The Pop Culture Guide to Open Source

Presented by
Ruth Suehle
@suehle
ruth@redhat.com

What is open source?

. . . fundamentally?

CC-BY-NC clappstar

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RAPID
PROTOTYPING
TRANSPARENCY
COMMUNITY
OPENNESS
MERITOCRACY
SHARING

Open source spreads

- Linux
- Firefox
- Android
- Thunderbird
- Roku
- Chumby (RIP)
- Raspberry Pi
- Garmin Nuvi (and other GPS devices)
- Arduino
- WordPress
- Audacity
- Pidgin
- Calibre

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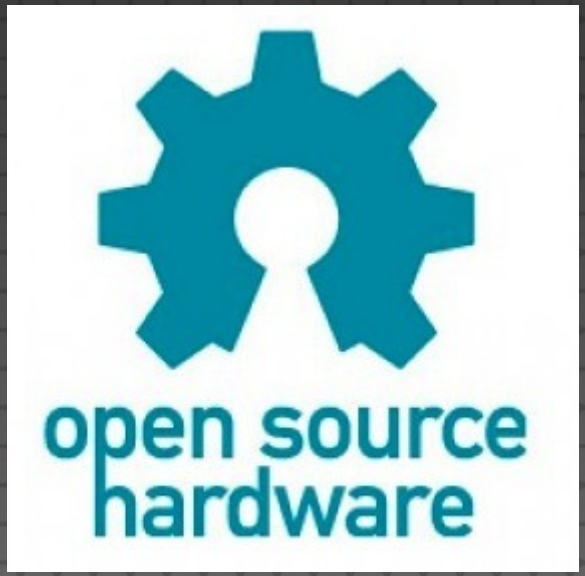
Open source hardware

- Still growing
- Licensing challenges
- Open Source Hardware Association (OSHWA)



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Open source hardware

CC BY Annika OBrien

- Arduino
- Raspberry Pi
- 3D printing

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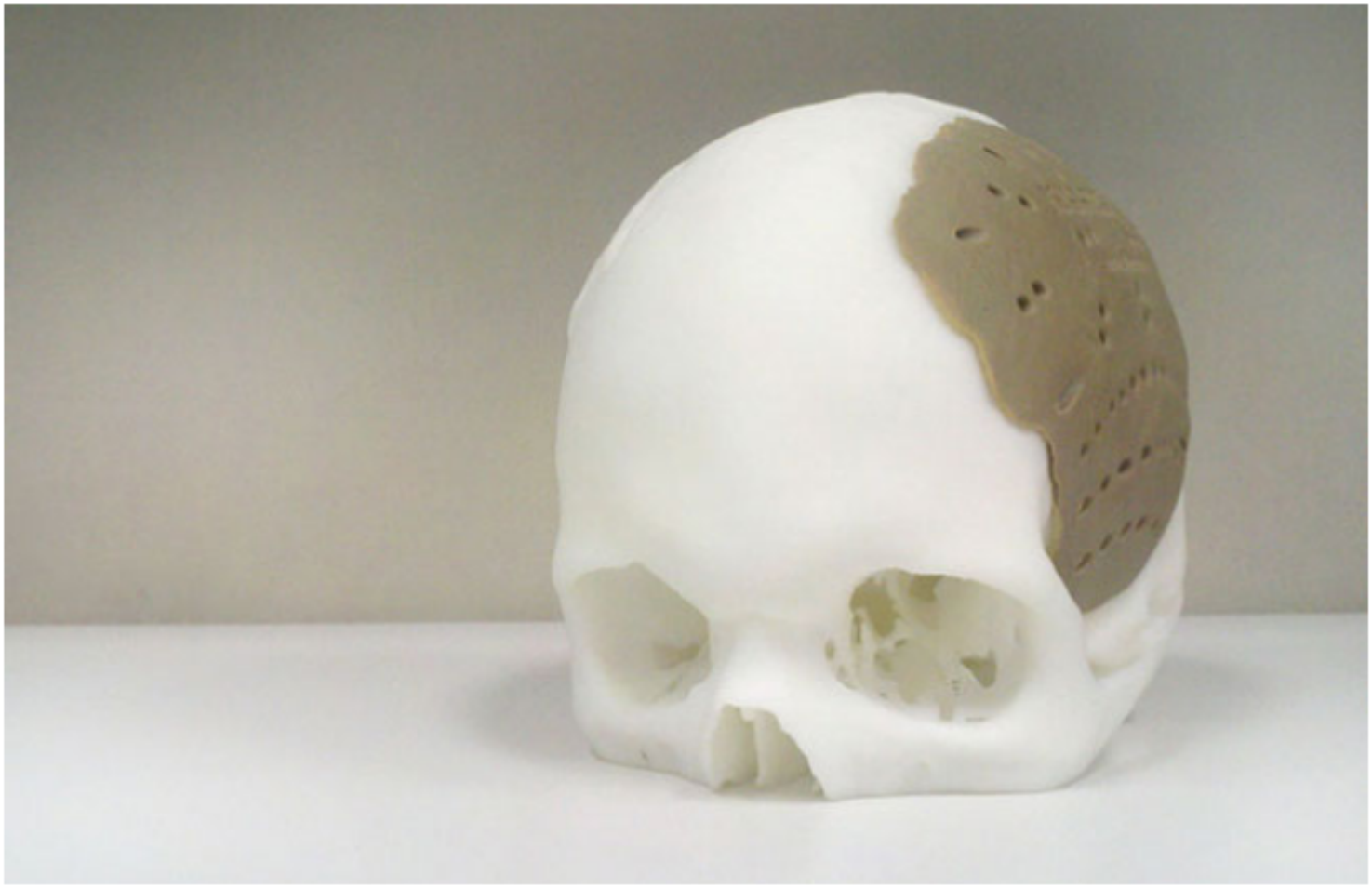
BIOTECHNOLOGY

3D-Printed Skull Implant Ready for Operation

MAR 7, 2013 10:05 AM ET // BY TECHNEWSDAILY



The precision offered by 3-D printing can make tiny surface details on the replacement part that encourage the growth of cells and allow the bone to attach more easily.

OSTEOFAB

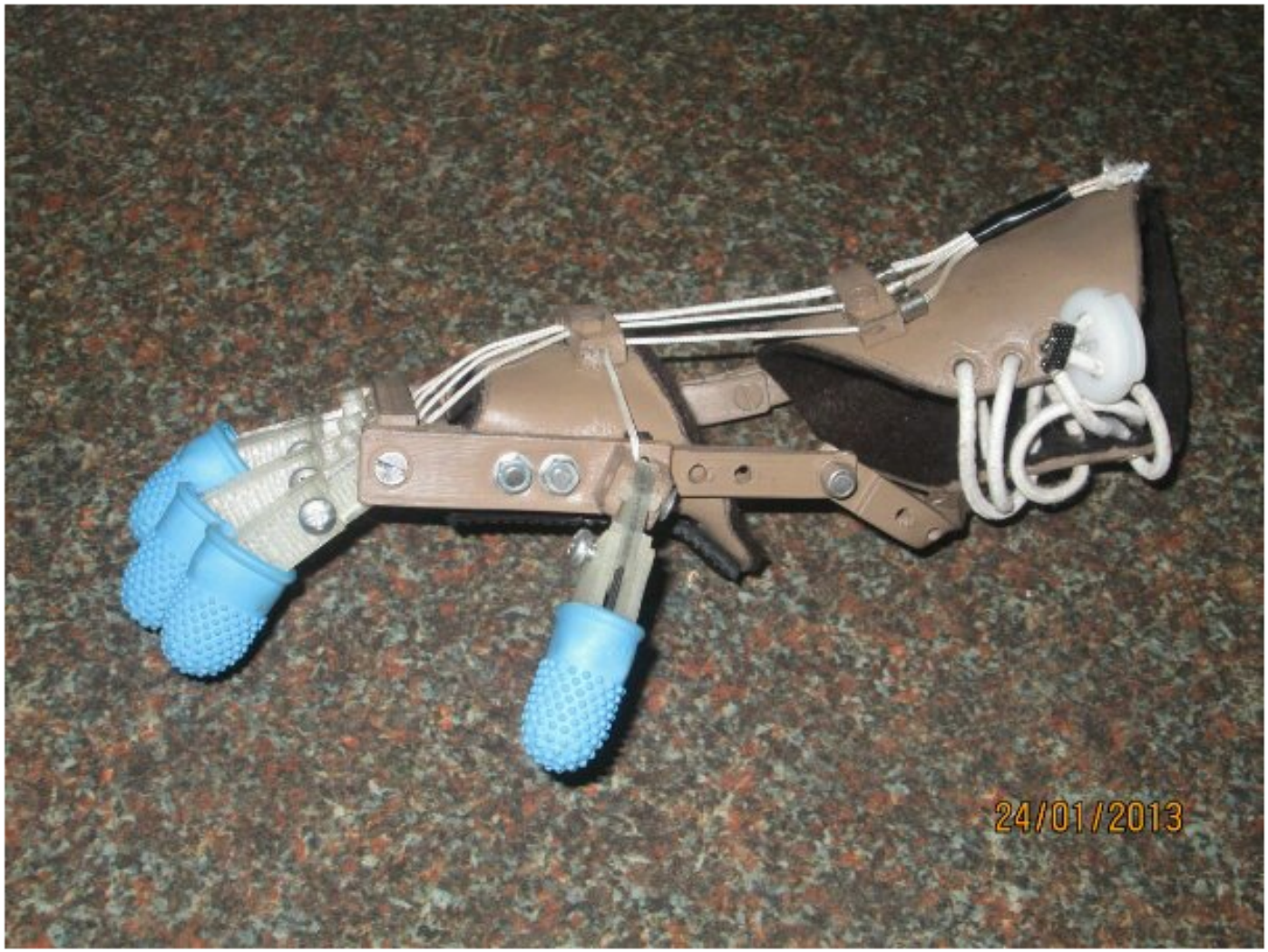
http://news.discovery.com/tech/biotechnology/3-d-printed-skull-130307.htm

Robohand: How cheap 3D printers built a replacement hand for a five-year old boy

Creators make the design public domain to help people who can't afford prostheses.

by **Sean Gallagher** - Feb 1 2013, 4:15pm EST

INFORMATION TECHNOLOGY OPEN SOURCE 56



http://arstechnica.com/information-technology/2013/02/robohand-how-cheap-3d-printers-built-a-replacement-hand-for-a-five-year-old-boy/

