

OPEN SOURCING TESTING

LET'S TEST CONFERENCE

09 MAY 2012

JULIAN HARTY

Contact me: julianharty@gmail.com

DEFINITIONS

OPEN SOURCE

OPEN SOURCE

Public

Available for Study, Use & Modification

The Open Source Definition

<http://www.opensource.org/docs/osd>

Includes the raw ingredients

**What about the recipe &
the 'secret sauce'?**

OPEN SOURCE TESTING

Publish

- **Tests**
- **Environment**
- **Data**
- **Techniques**
- **Results**
- **Assessment**

**PERMISSIVE
COLLABORATIVE**

STATE OF THE NATION

HEADLINES

HEADLINES

Certification schemes

Death of the Tester: James Whittaker

- StarWest 2011 - All That Testing is Getting in the Way of Quality
- <http://www.youtube.com/watch?v=yOrPuMCdVXA>

The Future of Quality: Goranka Bjedov

- <http://www.belgiumtestingdays.com/program.php?p=12>

The growth of open source test automation tools

OPEN SOURCE TESTING

SIMILAR PRACTICES

SIMILAR PRACTICES

EXPERIENTIAL

Peer Workshops

Let's Test

Conference

PRACTICE

Code Retreats

Test Automation

Workshop

Hackathons

EVIDENCE

Scientific Method

(in Software Testing)

Open Data

SHARING

Open Innovation

Blogs

Open publications

WHAT IS SCIENCE?

You are a scientist

Embracing the Scientific Method in Software Testing

Christin Wiedemann, Ph.D.

Professional Quality Assurance (PQA) Ltd.

What is Science?

- An attempt to explain the many phenomena of nature
- Search for unity, simplicity, order
- An open, free-thinking, public activity
- A way to knowledge
- Testable knowledge



NO death facts on SDAG.COM

C Weidemann's material at Let's Test

OPEN DATA

Government Initiatives

- <http://data.gov.uk/>
- Freedom of Information Act

Scientific Initiatives

- Distinguish Publishing Data from Publishing Papers
<http://www.springerlink.com/content/m15520un02772l61/fulltext.pdf>

CONTEXT

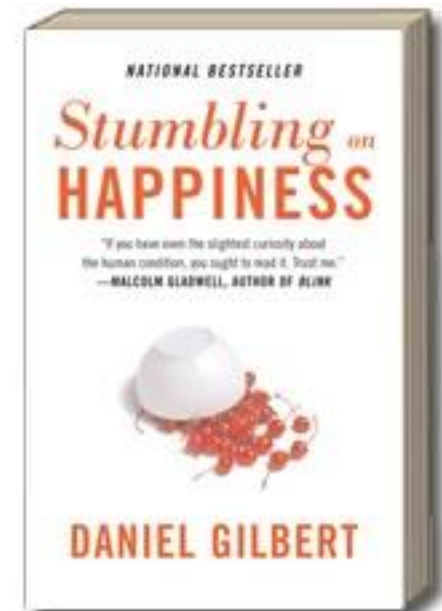
**WE'RE
SPECIAL!**

WE'RE SPECIAL... REALLY?

We like to believe we are

- special,
- unusual,
- better than average^[1]

