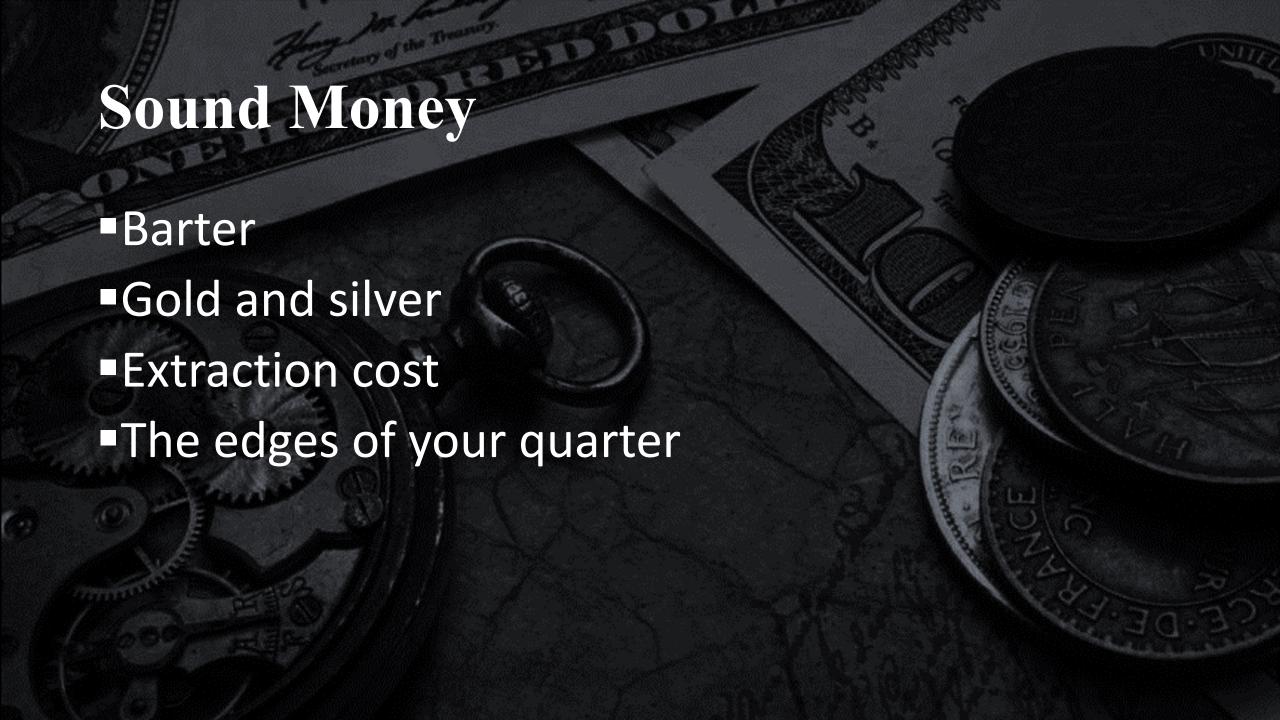
About Me

- Associate Professor @Mays
- Teach CSCE 489: Bitcoin Protocol
- Teach ACCT 489: Accounting for Digital Transactions
 - No-Code Bitcoin class
- korok@tamu.edu



Bitcoin has many innovations

- A distributed network of nodes
- •An incentive system for miners to secure an immutable ledger
- Programmable (e.g. MultiSig)
- Scarce
- Censorship resistant
- Predictable and unchangeable issuance schedule