First ever: UK scientists use 3D printer to print human stem cells

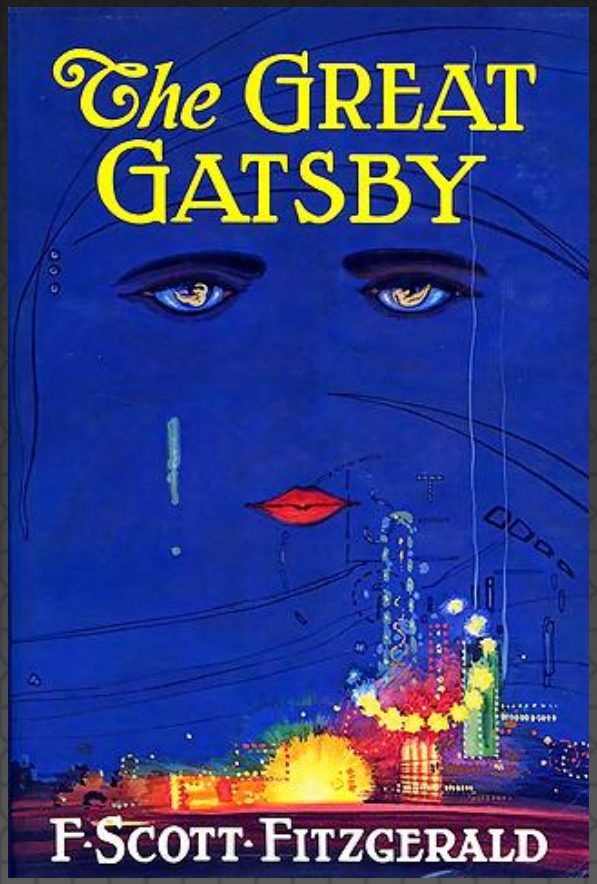
February 6, 2013 10:49 AM
John Koetsier

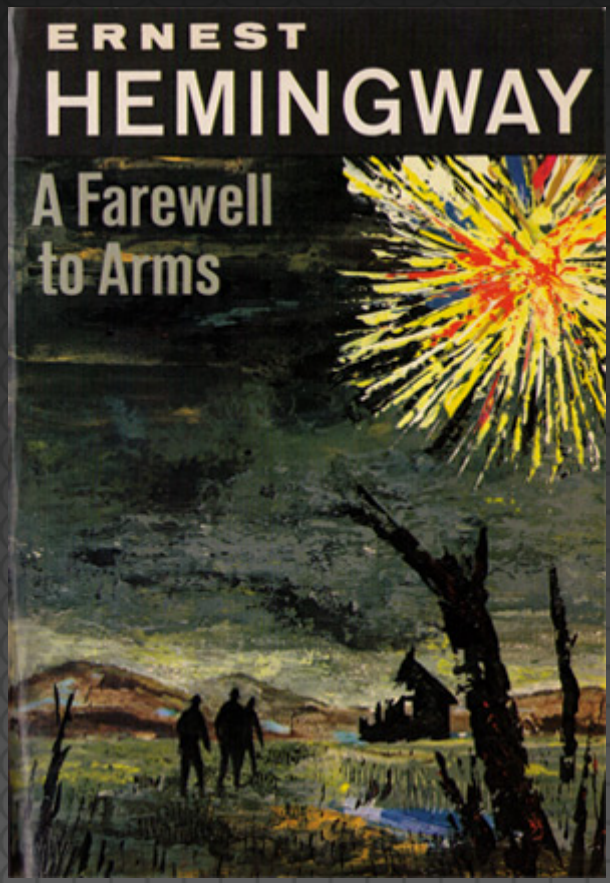
2 Comments

http://venturebeat.com/2013/02/06/first-ever-uk-scientists-use-3d-printer-to-print-human-stem-cells/

Not sharing is
no longer an option.

All art is derivative





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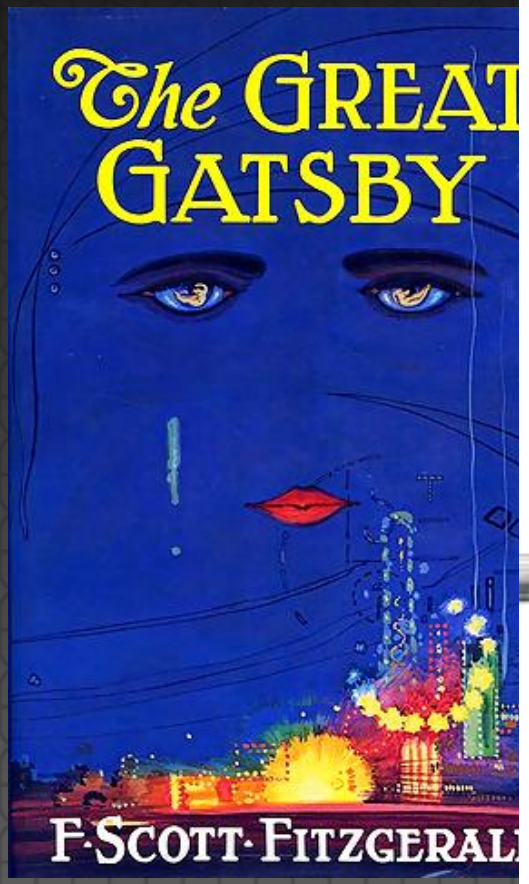

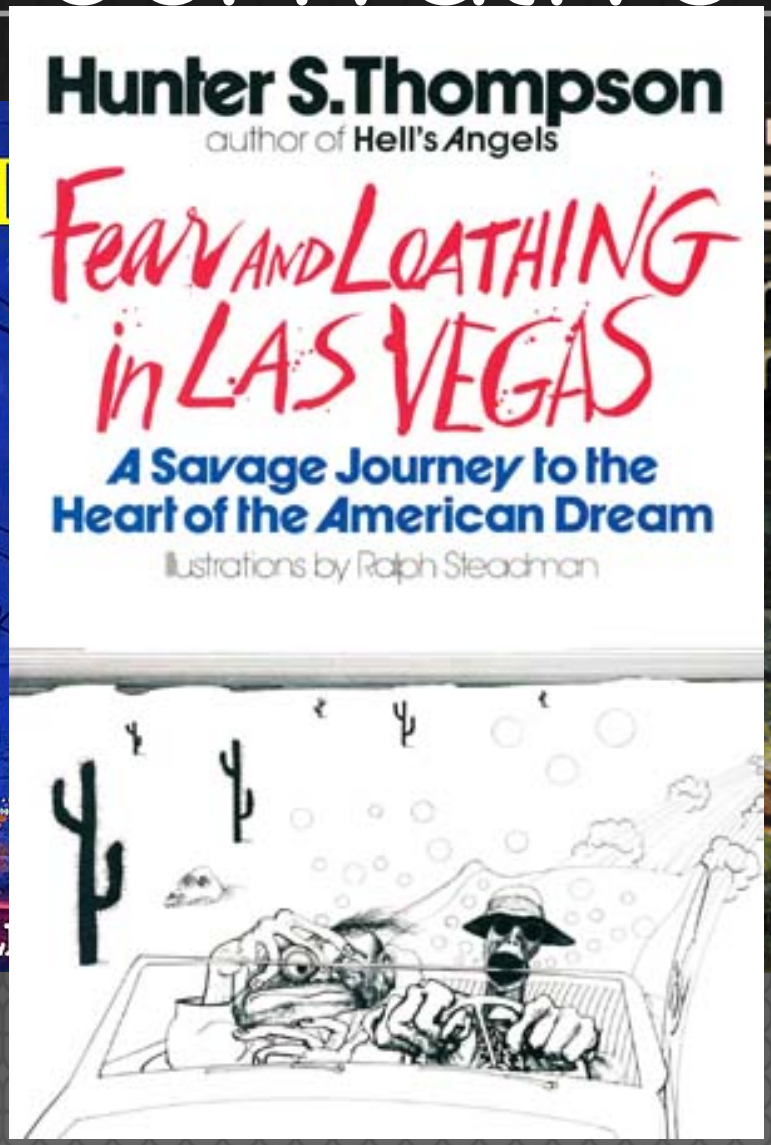

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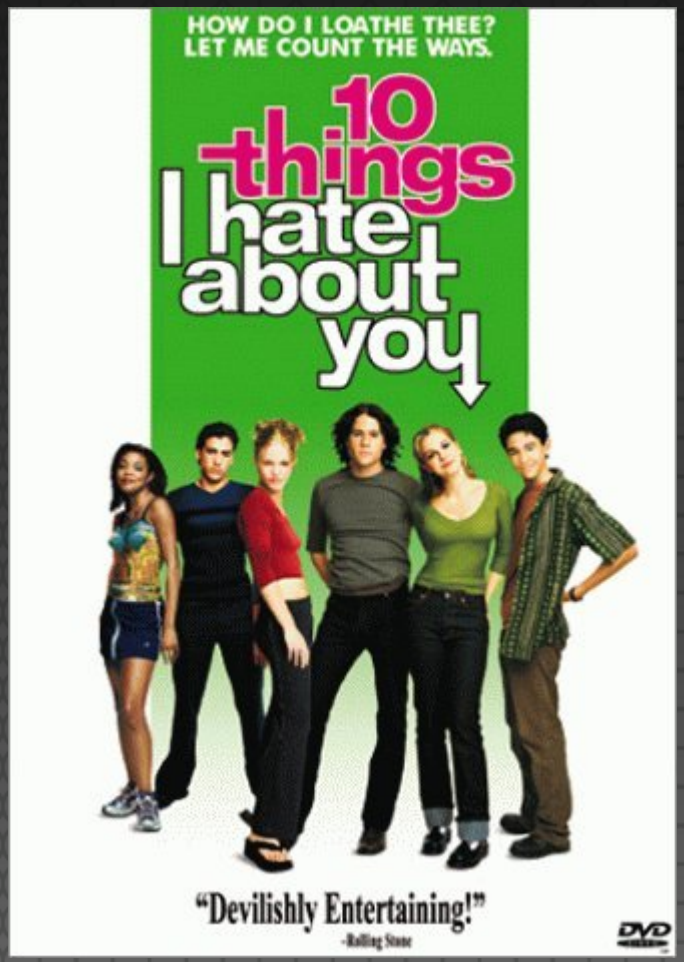

