Nature's Secrets for Successful Transformation

Barbara B. Lawton, Ph.D. April 4, 2004



Transformation

- To change markedly, usually for the better
- To change the nature, function, or condition of

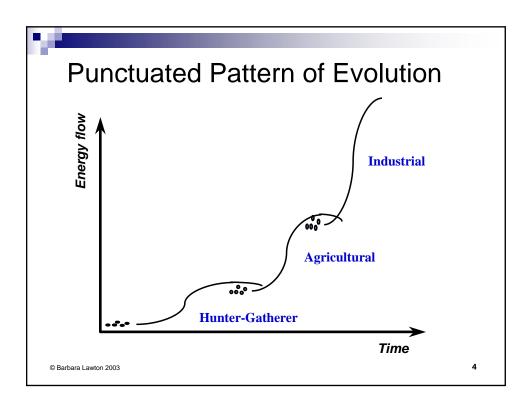
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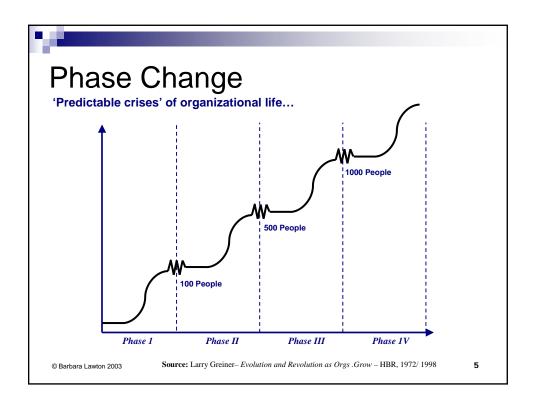


Nature's Path

- Evolution
 - □ A gradual process in which something changes into a different and usually more complex or better form
- Dynamic Evolution
 - ☐ The energy-driven process of evolution punctuated by transformative change

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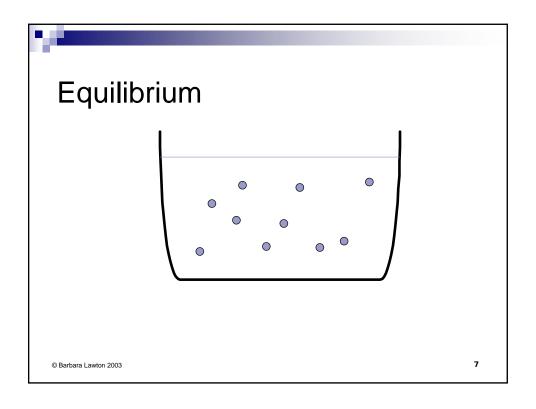


