### The Pop Culture Guide to Open Source

Presented by Ruth Suehle @suehle ruth@redhat.com

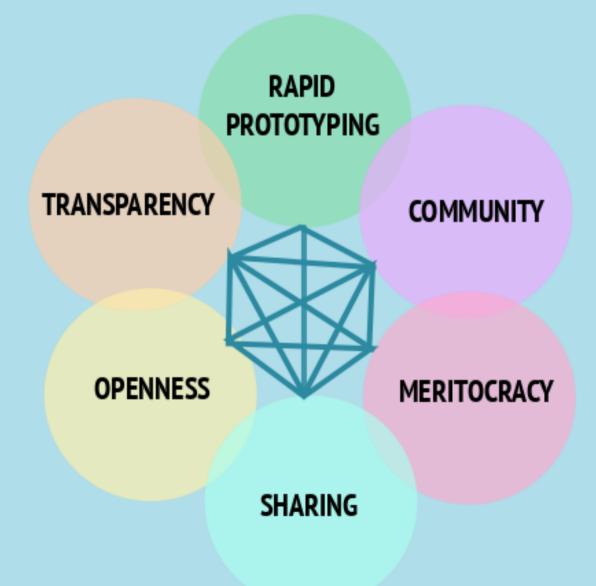
### What is open source?

### ... fundamentally?



CC-BY-NC clappstar





### Open source spreads

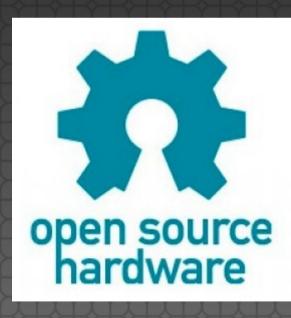
• Linux • Firefox Android Thunderbird Roku Chumby (RIP) Raspberry Pi

 Garmin Nuvi (and other **GPS** devices) Arduino WordPress Audacity Pidgin Calibre



# Open source hardware

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





# Open source hardware



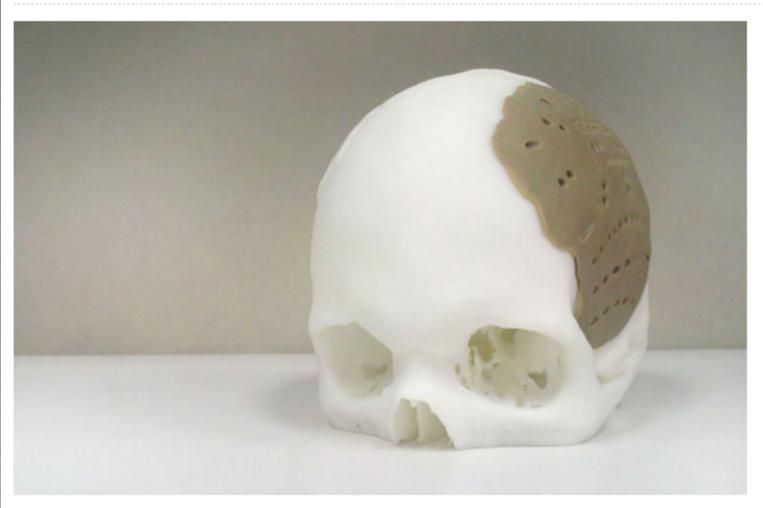
Arduino
Raspberry Pi
3D printing

CC BY Annika OBrien



### 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-3dprinters-built-a-replacement-hand-for-a-five-year-old-boy/

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

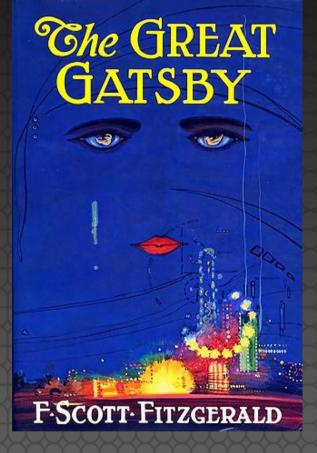


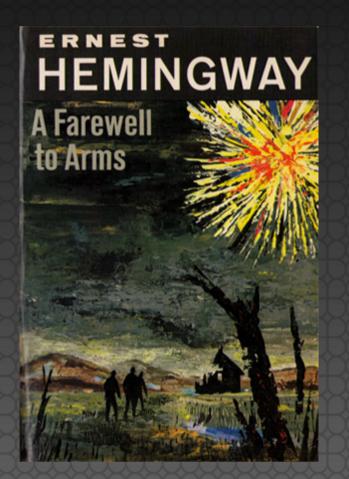
February 6, 2013 10:49 AM John Koetsier 2 Comments

