



The Near Future of Ubiquitous Computing

State Library of New South Wales

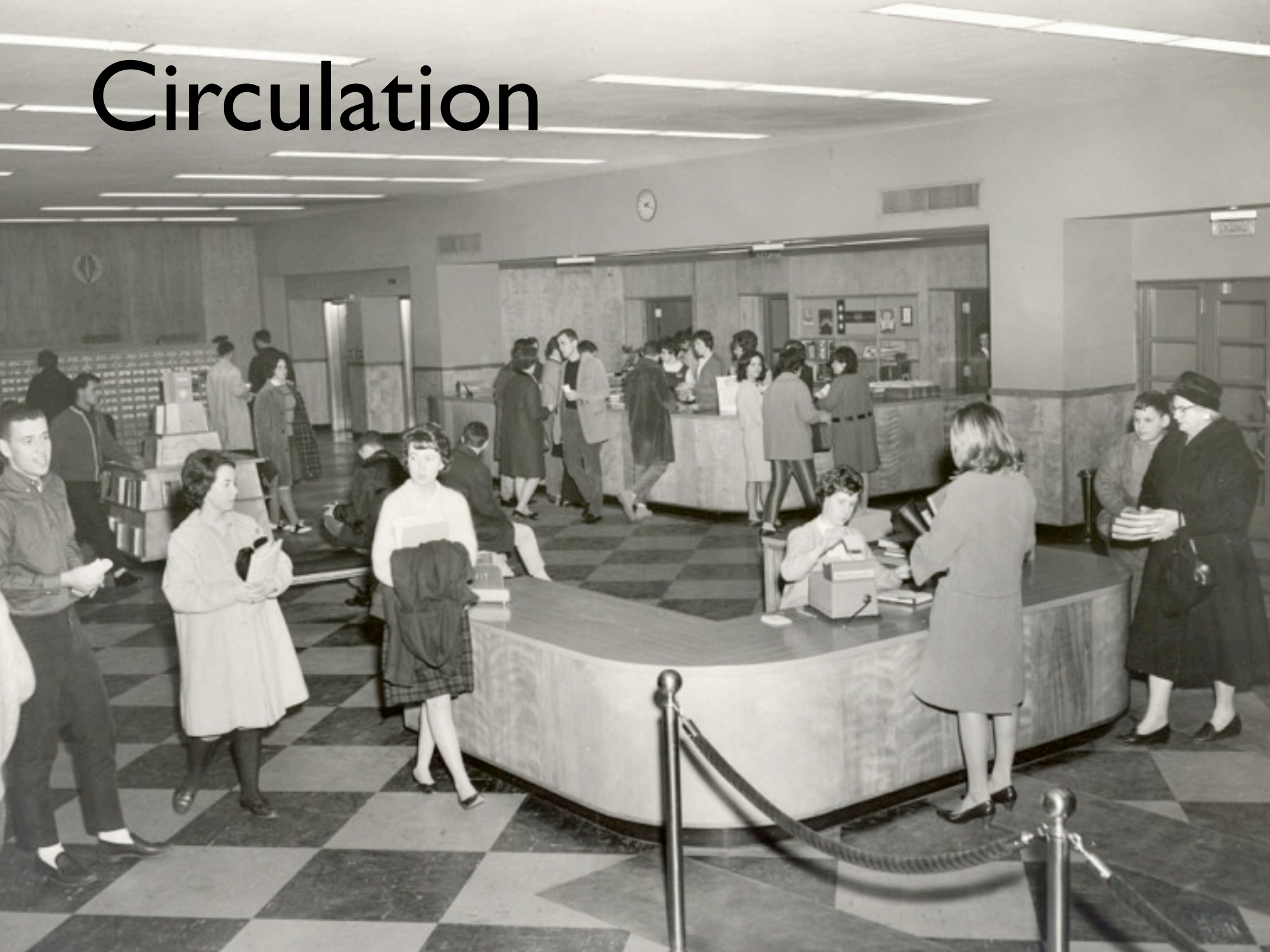
September 20, 2013

Jason Griffey

Head of Library Information Technology
University of Tennessee at Chattanooga

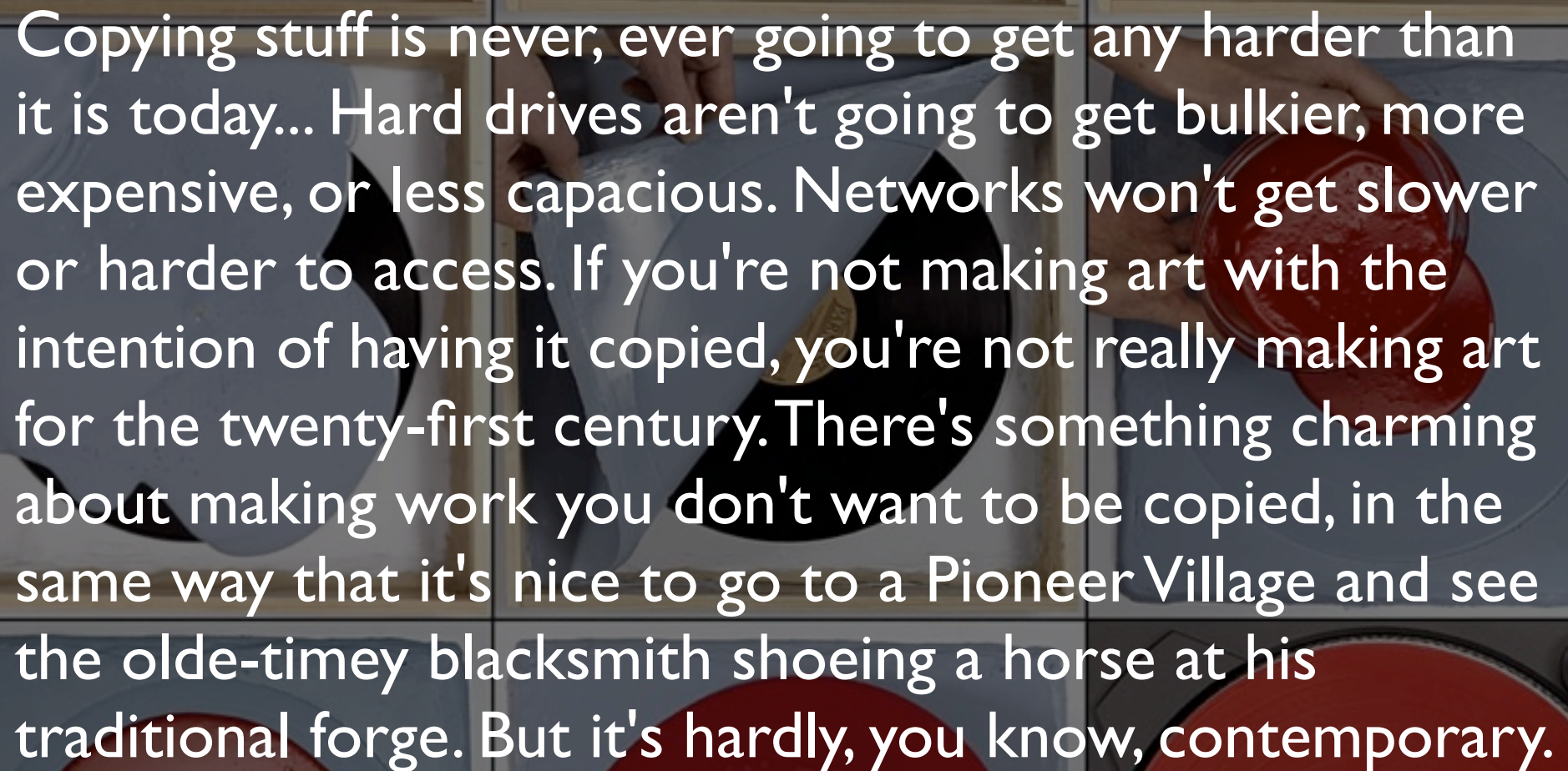
Acquisition
Circulation
Preservation

Circulation



~~Circulation~~

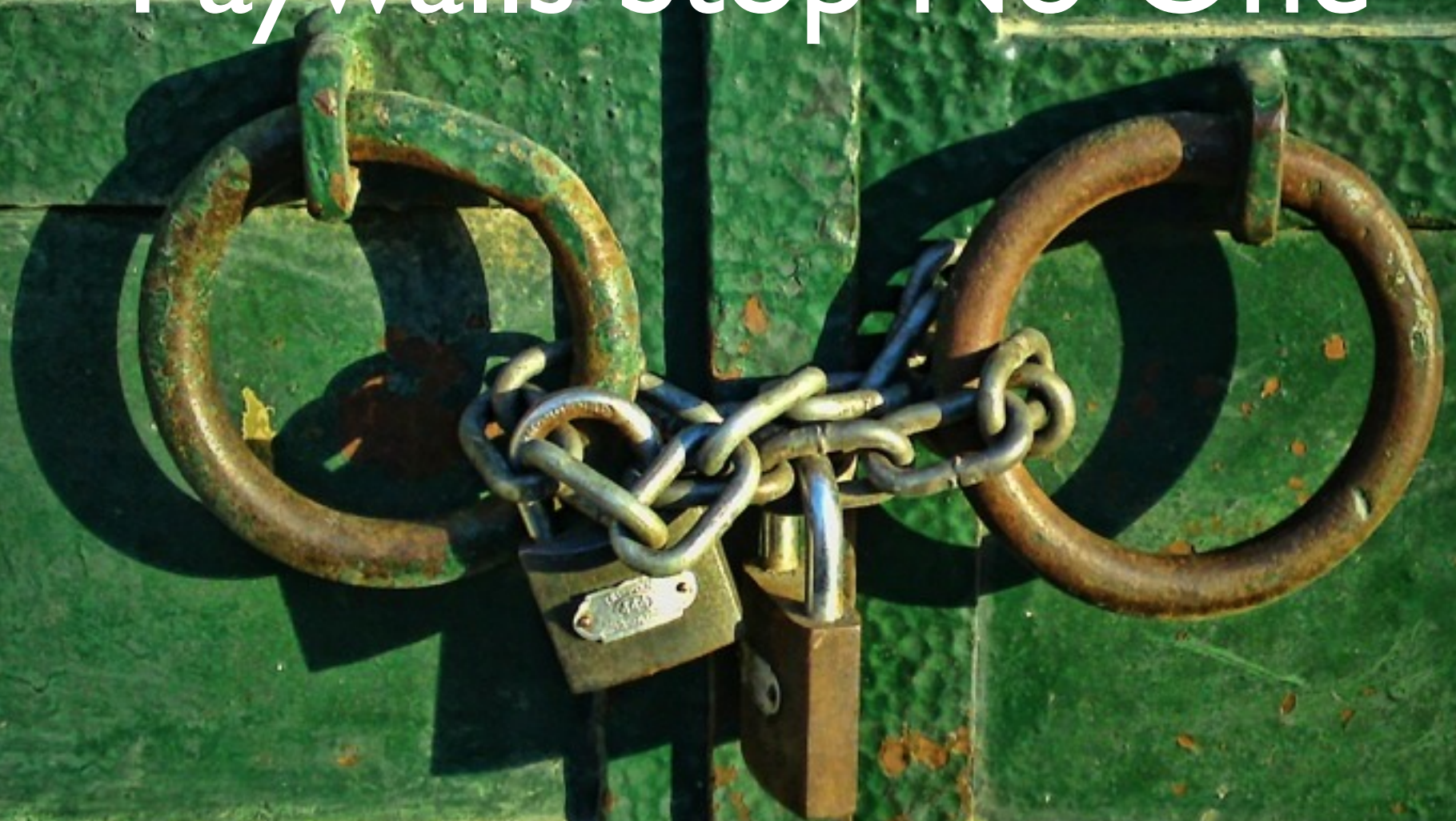
Distribution



Copying stuff is never, ever going to get any harder than it is today... Hard drives aren't going to get bulkier, more expensive, or less capacious. Networks won't get slower or harder to access. If you're not making art with the intention of having it copied, you're not really making art for the twenty-first century. There's something charming about making work you don't want to be copied, in the same way that it's nice to go to a Pioneer Village and see the olde-timey blacksmith shoeing a horse at his traditional forge. But it's hardly, you know, contemporary.

--Cory Doctorow, <http://craphound.com/littlebrother/about/>

Paywalls Stop No One





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Who's on deck

Welcome aboard!

The Pirate University is an on-line service for students and scholars who need certain academic articles which they don't have in their own library. » [Read more...](#)

The site is DIY, so if you have questions or somethings seems weird, tell us!

Recent requests

Discipline

<Any>

When ▾	Article	Student	Suggestions	Article shared?	Found
