Back to Work

Russell Harrison

Director of Government Relations, IEEE-USA

June 11, 2021

3,205 Anniversary of Fall of Troy
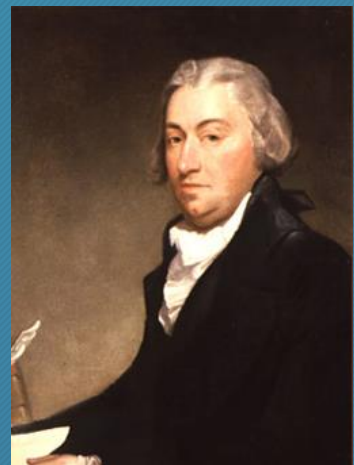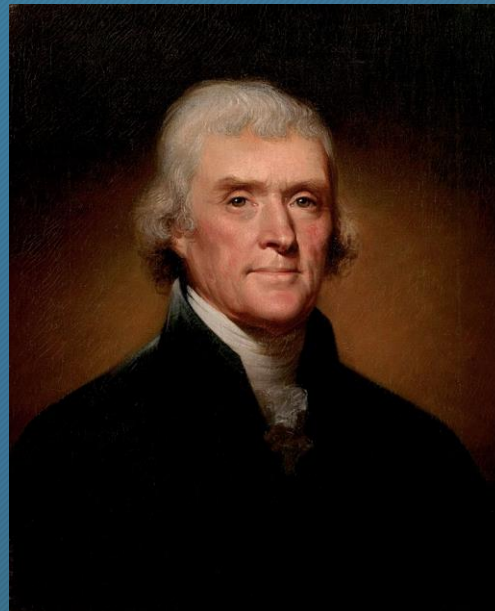
Declaration of Independence Committee
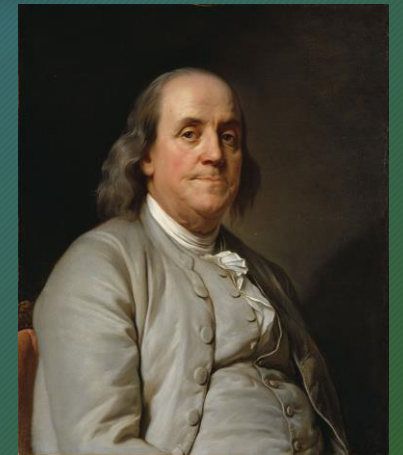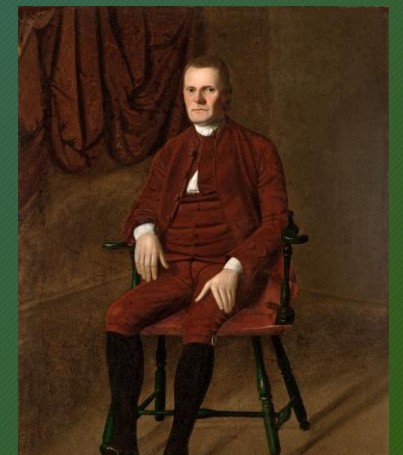
John Adams

Ben Franklin

Robert R. Livingston

Roger Sherman

Thomas Jefferson

Pipeline Cybersecurity Jurisdiction

- Five Congressional Committees have jurisdiction over pipeline cybersecurity
  - House Homeland Security
  - House Energy & Commence
  - Senate Energy & Natural Resources
  - Senate Commerce, Science, & Transportation
  - Senate Environment & Public Works

- Both DHS and DOE regulate pipelines, but only DHS (through TSA) can set cybersecurity standards

Bill Formerly Known as EFA Passes Senate

- Vote 68-32
  - Republican vote: 19 - 31
  - Democratic vote: 49 – 1
- Total spending: $250 Billion
- Key provisions:
  - $4.35 billion new NSF tech directorate research
  - $52 billion for semiconductors (CHIPS Act)
  - $26 billion for technology transfer
- Other provisions include academic security measures, Anti-China

Tech Transfer Provisions Remain

- $9.425 billion to the Regional Technology Hub Program

- $575 million to the Regional Technology Strategy Grant program

- $2.41 billion for the Manufacturing USA program

- $4.06 billion for academic tech transfer programs

- $2.9 billion for technology test beds

Evolution of EFA

- Passed Senate

R&D Spending Boom
Legislation currently in the Senate would appropriate about $190 billion to strengthen domestic technology. Main spending areas include:

Semiconductor Programs	$52B
Existing National Science Foundation activities	52
Technology and Innovation at the NSF	29
DARPA	18
DOE research in `key technology focus areas'	17
NASA & other space-related research	10

Source: Congressional Budget Office
Note: Spending figures are over a 5-year period.

Bloomberg

Behind the Scenes

- House Science Committee is moving a simpler NSF reauthorization bill
- Sen. Schumer is setting up his bill for conference committee
- Schumer's Priority is the new Technology Directorate
  - Easier to fund existing programs than new ones
  - First establish the program, then raise its budget
- Risks:
  - House/Senate split
  - Too much baggage

Florida & New York Pass Anti-Tech Legislation

- New York:
    - Focus on monopolistic behavior
    - Approval needed for mergers
    - Tighter definition of Dominance
    - Passed Senate, Pending in House

- Florida
    - Focus on censorship
    - Private and official right of action
    - Accounts may only be suspended for 14 days
    - No deplatforming political candidates
    - (Disney exempted)

100 Day Reviews are Done

- Supply-Chain review of computer chips, advanced batteries, critical minerals, and pharmaceuticals
- Yes, there are supply chain issues
- Administration now moves to enact new rules
  - Plan to diversify the supply of rare earth minerals
  - Task force to address supply chain disruptions in "semiconductors, home building and construction, transportation and agriculture, and food"
  - Supply chain "Strike Force" to combat unfair trade practices
  - Develop 10 year plan and release $17 billion to promote battery production and recycling
- Year-long reviews of defense, public health, information technology, transportation, energy and food production due in February

PRO Act

- 47 Democratic Cosponsors
  - Sens. Kelly, Sinema, & Warner have not cosponsored
  - Sen. Schumer has promised a vote if it gets 50 cosponsors
- Discussions with Senate sponsors suggest little interest in amending the bill
- May be added to infrastructure or other legislation

- Passed as written, the bill would prohibit most independent technology consulting un the U.S.

National Artificial Intelligence Initiative

- www.ai.gov
- Created by National AI Initiative Act of 2020
- Clearing house of information on government AI
- Coordinate AI projects and research across agencies
- Recommend AI policy to Administration and Congress
- Lead by OSTP

Hearings

Good News!

Next Update:

Thursday, June 24

Russell Harrison
Director of Government Relations
IEEE-USA

(202) 530-8326

r.t.harrison@ieee.org