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

# Not sharing is no longer an option.

### All art is derivative







# <u>All art is derivative</u>

Che GREAT GATSBY Fear AND LOATHING

F-SCOTT-FITZGERAL

h LAS VEGAS A Savage Journey to the Heart of the American Dream

Hunter S. Thompson author of Hell's Angels

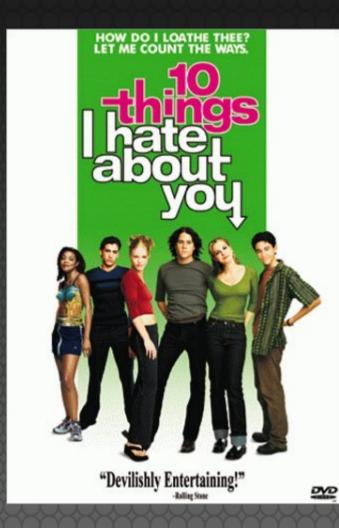
Ilustrations by Ralph Steadman



NEST EMINGWAY ewell ms



### All art is derivative





### All art is derivative





fedora

# <u>All art is g</u>

HOW DO I LOATHE THEE? LET ME COUNT THE WAYS

N WYNN BOBBY VAN OCE CIDNEY Produced IACK CUMMINCS & Meta-Sales

Pleafant Conceited

Historic, called The taming

As it was fundric timesacted by the

Right honorable the Earle of

Imprinted at London by P. S. and are to

Aprinted at London by P. S. and at be fold by Cuthbert Burbic at data the Royall Exchange.



## All art is derivative









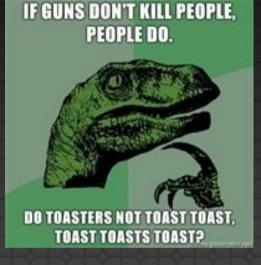
### THE EVOLUTION OF ART





ANDY WARHOL

### Internet memes



I DON'T ALWAYS ACCIDENTALLY

**COMPUTER, RAMEN, SLEEP** 





WHOLE THING.

