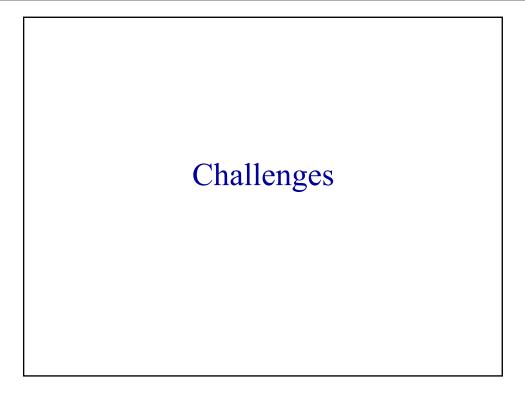


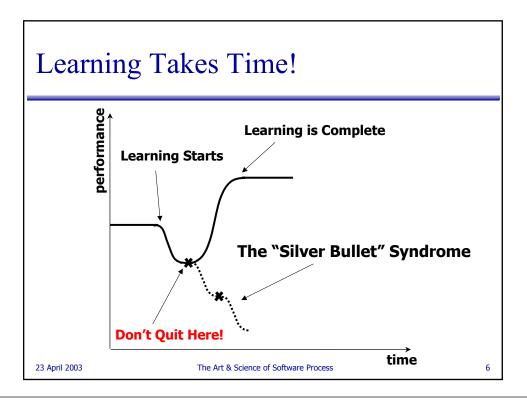
# The Goal of Software Process

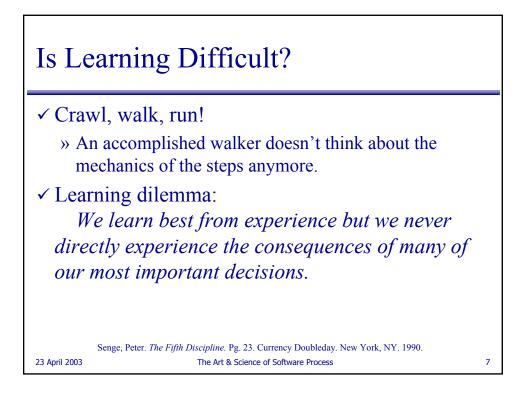
### The Goal of Software Process

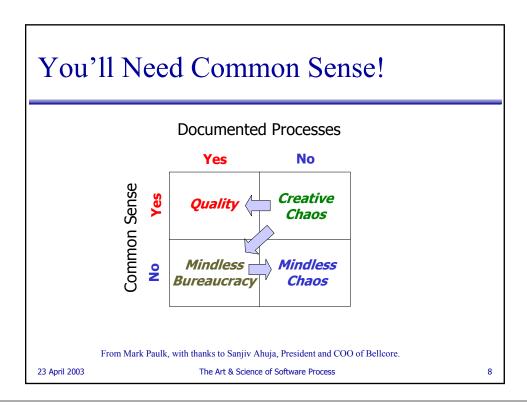
- ✓ Make commitments that you can keep.
- Produce quality software on-time and on-budget.
  - » To paraphrase Peter Drucker: The process serves to organize the participants of software work to create value.

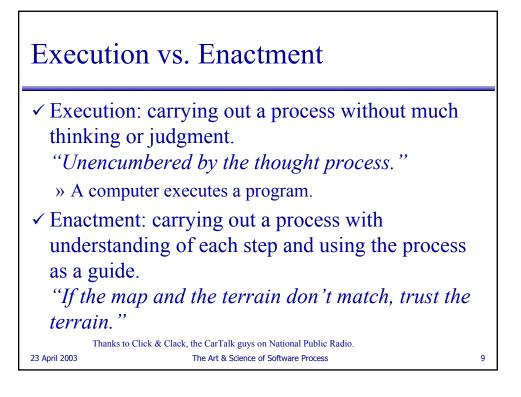
Drucker, Peter F. *The Essential Drucker*. Harper Business. New York, NY. 2001. 23 April 2003 The Art & Science of Software Process

