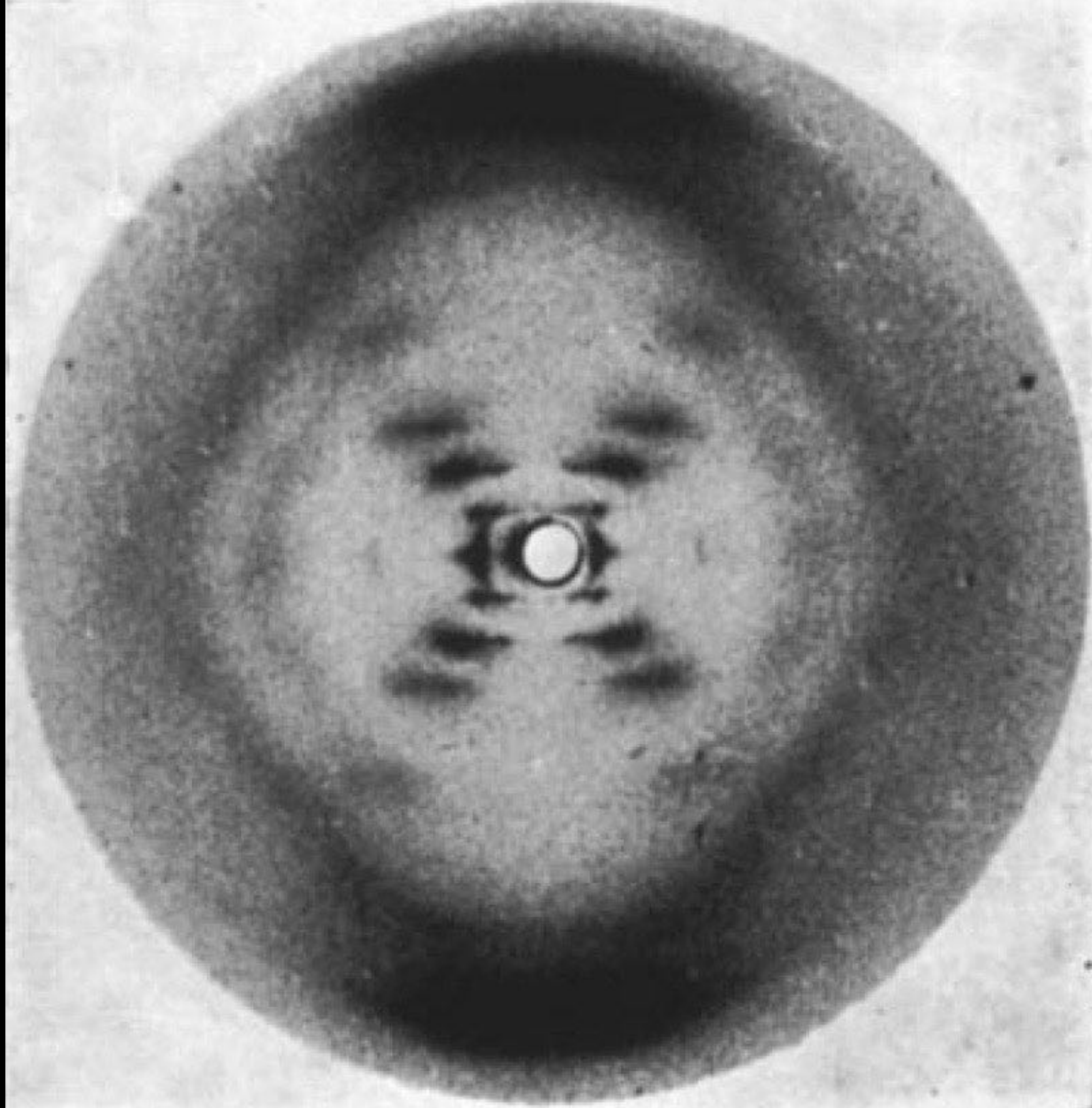


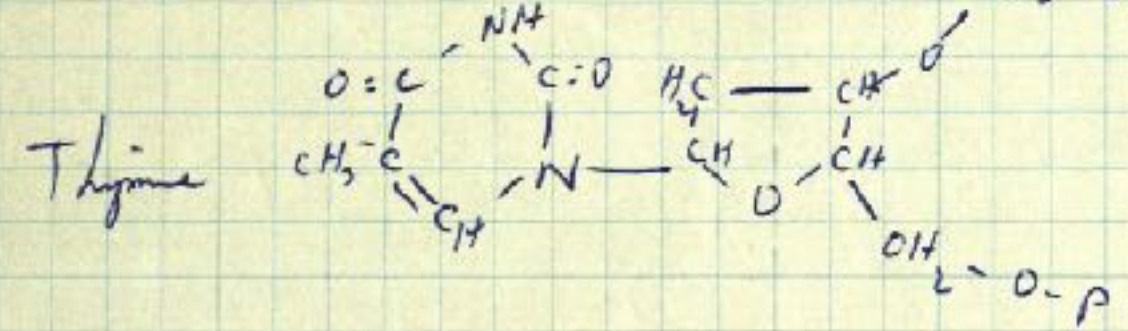
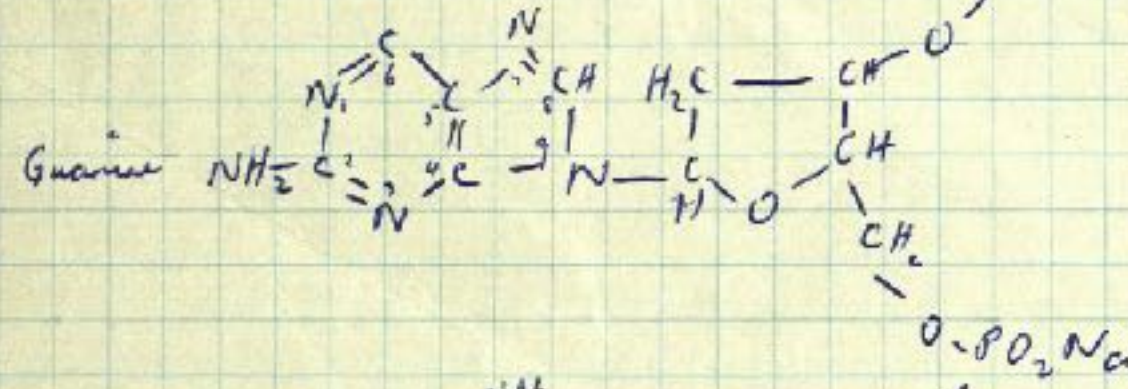
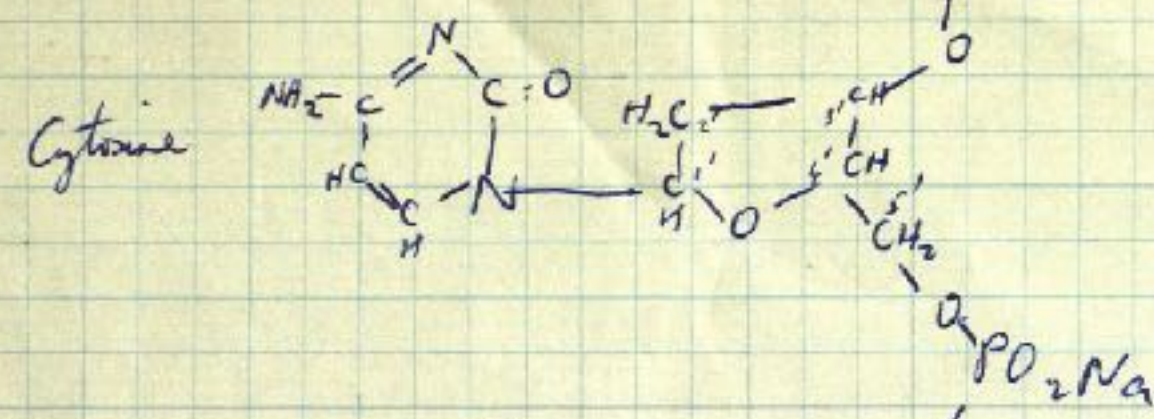
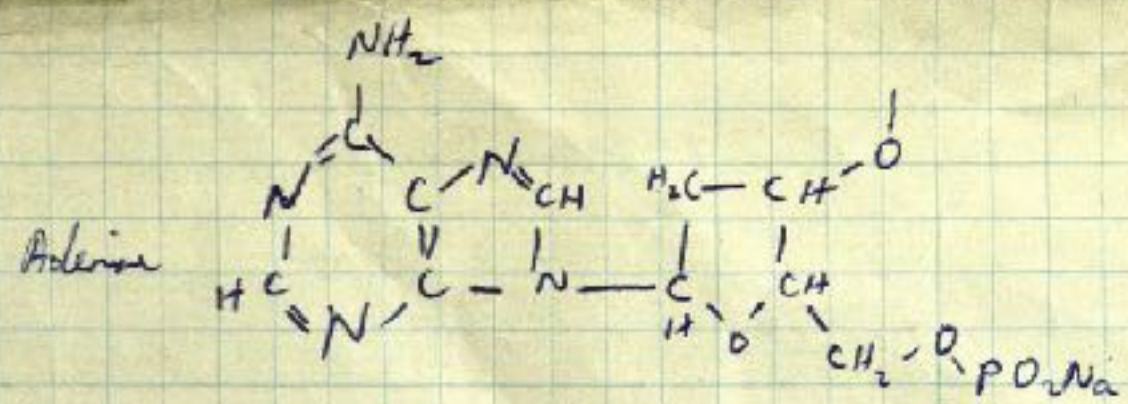