### UT WHEN I DO, I ACCIDENTALLY TH I DON'T KNOW

### THEREFORE ALIENS fedora

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





### VIDEO GAMES

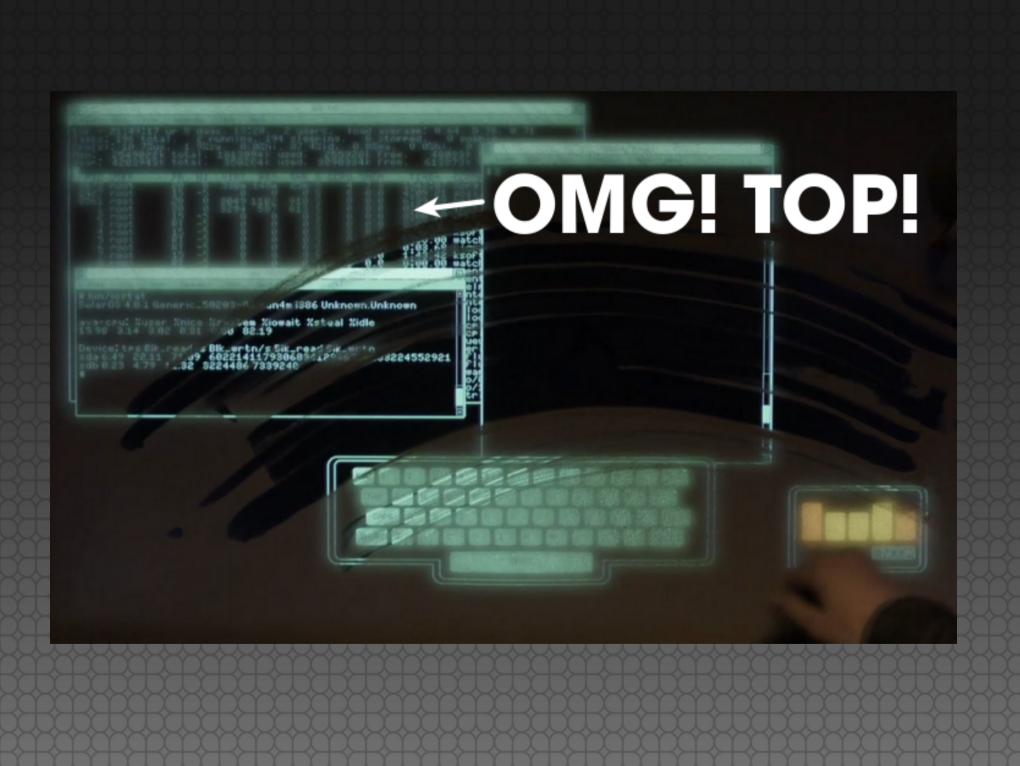
# PORTAL STILLALIVE





### EVEN LOLCATS

SHARING TRANSPARENCY MERITOCRACY RAPID PROTOTYPING COMMUNITY



### Everybody wants to rule the world...



By Florence Yum,, courtesy of Curt Smith



CC patrick h. lauke6t



## Ghosts I-IV

ИІИЕ ІИСН MAILS: GHOSTS I-IV



### The public domain: 2013



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