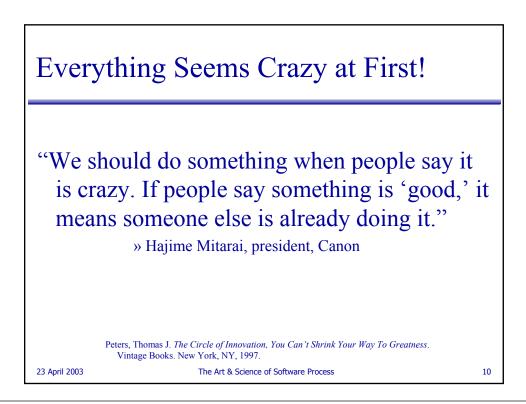


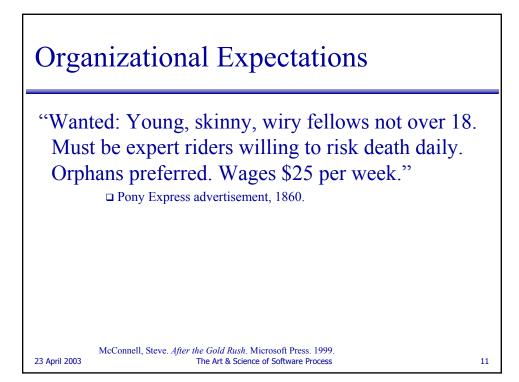


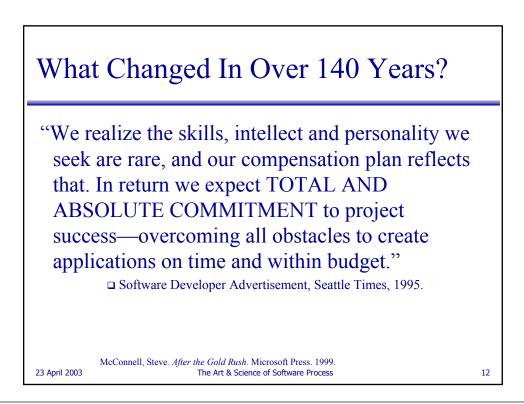


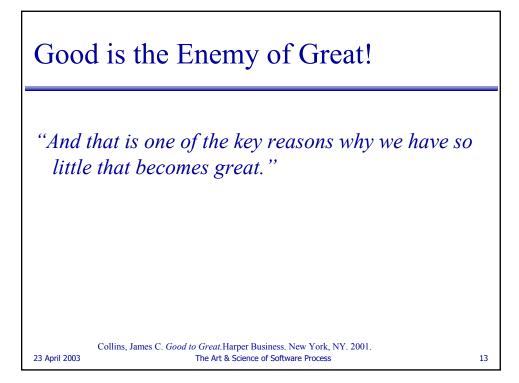


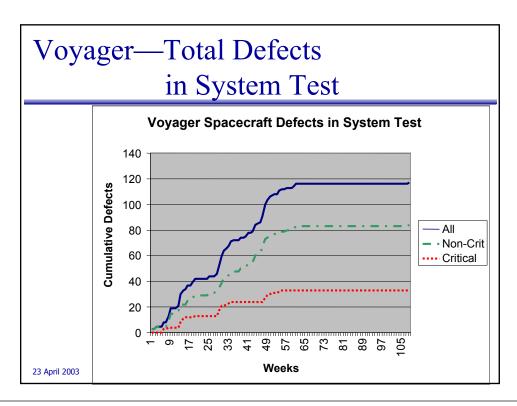


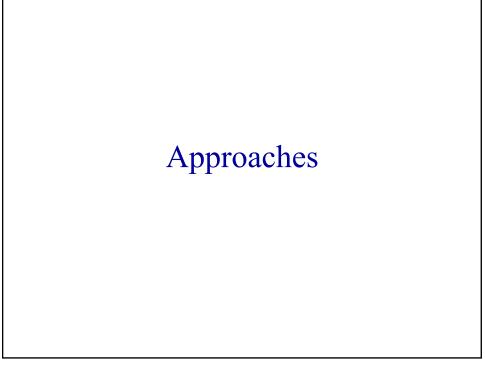












### Software Engineering Institute

Q: Who is the largest software consumer in the world? A: The US Department of Defense.

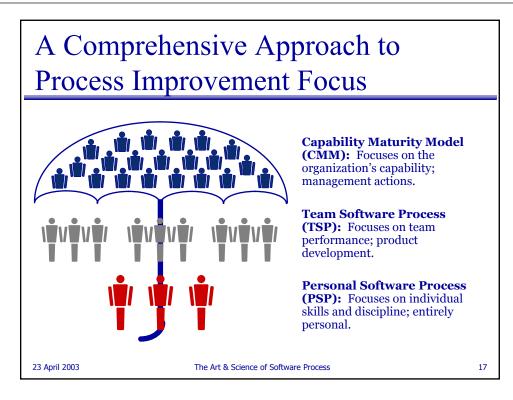
#### Milestones

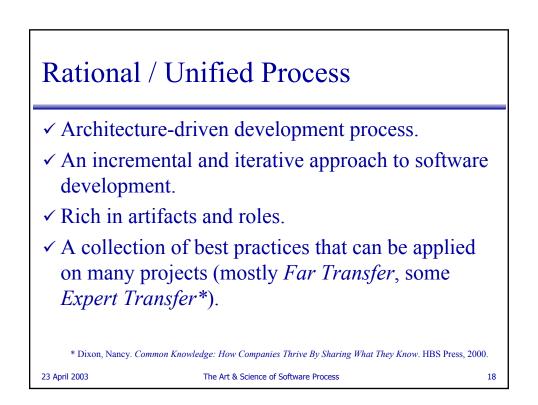
- Mid '80s: Capability Maturity Model (CMM) developed.
- Early '90s: Personal Software Process (PSP) is developed; class taught at Carnegie Mellon University.
- □ Today: over 4,000 people trained in PSP Worldwide
- Team Software Process: How an organization can create high performance software development teams.