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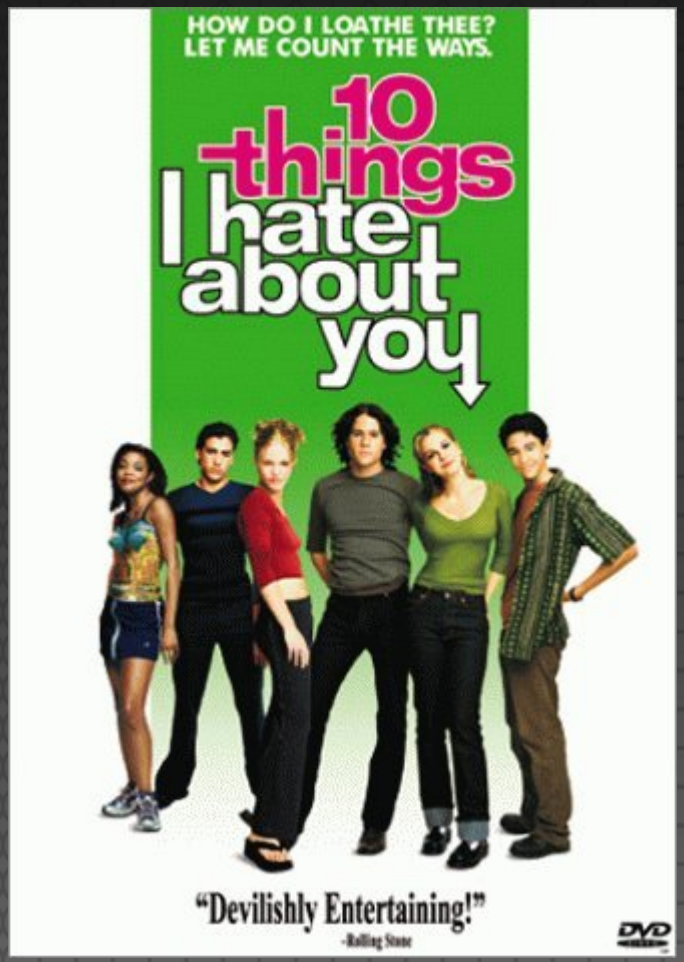
All art is derivative



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All art is d

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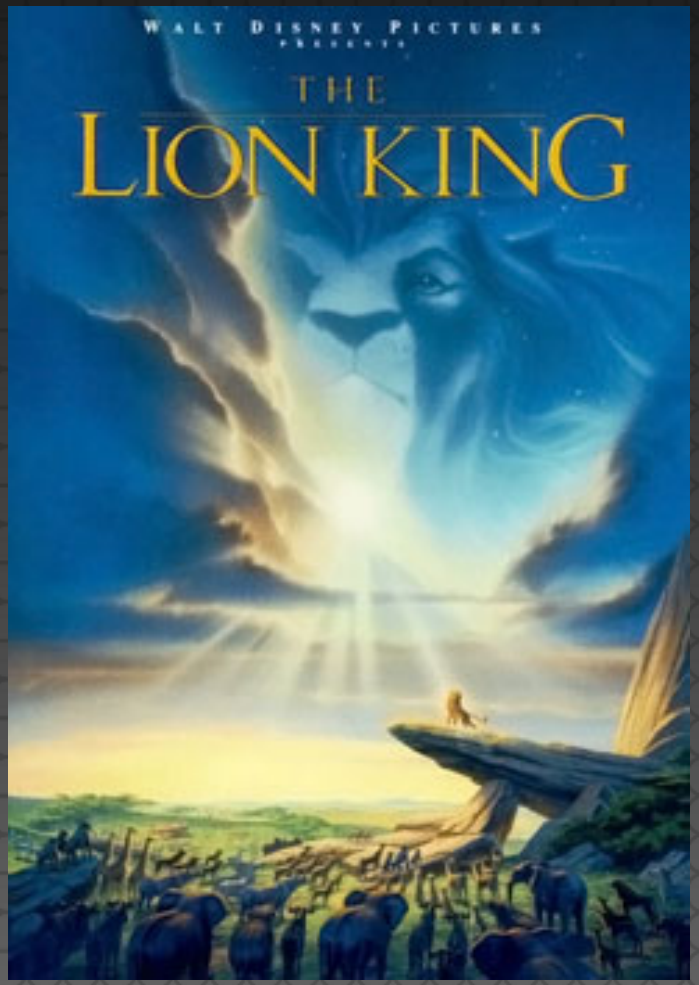
All art is derivative



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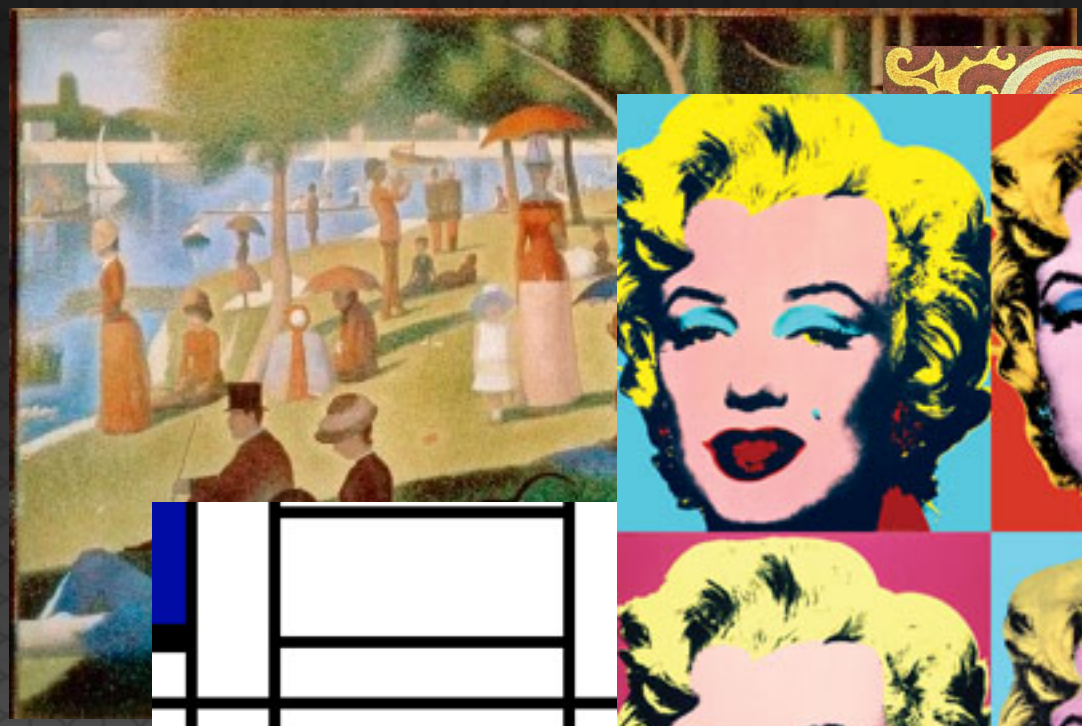
THE EVOLUTION

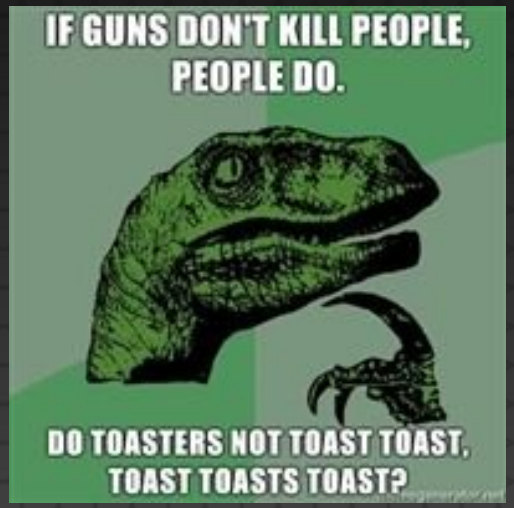


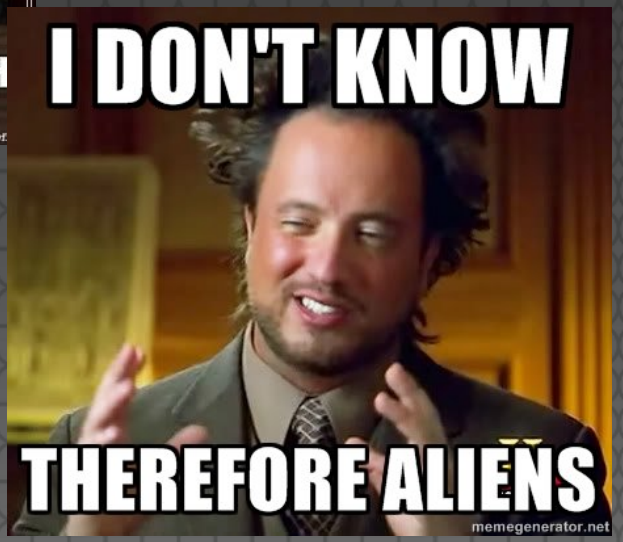
ANDY WARHOL

THE EVOLUTION OF ART

ANDY WARHOL

Internet memes





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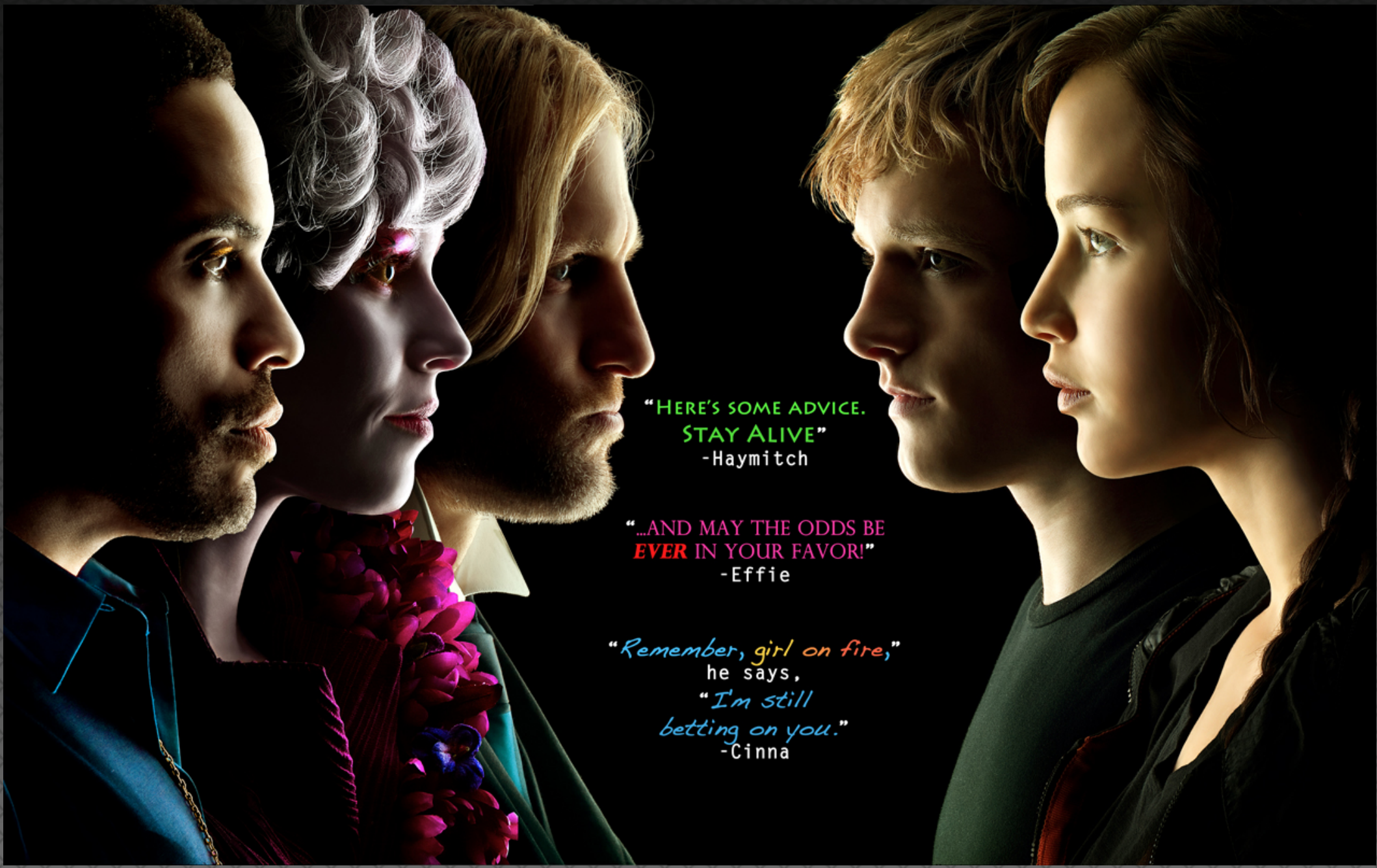
SHARING
TRANSPARENCY
MERITOCRACY
RAPID PROTOTYPING
COMMUNITY