### 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 yea**r** 

#### **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



# 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



# 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





### Oh, McQueen...







Sarah Burton design from McQueen Fall/winter 2012

Hunger Games promotional photo



Hunger Games promotional photo

McQueen Fall 2011 gown

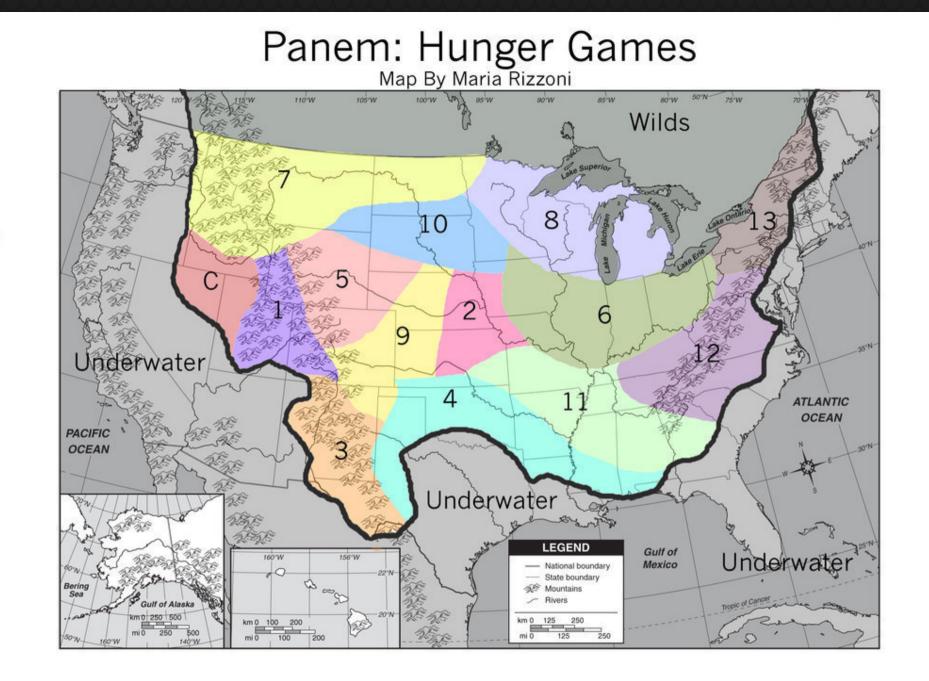


# Real rationality

CC-BY-SA Profound Whatever

