The Driving Vision

The vision that drove Doug’s lab at SRI up that innovation S-curve

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Introduction

1. How is it that all that innovation came about?
2. In the inner workings of his lab he embedded
   - his vision
   - his strategic accelerators
3. That vision and radical approach are his greatest breakthrough innovation of all
4. I’m here to tell you a story about that vision
I saw the 1968 demo

Seated forward right with mom and sisters
Why was I not impressed?

I thought of him as ... just plain dad!
I grew up around the stuff

Visiting dad’s lab...
I grew up around the stuff

He brought it home... and used us as guinea pigs...
I grew up around leading edge thinkers

Mom and dad had many friends from all walks of life, many on the forefront of their field
Why was I not impressed?

I wasn’t interested in technology!
I was 13 years old – give me a break!
Now I get it!

With a degree in cultural anthro I finally see:
Dad’s about way more than technology!
He’s about solving important human problems!
I join his team…
It all started when

Dad got engaged to mom ...
And wondered about career goals and crusades
Epiphany #1

The most important crusade:

to Augment Human Intellect

(like isolating a gene in the DNA)
Epiphany #2

1. The sooner we do it the better!
2. The world is changing faster, important problems are increasingly complex, urgent!
3. That means Augmenting Human Intellect is increasingly urgent problem to solve!
4. We need a strategy to accelerate progress!
Epiphany #3

Leap of faith from Vannevar Bush and radar, to envision flying through information space on computer displays
Doug’s Seminal 1962 Report

Outlining his entire vision and accelerative approach
Whirlwind tour of the vision

A 90 minute presentation (many slides) in 10 minutes (one slide)

Don’t worry if it flies by too fast!

Just a taste to appreciate the scope and richness of the paradigm, the vision and strategic approach
DOUG'S VISION
TREASURE MAP

An Accelerative Strategy for Raising Collective IQ
An Accelerative Approach: Raising Collective IQ

#1 Focus:
An Accelerative Strategy for Raising Collective IQ

- Deep Experimentation

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Eileen Cleary
An Accelerative Strategy for Raising Collective IQ

- Bootstrapping
  - Using what you build
- Deep Experimentation
- Human Systems
  - Tool Evolution
- Best Practices

Sketch
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From paper on the walls to elegant shared environment online

An Accelerative Strategy for Raising Collective IQ
Case Examples

Experiﬁmenting with workspaces

Office design experts
Organizational Design Consultants
Psychologists
PODAC – Personal & Organizational Development Activity
Used ARPANet to scale up and out vertically and horizontally.
A dynamic knowledge environment emerged
How to capture the swirl, manage, it and use it effectively
An Accelerative Strategy for Raising Collective IQ

- Using What You Build
- Bootstrapping
- Network Improvement Communities
- Co-evolution
- Human Systems
- Tools
- Accelerative Continuous Improvement
- Deep Experimentation
- Best Practices
An Accelerative Strategy for Raising Collective IQ

- Using what you build
- Bootstrapping
- Network improvement communities
- Co-evolution
- Human systems
- Deep experimentation
- Contributing to the global collective
- Accelerative continuous improvement
- Best practices

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An Accelerative Strategy for Raising Collective IQ

- Using What You Build
- Bootstrapping Communities
- Networked Improvement
- Deep Experimentation
- Accelerative Continuous Improvement
- Contributing to the Global Collective
- Pushing the Frontier
- Best Practices

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Tool requirement:
Facilitate this whole process
Recap

1. We already over-taxed by today’s challenges
2. We must quantum-leap ahead of the curve
3. Isolating a gene in the DNA of organizations
   *To innovate how we work collectively to solve important problems, and harness that to do it increasingly better, faster*
4. His strategic vision with innovation accelerators are his greatest breakthrough innovation of all
5. Embed that into today’s teams and organizations imagine the incredible innovation unleashed
6. That is the grander revolution he envisioned
Conclusions

1. What are the benefits of forging into this frontier for organizations in the public and private sector, initiatives, localities, whole nations?

2. What is the cost of not doing it?

3. Research teams, vendors, consultants, professional societies who pave the way would get added *bootstrap*ping leverage

4. “Bootstrapping Blackbelts” would be valuable assets to organizations wanting to forge ahead

5. Which nations will back an “Innovation Highway”?
So where do we go from here?

1. Take the vision and approach to whole new level
   • “While Deming provided the improvement approach for the industrial age, Doug provided the innovation approach for the knowledge age.” – Curt Carlson, President SRI International

2. Requires broad-based collective effort
   • Deep pilot experiments to push frontier and pave the way

3. Doug Engelbart Institute will be there!

4. Visit us on our new website to get acquainted
dougengelebart.org
Appreciation

“Behind every successful man is an amazing woman” … Thanks mom!

Show your appreciation for all Doug Engelbart has given by giving generously to the Doug Engelbart Institute
dougengelbart.org