



- **Kick-start renewed commitment to bioscience**
- **Improve the health of America's people and economy**

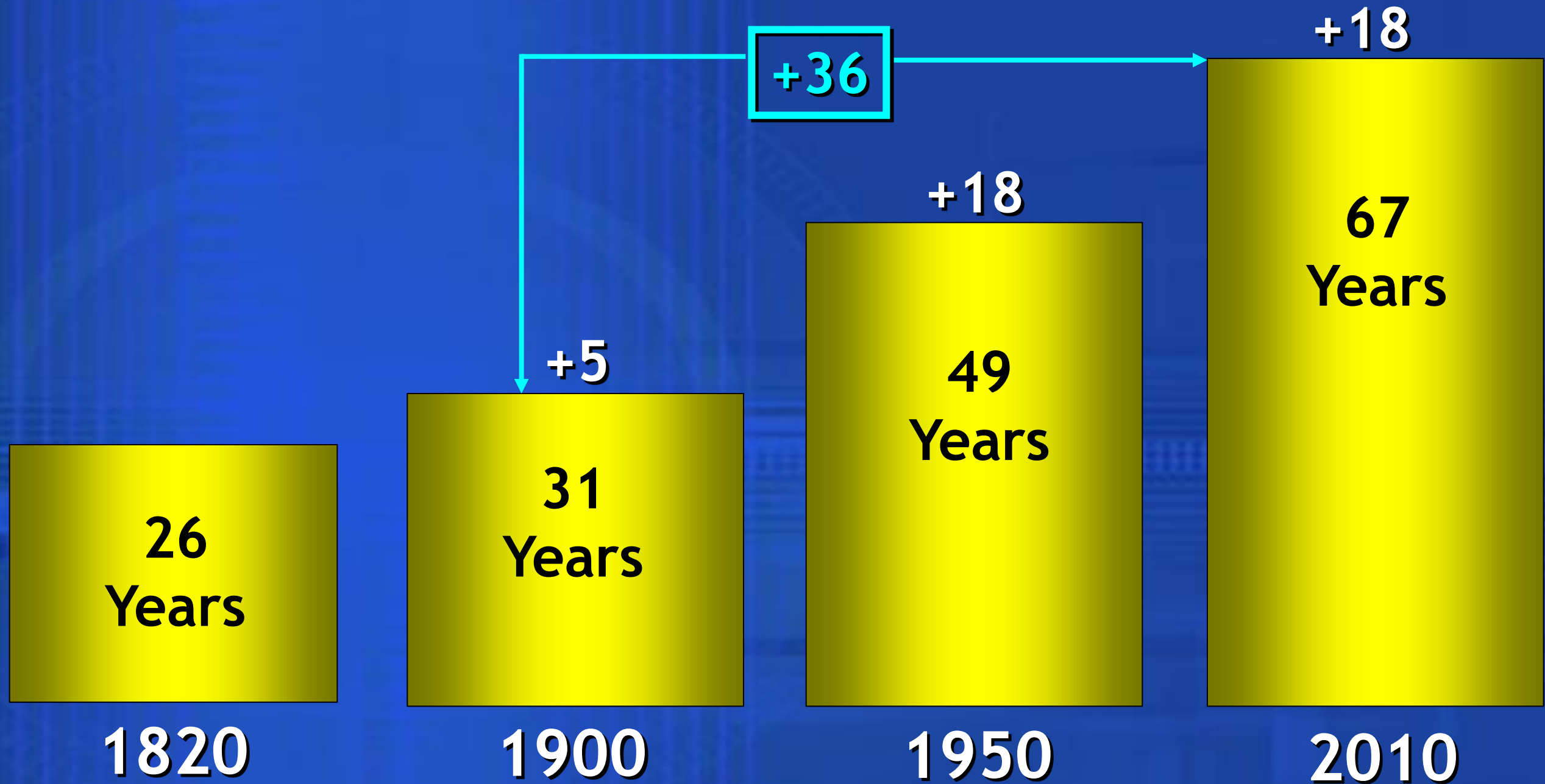
Over the past two centuries
[by far the most prosperous 200 years in human history]
as much as

