Careers in a Creative Destruction World
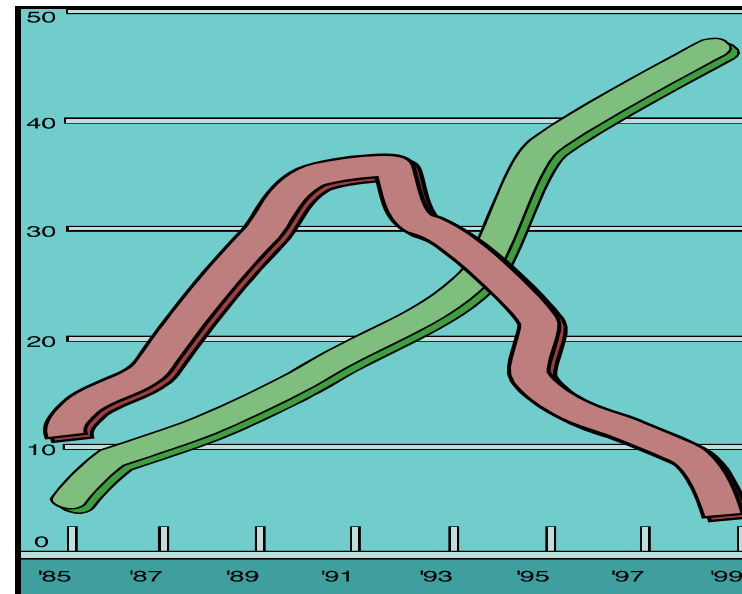
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OU it INFORMATION TECHNOLOGY THE UNIVERSITY OF OKLAHOMA
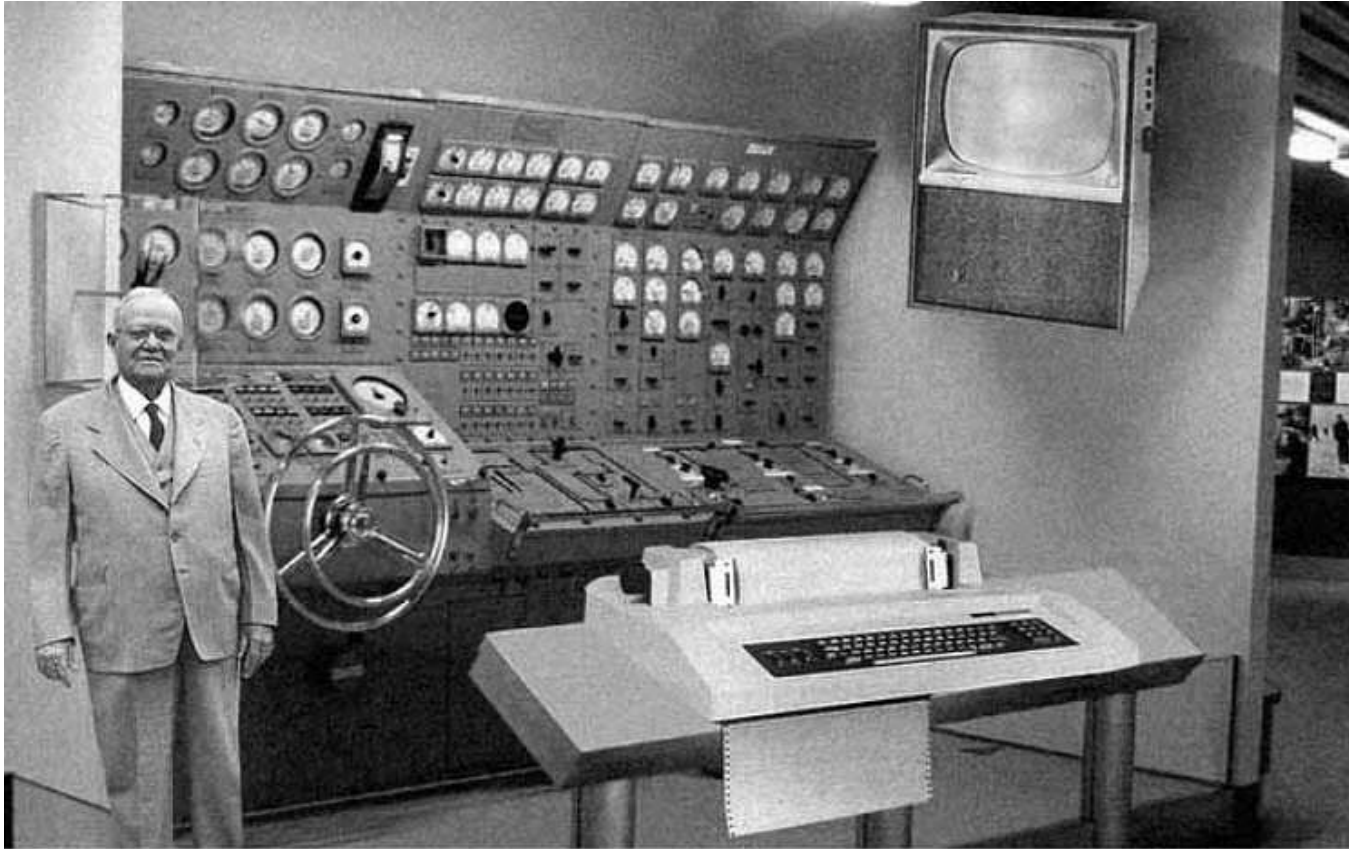
Creative Destruction