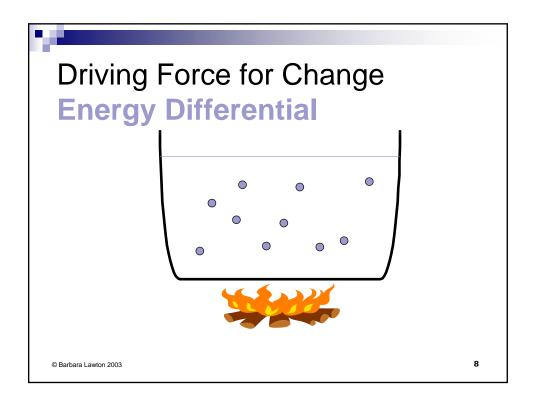


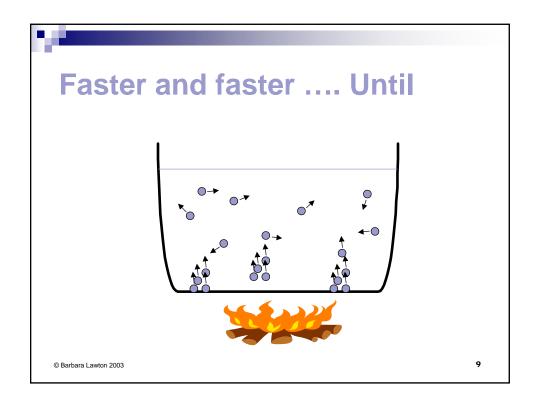
Outline

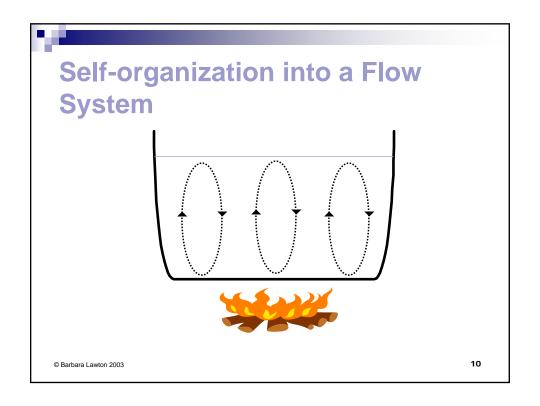
- Core threads
 - □ Structure & Process
 - □Intelligence
- Human Foundation: Community
- Leadership

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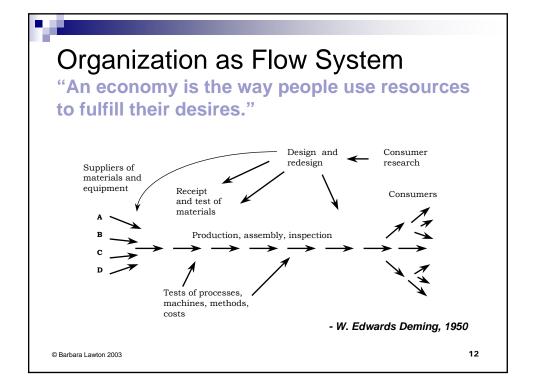


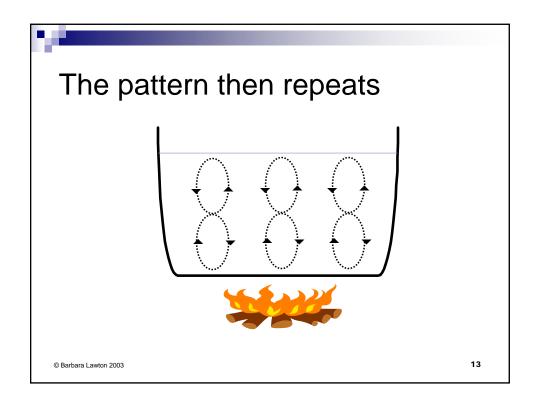


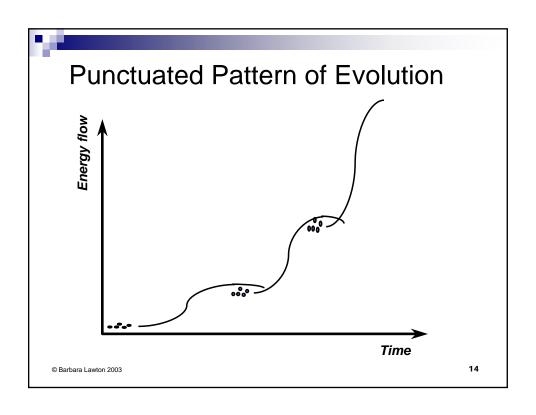
Structure & Process

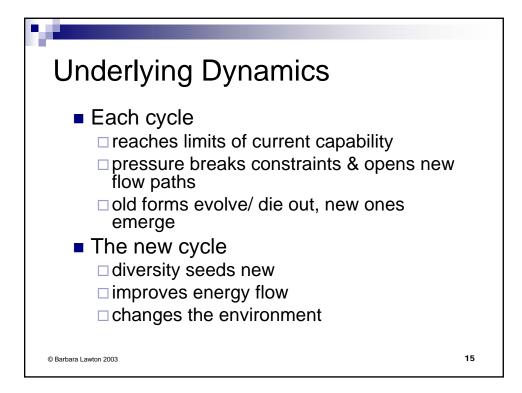
- Massive energy differentials
 - □ create pressure for energy to flow
 - □system becomes unstable, chaotic
- Self-organization into flow systems
 - □ coherent patterns of interaction that *accelerate* flow in larger environment
 - □reduce pressure
- Self-feeding
- Necessary conditions
 - energy differential + irregularities + whole path + positive feedback
- Flows disappear when differential is gone