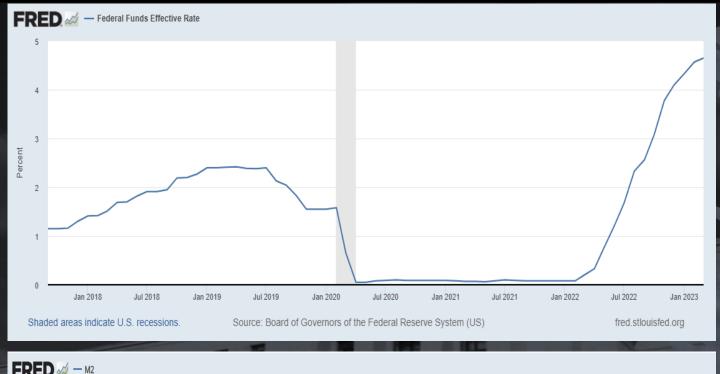


The birth of fiat money

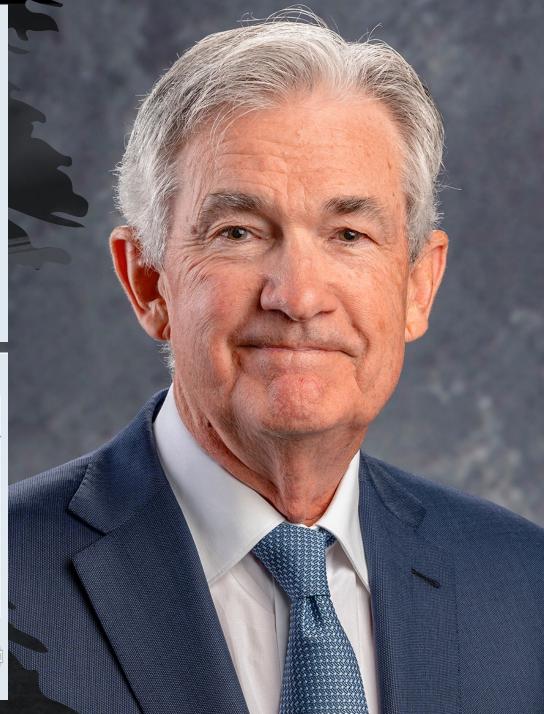
- Banks storing Gold
- Banks issuing Gold certificates
- Trading Gold certificates
- Banking Before the Civil War
- ■The Suffolk Bank in Boston
- The birth of the Federal Reserve
- The Gold standard