TV

MOVIES


"HERE'S SOME ADVICE.
STAY ALIVE"
-Haymitch
"...AND MAY THE ODDS BE
EVER IN YOUR FAVOR!"
-Effie
"Remember, girl on fire,"
he says,
"I'm still
betting on you."
-Cinna

MUSIC

VIDEO GAMES

EVEN LOLCATS

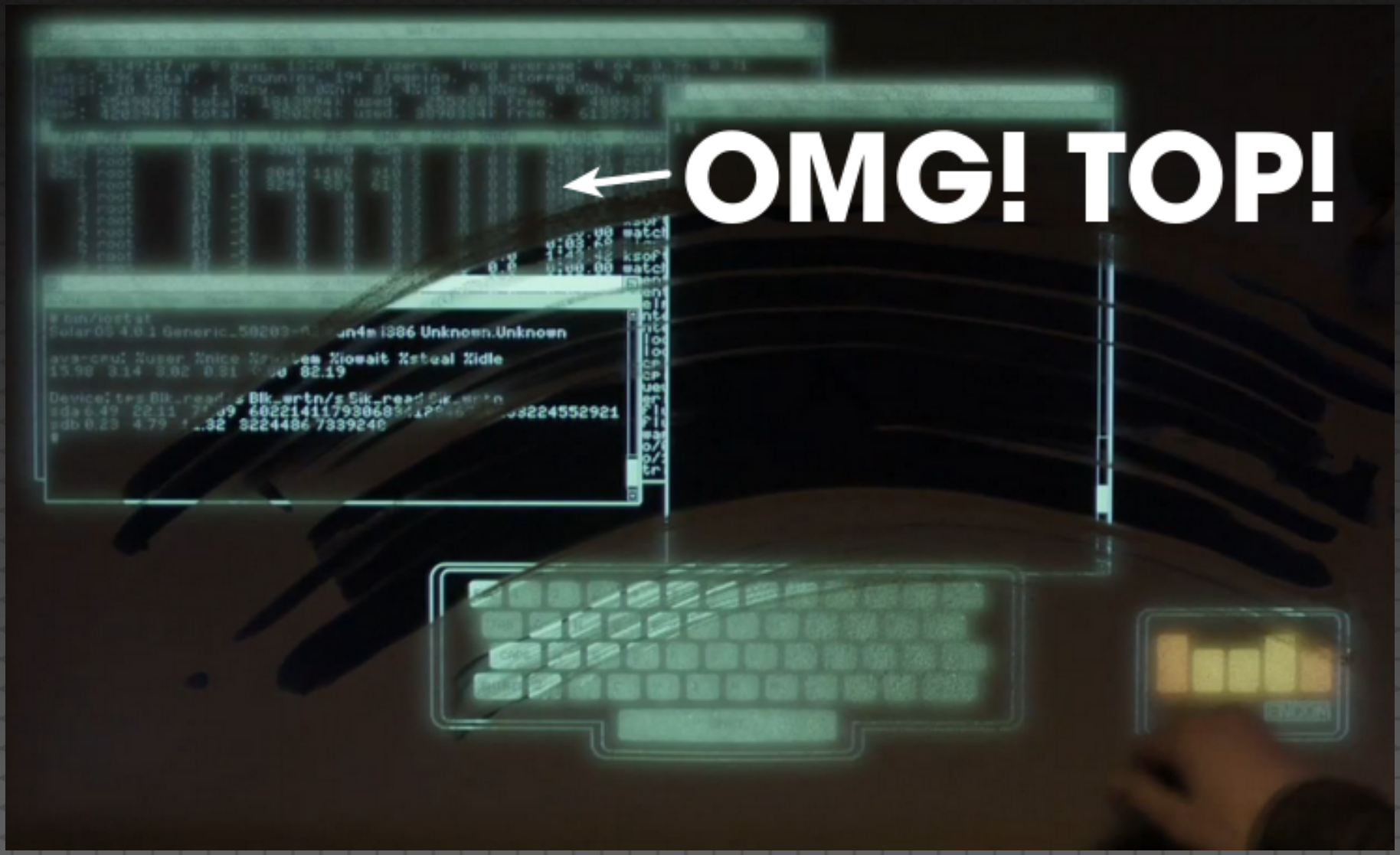
SHARING

TRANSPARENCY

MERITOCRACY

RAPID PROTOTYPING

COMMUNITY


OMG! TOP!

Everybody wants to rule the world...

By Florence Yum,, courtesy of Curt Smith

CC patrick h. lauke6t

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Ghosts I-IV

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The public domain: 2013

CC-BY-SA http://web.law.duke.edu/cspd/publicdomainday/2013/pre-1976

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The public domain black hole

Copyright then

- 14 years

- opt-in

- renew for another 14

- 85% of books written in 1984 would have entered the public domain this year

Copyright now

- 95 years

- opt-out

Books, movies, TV, songs, and more that you won't see freed this year

Philip K. Dick's Minority Report | Old Yeller | My Fair Lady | 101 Dalmatians | Around the World in 80 Days | Forbidden Planet | Godzilla, King of the Monsters! | The King and I | Cecil B. DeMille's 1956 The Ten Commandments | "Let the Good Times Roll" "Fever" | "In the Still of the Night" | "I Walk The Line | "Heartbreak Hotel" | " Don't Be Cruel" | "Love Me Tender" | The first issues of MAD magazine and New Scientist | Walt Disney's Mickey Mouse Club Magazine | The short-lived science fiction magazines Satellite, Science Fiction Adventures, and Super Science Fiction

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Oh, Disney...

The Little Mermaid: Hans Christian Andersen, 1837 (originally a ballet)

The Lion King: part Biblical Joseph and Moses, part Hamlet, 1600ish

Snow White, Tangled: Brothers Grimm, early 1800s

Pinocchio: Carlo Collodi, 1881-1883 series

Peter Pan: J. M. Barrie, 1904

Sleeping Beauty: Charles Perrault, 1697

Beauty and the Beast: Cabrielle-Suzanne Barbot de Villeneuve, 1740

Aladdin: Middle Eastern folk tales, ~1000

Mulan: Legend of Hua Mulan, 386-534, first transcribed 6th century

The Hunchback of Notre Dame: Victor Hugo, 1831

Hercules: Roman mythology

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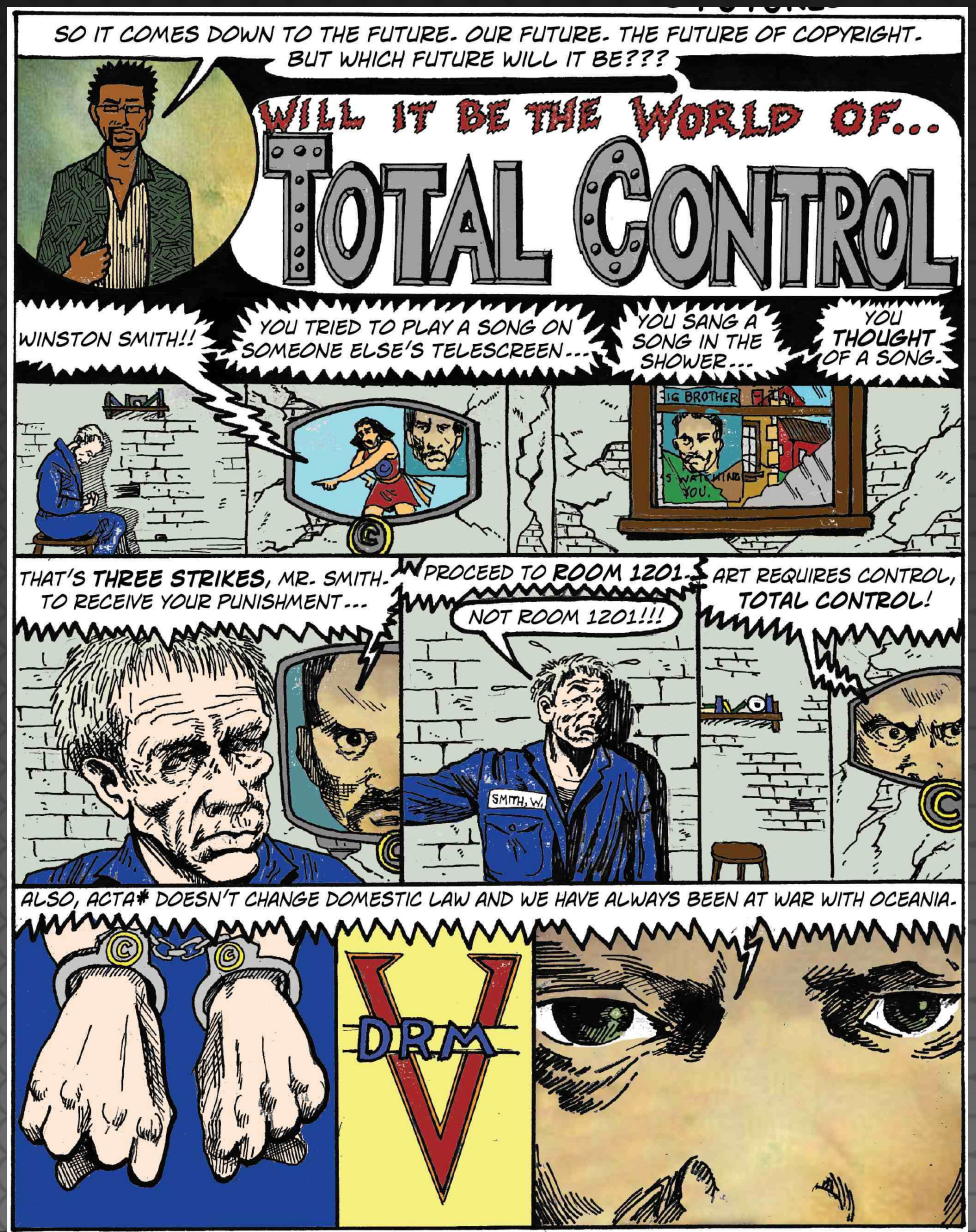
Theft! A History of Music



"Any musical innovation is full of danger in the whole State, and ought to be prohibited!"
- Plato

"The VCR [would be] to the American film producer and the American public as the Boston strangler is to the woman home alone."
- Jack Valenti, MPAA

"100 Miles and Runnin'": N.W.A. vs. Funkadelic

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Oh, McQueen...