1/2 OF ALL ECONOMIC GROWTH

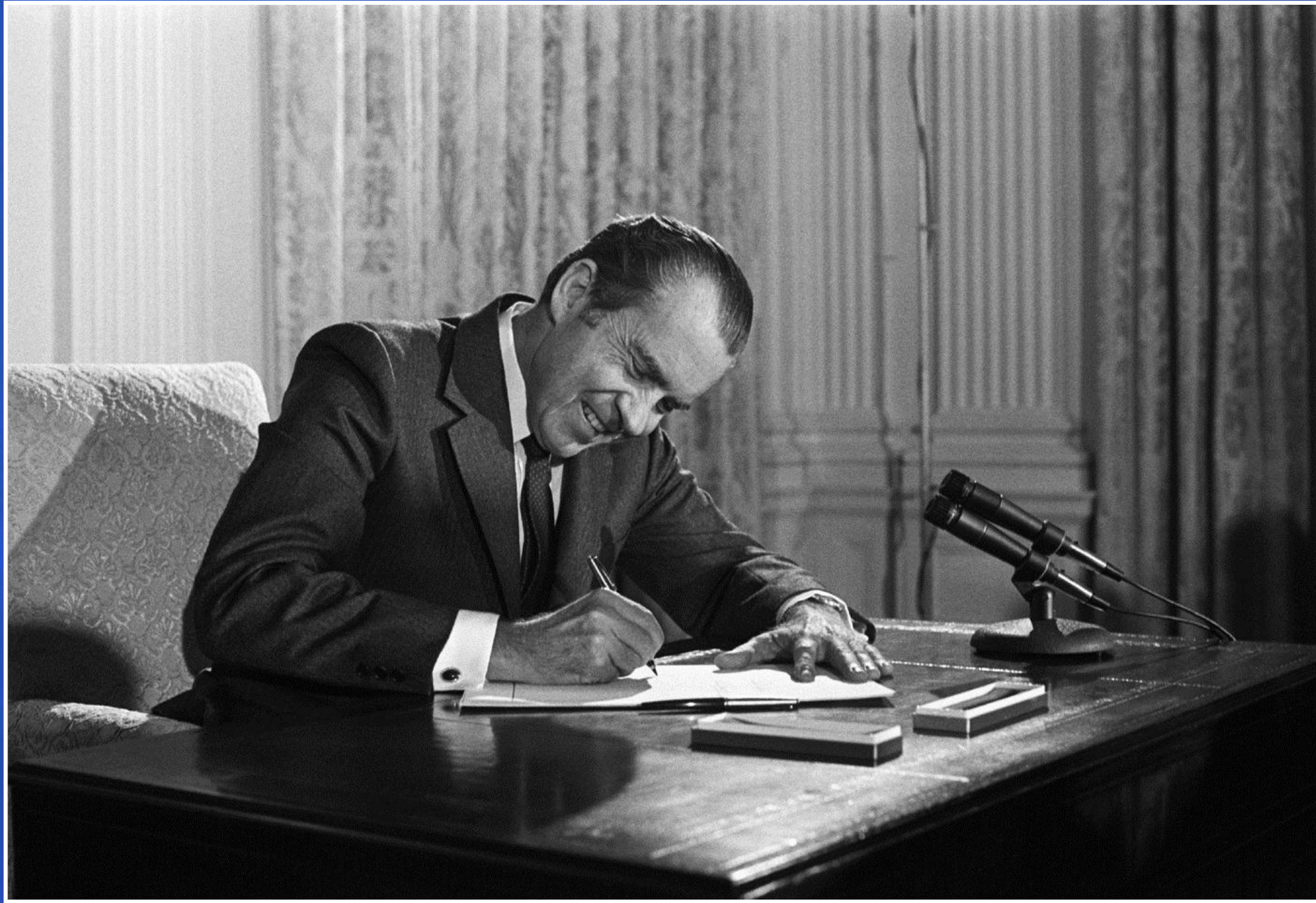
can be traced to
advances in health.