- **Usually inferior product or service**
- **Takes several years to enter market**
- **Leapfrogs existing product or service**

Other Terms

- Disruptive Technologies
- Creative Disruption
- Disruptive Innovation.
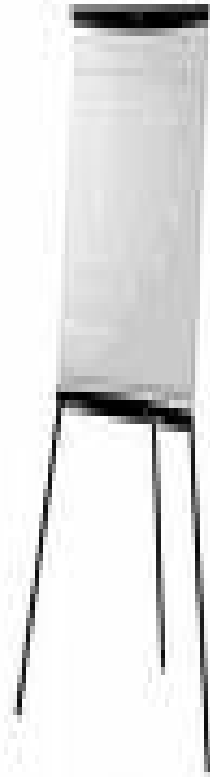
- All mean the same thing—GOT YA!

Example

Scientists from the RAND Corporation have created this model to illustrate how a "home computer" could look like in the year 2004. However the needed technology will not be economically feasible for the average home. Also the scientists readily admit that the computer will require not yet invented technology to actually work, but 50 years from now scientific progress is expected to solve these problems. With teletype interface and the Fortran language, the computer will be easy to use.

Example

Example

Millennials

Won't want thi

Impact on Learning

- Trickle learning—
- Anyone
- Anything
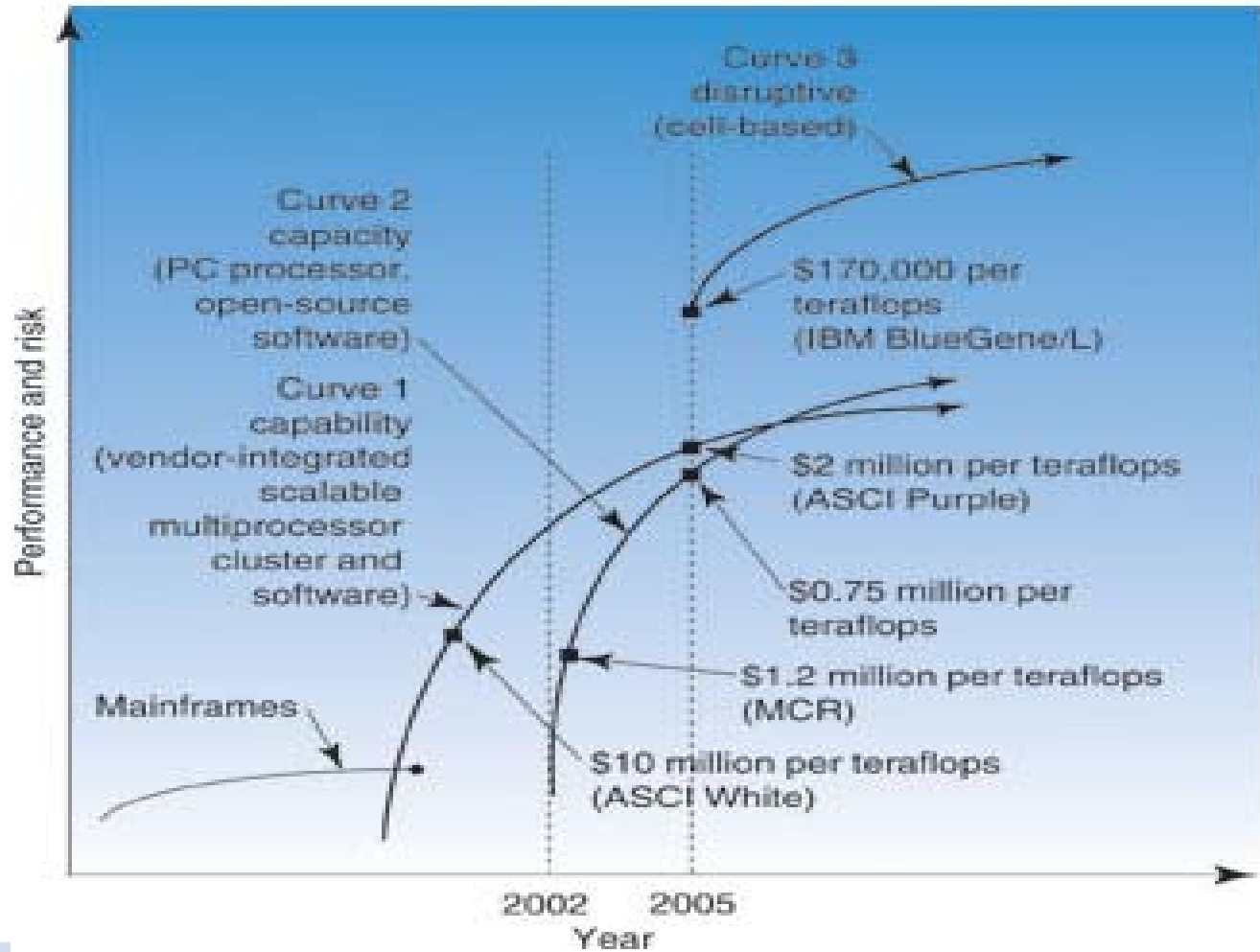- Anywhere
- Anytime
- From any source

The Avatar Teacher

- Your virtual persona – You in the Web.

- See IKEA's Anna

- Call Cox Communications for technical assistance.

Your World—Linux Cluster

Or, graphics cards and You

Are These Potential Disruptive Technologies?

Quantum computing
Flash storage
Cheap and low power optical communications