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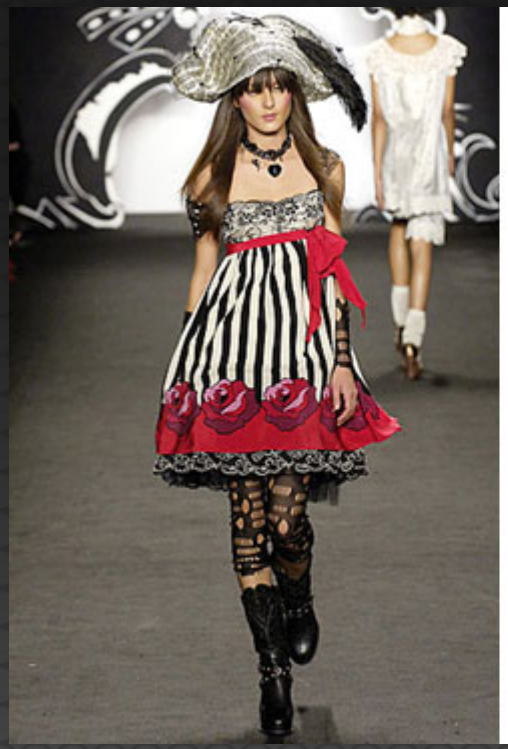
Sarah Burton design from McQueen
Fall/winter 2012