Worldwide Life Expectancy Growth



War on Cancer declared - 1971



National Cancer Summit - 1995



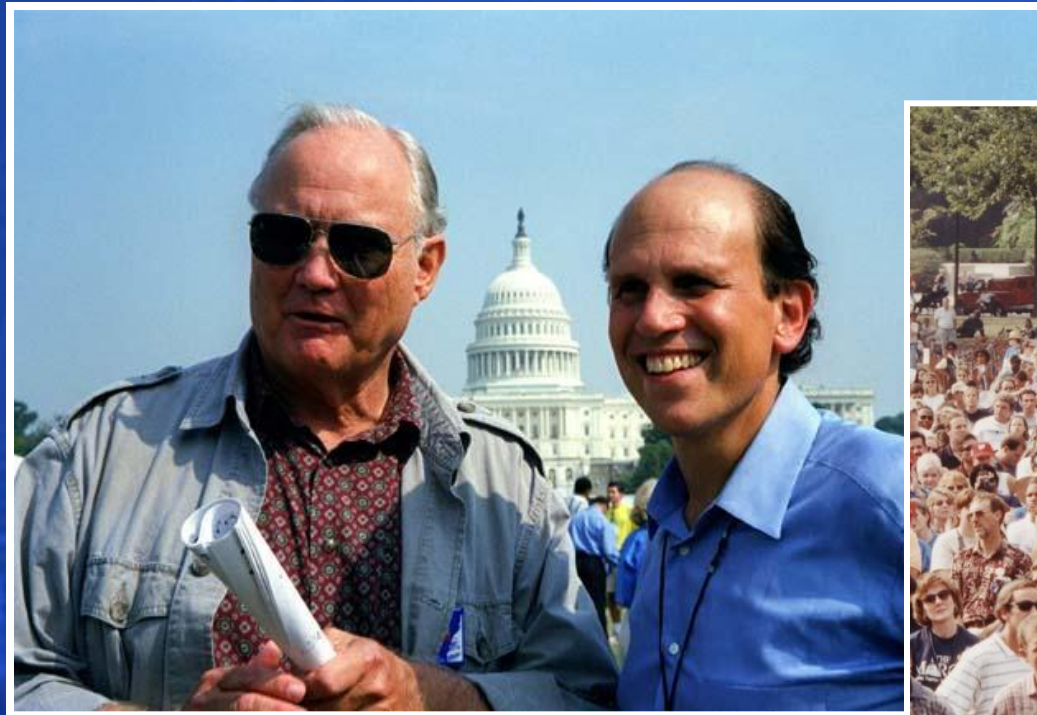