# EVALUATING TECHNOLOGY









A

C

G

T



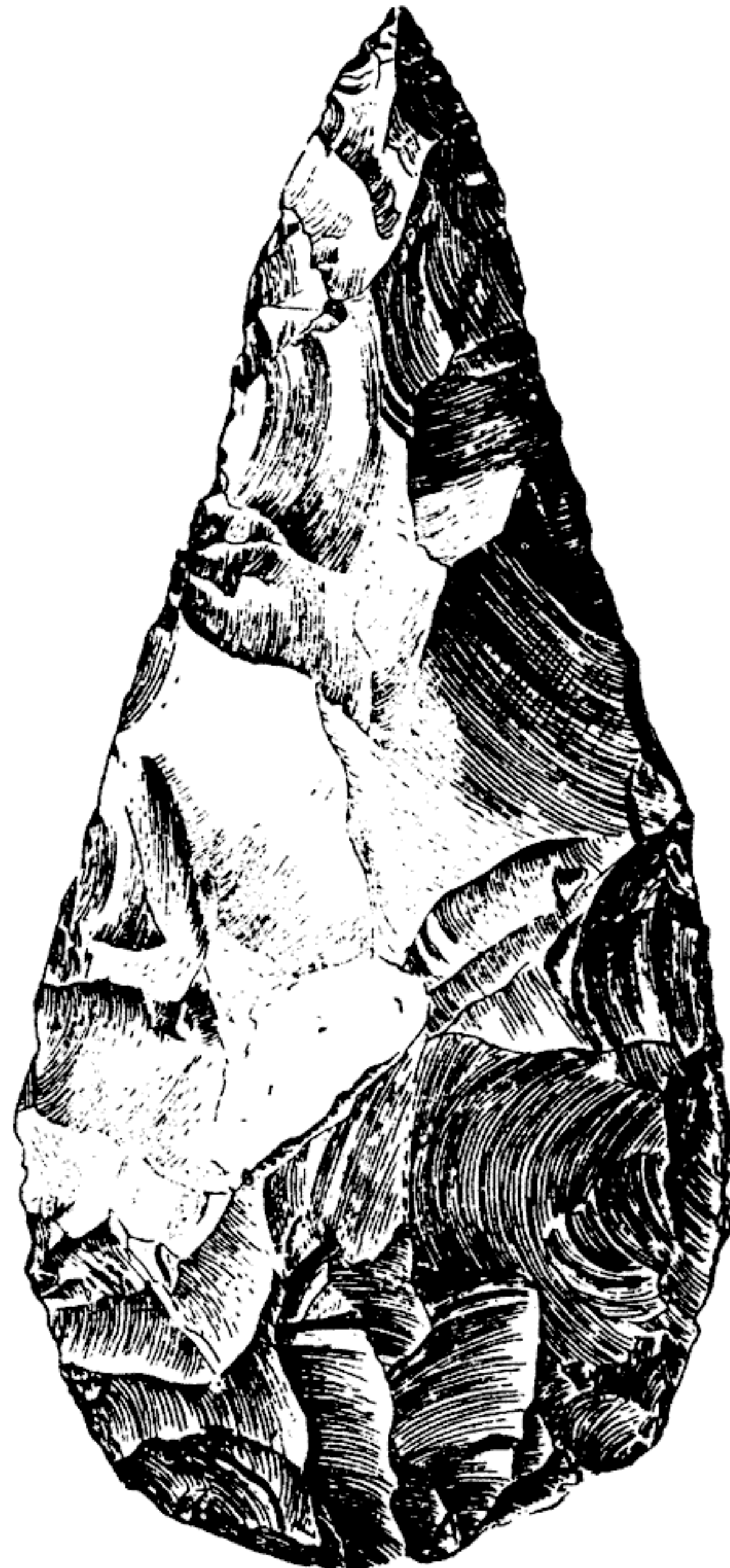


**specialisation**

**ubiquity**

**cooperation**







*“We shape our tools and thereafter  
our tools shape us.”*

—John Culkin



**specialisation**

**ubiquity**

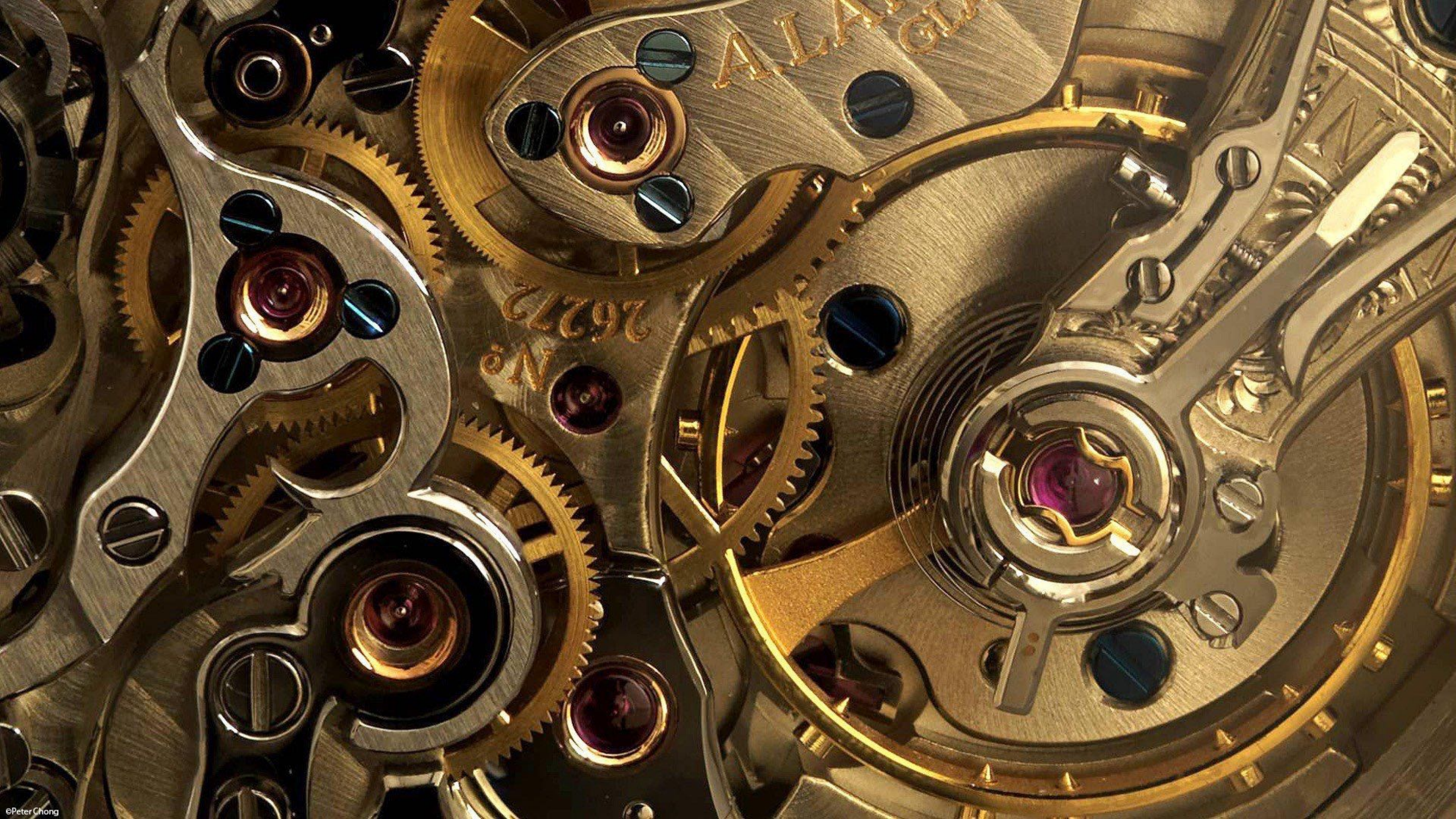
**cooperation**









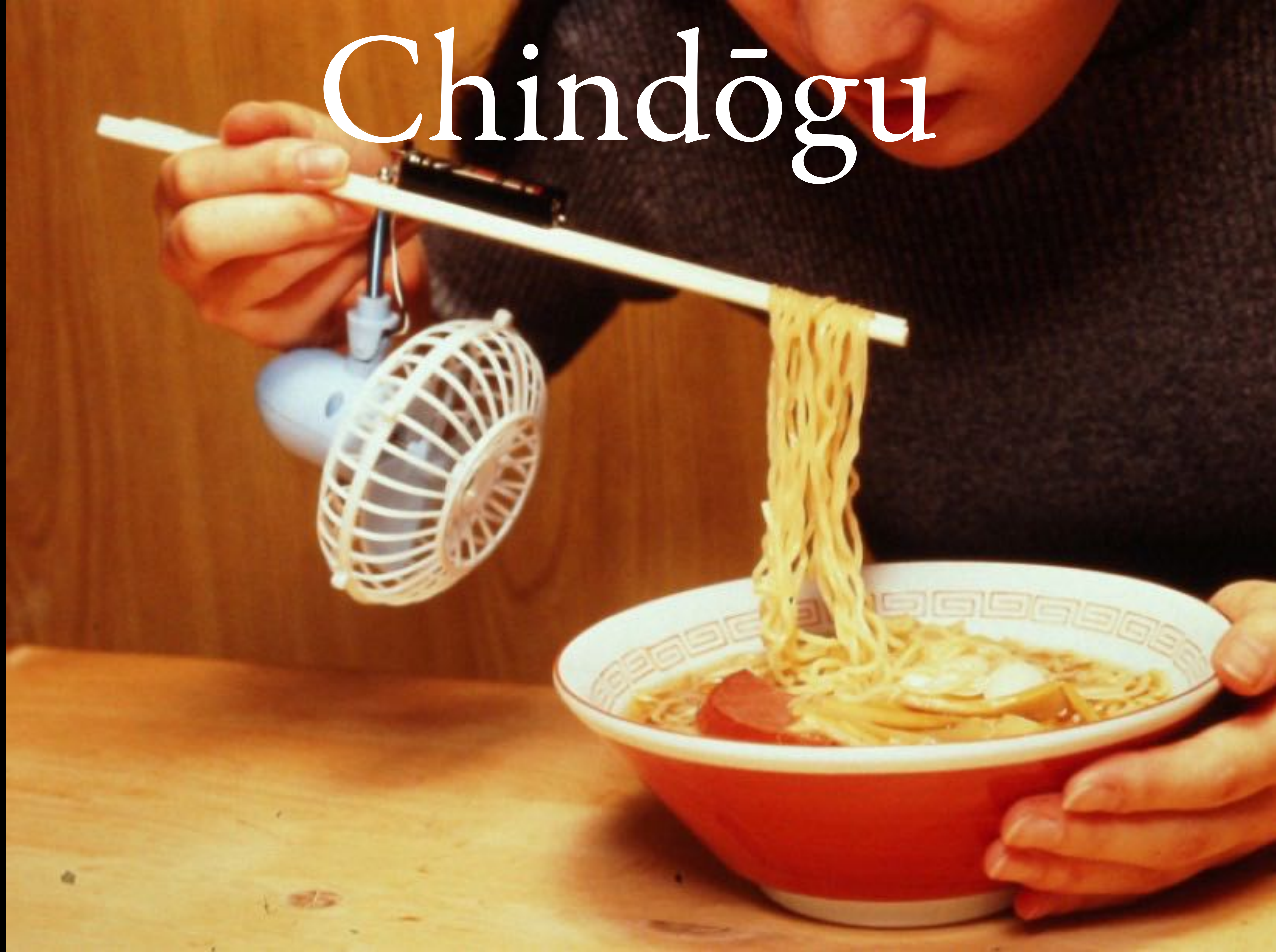




Chindōgu



# Chindōgu



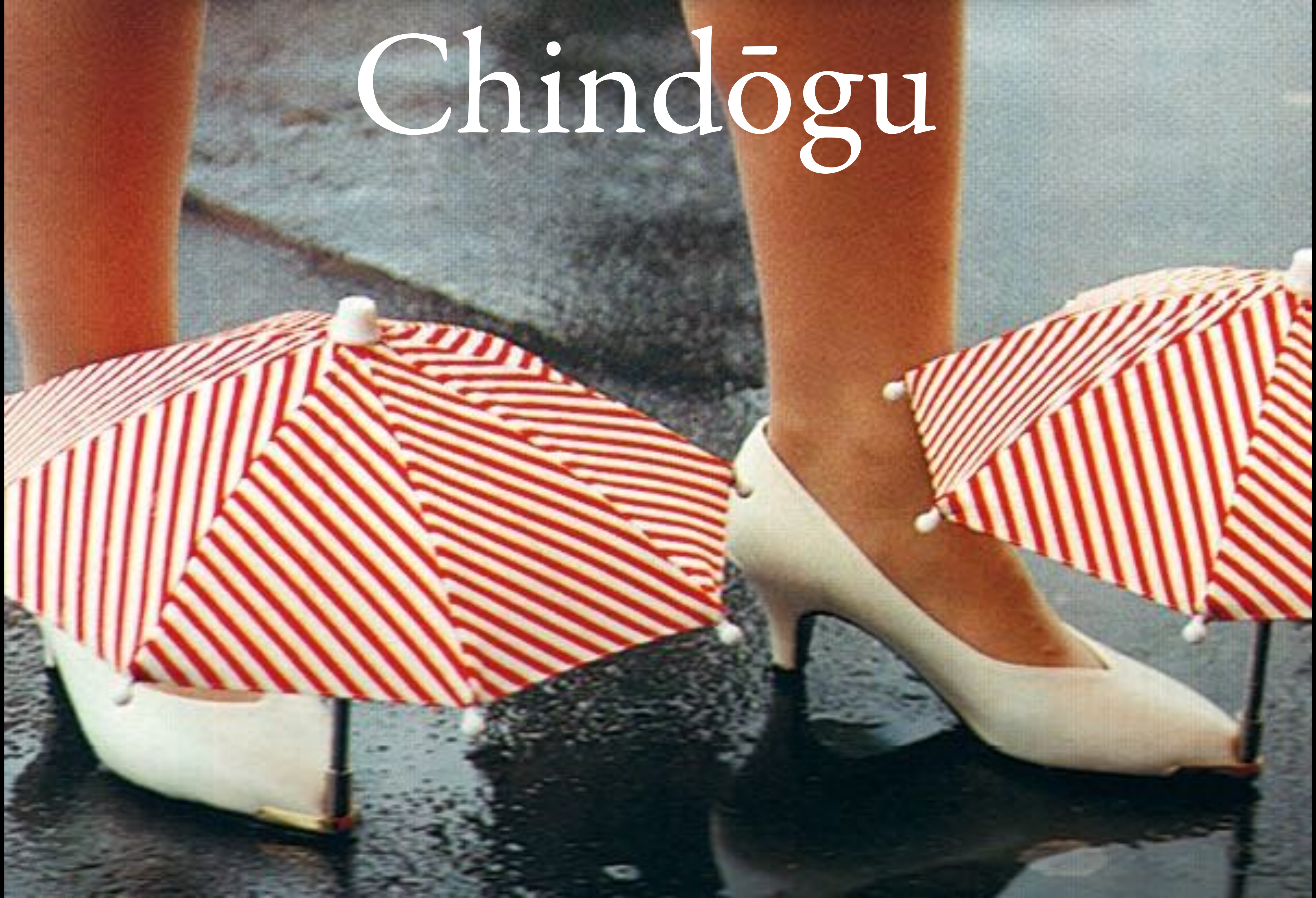


# Chindōgu





# Chindōgu





# Chindōgu





# Chindōgu





# Chindōgu



*Self-Portrait Camera Stick*  
*Do it yourself without the palaver*

If you're travelling alone or as a couple, it's hard to get pictures with you in them. It can be embarrassing to have to ask someone to take the photo for you, confusing if they don't speak your language, even costly if the third party regards your camera as a gift!

With a fifty-seven-centimetre telescoping pole your dilemma is over. Expanding to three times its length for a full shot of you, your companion and your environs, your only problem will be that all your shots will capture you in the act of holding the pole. This could become a tiresome feature of your photo album — unless you really like poles.



