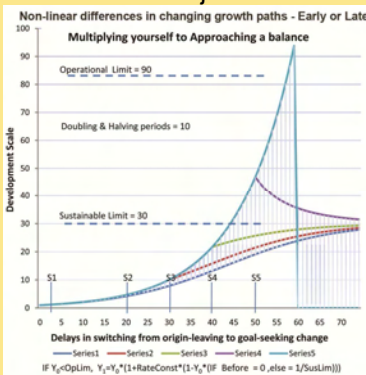
Creating More Supply = Efficiency in Depleting Resource

Before Diminishing Returns System Growing as a Whole

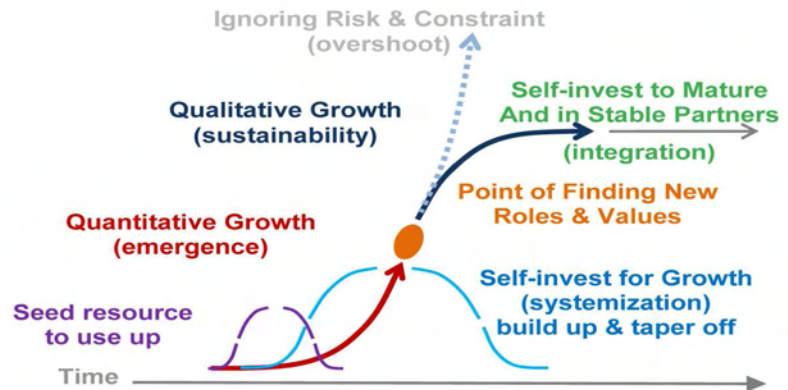


After Diminishing Returns Layers Growing Apart

Timely Response Smooth Adjustment



Delayed Response Disorderly Adjustment "Models Learning Change"



Develop from Seed to Integrating With the Whole ,, Opportunity & Risks

Internal and External Growth & Development

Quantitative - then - Qualitative

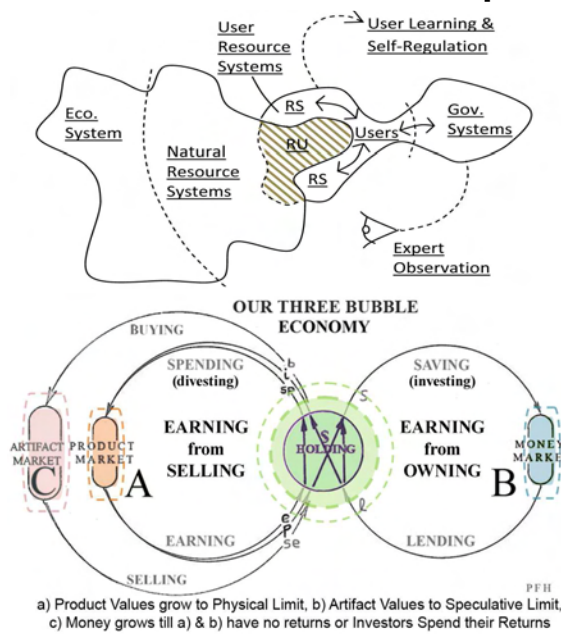
Cheaper Resources
Cascading Discovery
Growing Freedom
Increasing Control
Self-Identity
Liquidity & Surplus
Consuming Environ

Resource Balance
Learning to Explore
Maximizing Freedom
Compatibility, Integration
Self-control, Refinement
Liquidity & returns
Discovering Community

Or = Constraints
Depleting Resources
Learning Difficulty
Erupting in Conflicts
Resistance, Instability
Rules, Complication
Rigidity at Collapse
Break up in Disputes

Expansion Efficiency in Interaction Conflict

As a Cell of Relationships In an Environment



Multi-Tier Regulation after Elinor Ostrum

Stakeholder networks communicate to learn whole system responses, and assure responsible investment.

Stable Free Markets after J M Keynes

Anticipating constraint switch from investing savings to multiply savings, to spending returns on other values.