6 days ago	Recognition: Fichte and Hegel on the Other by Robert Williams	r.pearl83			No
1 week ago	Biotinylated probes in the electrophoretic mobility shift assay to examine specific dsDNA, ssDNA or...	nyla12			No
1 week ago	Inactivation of Uaf1 causes Defective Homologous Recombination and Early Embryonic Lethality in...	nyla12			No
2 weeks ago	Journal of Mathematical Economics	genexerc			No
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4 weeks ago	Documents in French archives	Anonymous			No

aaaaarg.org

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show requests

September 16

[Los dos cuerpos](#)

Mary Douglas

Capitulo 5 de "Símbolos naturales".

[Das Gesetz des Gedächtnisses](#)

Wolfgang Ernst

Wolfgang Ernst's study on archives and media (in German)

Far from the hushed restraint we associate with the Victorians, their world pulsed with sound. This book shows how, in more ways than one, Victorians were hearing things. The representations close listeners left of their soundscapes offered new meanings for silence, music, noise, voice, and echo that constitute an important part of the Victorian legacy to us today. In chronicling the shift from Romantic to modern configurations of sound and voice, Picker draws upon literary and scientific works to recapture the sense of aural discovery figures such as Babbage, Helmholtz, Freud, Bell, and Edison shared with the likes of Dickens, George Eliot, Tennyson, Stoker, and Conrad.