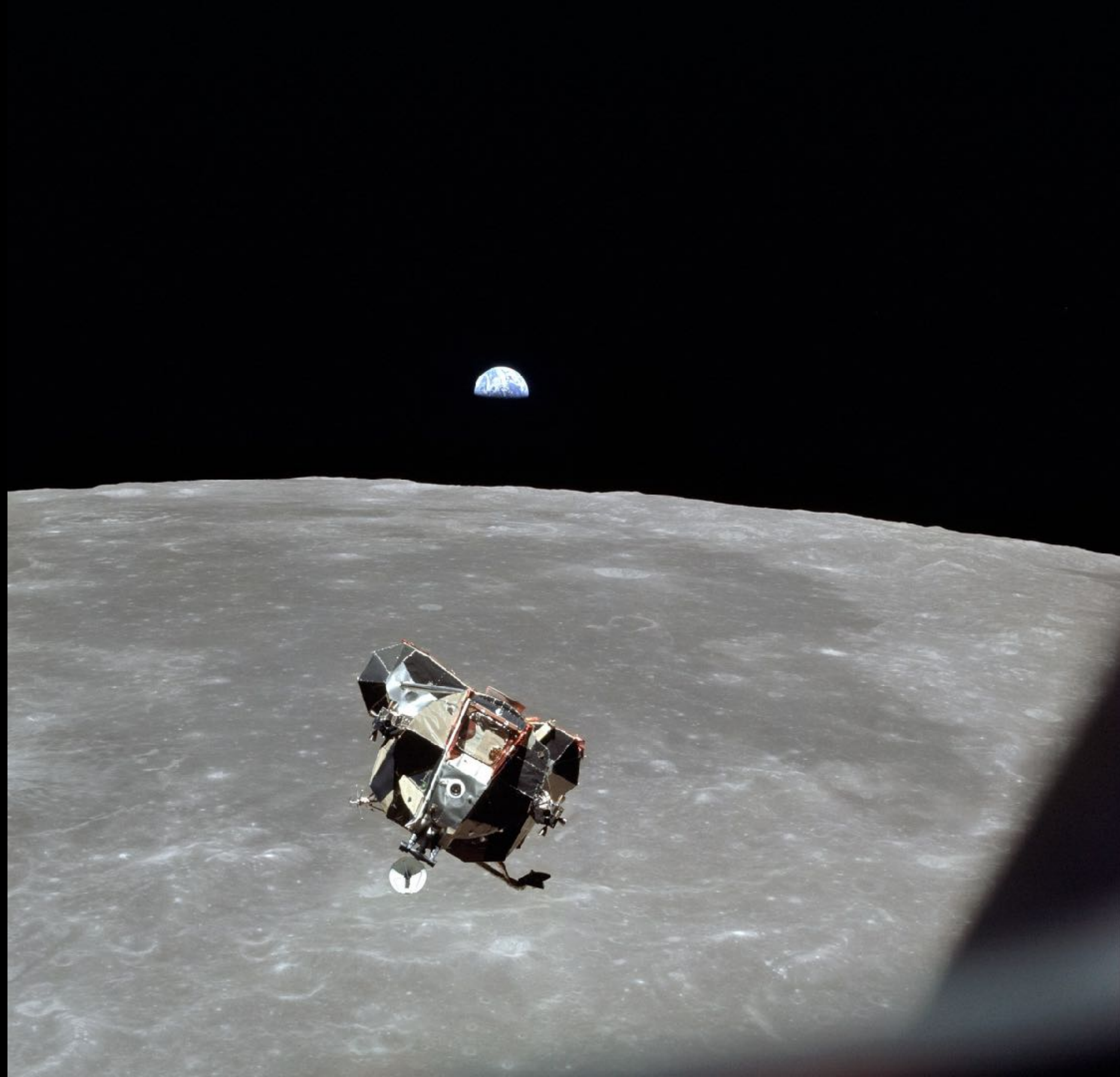


hardware

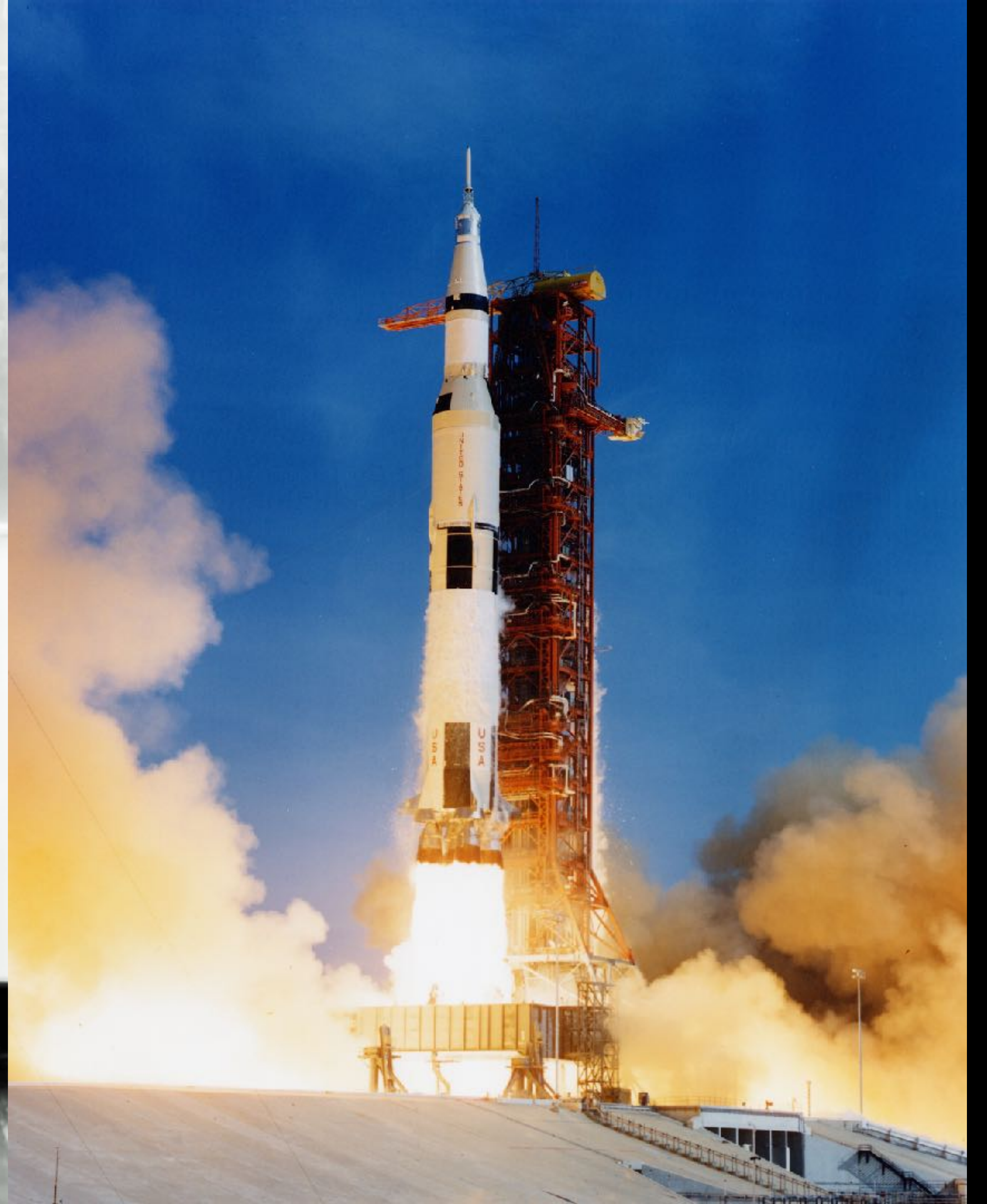
software

human











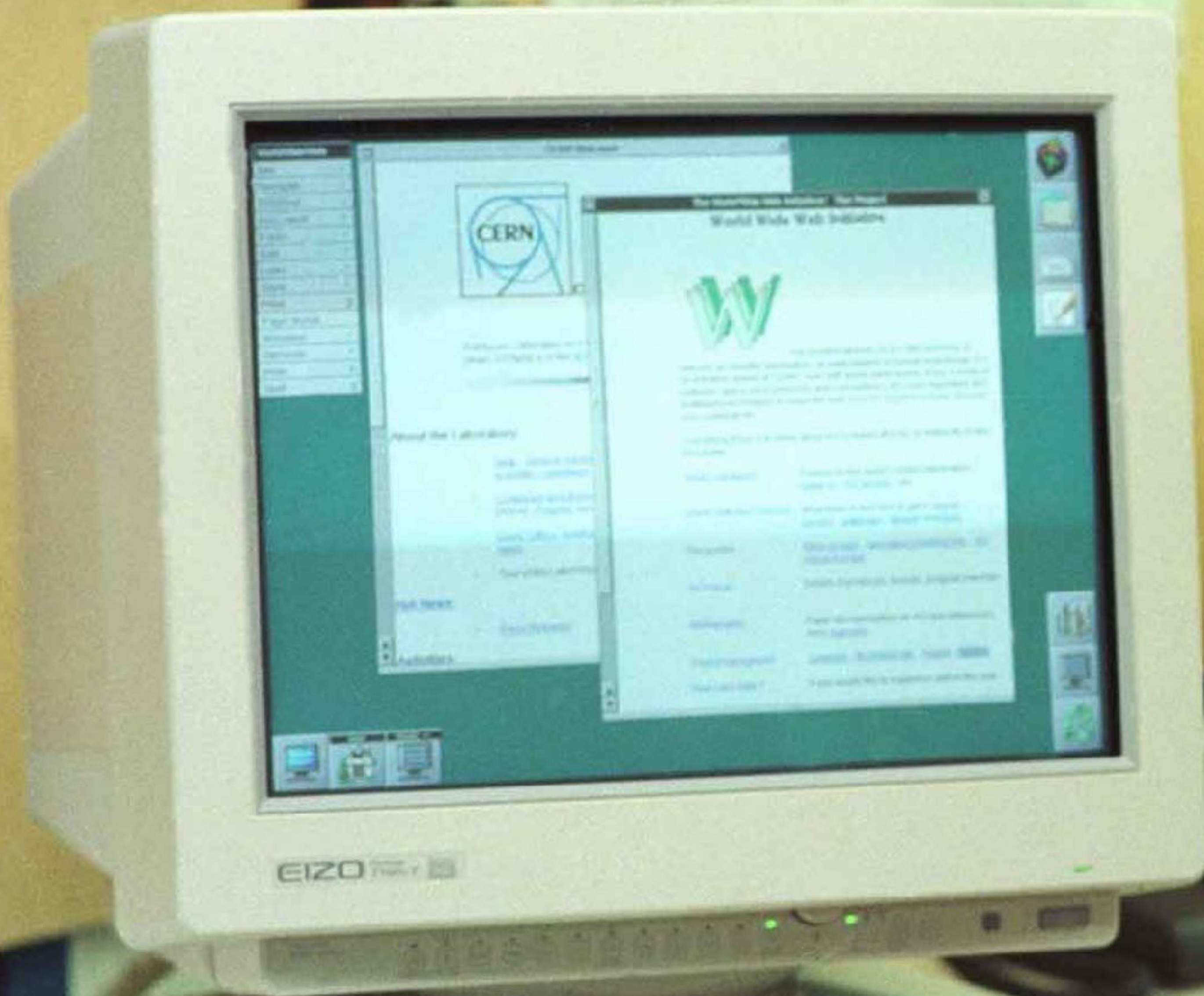
hardware

software

human



# WWW





**www**

**internet**

**computers**

**electricity**

**industrialisation**



**WWW**

**HTTP**

**URLs**

**HTML**





NO  
ADMITTANCE



*“Humans are allergic to change.”*

—Grace Hopper



**WWW**

**HTTP**

**URLs**

**HTML**

**TCP/IP**

**DNS**

**SGML**



**<body>**

**<title>**

**<h1>**

**<p>**

**<h2>**

**<ul>**

**<h3>**

**<ol>**

**<li>**

**<dl>**

**<dt>**

**<dd>**

**SGML**



**<article>**

**<section>**

**<aside>**

**<figure>**

**<main>**

**<header>**

**<footer>**

**HTML**



**<canvas>**

**<video>**

**<audio>**

**<picture>**

**<datalist>**

**HTML**



*“HTML 5 document conformance requirements should be designed so that web content can degrade gracefully in older or less capable user agents, even when making use of new elements, attributes, APIs and content models.”*

—HTML Design Principles



**principles.adactio.com**



**patterns**

**principles**

**goals**



**<canvas>**

**<video>**

**<audio>**

**<picture>**

**<datalist>**

**HTML**



How well does it work?



How well does it fail?



# Can I use

# css shapes

[Settings](#)

1 result found

## # CSS Shapes Level 1 - CR

Allows geometric shapes to be set in CSS to define an area for text to flow around.

Global

80.74%

unprefixed:

78.1%

Current aligned

Usage relative

Date relative

Show all

IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
			49						
		52	58			9.3		4.4	
	14	54	59		46	10.2		4.4.4	
11	15	55	60	10.1	47	10.3	all	56	59
	16	56	61	11	48	11			
		57	62	TP	49				
		58	63						

Notes

Known issues (0)

Resources (7)

Feedback

MS Edge status: Under Consideration

Firefox status: in-development



[Journal](#) [Links](#) [Articles](#) [Notes](#) [About](#)

---



## Jeremy Keith

Making [websites](#). Writing [books](#).

Speaking at [conferences](#). Living in [Brighton](#).

Working at [Clearleft](#). Playing [music](#).

Taking [photos](#). Answering [email](#).

**Journal**

**2325**



**Articles**

**64**



**Links**

**6060**



**Notes**

**2522**





[Journal](#) [Links](#) [Articles](#) [Notes](#) [About](#)

---



## Jeremy Keith

Making [websites](#). Writing [books](#).  
Speaking at [conferences](#).  
Living in [Brighton](#). Working at [Clearleft](#).  
Playing [music](#). Taking [photos](#).  
Answering [email](#).