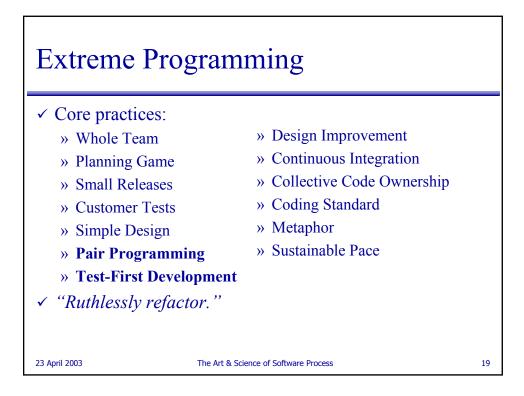
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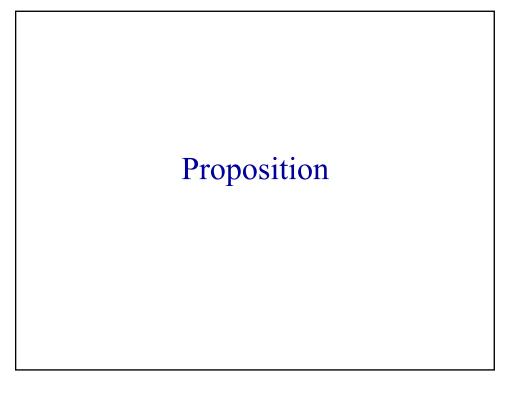
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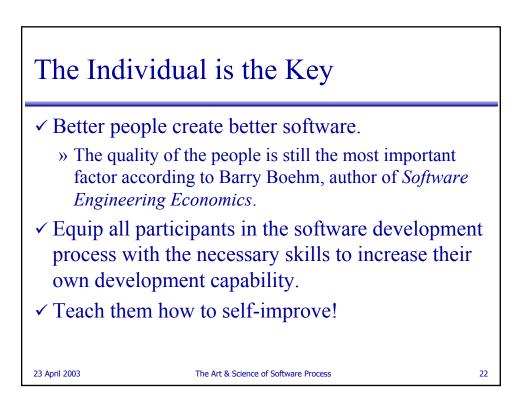


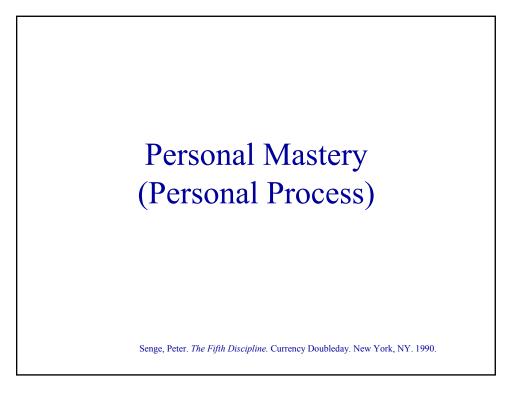


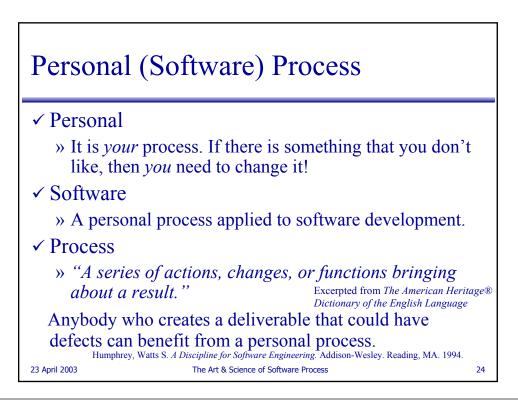


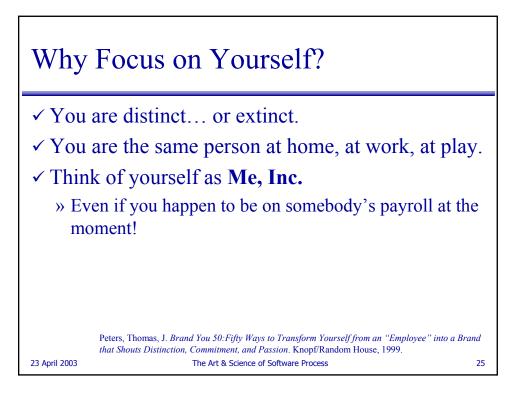


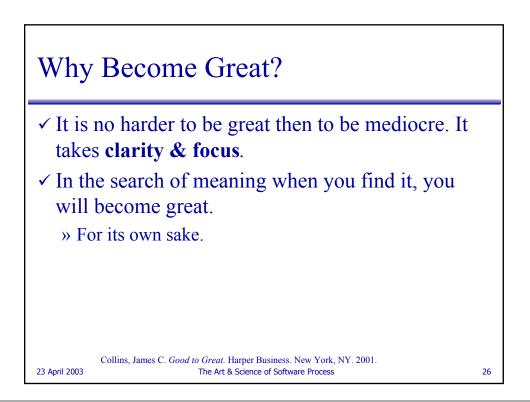












## Elements of High-Performance Software Development Practice

# Defined Process

- $\checkmark$  A process is defined if it is:
  - » Written down;
  - » Has enough detail that it can be enacted repeatedly producing the same or very similar outcome.
- A process must be defined for any measurement to be meaningful.

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