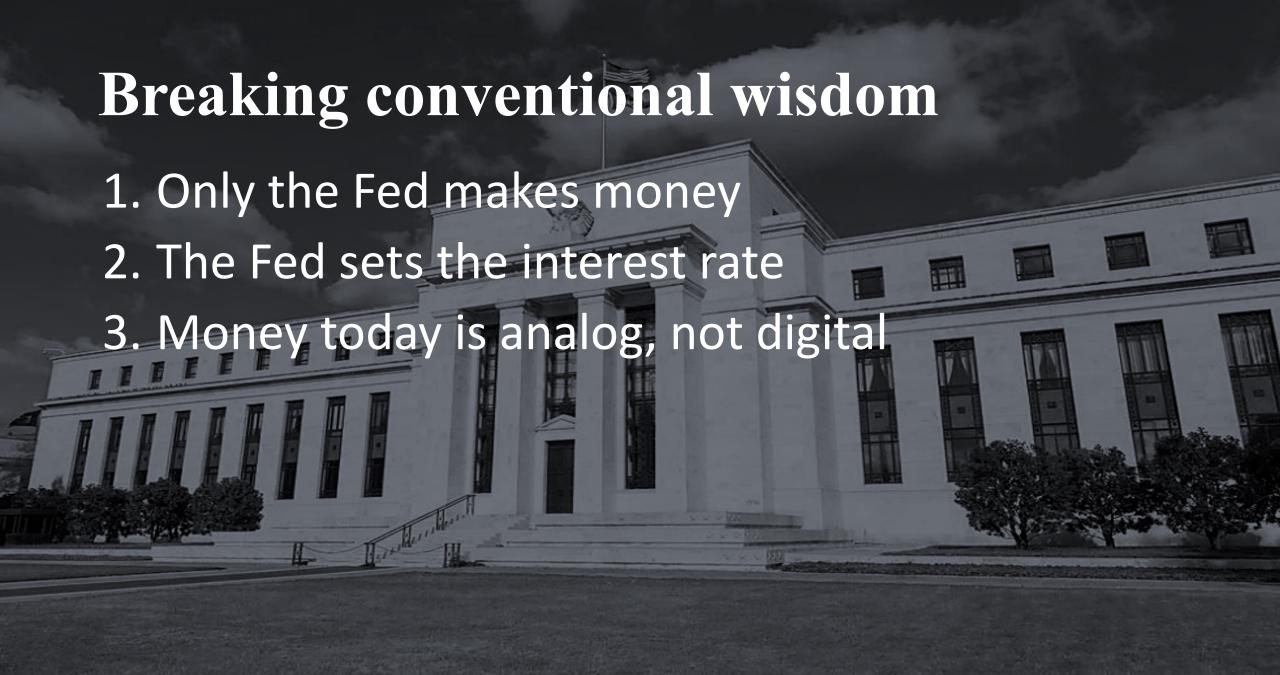


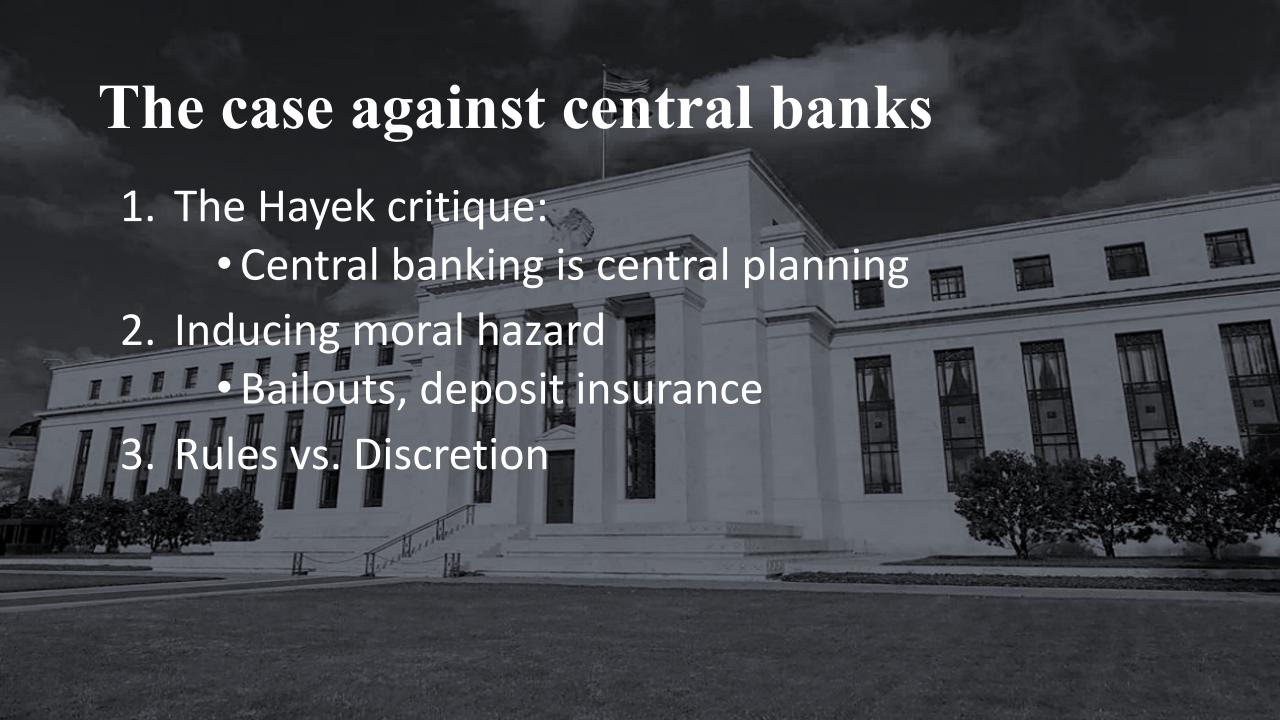
- Deeply integrated with banks
- Base money:
 - Currency plus bank reserves
 - Controlled by the Fed
- Broad money
 - Demand deposits, time deposits, CDs, etc
 - Set by banks
- The Fed makes base money, banks make broad money