Helene Brown
Pioneer in cancer
education



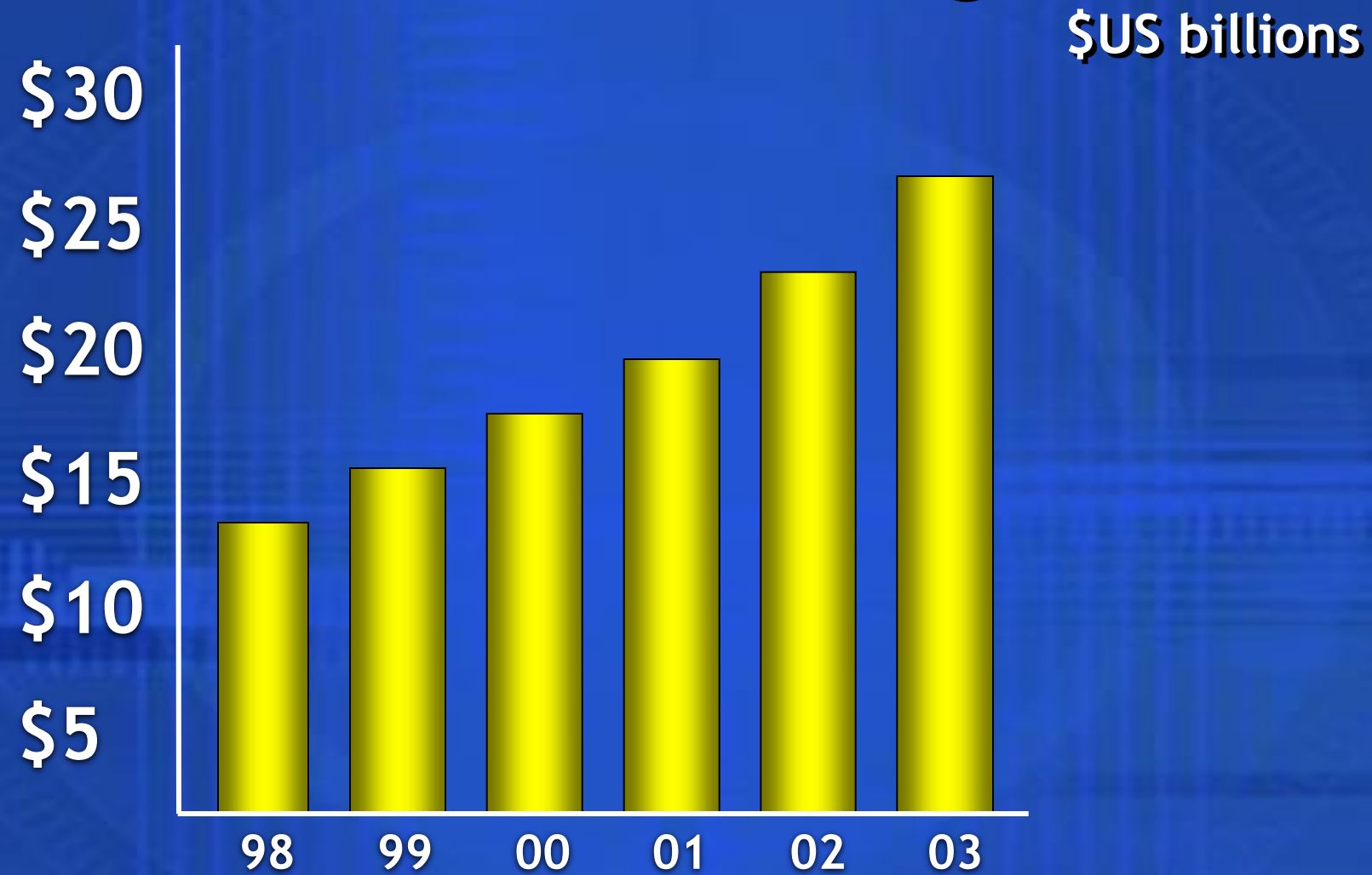
Richard Klausner
Director, NCI
1995 - 2001