Hunger Games promotional photo

McQueen Fall 2011 gown

Hunger Games promotional photo



Real rationality

CC-BY-SA Profound Whatever

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SHARING

TRANSPARENCY

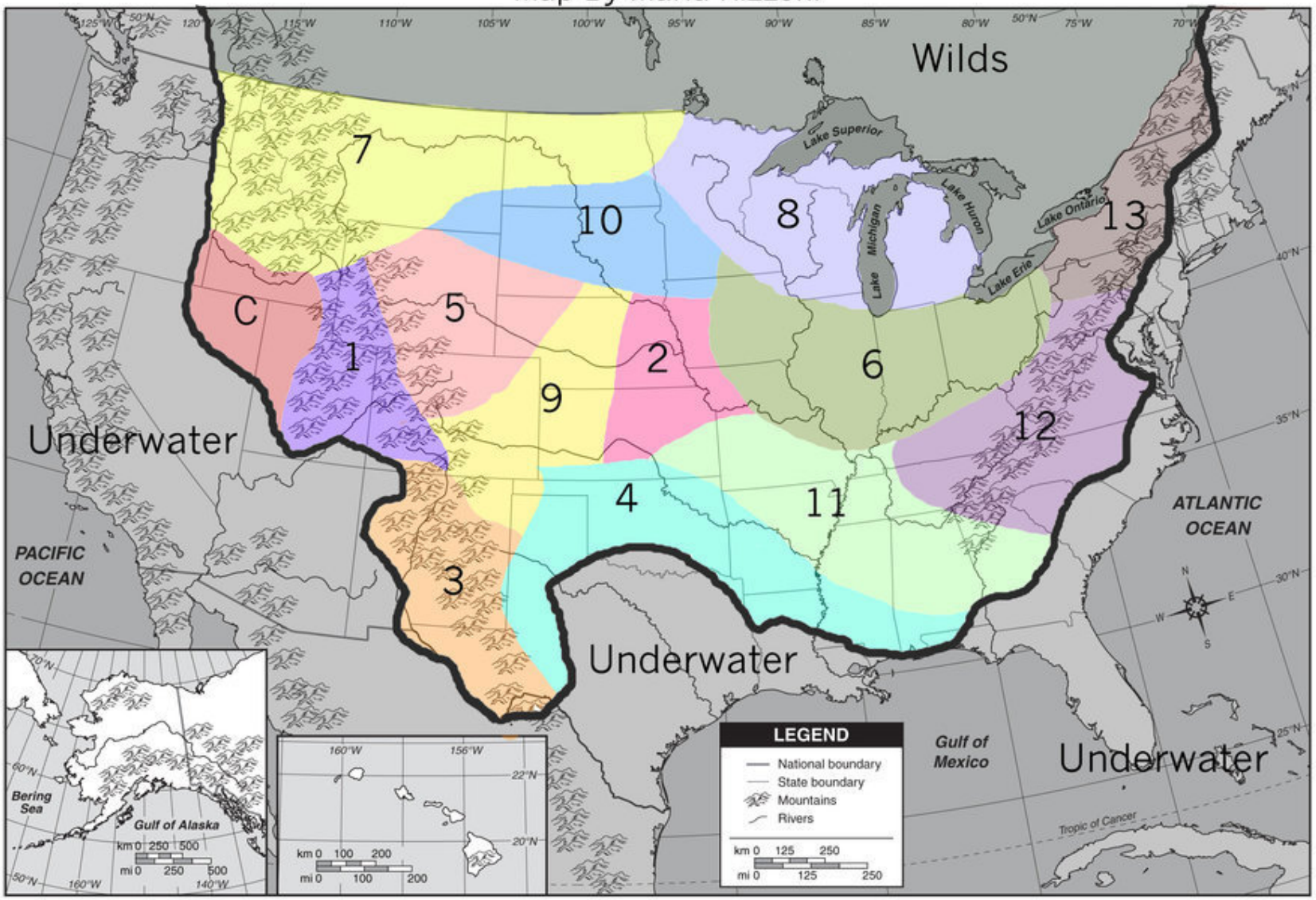
MERITOCRACY

RAPID PROTOTYPING

COMMUNITY

Panem: Hunger Games

Map By Maria Rizzoni



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SHARING
TRANSPARENCY
MERITOCRACY
RAPID PROTOTYPING
COMMUNITY

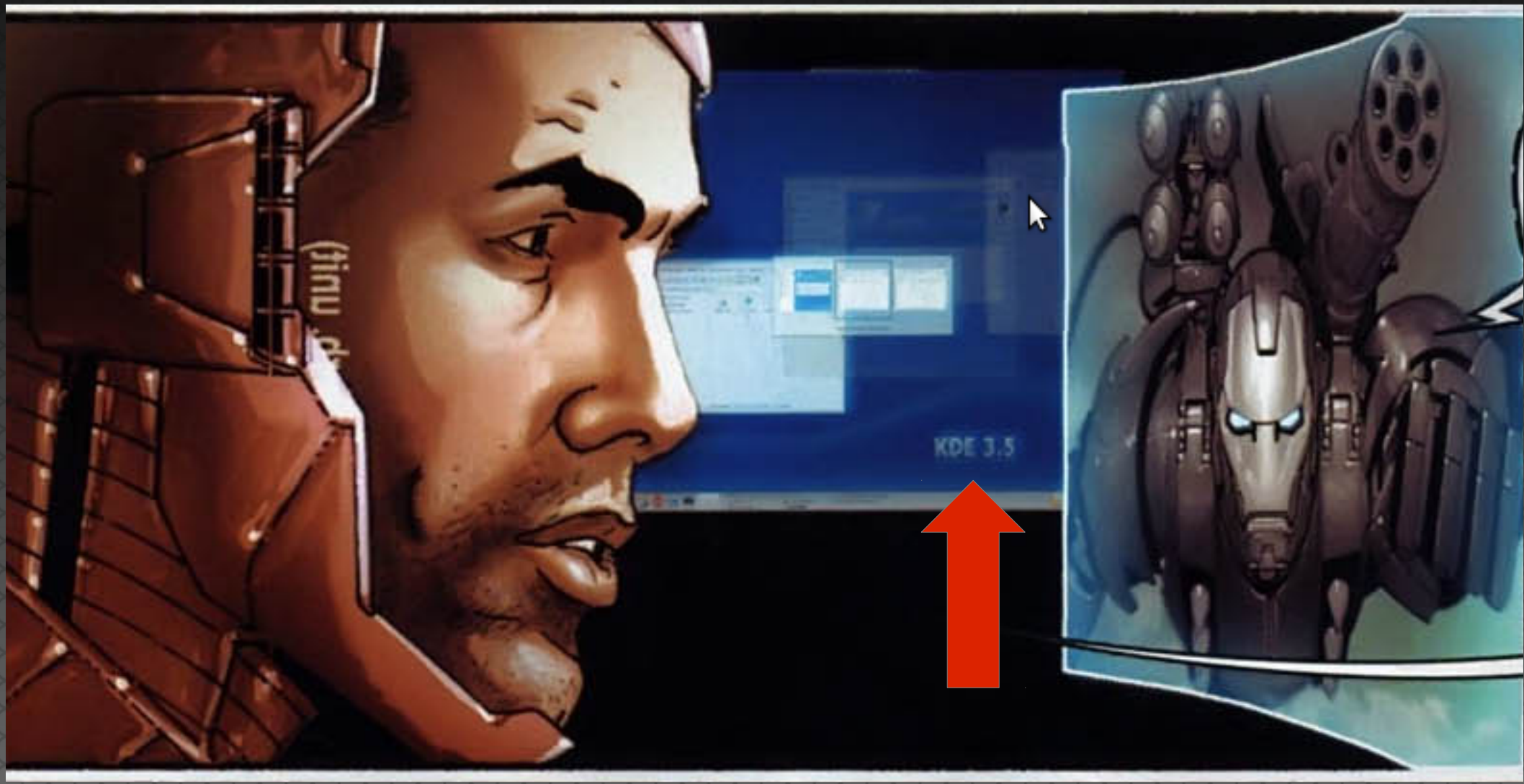
REALITY TV

LOST

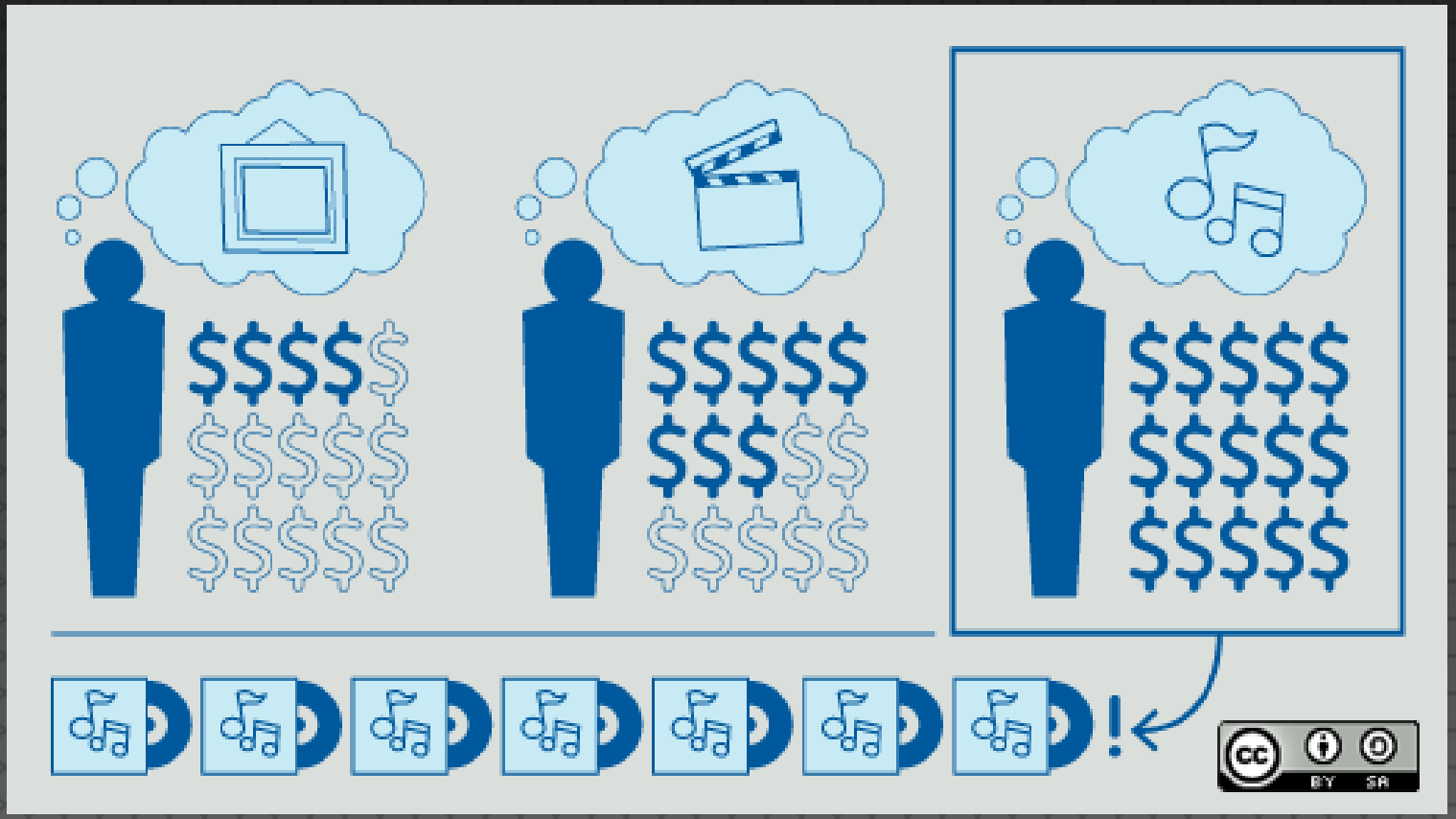
STAR TREK
ONLINE
CRYPTIC

SHARING
TRANSPARENCY
MERITOCRACY
RAPID PROTOTYPING
COMMUNITY

MAIN VIEW | MONITOR 1.0C
STARK INDUSTRIES
IRON MAN
MARK 1
MARK 2
MARK 3
MARVEL
.com


KDE 3.5

Kickstarter



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SHARING
TRANSPARENCY
MERITOCRACY
RAPID PROTOTYPING
COMMUNITY

SHARING
TRANSPARENCY
MERITOCRACY
RAPID PROTOTYPING
COMMUNITY
(Collaboration)

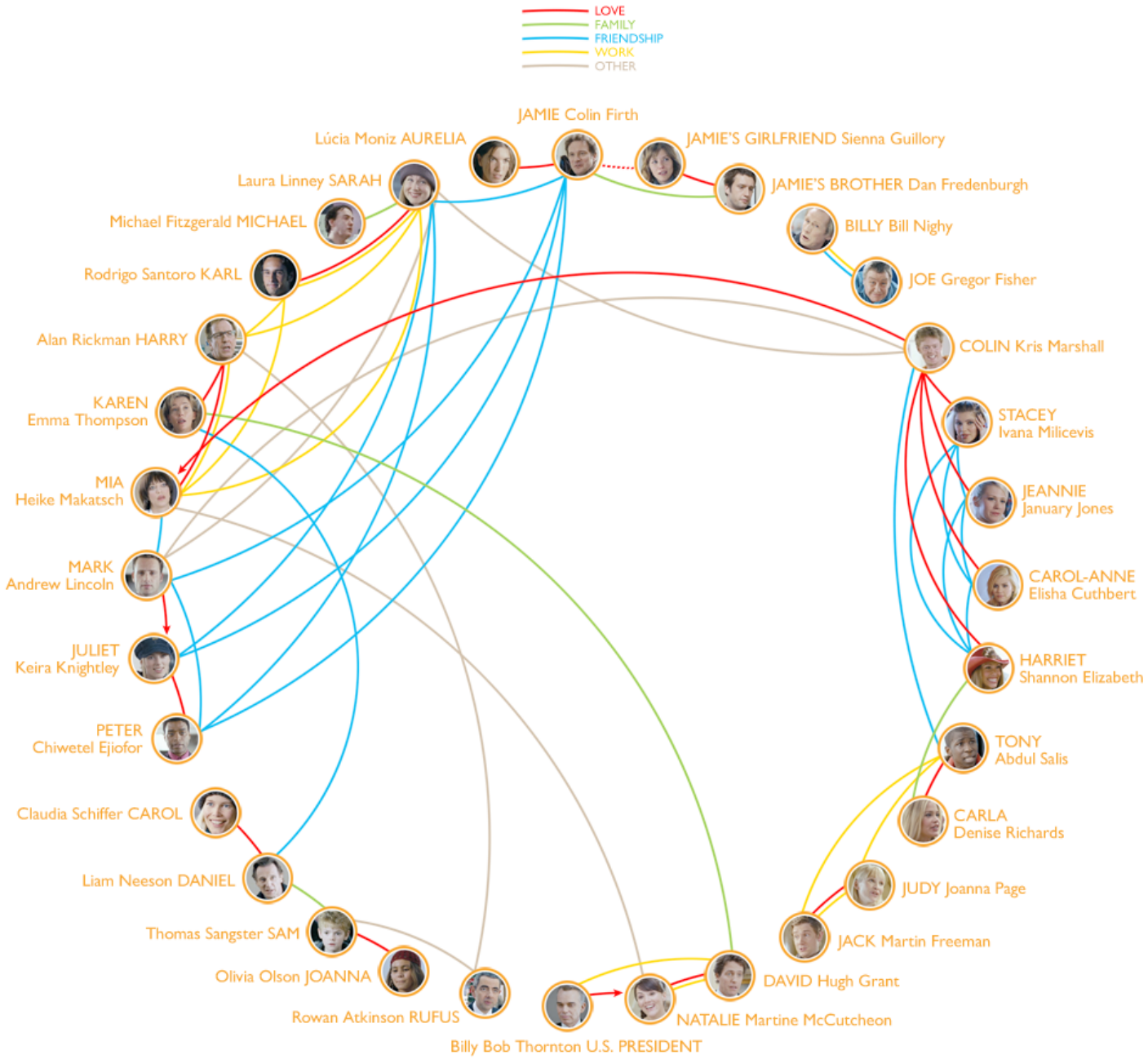
dccomics.com

TM & © 2006 DC Comics

Buffy
the Vampire Slayer

LOVE ACTUALLY

CONNECTIONS OF CHARACTERS



The common denominator

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What is open source?