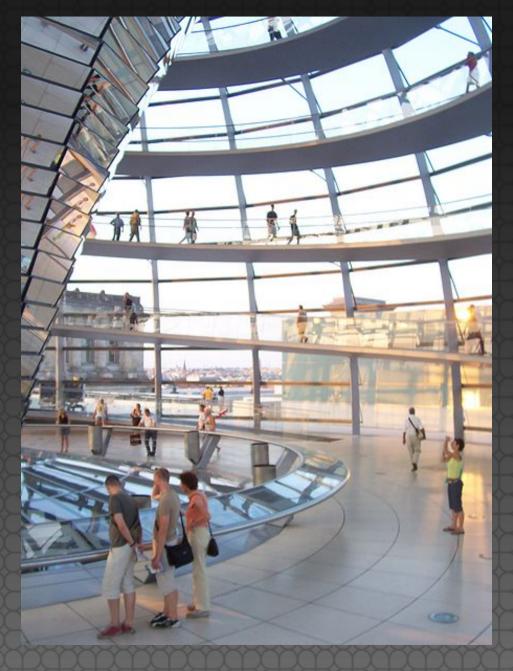


SHARING TRANSPARENCY MERITOCRACY RAPID PROTOTYPING COMMUNITY









SHARING TRANSPARENCY MERITOCRACY RAPID PROTOTYPING COMMUNITY

## REALITY TV



## LOST

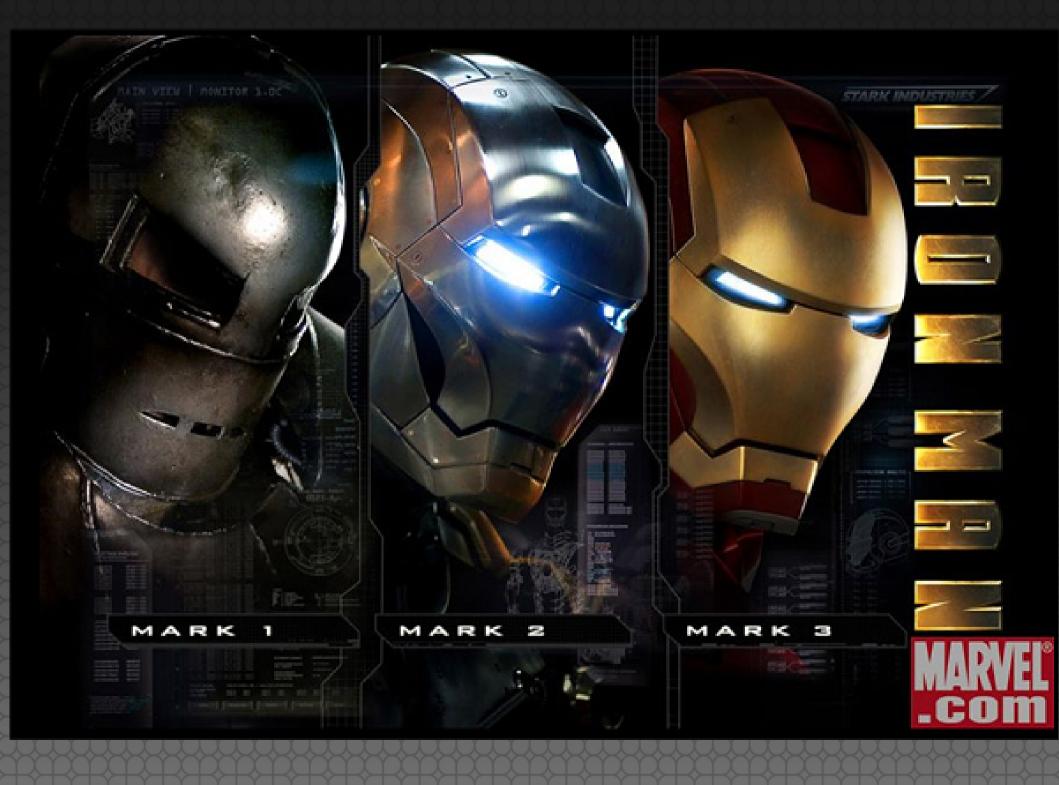


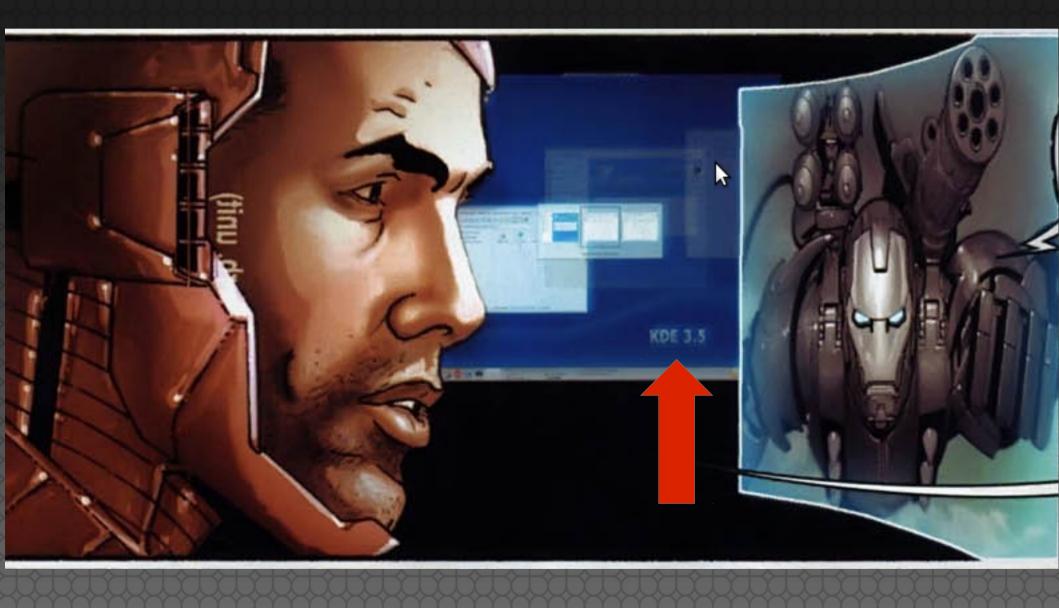




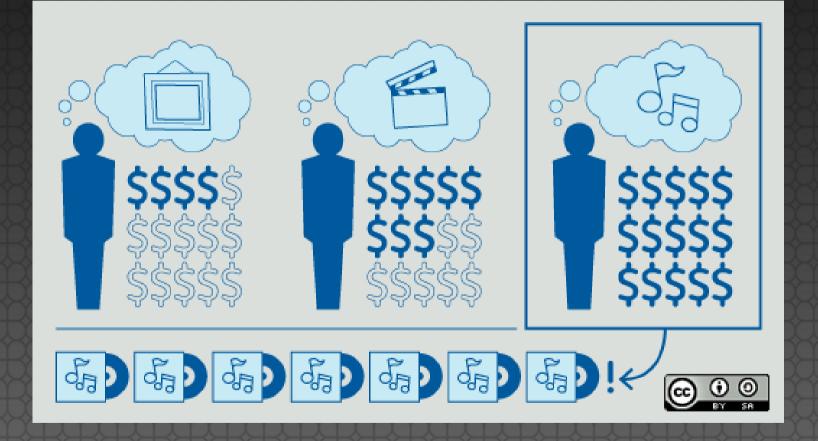


SHARING TRANSPARENCY MERITOCRACY RAPID PROTOTYPING COMMUNITY





## Kickstarter





SHARING TRANSPARENCY MERITOCRACY RAPID PROTOTYPING COMMUNITY

SHARING TRANSPARENCY MERITOCRACY RAPID PROTOTYPING COMMUNITY (Collaboration)