World-class testers

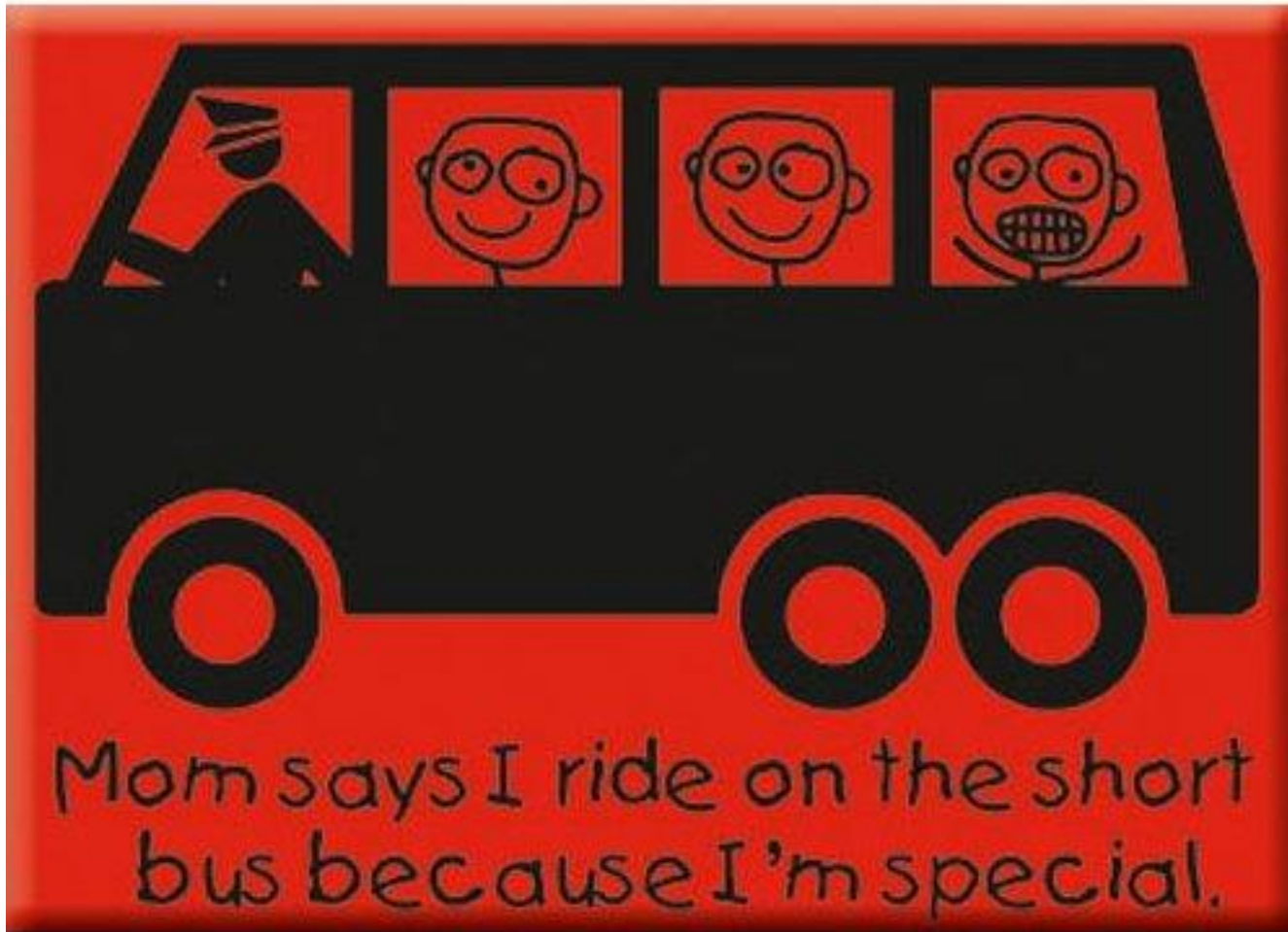


[1] "all the women are strong, all the men are good looking and all the children are above average,"

Garrison Keillor: Lake Woebegon

<http://www.randomhouse.com/kvpa/gilbert/>

I'M SPECIAL REVISITED...



Mom says I ride on the short
bus because I'm special.

MORE CONTEXT

COMPETITIVE ADVANTAGE

COMPETITIVE ADVANTAGE

WHAT DOES IT DO?

Acceleration

First among equals

CONCERNS

Political aspects?

Who are our
competitors?

EFFECTS

Exhilaration

Stimulating

Exhausting

Scary?

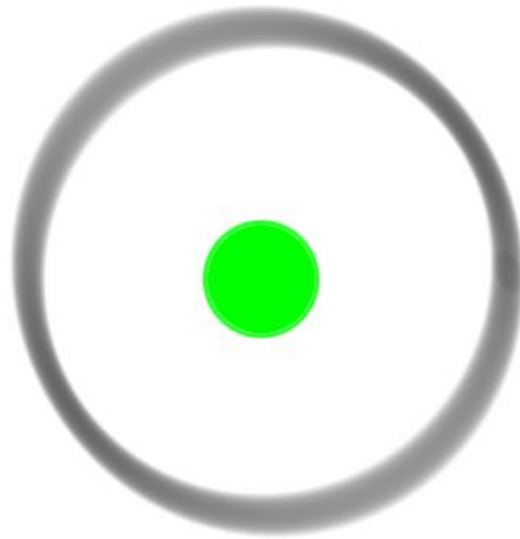
THE END OF AMERICA'S PRE-EMINENCE IN SCIENCE?

“Science is going on almost everywhere, and multi-national collaboration has become – or is becoming - the norm. Although technology development tends to be proprietary in nature, basic research – the seed corn of eventual innovation – is by and large open and accessible to everyone. He argued that the more seed corn, the better for everyone: any nation’s competitive advantage will ultimately come from its ability to harvest the corn and convert it into innovative products, not from how much basic research it can hoard itself.

...find much more efficient and effective ways to pool and leverage our science resources – our intellectual resources -- and foster easier and greater global collaboration in basic science.”

OUR WORLDVIEW?