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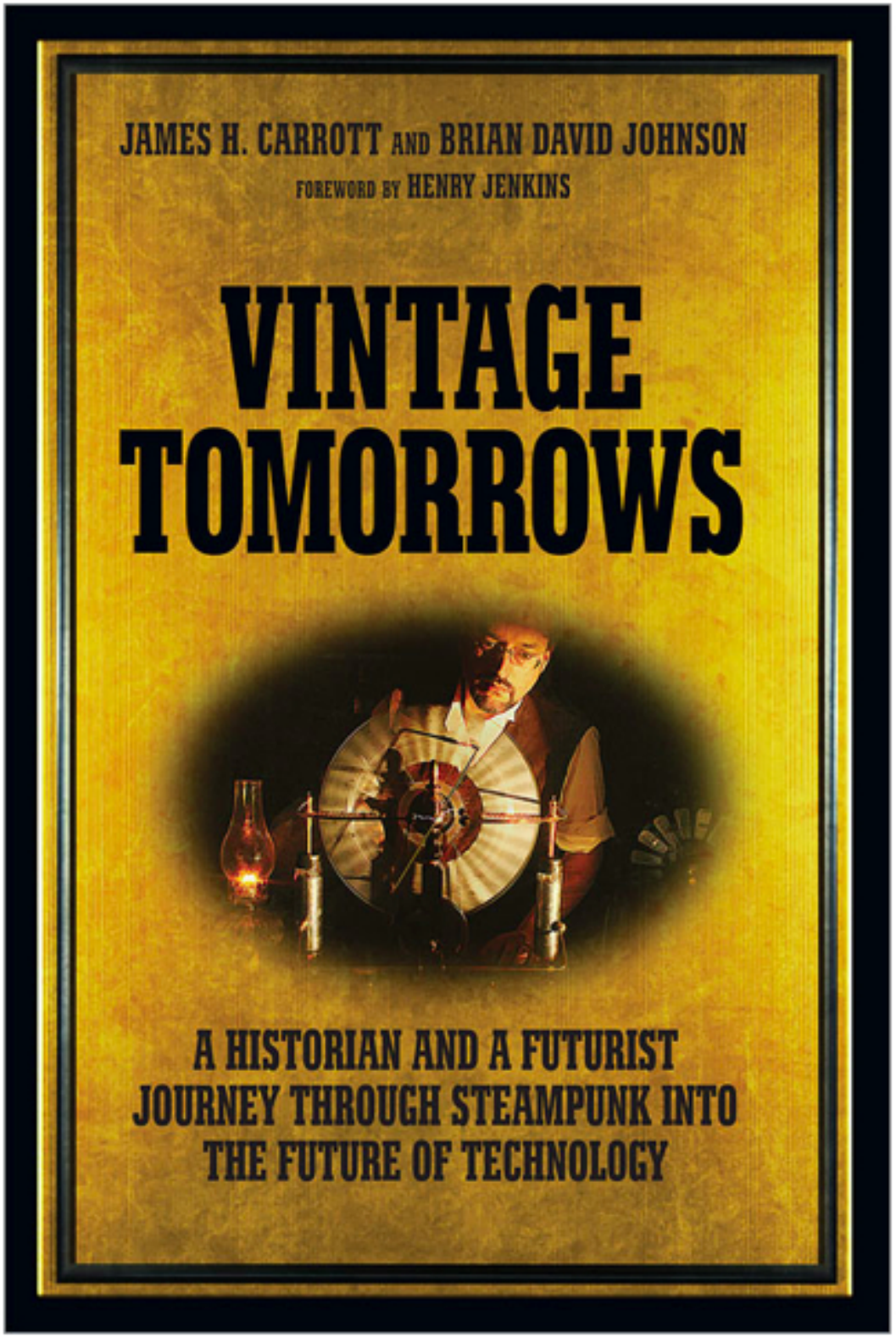
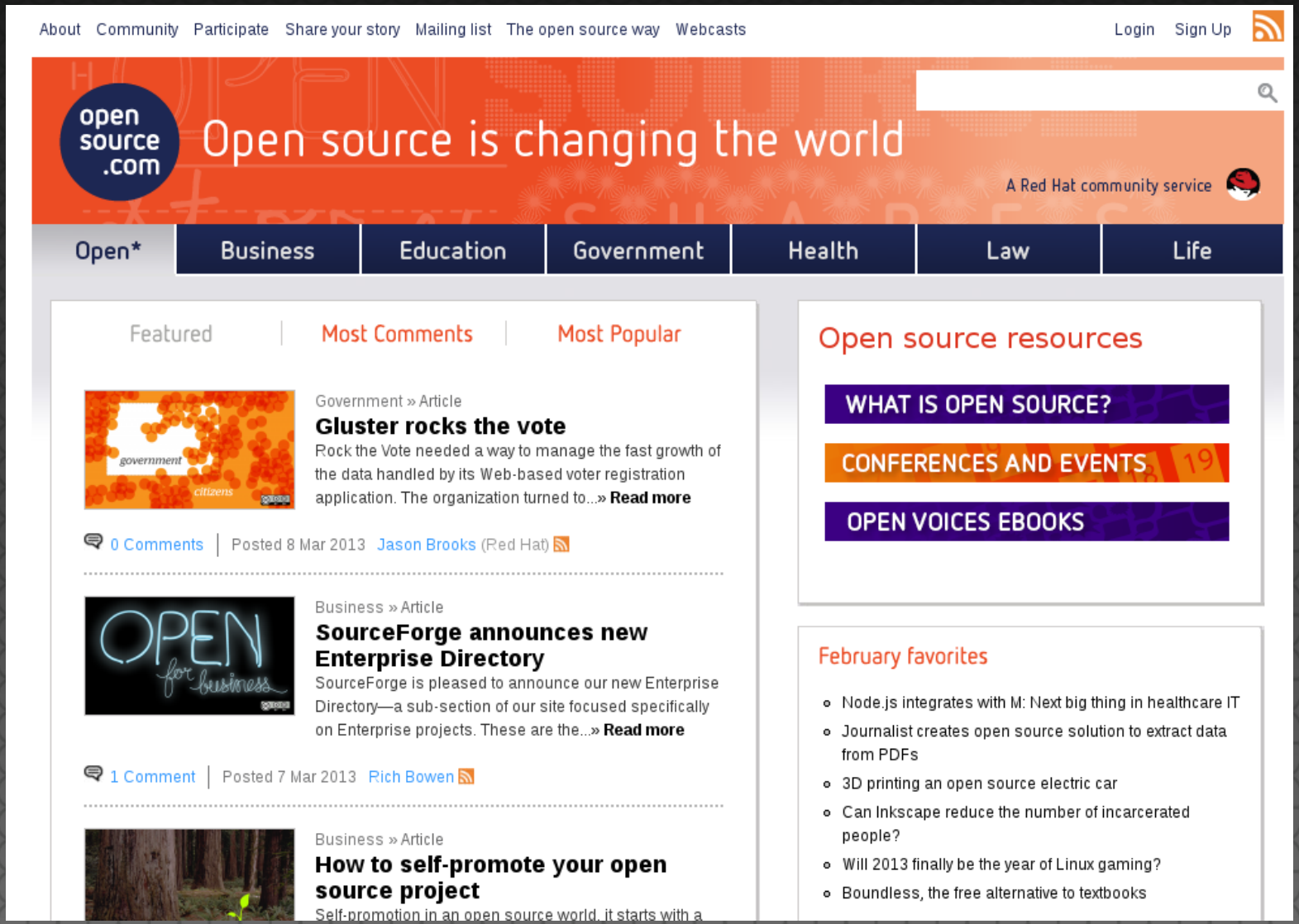

JAMES H. CARROTT AND BRIAN DAVID JOHNSON
FOREWORD BY HENRY JENKINS
VINTAGE TOMORROWS
A HISTORIAN AND A FUTURIST JOURNEY THROUGH STEAMPUNK INTO THE FUTURE OF TECHNOLOGY

OpenSource.com



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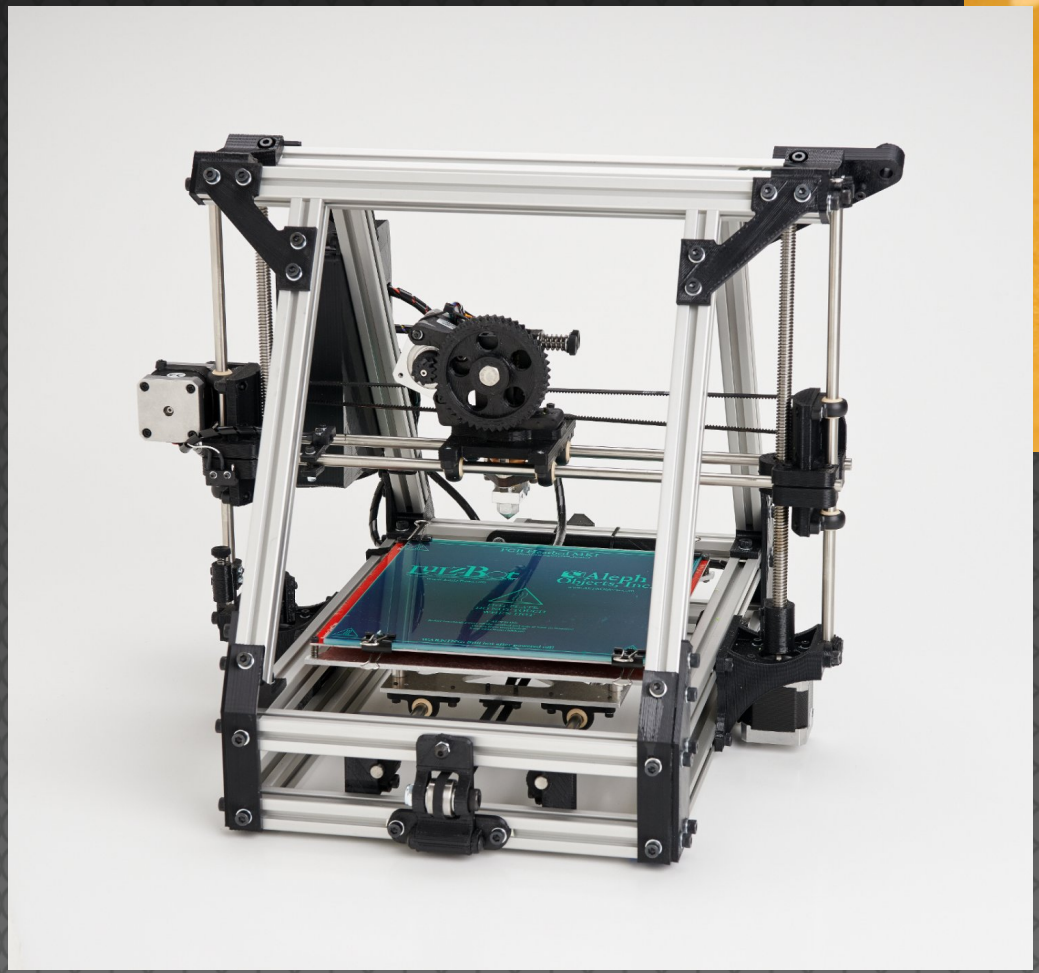
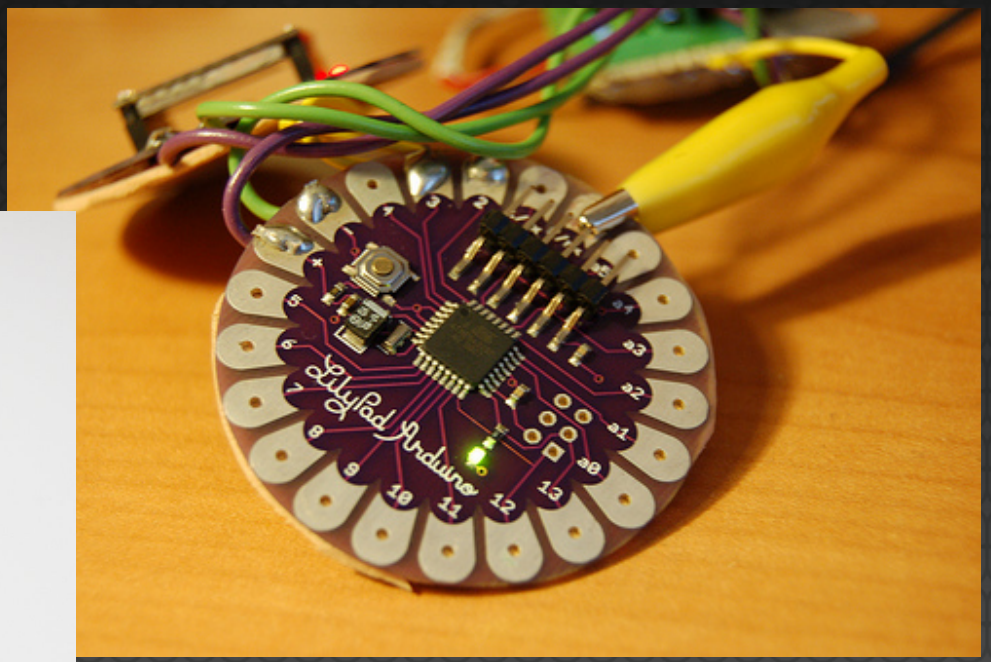
The future of innovation