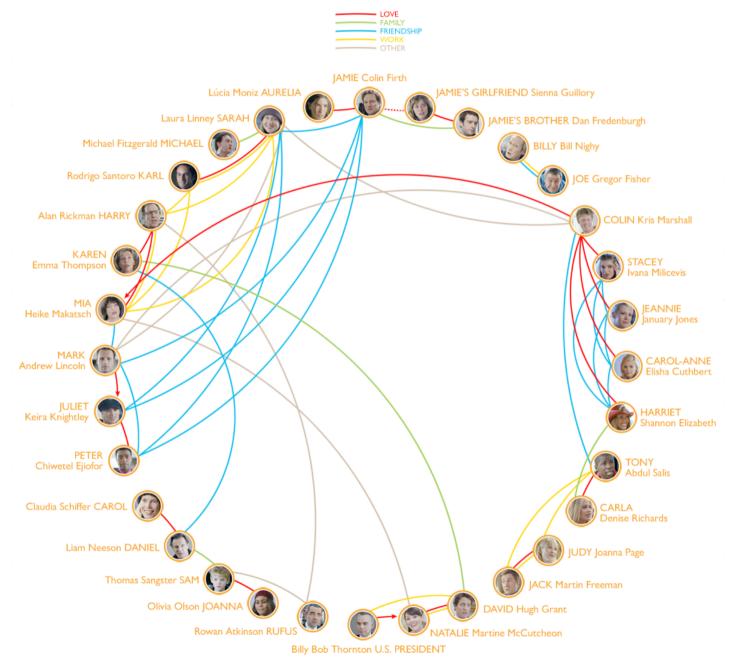




100

-

#### LOVE ACTUALLY CONNECTIONS OF CHARACTERS



## The common denominator





# What is open source?





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

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Self-promotion in an open source world, it starts with a

Open source resources

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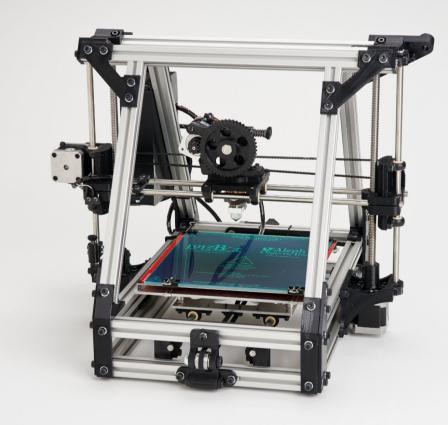
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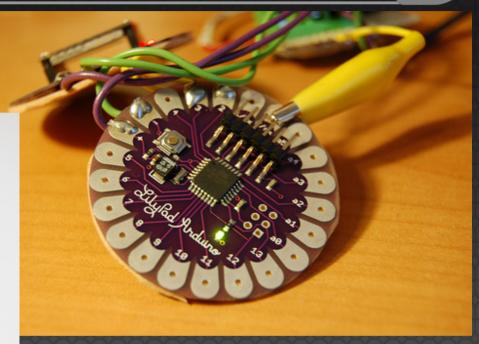
**OPEN VOICES EBOOKS** 

#### February favorites

- Node.js integrates with M: Next big thing in healthcare IT
- Journalist creates open source solution to extract data from PDFs
- 3D printing an open source electric car
- Can Inkscape reduce the number of incarcerated people?
- Will 2013 finally be the year of Linux gaming?
- Boundless, the free alternative to textbooks

### The future of innovation





LilyPad Arduino photo by Team Tanenbaum

AO-101 photo by Lulzbot



### The future of innovation

### Robohand: How cheap 3D printers built a replacement hand for a five-year o<u>ld boy</u>

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

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

# CITIZEN SENSOR

••• DIY Pollution Monitoring •••

#### BIOTECHNOLOGY

3D-Printed Skull Implant Ready for Operation

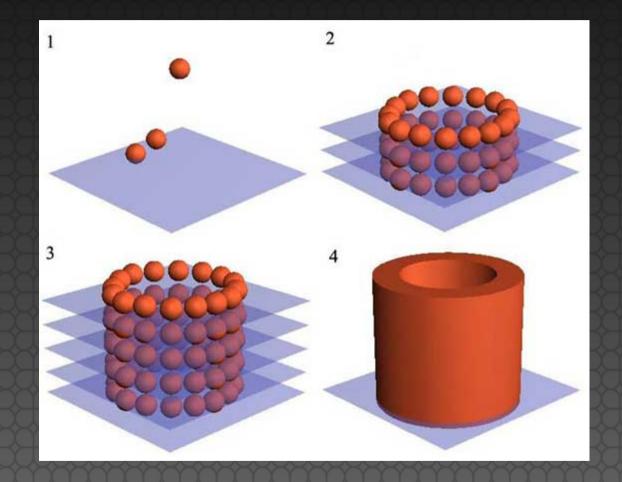


printing can make tiny surface details on the replacement part that s and allow the bone to attach more easily.