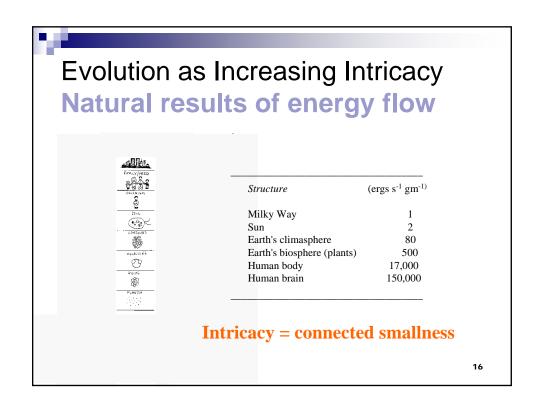
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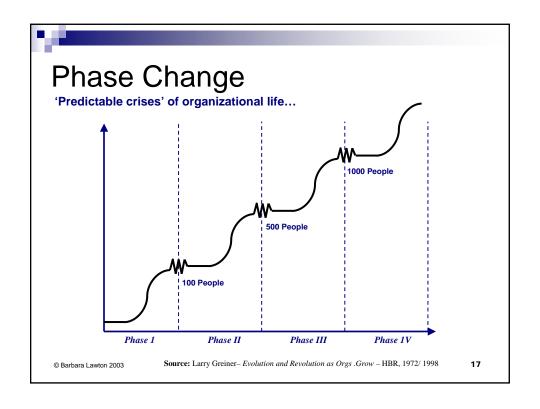


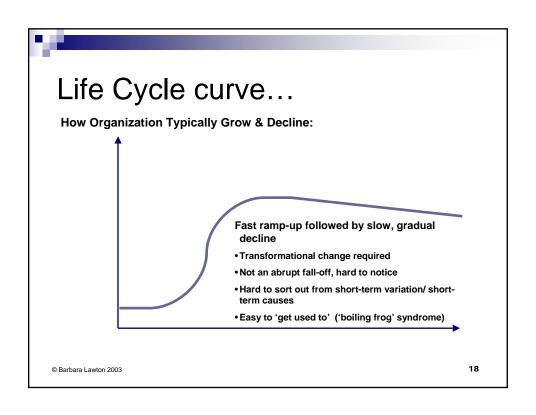








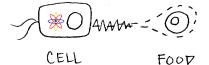






Life a Flow System

Life follows information / energy trails



How life finds the energy it needs to survive

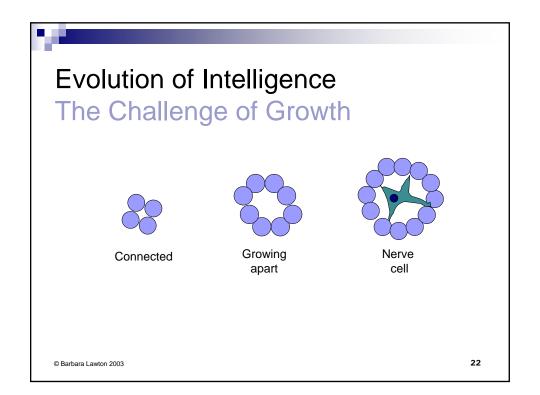
- Started with the first cells...
- Sensing and responding ...
- Ties locomotion, sensing, metabolism and genes...

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It's HOW we grow big that determines our capacity to sense, respond & evolve

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Evolution of Human Brain

3 physical structures, 3 episodic periods of evolution

- □Reptilian
- □Limbic (mammalian)
- □Neocortex (thinking)

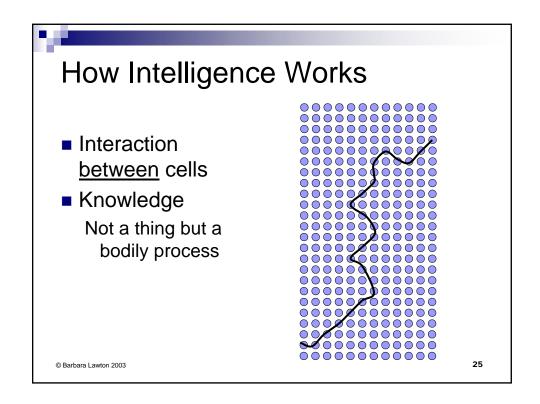


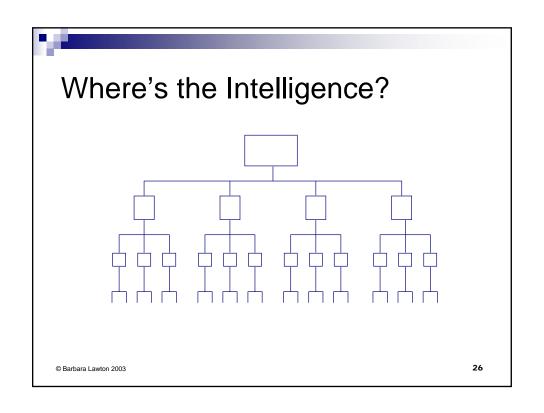
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Central Lessons of Intelligence