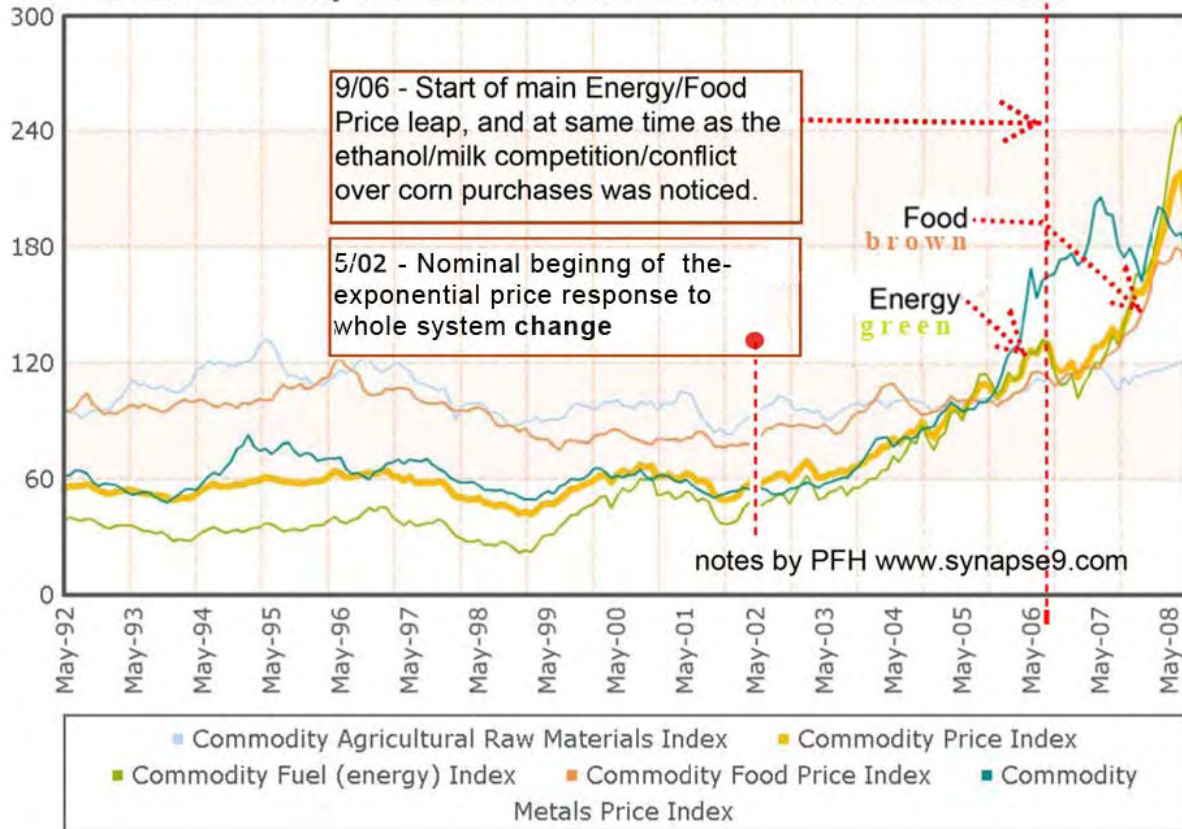
Creditor fiduciary duty in using proceeds of self-organization of others.