**Journal**

**2325**



**Articles**

**64**



**Links**

**6060**



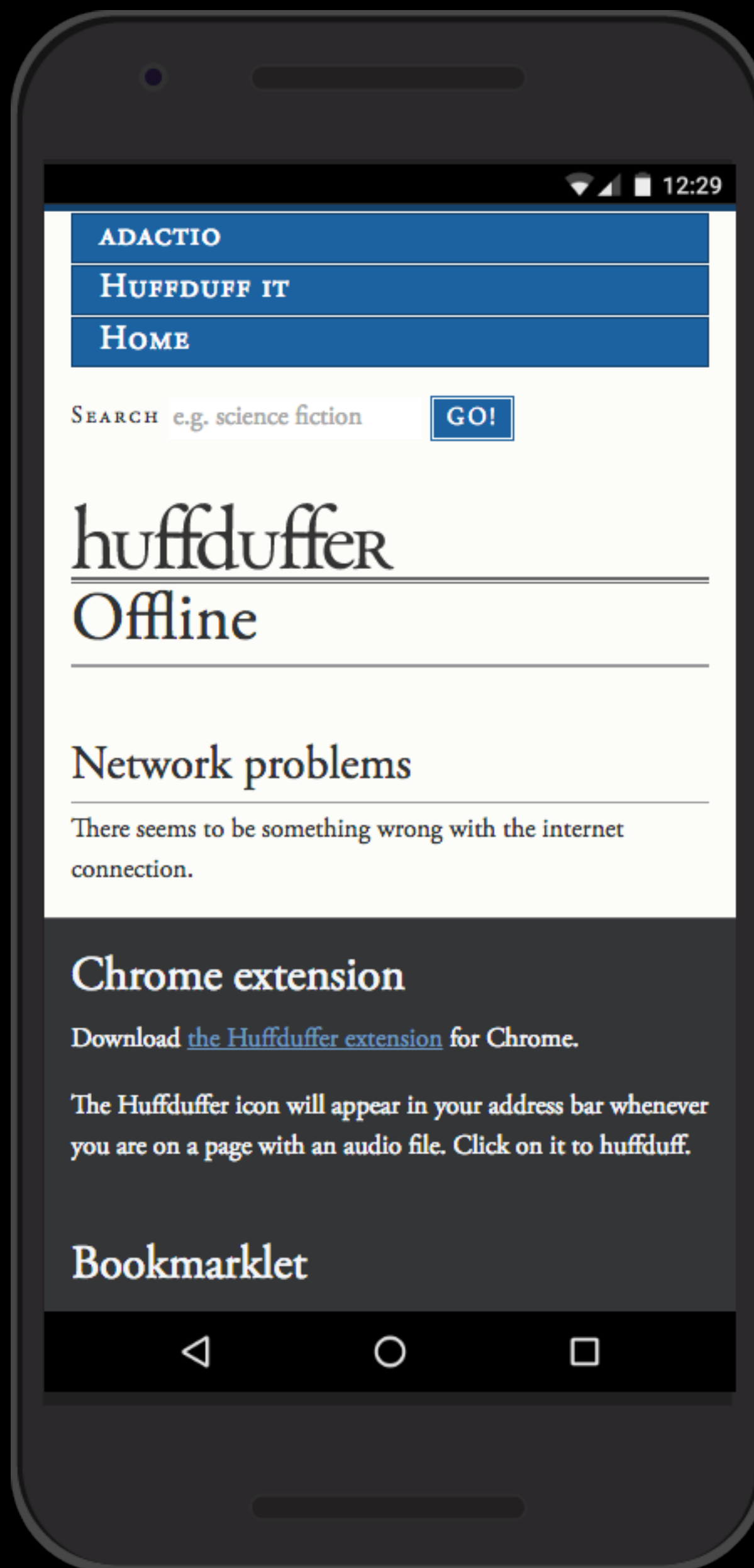
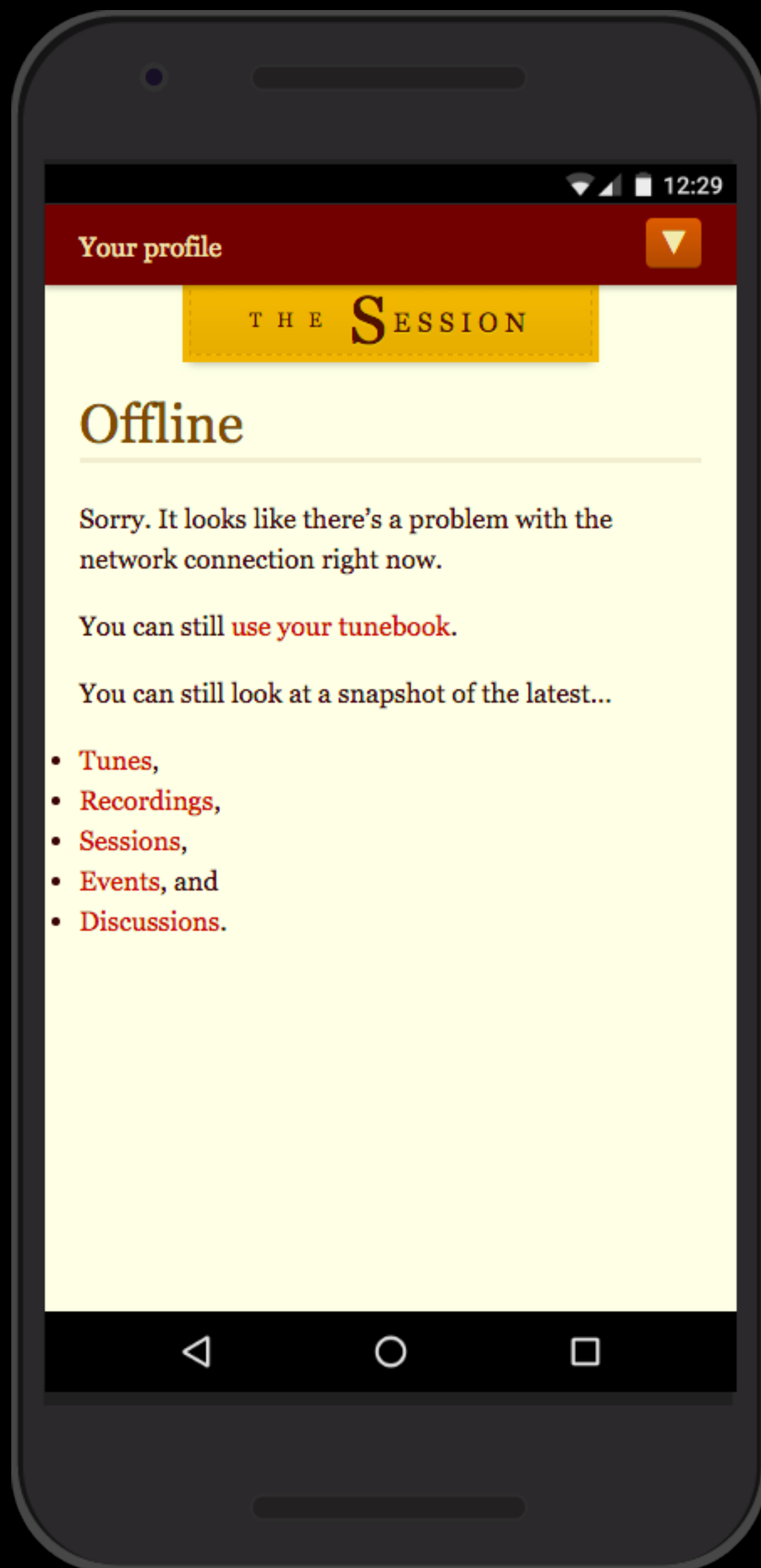
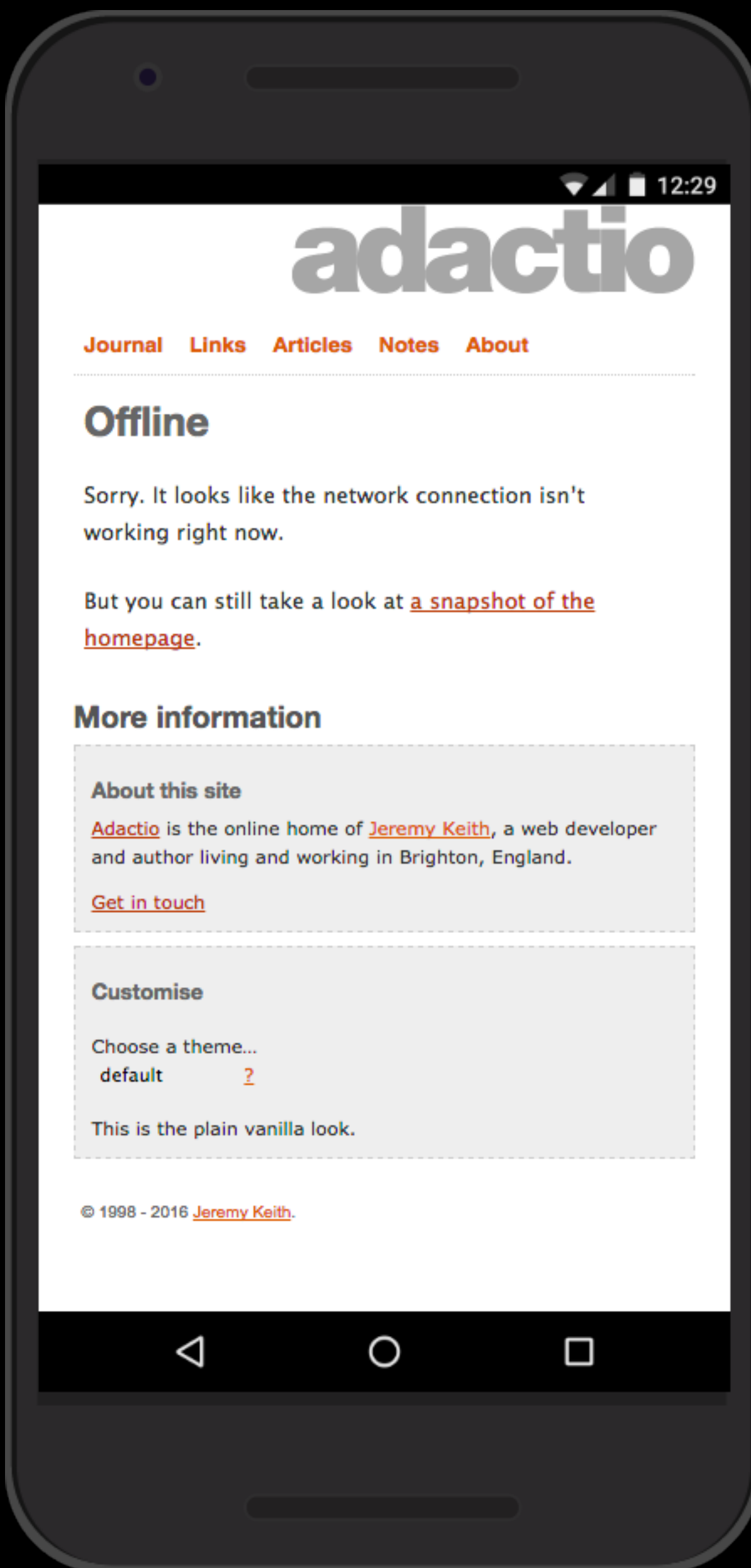
**Notes**





**service workers**







How well does it work?



# Can I use

# service workers

[Settings](#)

1 result found

## # Service Workers - WD

Global

64.53% + 9.41% = 73.94%

Method that enables applications to take advantage of persistent background processing, including hooks to enable bootstrapping of web applications while offline.

Current aligned

Usage relative

Date relative

Show all

IE	Edge <sup>*</sup>	Firefox	Chrome	Safari	Opera	iOS Safari <sup>*</sup>	Opera Mini <sup>*</sup>	Android Browser <sup>*</sup>	Chrome for Android
			49						
		<sup>3</sup> 52	58			9.3		4.4	
	14	54	59		46	10.2		4.4.4	
11	<sup>2</sup> 15	55	60	10.1	47	10.3	all	56	59
	<sup>2</sup> 16	56	61	11	48	11			
		57	62	TP	49				
		58	63						

Notes

Known issues (0)

Resources (8)

Feedback

Details on partial support can be found on [is ServiceWorker Ready?](#)

MS Edge status: [In Development](#)



How well does it fail?



custom elements

web components

shadow DOM



**<canvas>**

**<video>**

**<audio>**

**<picture>**

**<datalist>**

**HTML**



**<mega-menu>**

**<slippy-map>**

**<image-gallery>**

**<modal-lightbox>**

**<off-canvas>**



How well does it work?

# Can I use custom elements v1 ? [Settings](#)

1 result found

#

## Custom Elements v1 - LS

Global

0% + 62.73% = 62.73%

Method of defining new HTML tags.

Current aligned

Usage relative

Date relative

Show all

IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
			49						
		52	<sup>1</sup> 58			9.3		4.4	
	14	54	<sup>1</sup> 59		<sup>1</sup> 46	10.2		4.4.4	
11	15	55	<sup>1</sup> 60	<sup>1</sup> 10.1	<sup>1</sup> 47	<sup>1</sup> 10.3	all	<sup>1</sup> 56	<sup>1</sup> 59
	16	56	<sup>1</sup> 61	<sup>1</sup> 11	<sup>1</sup> 48	<sup>1</sup> 11			
		57	<sup>1</sup> 62	<sup>1</sup> TP	<sup>1</sup> 49				
		58	<sup>1</sup> 63						

Notes

Known issues (0)

Resources (10)

Feedback

Chrome 36+/Opera 20+ implemented a previous version of Custom Elements (v0) that used `.registerElement()`. Other browsers are implementing v1, `window.customElements.define()`.

MS Edge status: [Under Consideration](#)



How well does it fail?