- Serve survival of the whole
- Specialize & integrate
- Distributed intelligence
- Subsidiarity
- Collaboratively based
- Competition in evolution to serve the whole

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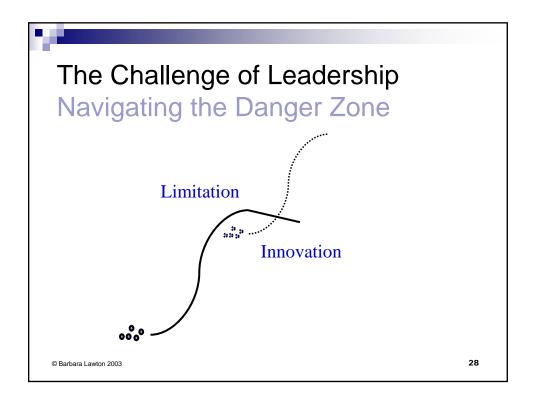


Community

The Ground of Intelligence

- Common purpose, framework, language
- Dense web of relationshipsWarm, mutually supportive, collaborative
- Interdependence, win-win-win
- The test: What's good for me <u>and</u> the whole?

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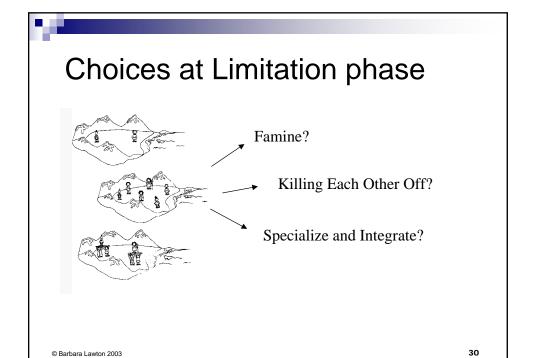


Nature of the Danger Zone

Limitation

- Declining results
- Fear & exhaustion
- Retrenchment
- Long hours, little result
- Reactionary, fire-fighting
- Decreasing loyalty
- Community disintegration

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Nature of the Danger Zone

Limitation

- Declining results
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Innovation

- Low results high failure
- Vision & common goal
- Exploration & discovery
- Foster diversity
- Long hours, high energy
- Strong commitment & involvement
- Patience!

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Community

Foundation of Transformation!

- Common purpose, framework, language
- Dense web of relationships
 - □ Warm, mutually supportive, collaborative
- Strong commitment
- Interdependence, win-win-win
- "The Living Company"

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Personal Challenges of Transformation

- Letting go
 - □ Loss of real & perceived status, benefits
- Working with fear
 - ☐ Fear for one's own future well being
- Trusting
 - ☐ In ability to learn and survive
 - ☐ In others

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A New Level of Leadership

You can't lead people where you won't go yourself.

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Leading Transformation

- Begin with yourself
 - □ "Personal humility & fierce resolve"
 - □ Self-awareness, growth
- Service
 - ☐ External customers (flow system)
 - □ Nurture people, community & intelligence
- Create a container
- Confront "brutal facts"
- Preserve and build on the core
- Create new direction (specialize & integrate)
- Persistence & patience

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Summary

- Two interwoven threads
 - □ energy-based process & structure
 - □ evolving intelligence
- Grounded in community
 - □ an interdependent, collaborative and mutually supportive web of relationships
- A new level of leadership

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Some Counter-Cultural Results

- Organizations
 - □ A flow system
 - Follows natural laws, must serve larger system
 - □ Like a living organism
 - Evolve: stability => edge of chaos => stability => ...
 - Survival of the "fittest"
 - Has intelligence
- Transformation
 - □ Is emergent
 - □ Requires a higher level of self-awareness & capability

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More Results

- Community is the foundation
 - ☐ A collaborative and mutually supportive web of relationships
 - ☐ For intelligence
 - □ For evolution
- Leadership is service
 - □ Requires higher levels of self-awareness, ...
 - □ Personal humility & fierce resolve

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