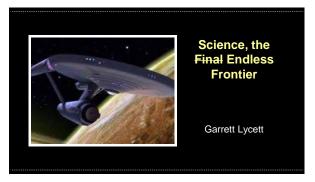




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## Some Background

- Prior to WWII, research in the hands of a few corporations, who had all the rights to the results
- Research contracts were often won through bidding
- WWII showed this could benefit from an update, but people disagreed on how
- update, but people disagreed on how

  This controversy led to the Science, the
  Endless Frontier paper and today's system







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## Vannevar Bush

- Respected engineering consultant
   Heavily involved in the Manhattan
- Project and OSRD effectively FDR's science advisor
- Championed widening access through free flow of ideas and limited oversight only by "disinterested" scientific experts

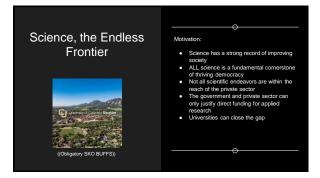


Conflict

Legislation drafted multiple times by both sides
Kilgore and Bush worked together to draft a bill, but Bush was unhappy with the result Bush was unhappy with the result Bush wielded his cloun with Science, the Endless Frontier to try and pass his version of the bill, but it falled anyway!
Refurbished compromise in 1947 vetoed by Truman due to concerns over lack of accountability
NSF compromise in 1950, research responsibility divided among multiple agencies

Both Kilgore and Bush thought social sciences should be involved, but this was unpopular at the time, only being added to the NSF 40 years later. Why do you think it was such a sticking point?

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## Class Exercise

Vannevar Bush recommends the subdivision of his proposed government foundation into subgroups based on its proposed duties. In reality these subdivisions ended up more in the hands of their parent institutions. What are the pros and cons of this system?

9 10



How to Support
Science?

• Meri-based funding, but have some geography-based funding to build up weaker institutions
• Education!! But — There is never enough ability at high levels to satisfy all the needs of the nation; we would not seek to draw into science any more of it than science's proportionate share. \* Ministry of

Important to start by putting soldiers back into higher education

Education Committee

Mare students turn to Polf for Indip with college costs

Mare students turn to Polf for Indip with college costs

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