**<image-gallery>**

****

****

****

**</image-gallery>**



**<image-gallery>**  
**</image-gallery>**

`<body>`

`<shop-app>`

`</shop-app>`

`<script>...</script>`

`</body>`

**shop.polymer-project.org**



**service workers**

**web components**

**the extensible web**

**ajax**

**responsive web design**

**progressive web app**



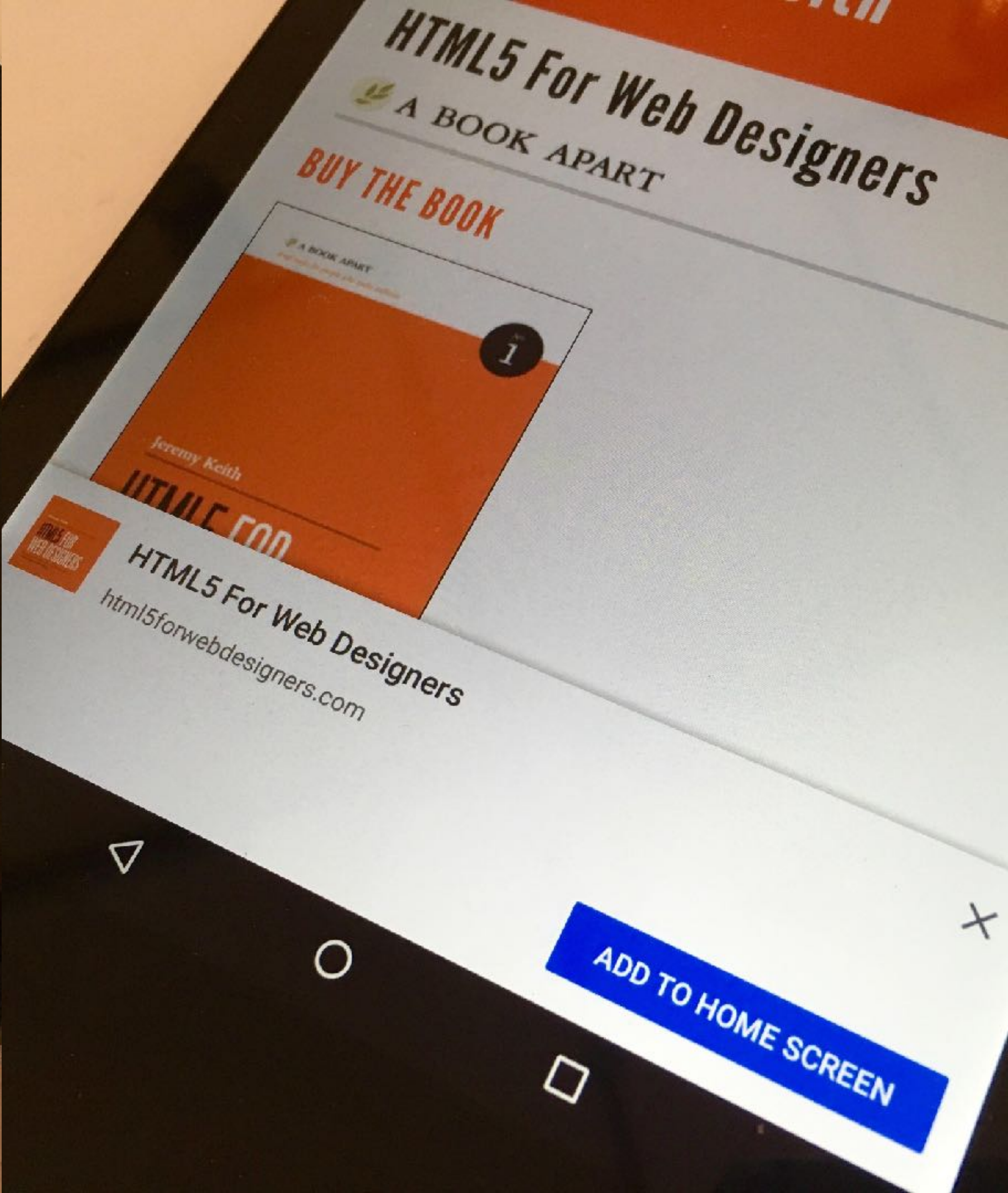
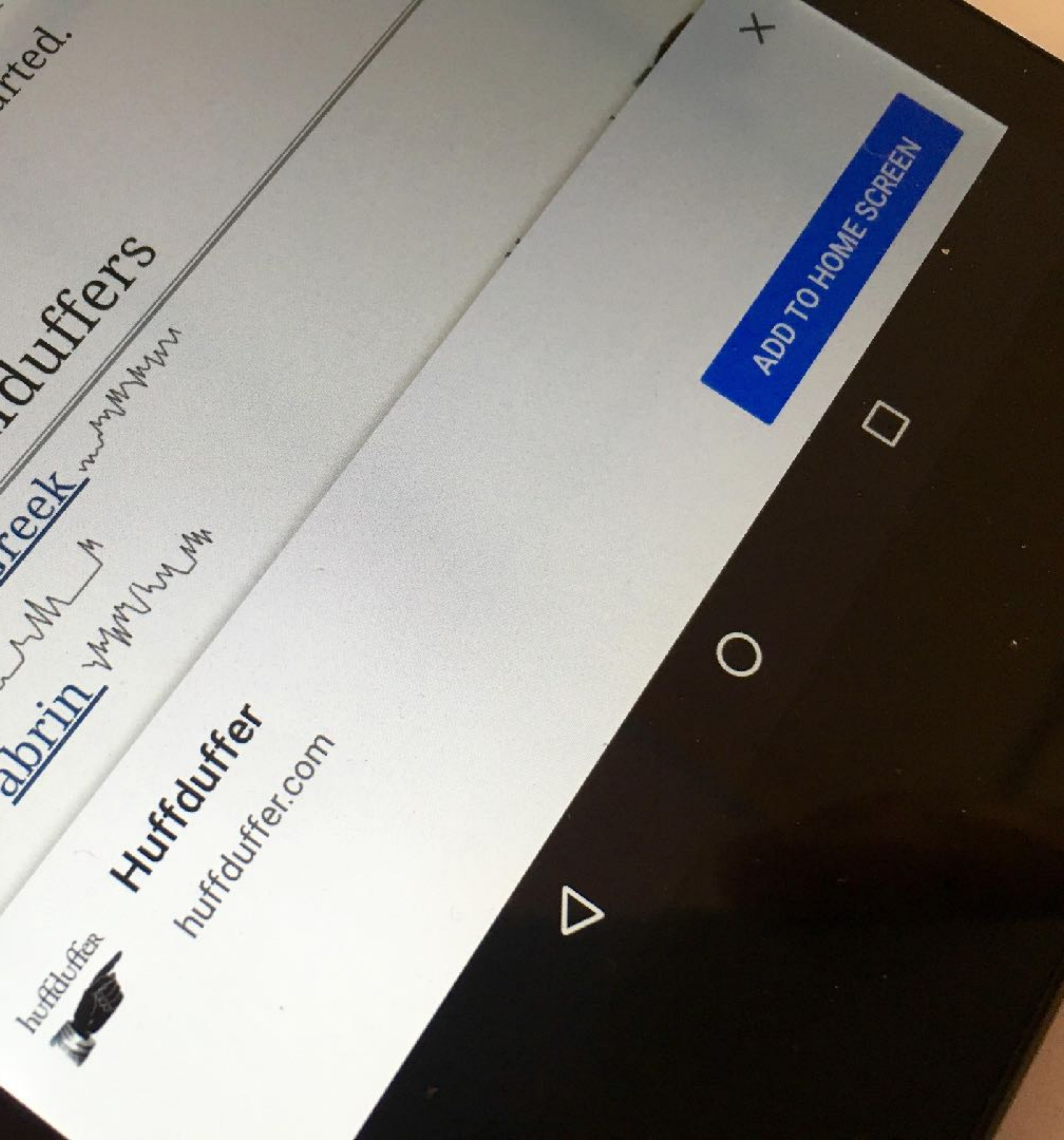
**HTTPS**

**+ service worker**

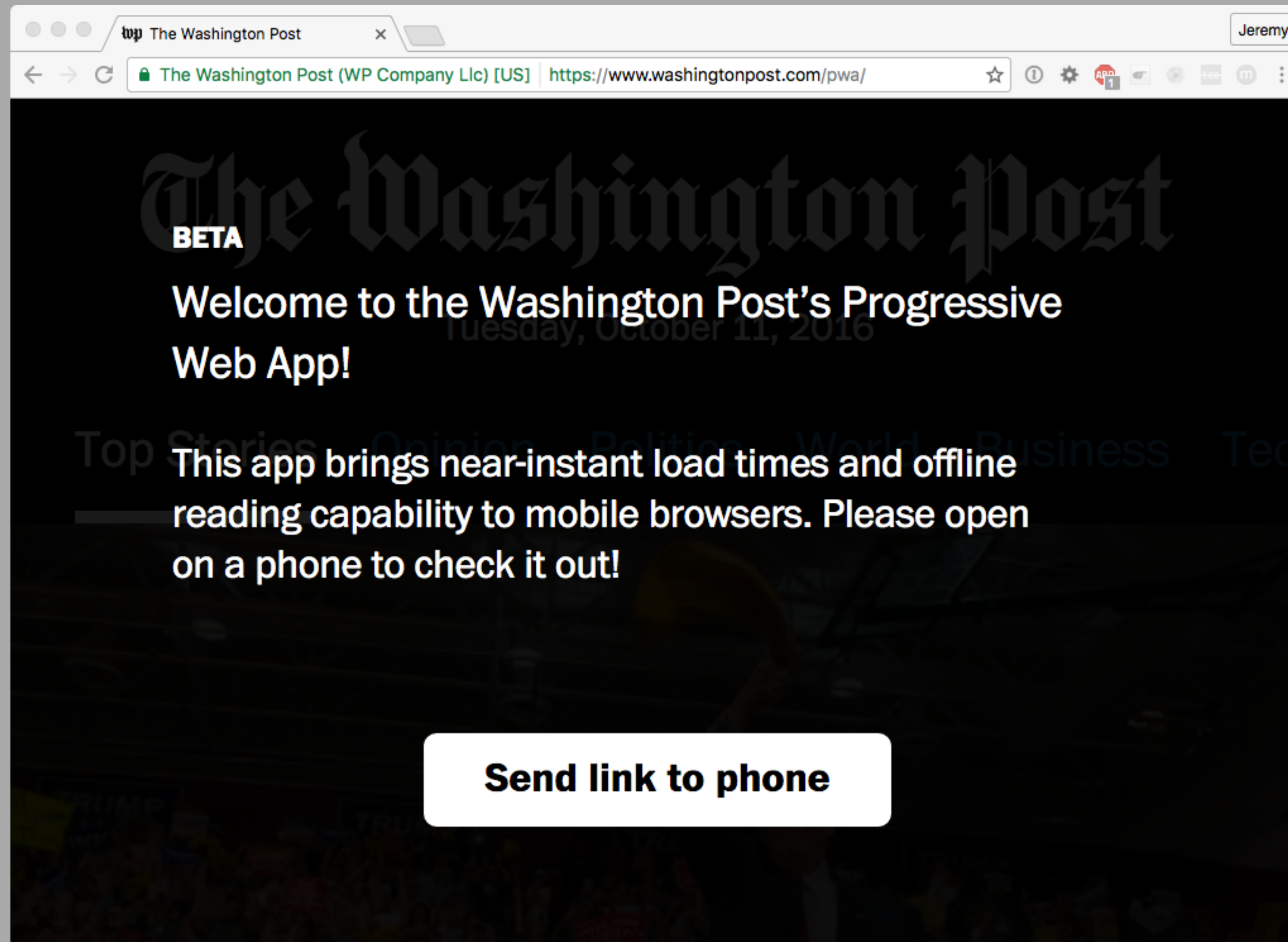
**+ manifest file**

**= progressive web app**







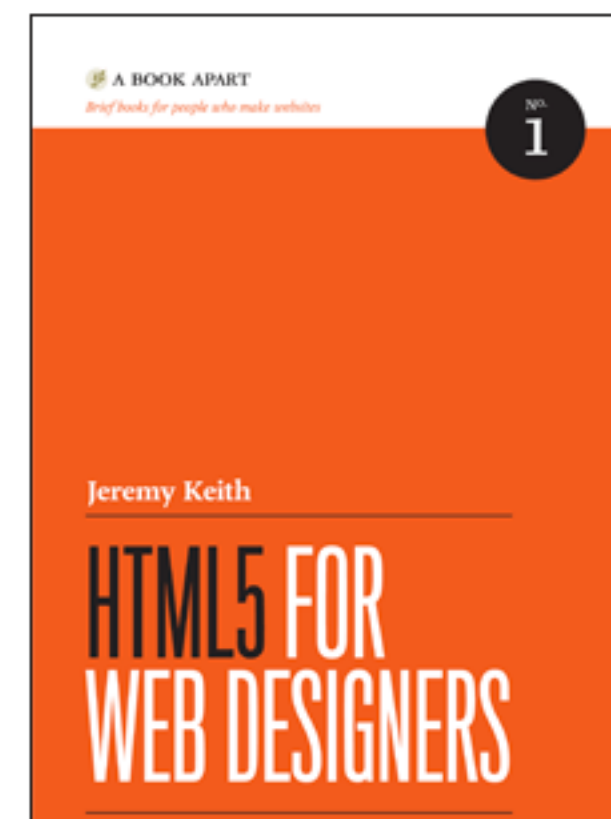


# HTML5 For Web Designers by Jeremy Keith

## HTML5 For Web Designers

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1. A Brief History of Markup Languages
2. The Evolution of the Web
3. Rich Media and the Web
4. Web Standards and the Web
5. Semantic Markup and the Web
6. Using HTML5
- Index

## Design Principles

Categories People • Organisations • Formats • Software • Hardware

#### The Robustness Principle

☞ Be conservative in what you send; be liberal in what you accept.