[Sexual Violence in Western Thought and Writing: Chaste Rape](#)

Victor Vitanza

[Comunitas](#)

Esposito Roberto

traducción castellana del libro.

[Anatomy for Yoga: Tips and Techniques Book 2](#)

Ray Long

With detailed anatomical drawings

[Anatomy for Yoga: Tips and Techniques Book 1](#)

Ray Long

With detailed anatomical drawings

help! most requested

[The Ends of Mourning: Psychoanalysis, Literature, Film](#)

Request

Alessia Ricciardi

[see all requests](#)

recent comments

[sites like aaaaarg for cinema/film?](#)

I too would love an invitation to karagarga, if its at all possible.

Thanks a lot!
email: mayyan2@gmail.com

May on September 16, 2013, 6:21 pm

[How the refrigerator got its hum - Ruth Schwartz Cowan](#)

Thank you!

Not Exactly Jack on September 16, 2013, 4:54 pm

[Postmodernism, or, The Cultural Logic of Late Capitalism - Fredric Jameson](#)

i upd here epub and kindle mobi versions of the whole book
<http://qrr.aaaaarg.org/txt/image/detail.php?id=51c58bfe6c3a0eda0bde8000>

milan RaptorJesus on September 16, 2013, 3:40 pm

[Postmodernism or, The cultural logic of late capitalism - Fredric Jameson](#)

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Deutsch

[Das Gesetz des Gedächtnisses](#)

Wolfgang Ernst's study on archives and media (in German)

[Schriften und Predigten Bd. 2/2 \(1921\)](#)

Well known translations to the New High German by Hermann Büttner at E. Diederichs

[Schriften und Predigten Bd. 1/2 \(1921\)](#)

Well known translations to the New High German by Hermann Büttner at E. Diederichs

[Anthropologie der Sinne \(GS 3\)](#)

Castellano

[Comunitas](#)

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Art

[Bas Jan Ader, In search of the miraculous](#)

Afterall books One Work publication by Jan Verwoert on Bas Jan Ader.

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D. Everett Lane @DEverettLane

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[#icanhazpdf](#) Aminoacylating urzymes challenge the RNA world hypothesis. (J biological chemistry 2013)

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Joe Wright @Bio_Joe

7h

[doi:10.1038/scientificamericanmind0913-46](https://doi.org/10.1038/scientificamericanmind0913-46)

nature.com/scientificamer...

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thanks :)

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Melissa Pancoast @MGPancoast

8h

[#icanhazpdf](#) Erratum to gender differences in the impact of parental death... South Africa (Vulnerable Children and Youth Studies, 2011)

[Expand](#)



sava @savasavasava

20h

[@shanley](#) if you need any papers, lemme know. I can whip them up for you in a jiffy. also, some people have luck using [#icanhazpdf](#).

[View conversation](#)



- 1 Taylor&Francis **[Request] Slope aspect effect on soil and vegetation in a Mediterranean ecosystem.** (self.Scholar)
(1|0) submitted 5 minutes ago by carto [I=c]
- 2 PubMed **[Request] MS-based approaches for studying the pharmacokinetics of protein drugs** (self.Scholar)
(4|0) submitted 4 hours ago by ulrikulrik [I=c]
- 3 **[Request] A few studies on Neurofeedback Therapy.** (self.Scholar)
(2|0) submitted 1 hour ago by StabbMe [I=c]
- 4 **[REQUEST] Time for work, commuting, and parenting? Commuting parents' involvement with their children.** (self.Scholar)
(3|0) submitted 4 hours ago* (last edited 3 hours ago) by nooxy [I=c]
- 5 **[Request] Several articles on injury risk among people with developmental disabilities** (self.Scholar)
(3|0) submitted 5 hours ago* (last edited 4 hours ago) by halloween_with_mike [I=c]
- 6 ScienceDirect **[Scholar] Transfer of cognitive training across magnitude dimensions achieved with concurrent brain stimulation of the parietal lobe** (self.Scholar)
(3|1) submitted 6 hours ago by Jewpiter [I=c] **FOUND**
- 7 RSC **[Request] Quantitative surface-enhanced Raman spectroscopy** (self.Scholar)
(1|0) submitted 2 hours ago by doctorbin [I=c]
- 8 Ingentaconnect **[Request] Cosmology, Worldview and Gender-based Knowledge Systems among the Tanimuka and Yukuna (Northwest Amazon)** (self.Scholar)
(5|1) submitted 10 hours ago by dead_soul12 [I=c] **FOUND**
- 9 **[Request] Relationship between listening difficulty and acoustical objective measures in reverberant sound fields** (self.Scholar)
(2|1) submitted 3 hours ago by Odhiambo [I=c]

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 Proper post example: <http://redd.it/129wuu>
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Mark a submission as NSFW when solved!



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Taylor&Francis [\[Request\] Slope aspect effect on soil and vegetation in a Mediterranean ecosystem.](#) (self.Scholar)

 (1|0) submitted 5 minutes ago by cartzo 
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PubMed [\[Request\] MS-based approaches for studying the pharmacokinetics of protein drugs](#) (self.Scholar)



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[\[REQUEST\] Time for work, commuting, and parenting? Commuting parents' involvement with their children.](#)

(self.Scholar)

 (3|0) submitted 4 hours ago* (last edited 3 hours ago) by nxxxy 
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 (3|0) submitted 5 hours ago* (last edited 4 hours ago) by halloween_with_mike 
4 comments share save hide report [I=c]

ScienceDirect [\[Scholar\] Transfer of cognitive training across magnitude dimensions achieved with concurrent brain stimulation of the parietal lobe](#) (self.Scholar)

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RSC [\[Request\] Quantitative surface-enhanced Raman spectroscopy](#) (self.Scholar)

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ingentaconnect [\[Request\] Cosmology, Worldview and Gender-based Knowledge Systems among the Tanimuka and Yukuna \(Northwest Amazon\)](#) (self.Scholar)

 (5|1) submitted 10 hours ago by dead_soul12 
 1 comment share save hide report [I=c]

[\[Request\] Relationship between listening difficulty and acoustical objective measures in reverberant sound fields](#) (self.Scholar)

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LibraryBox

Consumption

Three Laws of Technology



Photo by Kradlum - <http://flic.kr/p/NqGXm>

Moore's Law



Koomey's Law

Network

Photo by futureshape - <http://flic.kr/p/byVYjK>

Metcalfe's Law





Height: 381mm
Width: 381mm
Depth: 435mm
Weight: 15,800g
Price: £1,500
CPU: 500MHz
RAM: 128MB
Display: 1024 x 768
Storage: 30GB



Height: 115.2mm
Width: 58.6mm
Depth: 9.3mm
Weight: 137g
Price: £599
CPU: 1GHz
RAM: 512MB
Display: 960 x 640
Storage: 32GB