3D chip stacking.

(Source: SCO8)

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The Future For Educators

- Partner with a really great programmer.

- Keep learning—As they say in Systems Theory, to [be a] professional, you m[ust be an] amateur.

- Keep watching the s[how]

To Learn More. . .

- Try VoodooPad (www.flyingmeat.com/voodoopad.html)

- Or WikiWikiWeb -- Hawaiian for "quick"(c2.com.cgi.wiki)

- Lockergnome (channels.lockergnome.com)

- Blog article (http://www.syllabus.com/article.asp?id=6774)

And more . . .

- "Introducing Disruptive Technologies for Learning: Personal WebPublishing and Weblogs." static.cognitivearchitects.com/gems/ Seblogging/EdMediaSymposium.pdf

- **This topic has been on the agenda of the last three SCO conferences.**

And finally, ...

- Dr. Clayton Christensen, Harvard

- Dr. Paul Saffo, Stanford

- http://www.memestreams.net/users/aldelgado/ -- For teachers who use technology.

- www.tcpd.org/Thornburg/Presentations/Disrupt.html -- PowerPoint presentation.

- isds.bus.lsu.edu/cvoc/talks/edu4_99.ppt
  -- Impact on Business Schools

- http://www.asis.org/Chapters/scs/2002.html -- Panel on topic

SEARCH FOR IT!

- Yesterday I Googled "disruptive technology and supercomputing" and got 131,000 hits. How many will I get next year, I wonder?