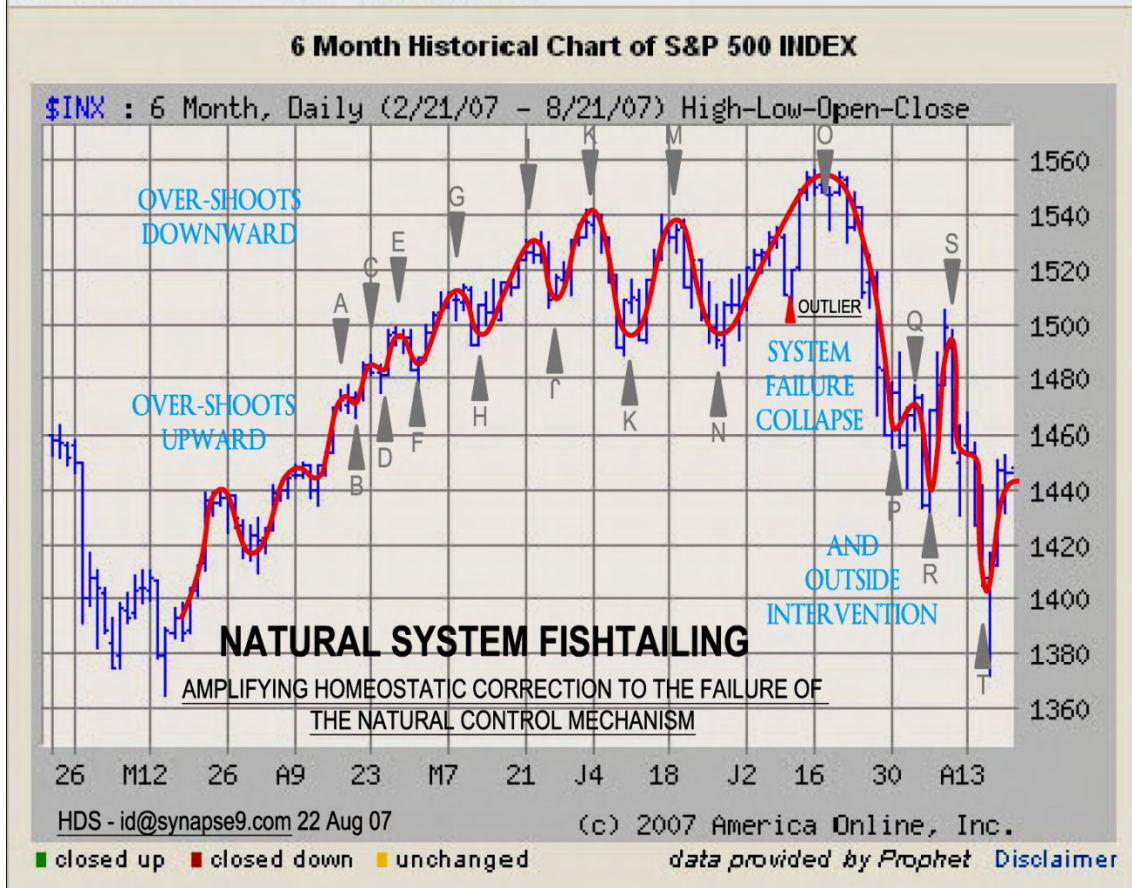
Systemic Risk - Anticipatory Forensic Methods

- Plan for the worst enough to see it coming in time.
 - Ask What regulators afraid they can't prevent.
 - 1) The economies lending themselves more money than they are able to produce or lend themselves?
 - 2) Having dependency on depleting resources drive costs to the point of widespread insolvency?
 - 3) The need to manage a global bankruptcy and a settlement between creditors for the world economy due to #1 or #2?
 - How to manage a global bankruptcy
 - 4) Gradual Bankruptcy, requiring creditors to spend earnings for targeted economic stimulus if the economy owes more than is can earn.
 - 5) Exempt earnings from or in critical sustainability investment as exempt.
 - 6) Treat assets saved from earned income as a higher class than savings from unearned income.
- Total credit = Total debt
 - Continuity tests of time-series data
 - 7) Step variance test (rule out random walk)
 - 8) Smoothing Sensitivity Test
 - 9) Derivative smoothing and Dynamic mean
 - 10) Compare smoothing independent sub-series
 - 11) Map zones of regular proportional change
 - Types of systemic collapse to look for
 - 12) Where nature doing something complex simply
 - 13) "Fishtailing" market fluctuations (like 2007 S&P)
 - 14) "Law of limitless price" as markets shift from "cost-plus pricing" to "necessity & speculative pricing"
 - 15) Diverging parts of once coordinated systems
 - 16) Changing environment character, conflict, hoarding, etc., cultural numbing to approaching dead ends.
- Find shape & location of developing systemic behavior
 - Notice nature taking over
 - 17) Idea of nature as information – a cognitive design
 - 18) Nature as cellular processes – cognitive dissonance
- Early signals of emerging systemic dysfunction
- Distinguish information from organization

Select Commodity Price Indices <http://www.indexmundi.com/commodities/>



S&P 500 INDEX (\$INX) as of 12:13 ET (CME Index Delay: 0 min.) 22 Aug 07
 Last: **1460.34** Change: **+13.22 (0.91%)**