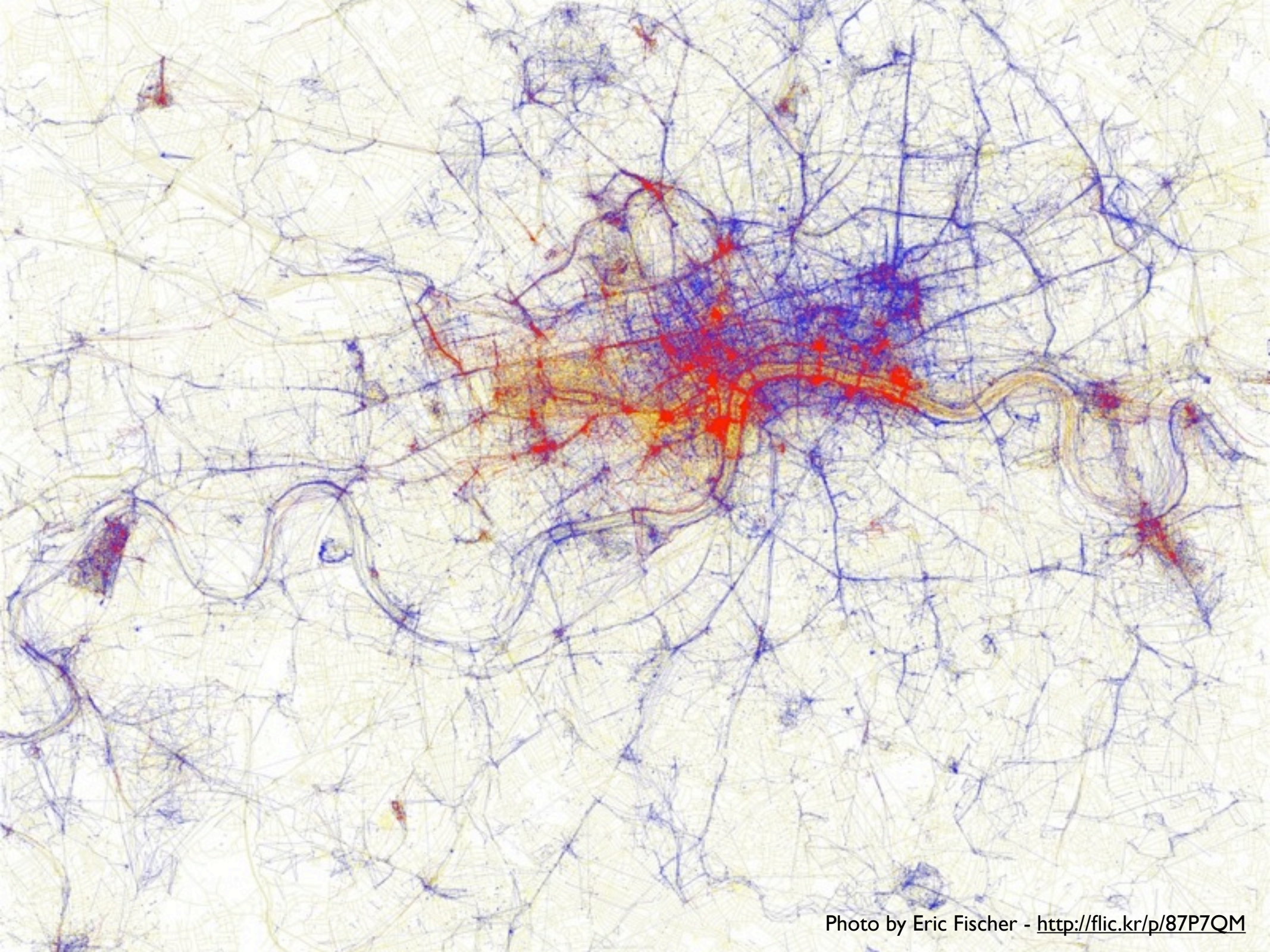
Visions of the Future



A portrait of Charlie Stross, a man with a beard and glasses, looking slightly to the right. The background is dark and out of focus.

Stross' Extrapolation

<http://www.antipope.org/charlie/blog-static/2012/08/how-low-power-can-you-go.html>



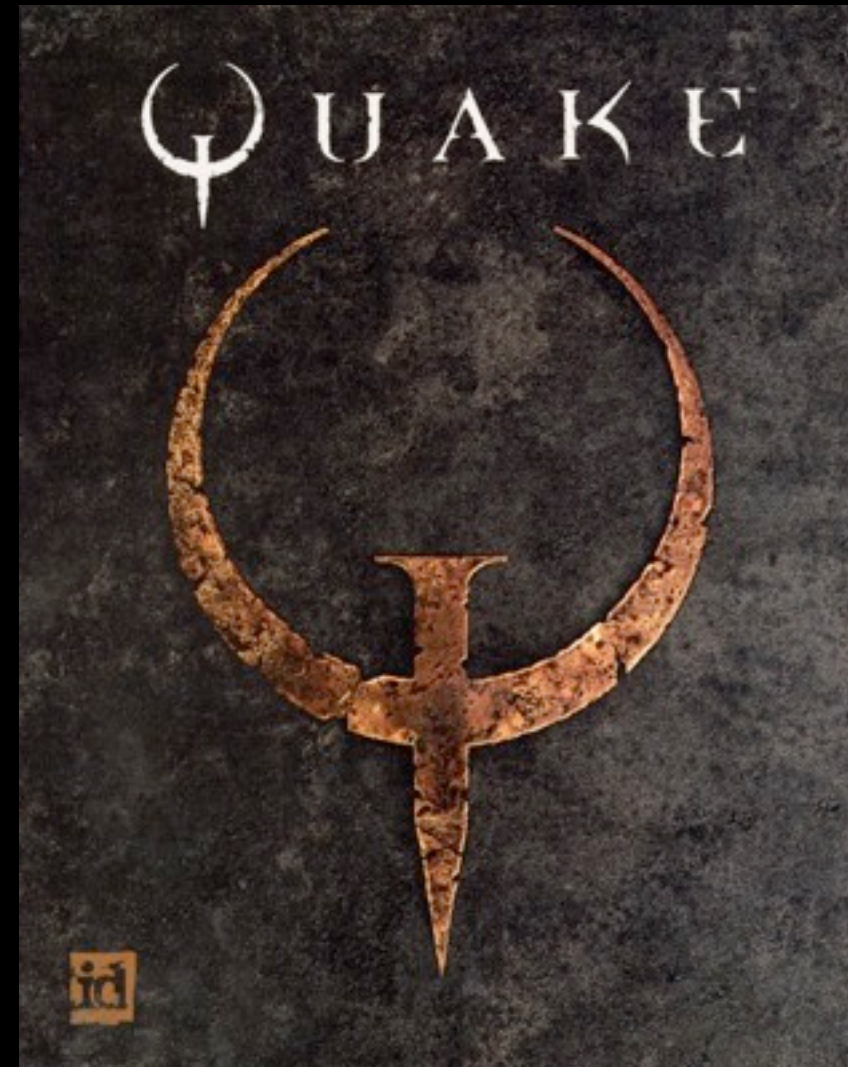
Gabe Newell



VALVE®

A man with glasses and a microphone, wearing a dark green shirt, is speaking. The background is a textured, golden-brown surface. The name "Mike Abrash" is overlaid in white text at the bottom of the image.