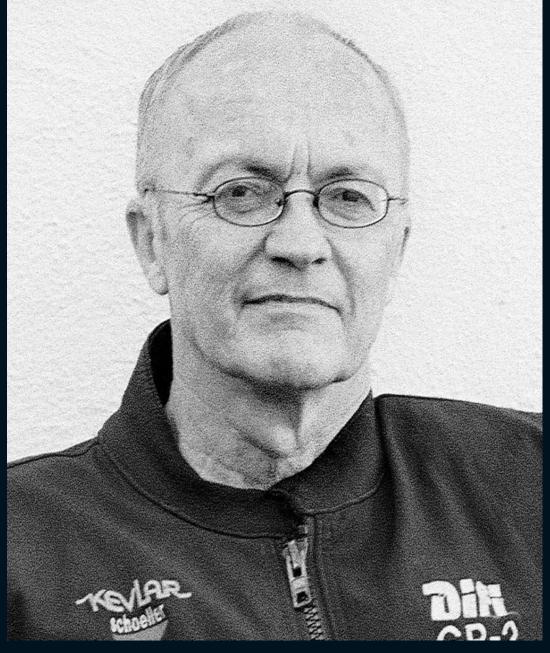




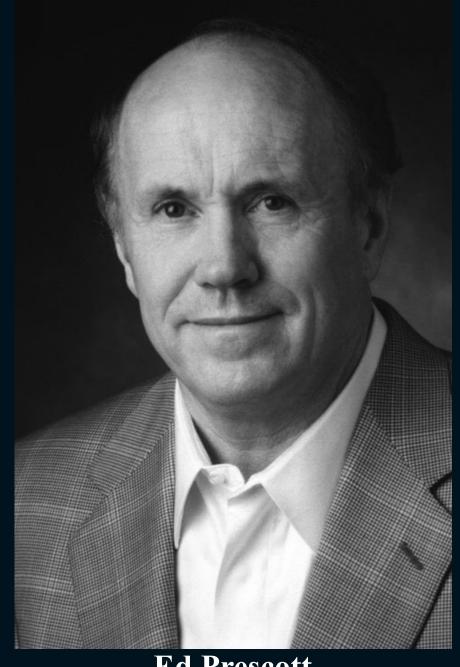








Finn Kydland



Ed Prescott

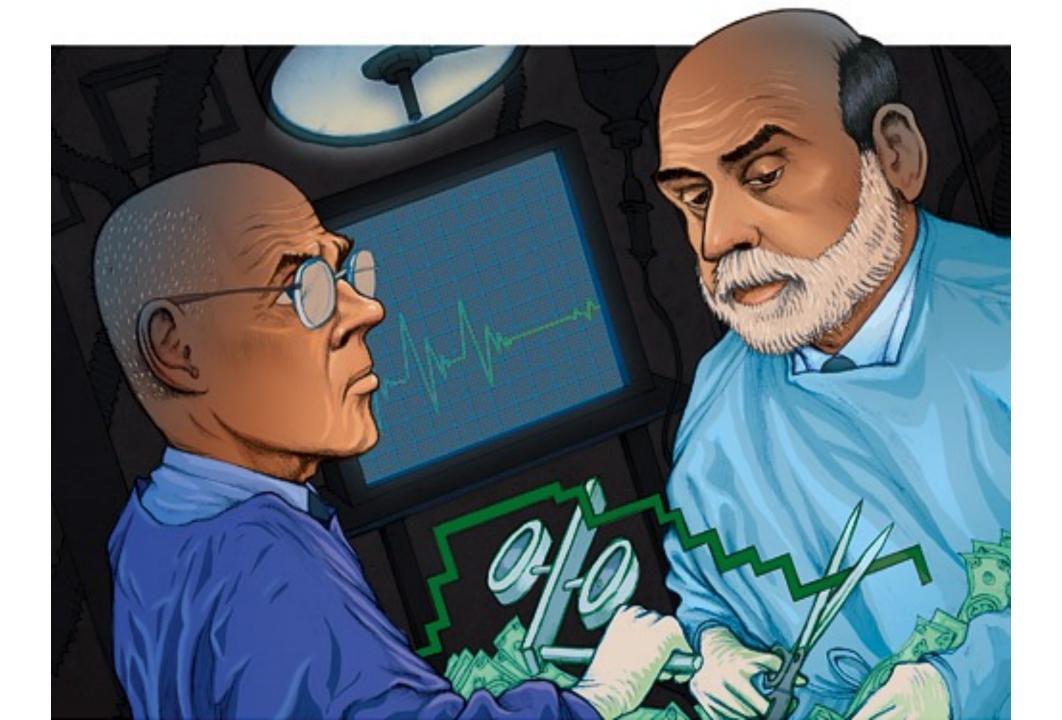




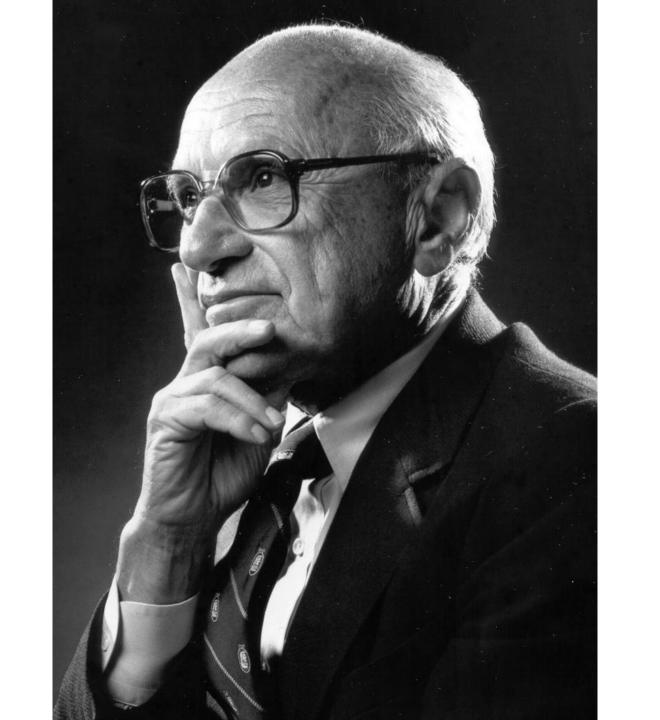














A new base layer

- Bank to bank settlement
- Secure, immutable, (slow)

What are we missing?

- Lending
- ■The original deposit bank (full reserve)
- The deposit lending bank (fractional reserve)
- Bitcoin: be your own bank.

Banking in Bitcoin

- Protocol issues base money (Bitcoin)
- ■Banks still exist on a Bitcoin standard.
- Take deposits in Bitcoin, lend in Bitcoin.
- Operate without a central bank
 - Suspended convertibility contracts
 - Competition between banks
 - Private Sector Innovation

BitBank

- Idea: Time Deposits
- Deposit Bitcoin for duration X at rate Y
- Penalty for early withdrawal
- ■Banks balance deposits/loans
- •LOLR?
- Deposit Insurance?

Staying in Touch

- Teach CSCE 489: Bitcoin Protocol
- Teach ACCT 489: Accounting for Digital Transactions
 - No-Code Bitcoin class
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