

REVITALIZING THE ECONOMY THROUGH NANOTECHNOLOGY INNOVATION



nanobusinessalliance

Sean Murdock

Executive Chairman, NanoBusiness Alliance

November 13th, 2009

TECHNOLOGICAL ADVANCES HAVE ALWAYS IMPROVED OUR LIVES

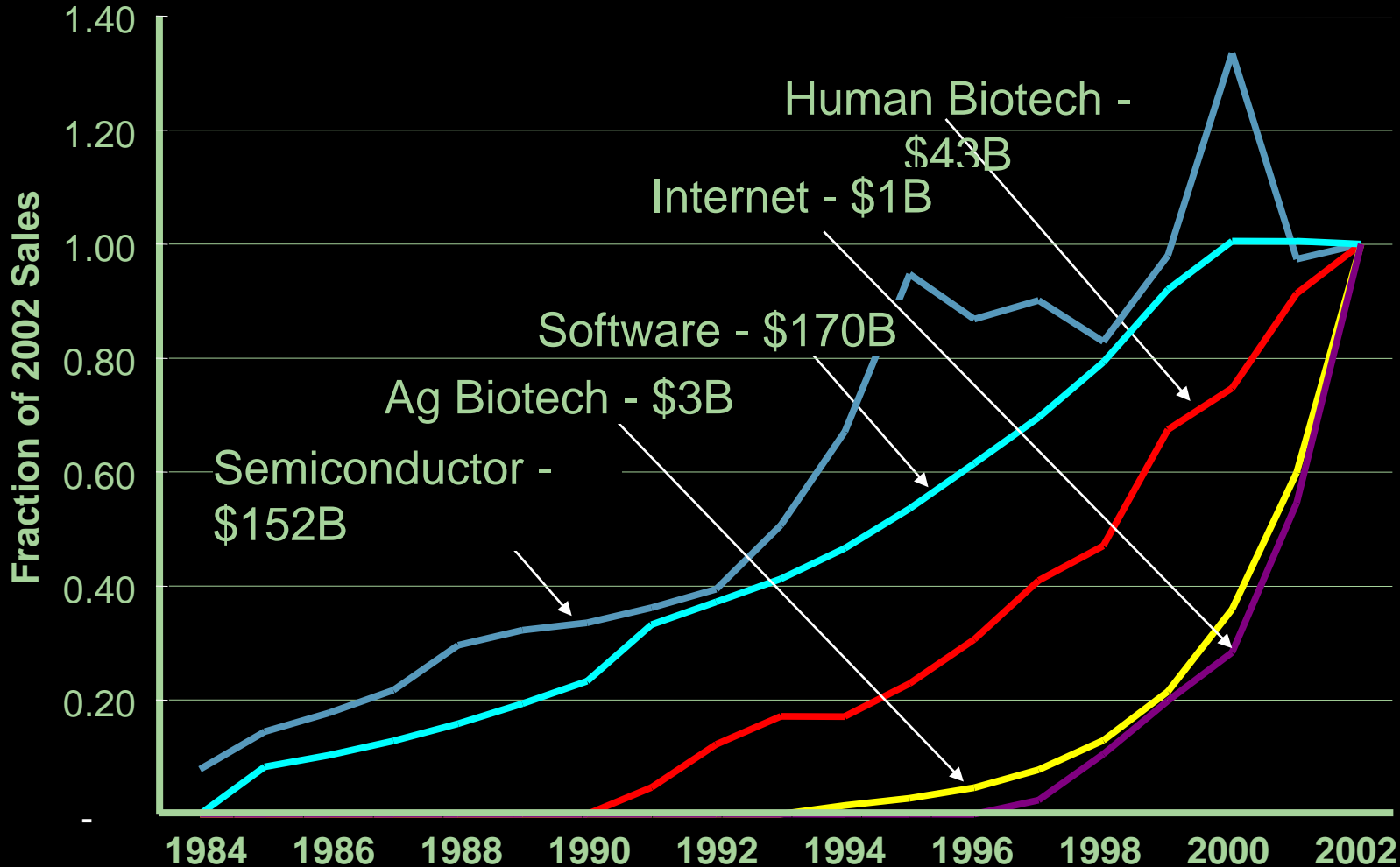
In 1900, the US was very different than today...

- **Average life expectancy of 47 years**
- **144 miles of paved road**
- **14% of homes with a bathtub**
- **6% of adults graduated high school**
- **8% of homes had a telephone**
- **10% of homes with reliable access to electricity**



HISTORY TELLS US NANOTECH WILL BECOME A FORCE, AND RAPIDLY

Industry revenues relative to 2002 revenues



*Source: McKinsey



nanoBUSINESSalliance

THE IMPORTANCE OF TECHNOLOGICAL LEADERSHIP

- **We live in a global economy and global competition is not going away – it will only be increasing.**
- **US wages are 5-10x those of skilled workers in countries like India and China.**
- **All factors of production are mobile in the modern economy. Today's technology and means of production are being and will continue to be moved to maximize total factor productivity.**
- **In order to maintain our standard of living, we must continue to push the frontier of what is possible through technological leadership and incessant innovation.**



FAILURE WILL HAVE PROFOUND CONSEQUENCES...

*The 10 Richest US Cities

Arlington, VA
Thousand Oaks, CA
Naperville, IL
Alexandria, VA
Stamford, CT
Irvine, CA
San Francisco, CA
Scottsdale, AZ
Huntington Beach, CA
Sunnyvale, CA

The 10 Poorest US Cities

Brownsville, TX
Flint, MI
Syracuse, NY
Rochester, NY
Dayton, OH
Cleveland, OH
Detroit, MI
Buffalo, NY
Erie, PA
Waco, TX



Semiconductor, software,
and biotech

“Industrial” manufacturing
– ceased to innovate



HIGH IMPACT NANOTECHNOLOGY INNOVATIONS WILL STRENGTHEN THE ECONOMY AND ENVIRONMENT