Mike Abrash



Valve: How I Got Here, What It's Like, and What I'm Doing

<http://blogs.valvesoftware.com/abrash/valve-how-i-got-here-what-its-like-and-what-im-doing-2/>

By “wearable computing” I mean mobile computing where both computer-generated graphics and the real world are seamlessly overlaid in your view; there is **no separate display** that you hold in your hands (think Terminator vision). The underlying trend as we’ve gone from desktops through laptops and notebooks to tablets is one of having computing available in more places, more of the time.

The logical endpoint is **computing everywhere, all the time** – that is, wearable computing – and I have no doubt that 20 years from now that will be standard, probably through glasses or contacts, but for all I know through some kind of more direct neural connection.

And I'm pretty confident that platform shift will happen a lot sooner than 20 years – almost certainly within 10, but **quite likely as little as 3-5**, because the key areas – input, processing/power/size, and output – that need to evolve to enable wearable computing are shaping up nicely, although there's a lot still to be figured out.

Vernor Vinge



Rainbows End

A NOVEL
WITH ONE FOOT IN
THE FUTURE

BESTSELLING AUTHOR OF *A FIRE UPON THE DEEP*

VERNOR VINGE

FOUR-TIME
HUGO AWARD
WINNER

"In the grand tradition of William Gibson and Neal Stephenson,
Vernor Vinge just turned the future upside-down in *Rainbows End*!"
—Charles Stross

“Communications tools don't get
socially interesting until they get
technologically boring.”

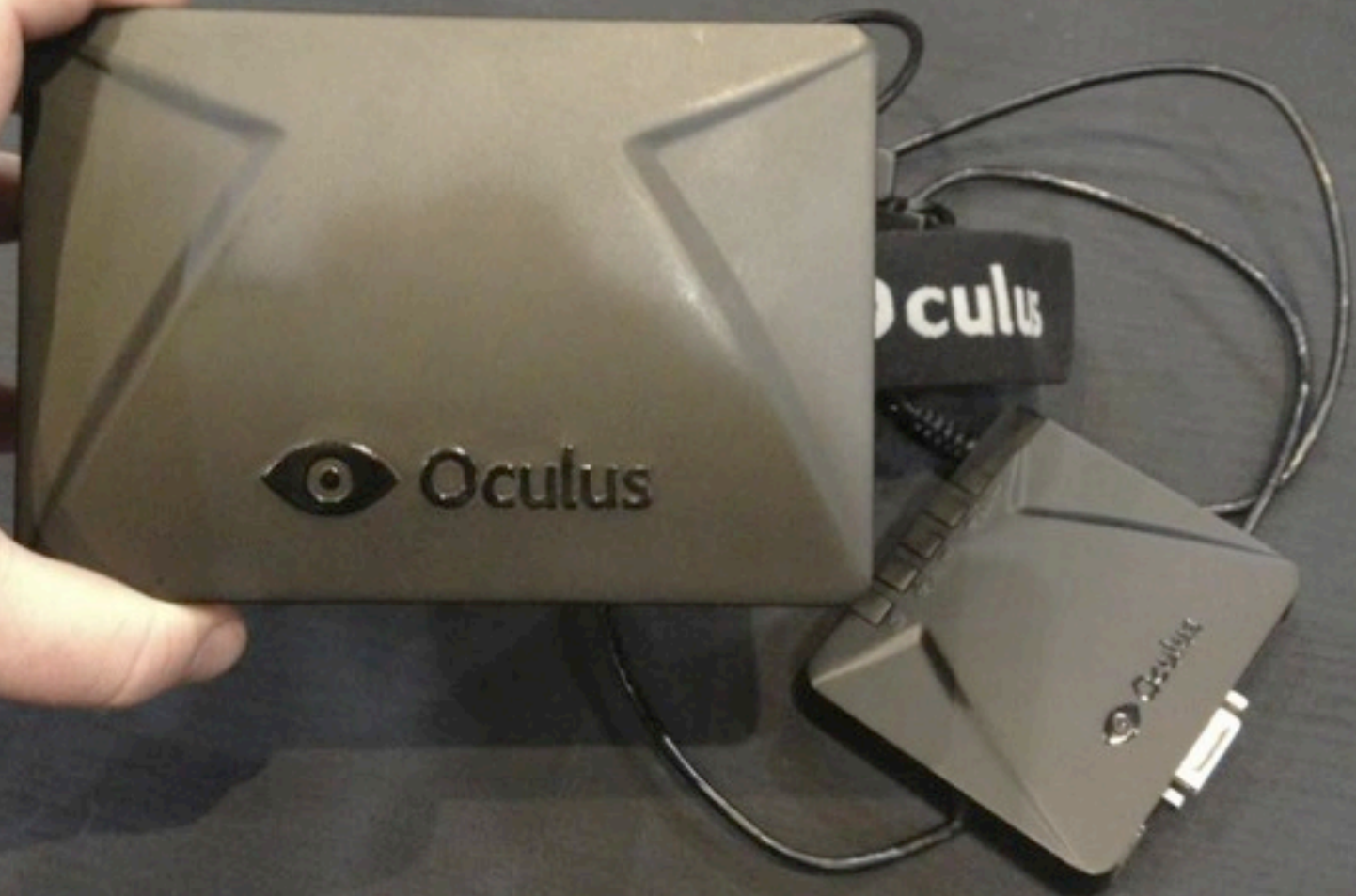
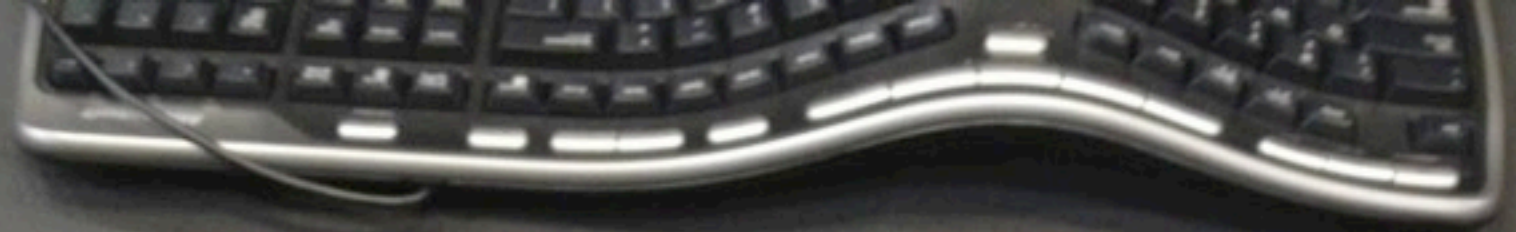
--Clay Shirky, *Here Comes Everybody*