#### The Pareto Principle

☞ 80% of the effects come from 20% of the causes.

#### The Principle of Least Surprise

☞ When two elements of an interface conflict, or are ambiguous, the behaviour should be that which will least surprise the user.

#### The DRY Principle

☞ Every piece of knowledge must have a single, unambiguous, authoritative representation



Who benefits?

**developers**

**users**



**sass**

**less**

**git**

**gulp**

**npm**

**jQuery**

**bootstrap**

**angular**

**react**

**ember**

What are the assumptions?



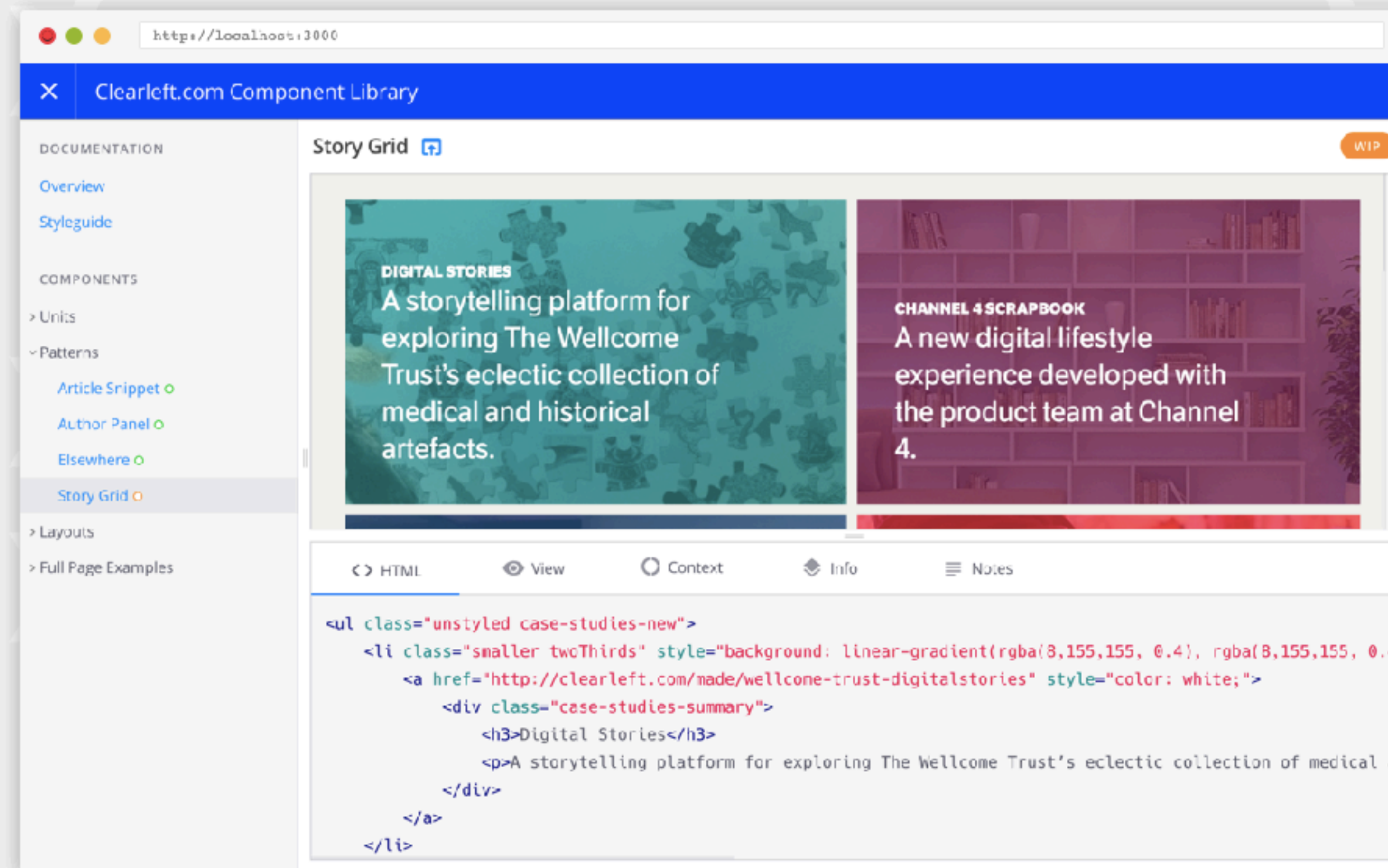
*“Software, like all technologies, is inherently political. Code inevitably reflects the choices, biases and desires of its creators.”*

—Jamaïs Cascio

# Build. Document. Integrate.

Powerful component libraries & styleguides that fit the way *you* work.

Get started →





*“The street finds its own uses for things.”*

—William Gibson  
*Burning Chrome*

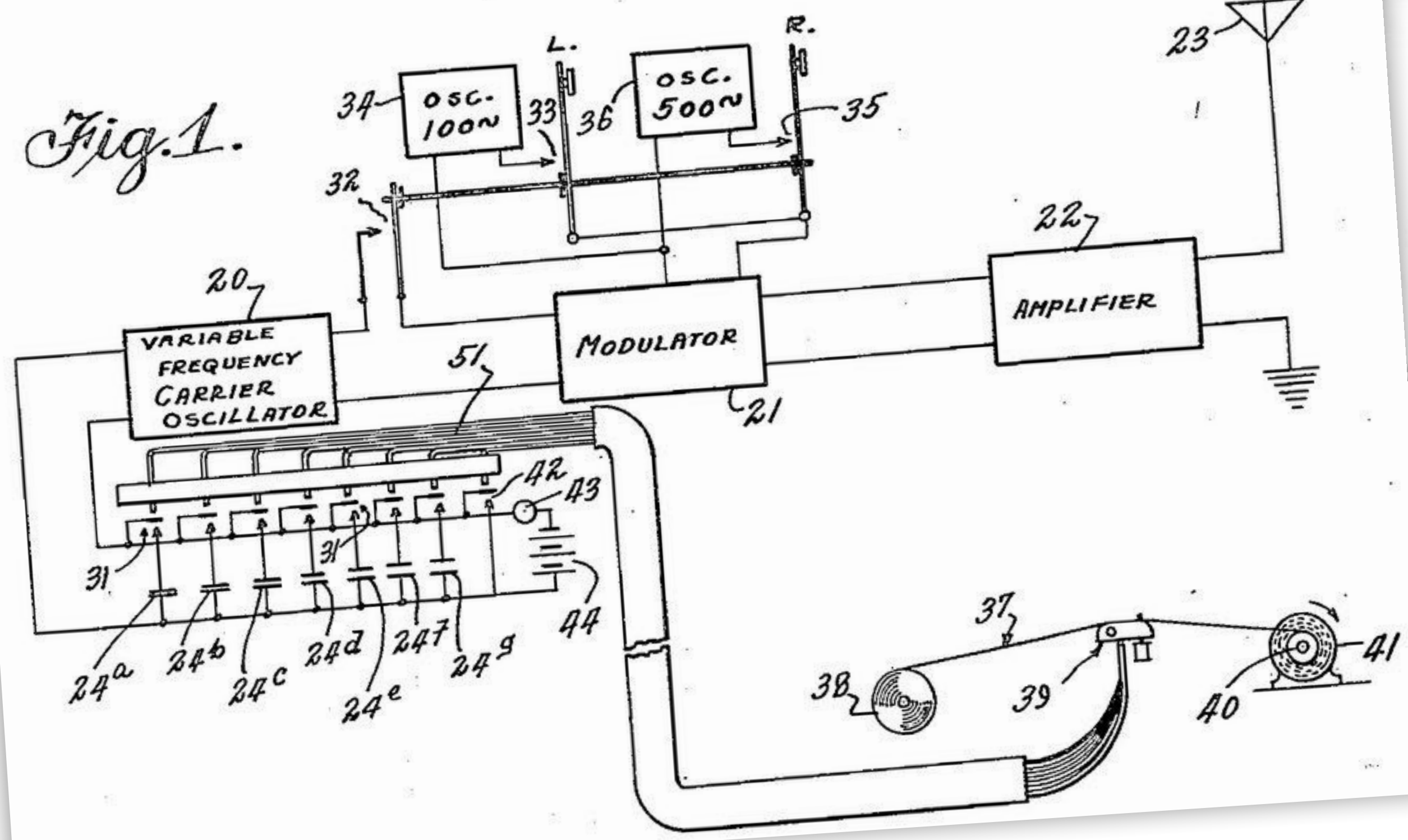
Aug. 11, 1942.