fedor

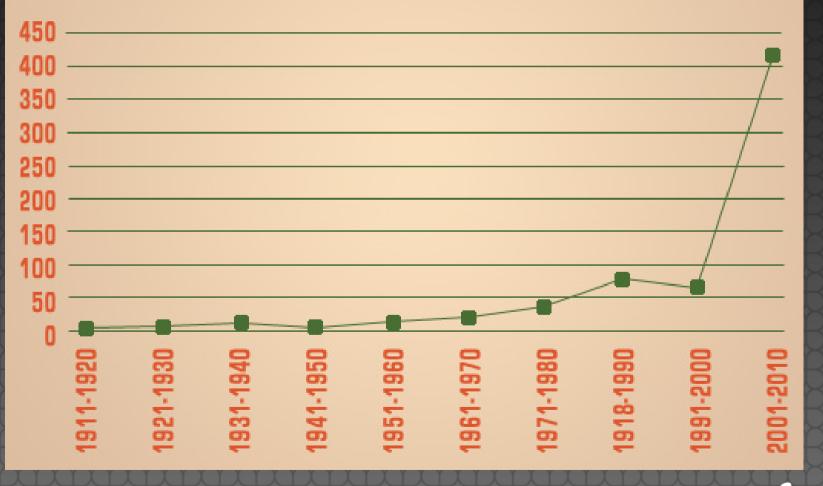
### GRND Lab OPEN SOURCE LION TRACKING COLLAR

#### BIOPRINTING



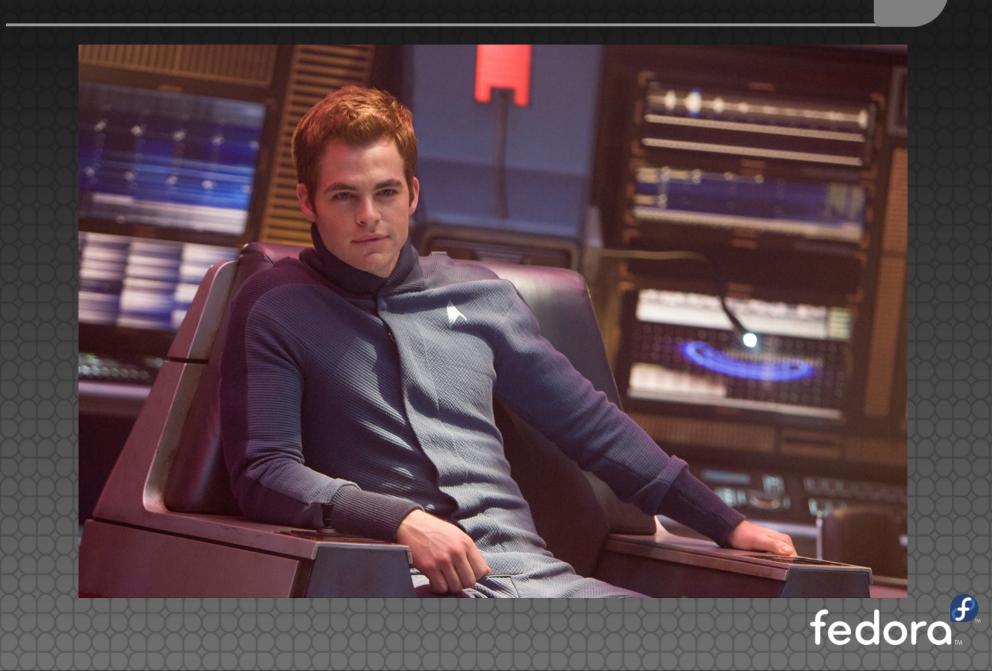
## Opensource.com/zombie

### NUMBER OF ZOMBIE FILMS RELEASED BY DECADE



fedora

## No more reboots



### Sheldon Cooper would be proud



## CAPTAIN JAMES T. KIRK

I'M SORRY, I CAN'T HEAR YOU OVER THE SOUND OF HOW AWESOME I AM.

fedoro<sup>f</sup>

## Wait, was this a good idea?

### **Breaking News**

LIVE George Lucas announces Jar Jar Binks movie.



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