Photo by Engadget: <http://www.engadget.com/2012/01/11/lumus-see-through-wearable-display-hands-on/>



engadget



 Oculus

Oculus

 Oculus

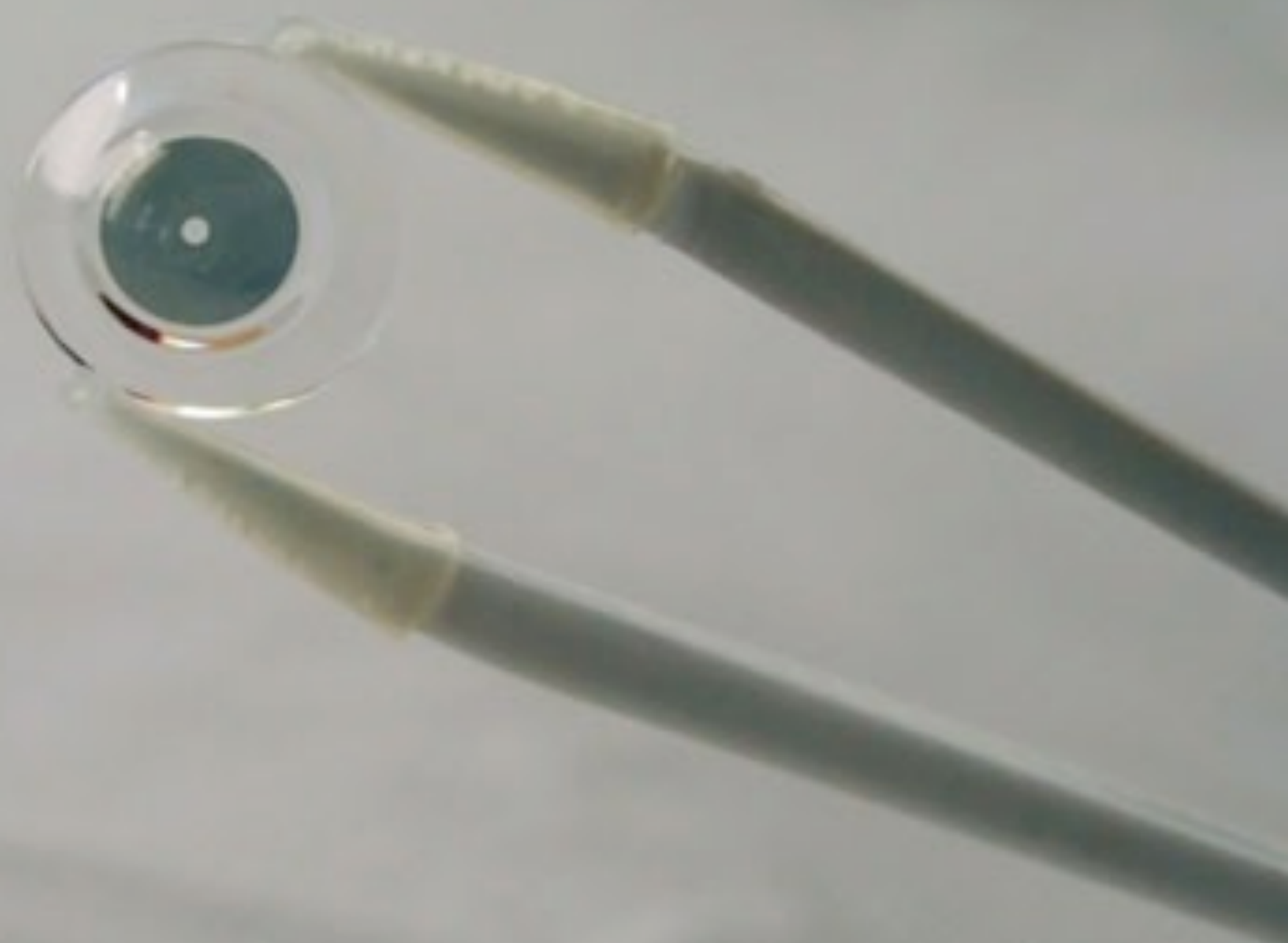


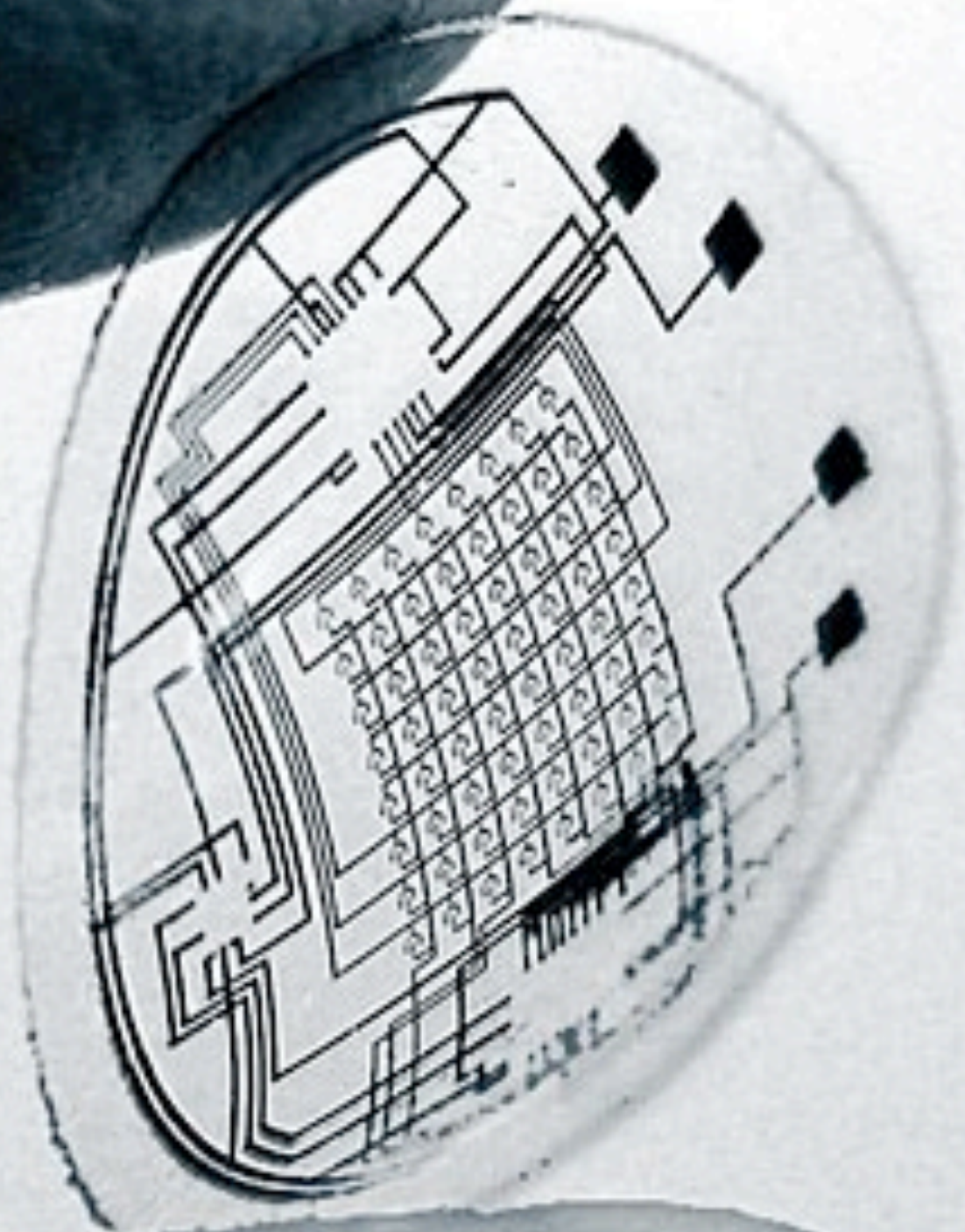
Welcome to a world through Glass.