The March

September 1998

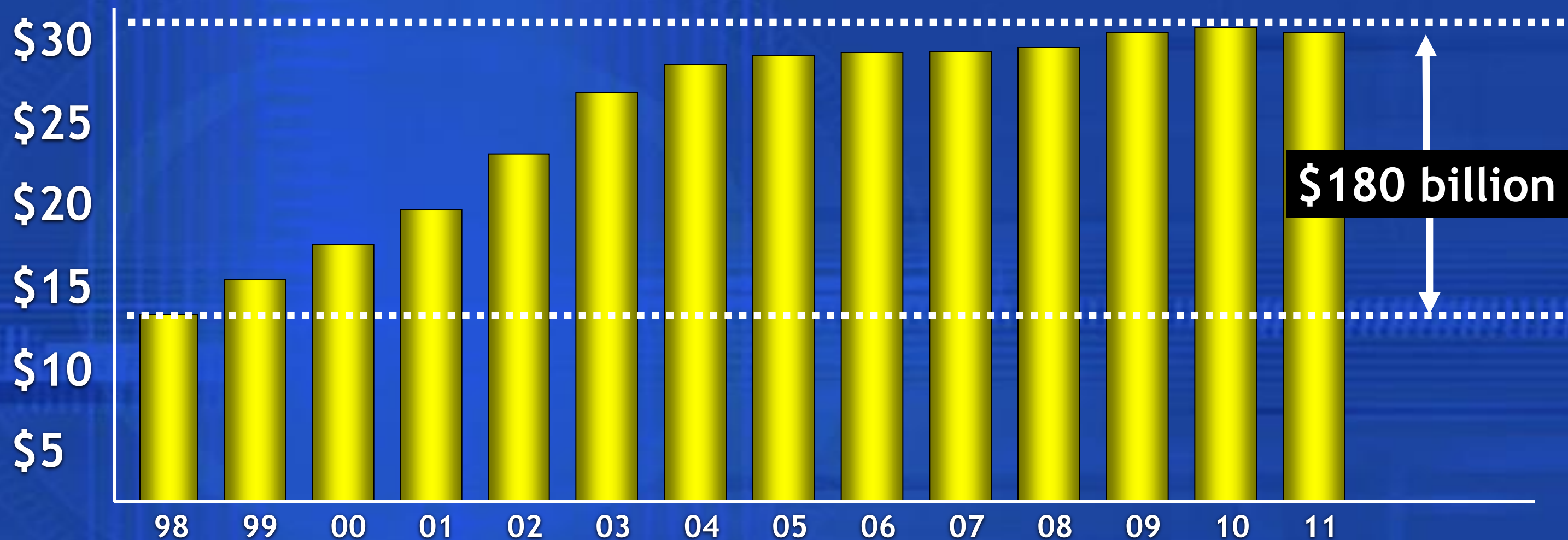


Five Years Following The March: NIH Budget Nearly Doubles



Since 2004: NIH Budget Cut in Real Dollars

\$US billions



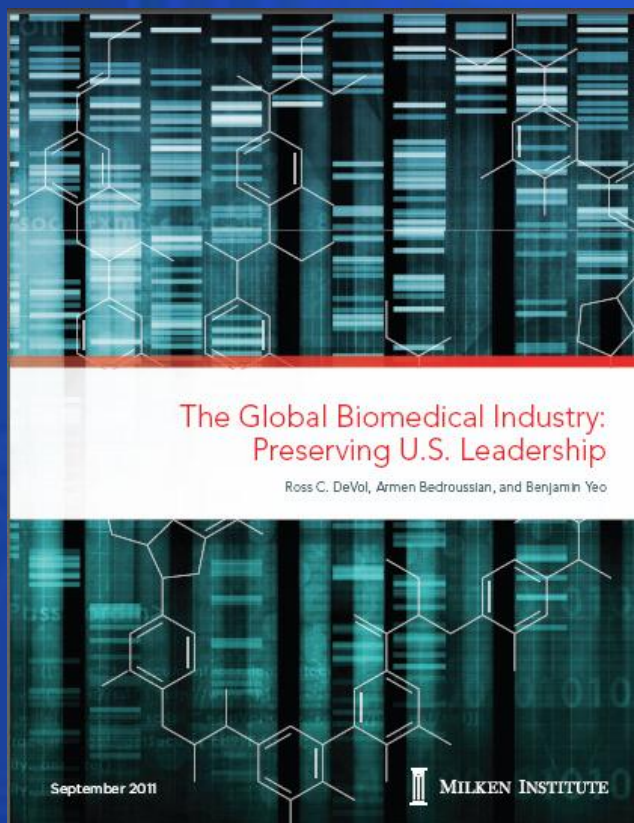
Return on Recent Investments in Bioscience

- Death rates declining for major diseases;
- Immunotherapy will soon replace some chemotherapy;
- Rapid reduction in cost of gene sequencing;
- Greater hope for millions around the world.

We're at the dawn of a new scientific revolution!

In 2011, NIH research funding led to ...

- 432,094 new jobs
- \$62 billion in new economic activity in the US
- 500 patent applications worldwide
- 389 patents issued
- Support of 300,000 scientists and researchers at 2,500+ universities and research institutions, and 50,000 competitive grants