The Ecology of Mankind - Energy Budget

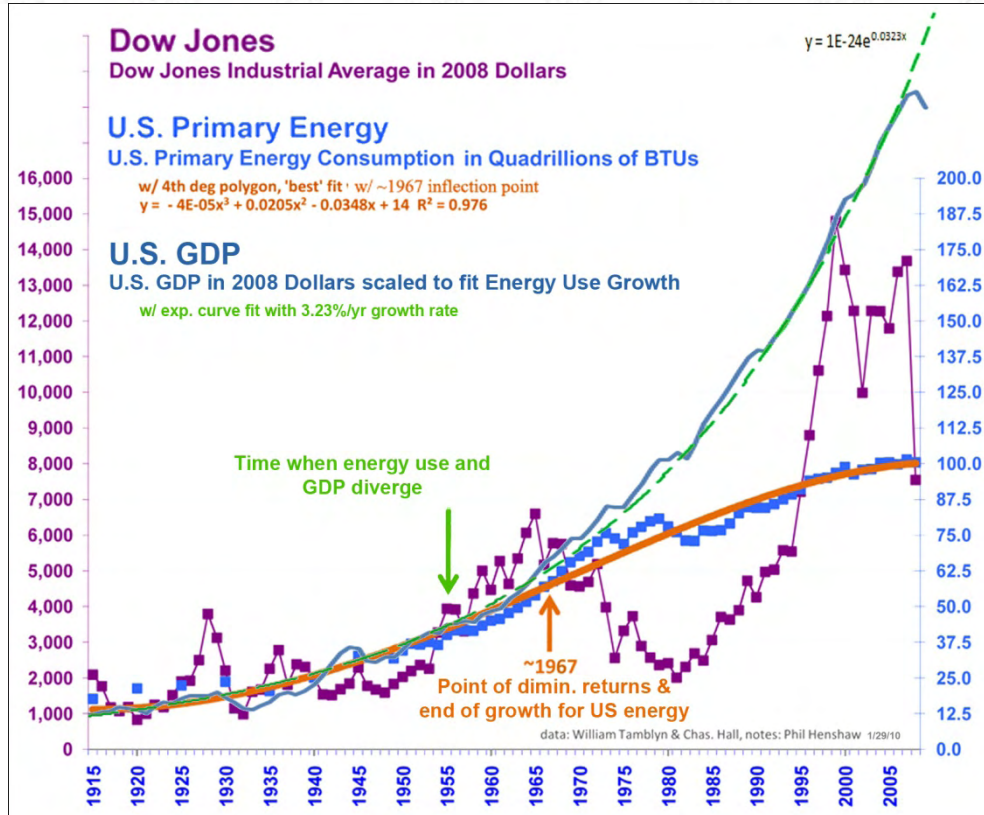
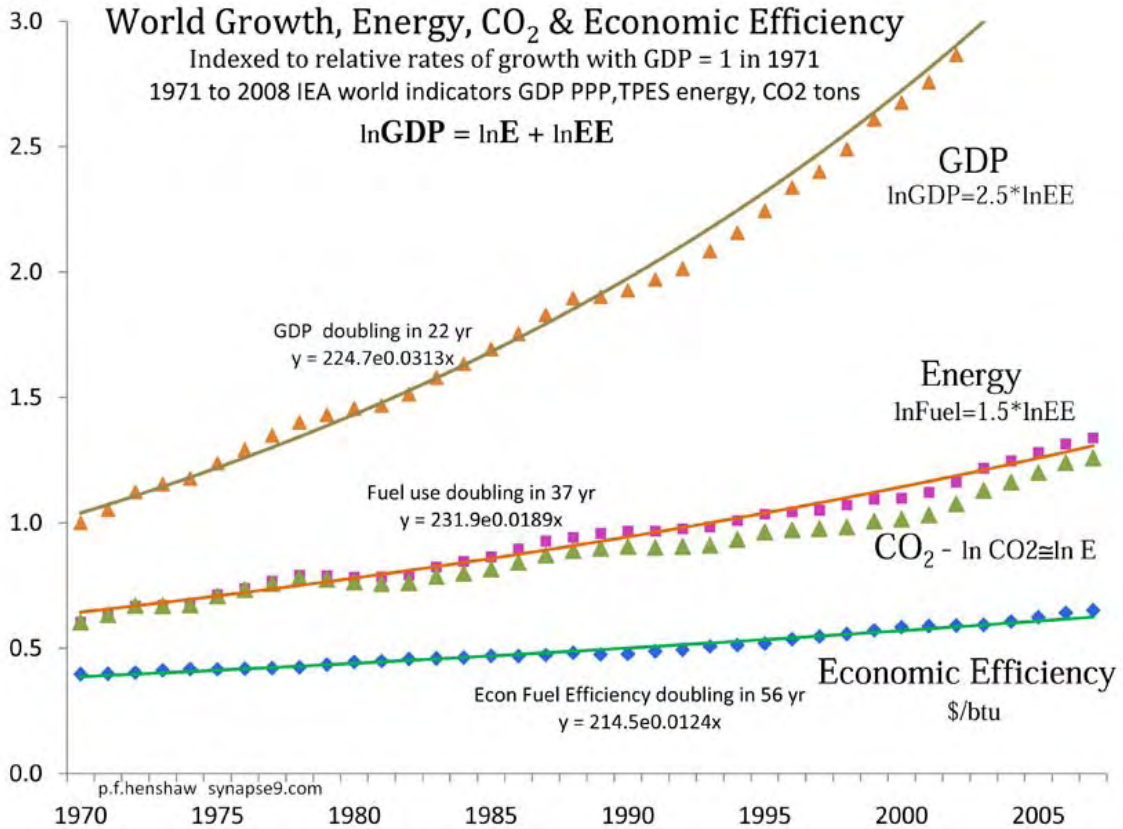
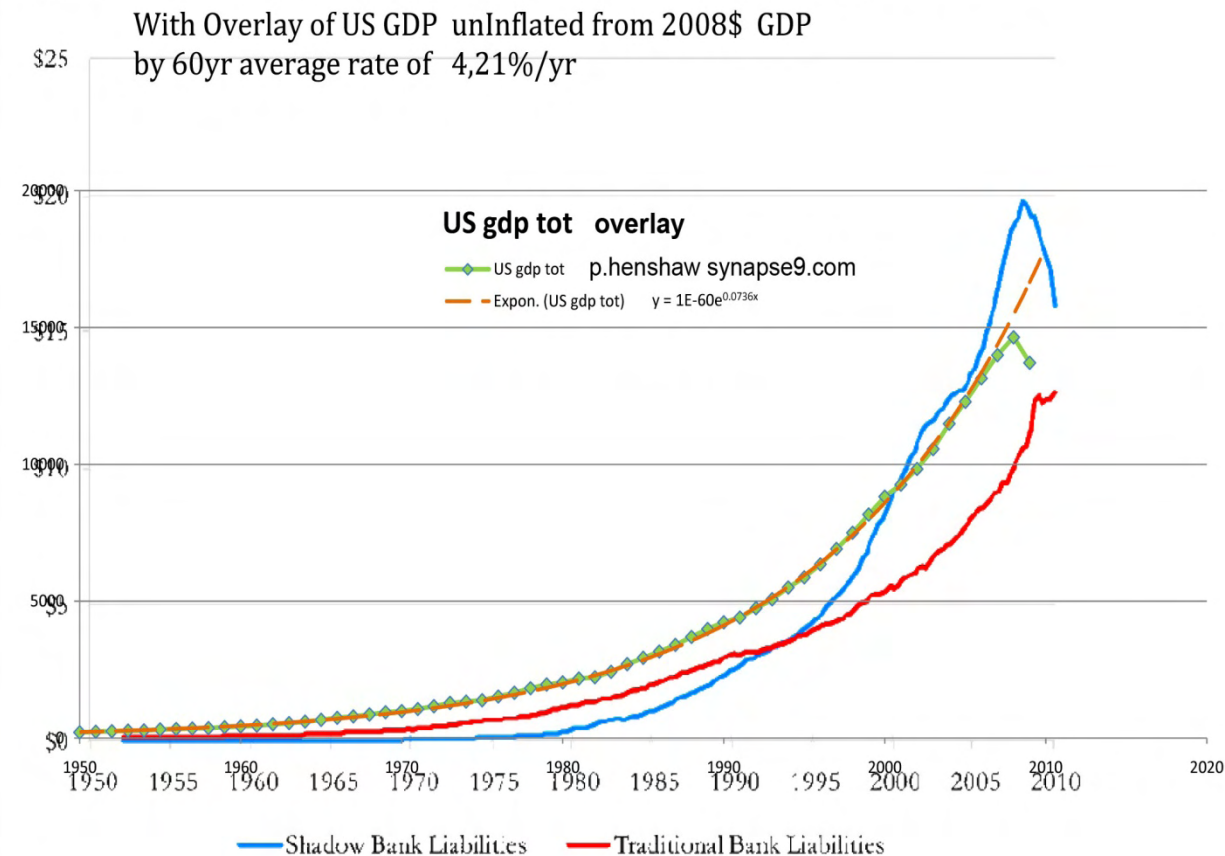
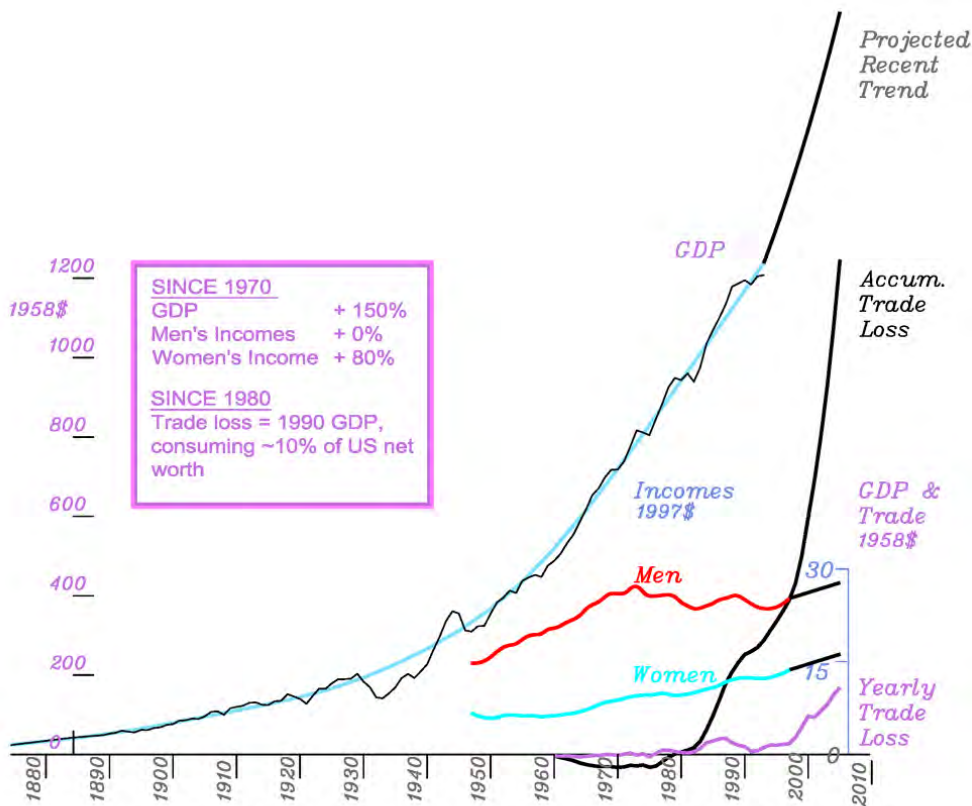


Figure 1: Shadow Bank Liabilities vs. Traditional Bank Liabilities, \$ trillion^A



Source: Flow of Funds Accounts of the United States as of 2010:Q1 (FRB) and FRBNY.



(The full history of recorded US GDP, median men's & women's incomes from 1947 and annual & accumulative trade losses from 1960, all in constant \$, dotted line trends are projected beyond the data collected) ...phil henshaw - id@synapse9.com

Ownership Is A Closed Money System

creating value expands wealth & markets, with money printed to limit inflation

Ever growing disparity between earning from selling and earning from owning sometimes stable sometimes not. Why the difference?

OUR THREE BUBBLE ECONOMY