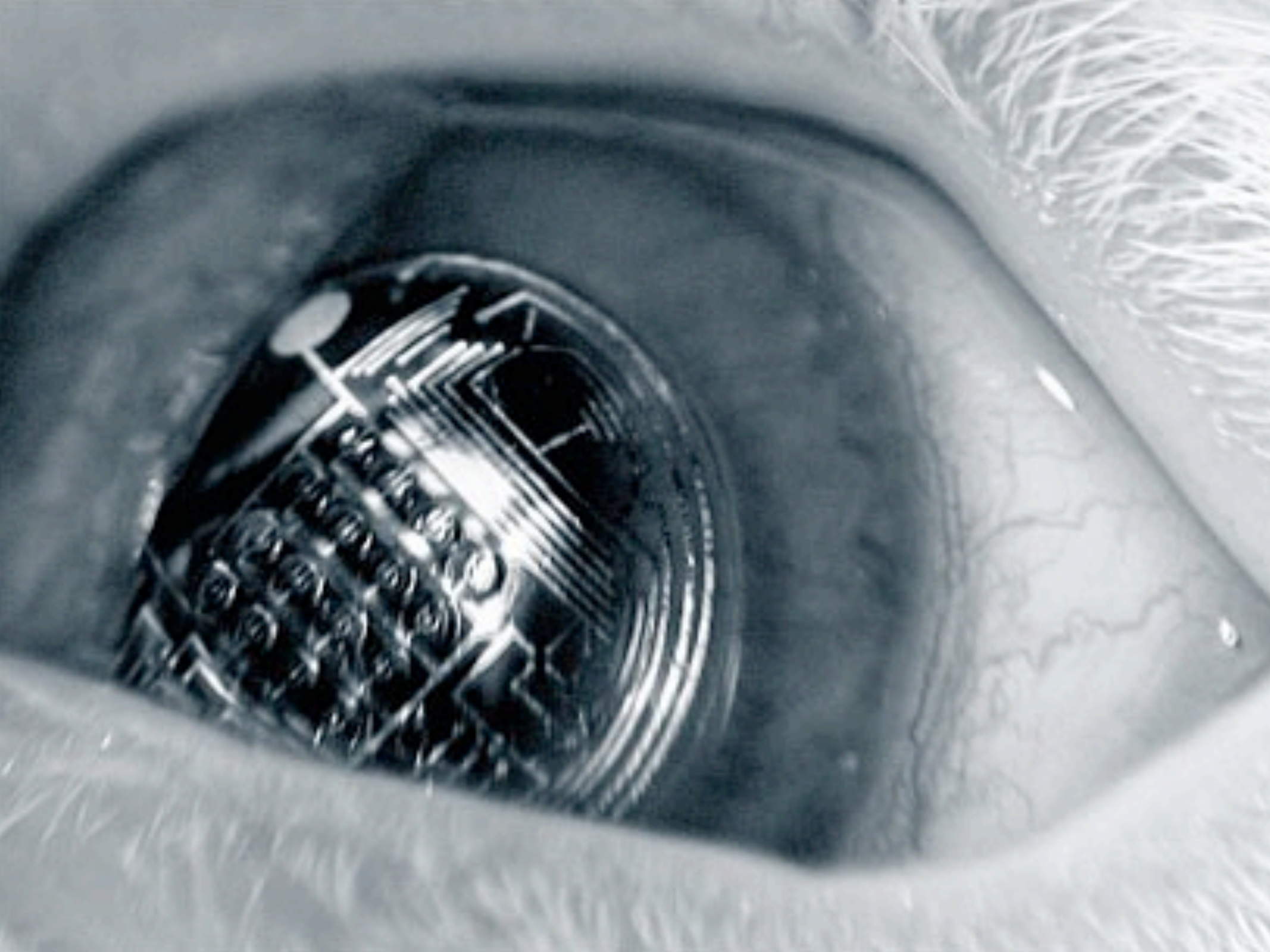








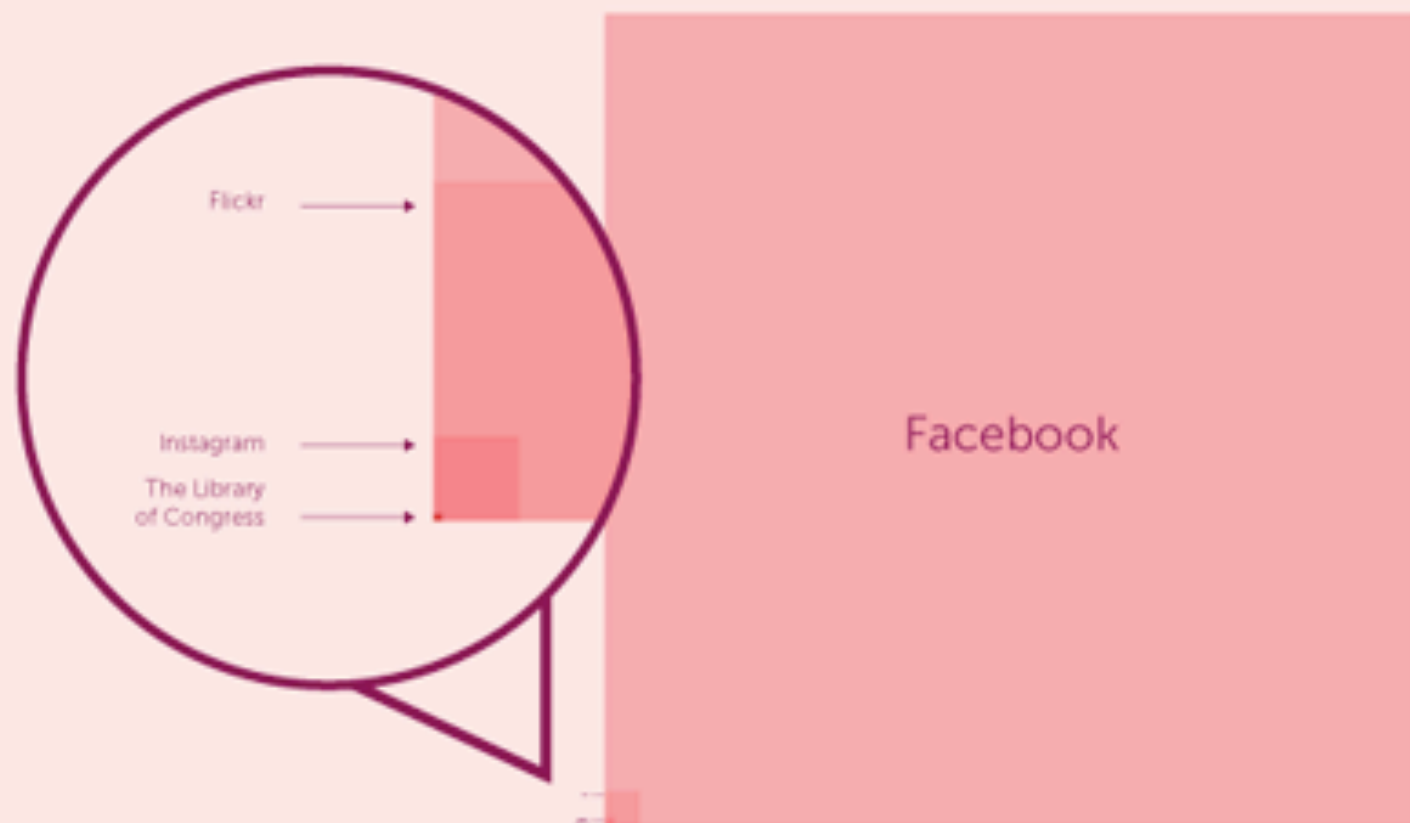


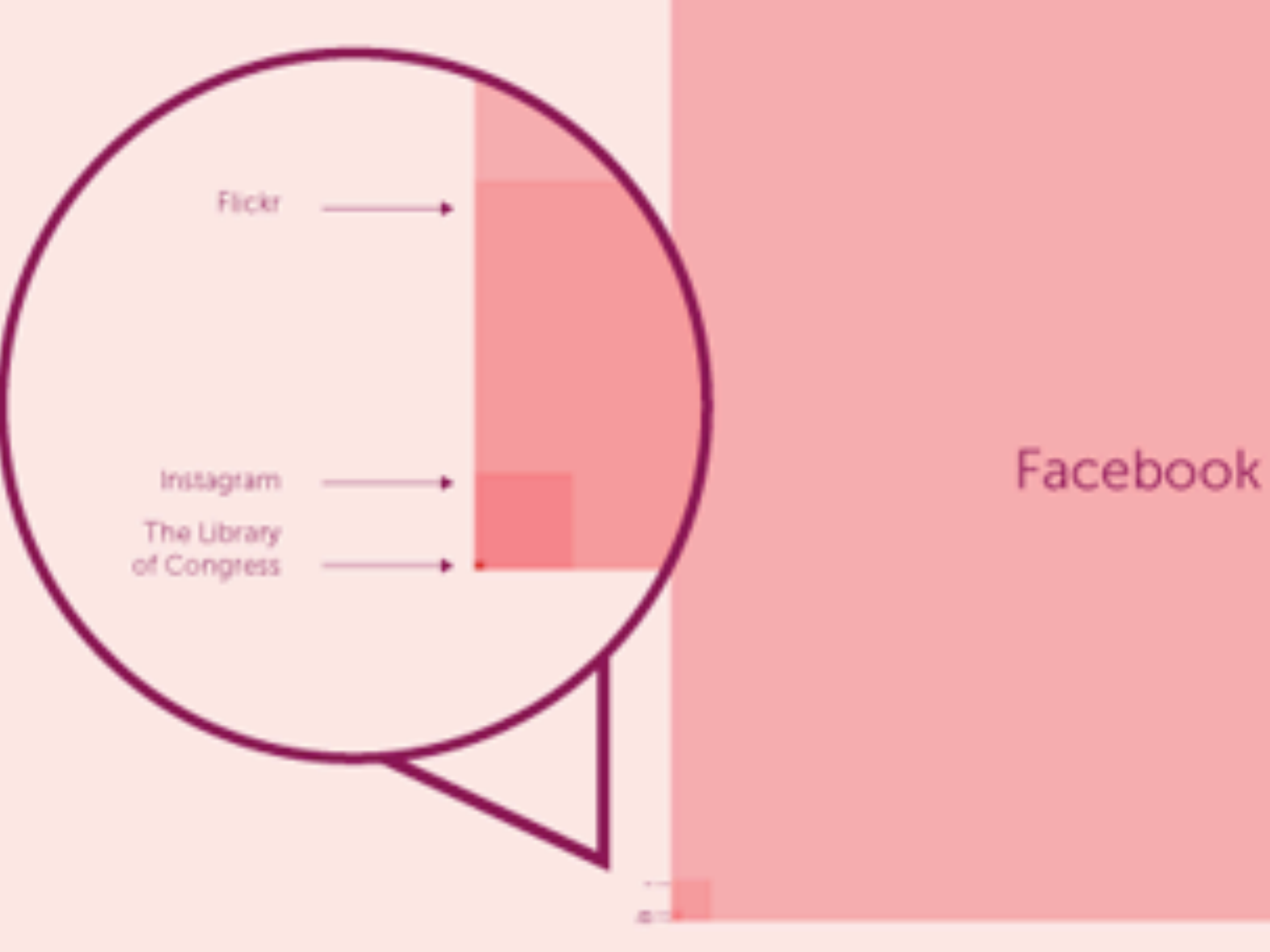


A black metal chain is positioned in the foreground, creating a grid-like pattern. The background is a soft, out-of-focus bokeh of various colors including yellow, orange, red, green, and blue. The word "Preservation" is centered in the middle of the image in a white, sans-serif font.

Preservation

THE WORLD'S LARGEST PHOTO LIBRARIES





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The Library
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Possible Futures for Libraries



Photo by Cam Incoll - <http://flic.kr/p/4ZhFpf>




Every Book a Node

A close-up photograph of a door handle. The handle is a curved, metallic-looking piece. On the left side of the handle, there is a dark, curved sign with the word 'PRIVACY' written in white, uppercase letters. The background is a plain, light-colored wall.

PRIVACY

Libraries as Privacy Spaces



Libraries as Data Hubs

Photo by magic robots - <http://flic.kr/p/9Jxt8U>

A photograph of a vintage reel-to-reel tape recorder. The device is silver and black, with four reels visible. The reels are of various colors: orange, grey, white, and yellow. The text "Big Data" is overlaid in the center in a bold, yellow, sans-serif font. The background is dark, and the lighting is focused on the device.