LilyPad Arduino photo by Team Tanenbaum

AO-101 photo by Lulzbot

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The future of innovation

Robohand: How cheap 3D printers built a replacement hand for a five-year old boy

Creators make the design public domain to help people who can't afford

by **Sean Gallagher** - Feb 1 2013, 4:15pm EST

INFORMATION TECH

CITIZEN SENSOR

••• DIY Pollution Monitoring •••

BIOTECHNOLOGY

3D-Printed Skull Implant Ready for Operation

MAR 7, 2013 10:05 AM ET // BY TECHNEWSDAILY

printing can make tiny surface details on the replacement part that
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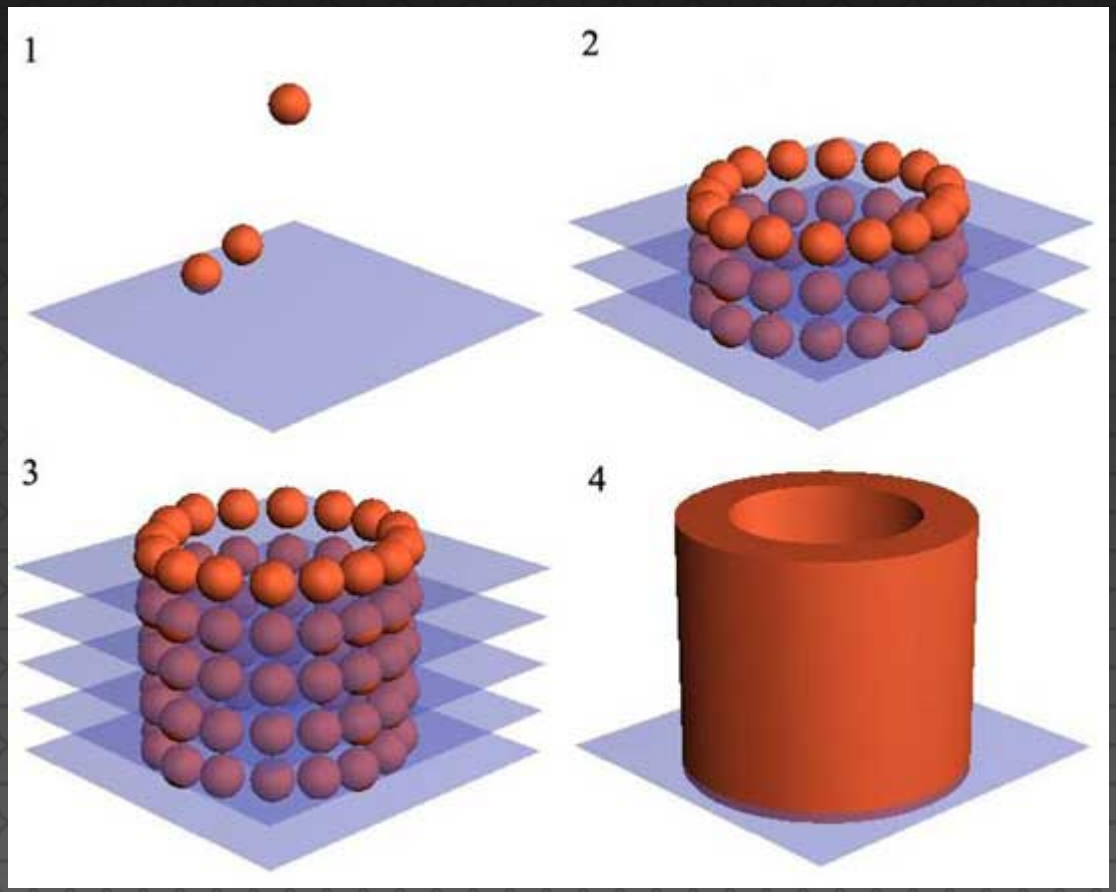
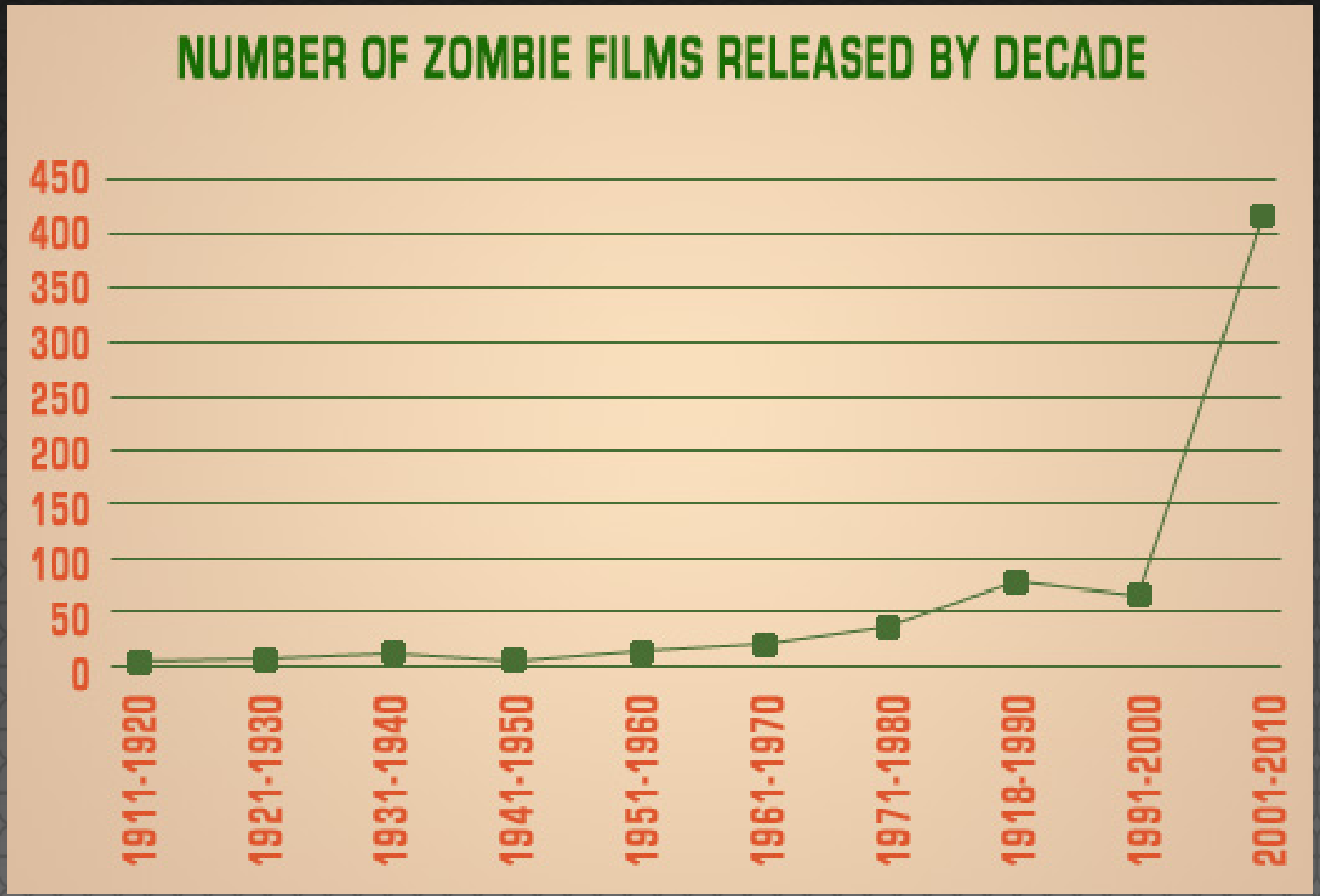
BIOPRINTING



Opensource.com/zombie



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No more reboots

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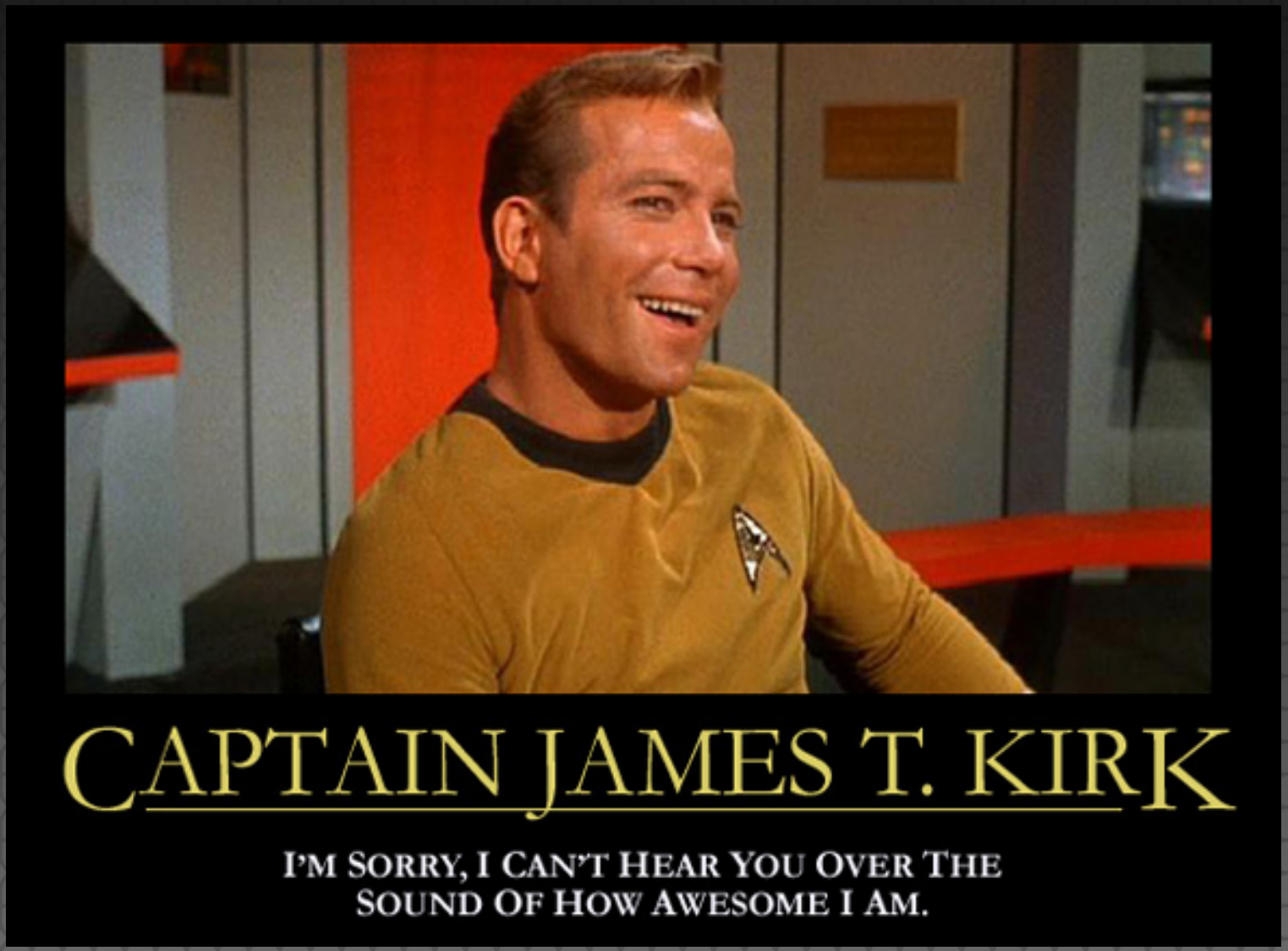
Sheldon Cooper would be proud



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Wait, was this a good idea?

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Contact

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  ruth@redhat.com

- OpenSource.com
  @opensourceway

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