Zoom

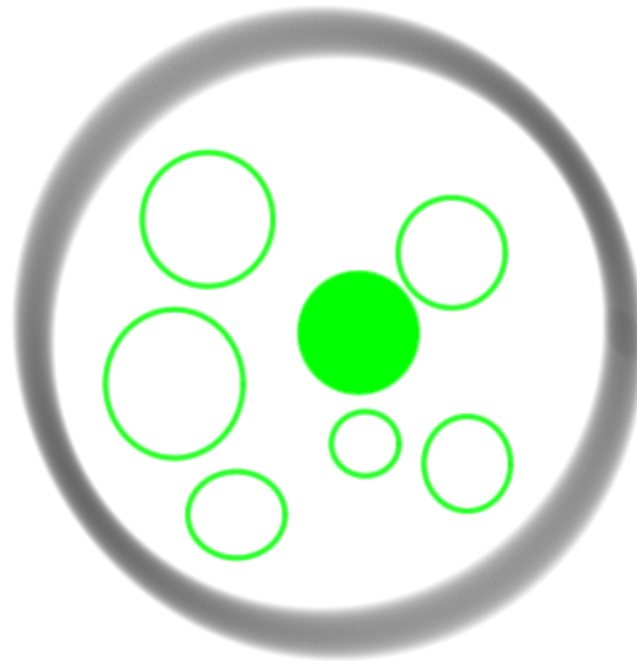


Our Focus & Scope

WORLDVIEW

SEPARATE ENTITIES

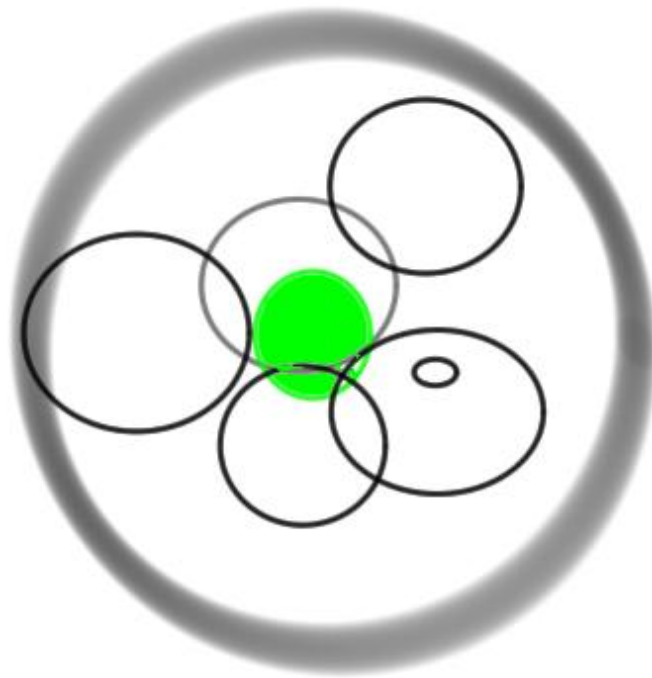
Zoom



Our Focus & Scope

WORLDVIEW OVERLAPPING ENTITIES

Zoom



Our Focus & Scope

COMPETITIVE ADVANTAGE

**WHO ARE WE
COMPETING
WITH?**

OPEN SOURCE TESTING

BENEFITS

BENEFITS

Repeatability

Review

Correction

Refinement & Enhancement

Community education

Attracting better people to your organisation?

Freedom to invest & reap the rewards of the investment

Evolution vs. Repetition

BENEFITS

SCOPE

Me

Team

Project

Company

Country

Community

Industry

STAKEHOLDERS

Testers

Business

Boss

Customers

End Users

OPEN SOURCE TESTING

**HOW MUCH
IS ENOUGH?**

OPEN SOURCE TESTING

THINGS TO CONSIDER

CONCERNS TO CONSIDER

Protecting

- Privacy
- Secret Sauce

Overcoming

- Stiction, Lethargy, Vested interests, Employment contracts

Risking

- What are we gambling?

New practices and business models

Not a panacea

- Open not necessarily High Quality!

SUCCESS FACTORS

Establishing thriving communities

Benign Dictators

What do you want to optimise situations and outcomes for?

Ask “What can I share?” that doesn’t risk “too much”

OPEN SOURCE TESTING

SUPPORTING MATERIAL

SUPPORTING MATERIAL

Legal Structures

- **Creative Commons**
- **Free and Open Source Software (FOSS) Licenses**

OPEN SOURCE TESTING

**IF NOT NOW,
WHEN?**

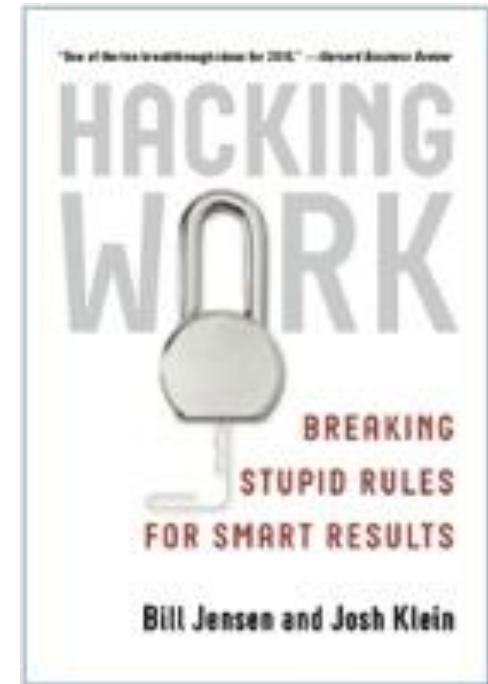
IF NOT NOW, WHEN?

If not you, who?

Opening the Kimono

- Be open and be open to correction
- The tester, tested?

Breaking stupid rules for smart results



THE UNASKED QUESTIONS

**OVER TO
YOU**

Contact me: julianharty@gmail.com