Big Data



Libraries as Archival Units

Photo by Ville de Levallois - <http://flic.kr/p/dTXw6F>

Bits

MARCH 20, 2013, 1:21 PM | 14 Comments


The Era of Deep Archiving Begins

By DAVID STREITFELD

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 PRINT

As a Dartmouth student in the early 1970s, [William McDonough](#) went, somewhat casually, to hear a lecture by a visiting celebrity. Mr. McDonough had little idea beforehand who [Buckminster Fuller](#) was, but listening to the designer and futurist had a long-term effect.

Mr. McDonough was late and took one of the last seats left, in the front row. Three hours later, he realized that the rest of the audience was gone but that Mr. Fuller was



Libraries as Activists





conclusions

We look at the present through a
rear-view mirror.

We march backwards into the future.

--Marshall McLuhan




Ellis' Projection

How to See the Future

<http://www.warrenellis.com/?p=14314>

Photo by Brett Kiger - <http://flic.kr/p/9RRpMQ>



Act like you live in the
Science Fiction
Condition.



Photo by robert.barney - <http://flic.kr/p/4JGHGN>

Jason Griffey

jasongriffey.net

423-443-4770

@griffey

ALA TechSource

<http://pinboard.in/u:griffey/>



Head of Library Information Technology
University of Tennessee at Chattanooga