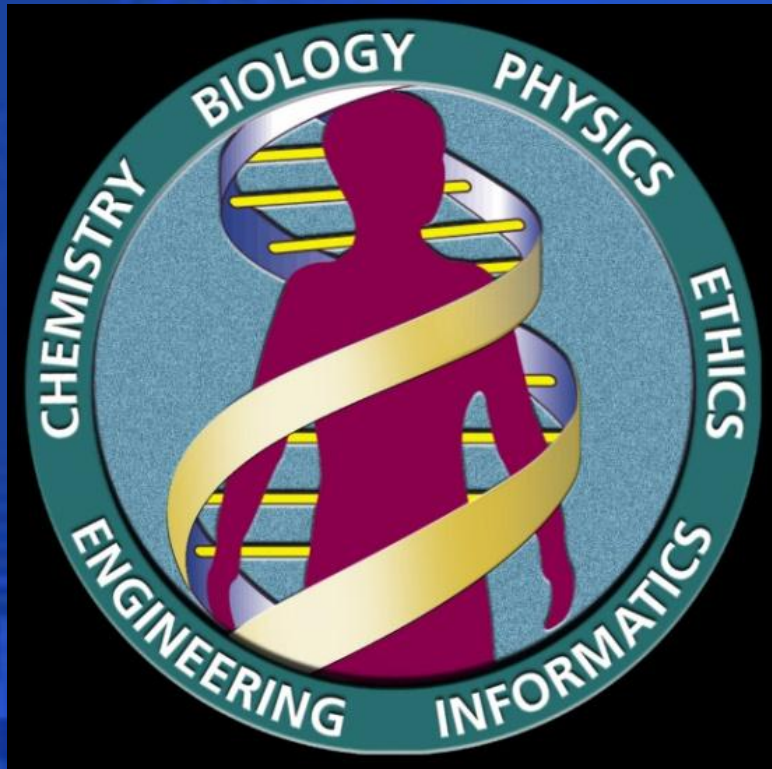
U.S. Biomedical Industry Jobs

Private sector jobs in biotech: 1.2 million

- Biopharmaceutical 284,000
- Medical devices 409,000
- R&D, testing and labs 526,000

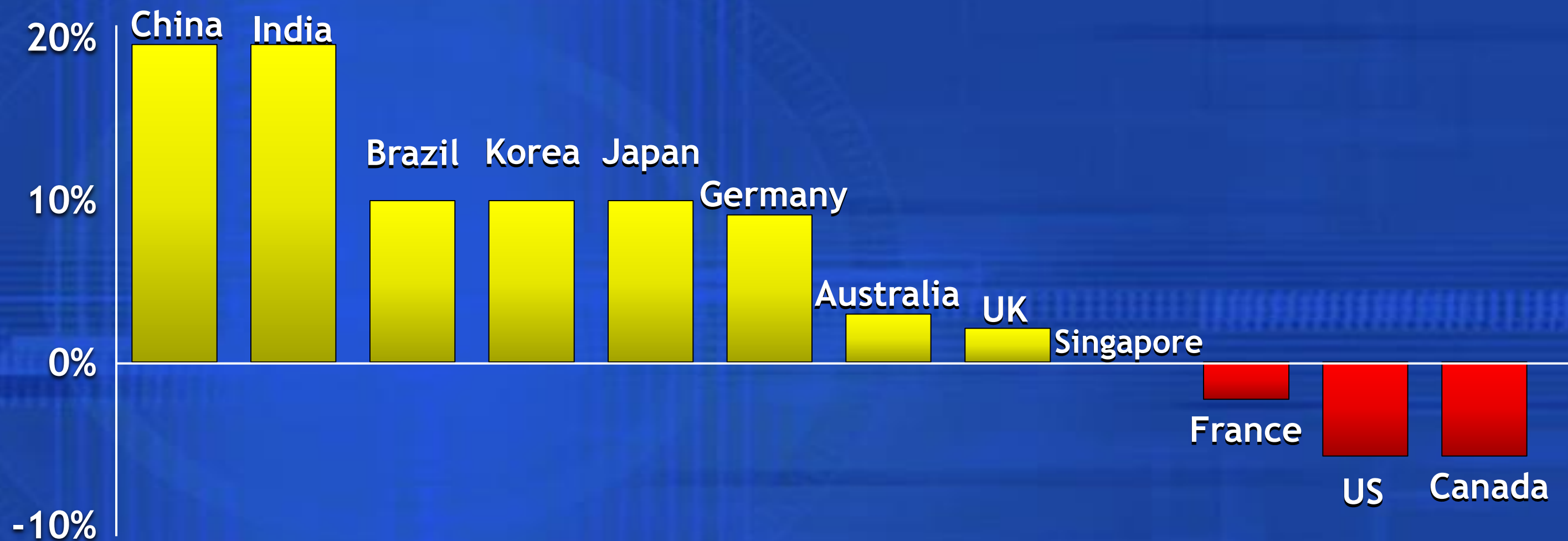
The average biomedical job pays \$79,000, more than 70 percent higher than the nation's average job.

Medical Research ROI



- The Federal government invested \$3.8 billion in the Human Genome Project from 1990 to 2003.
- This investment generated an economic output of **\$796 billion** and created **310,000 jobs**, representing a **141:1 return on investment**.

Outlook for Biomedical Research Spending (2012)



Source: OECD - Government Budget Appropriations or Outlays for Research and Development (2012)

“One of the tragedies of science is that many of the most talented people with the best ideas don’t have access to capital.”

**- Andrew Serazin
Gates Foundation**