H. K. MARKEY ET AL  
SECRET COMMUNICATION SYSTEM

Filed June 10, 1941

2,292,387

2 Sheets-Sheet 1





*“Technology is neither good nor bad;  
nor is it neutral.”*

—Melvin Kranzberg





**IT'S THE FUTURE.  
TAKE IT.**



**IT'S THE FUTURE.  
TAKE IT.**

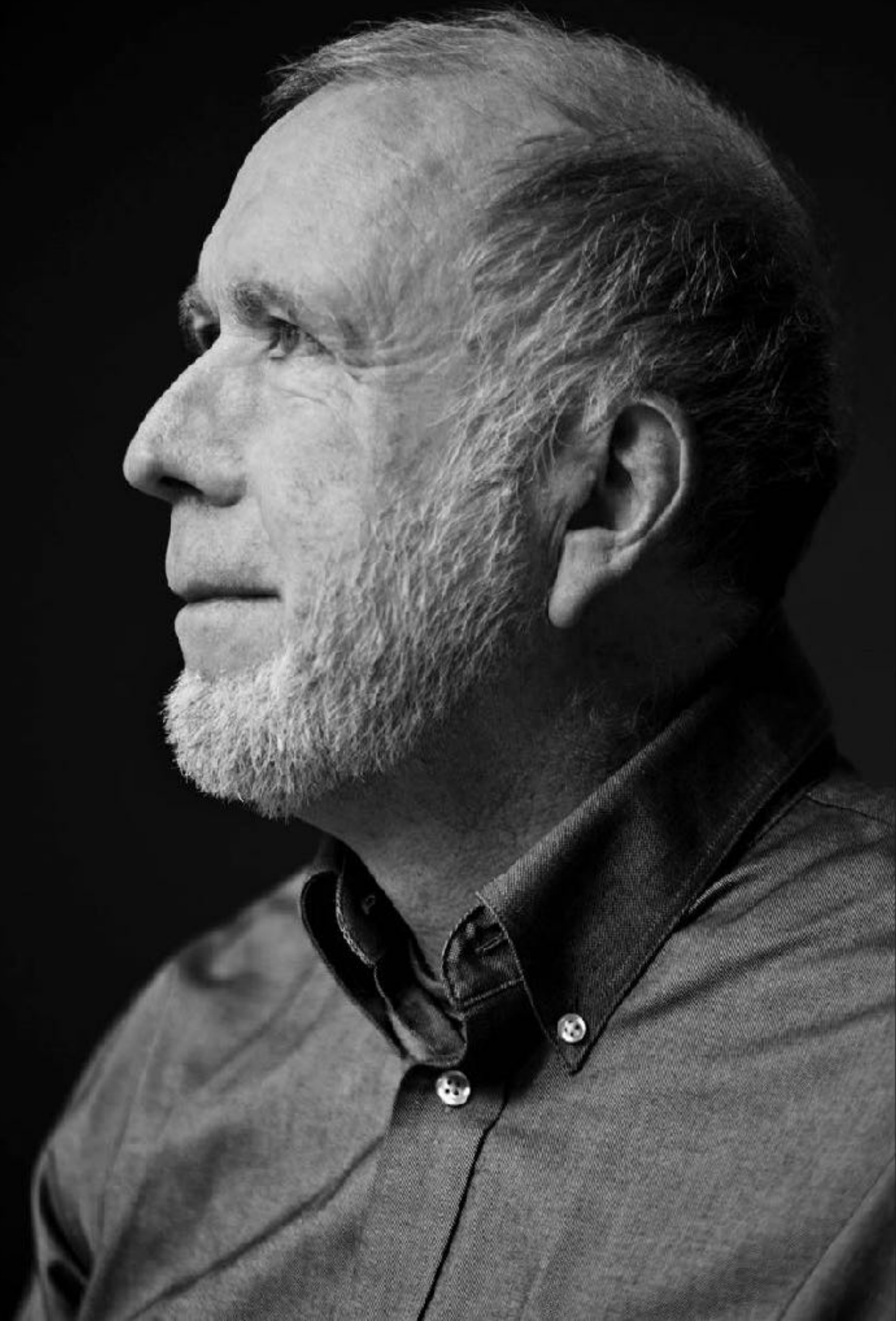






# The Inevitable

## What Technology Wants

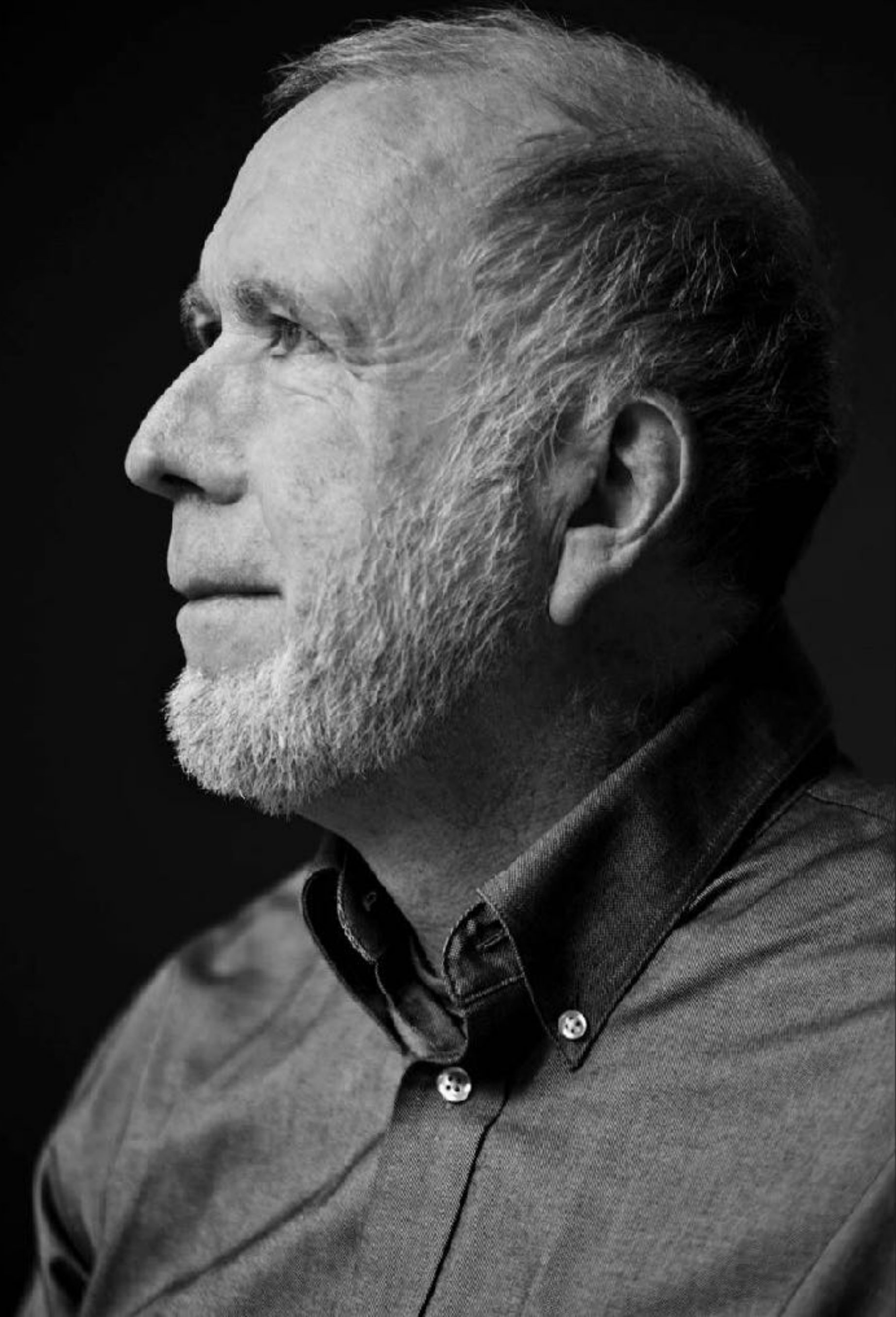




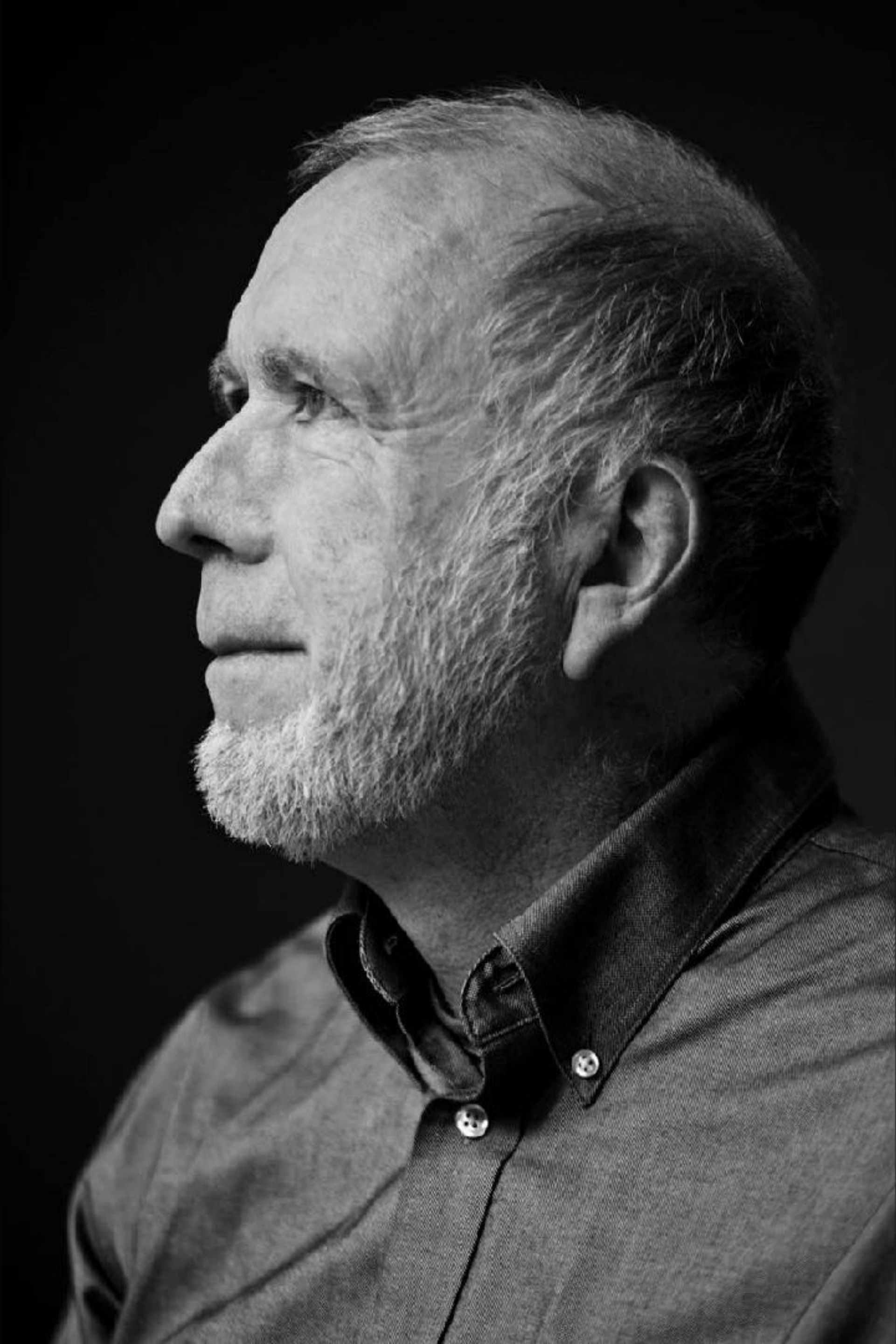
# amish-ish

*“The Amish have the undeserved reputation of being luddites, of people who refuse to employ new technology. The Amish are steadily adopting technology — at their pace. They are slow geeks.”*

—Kevin Kelly









How well does it work?

How well does it fail?

Who benefits?

What are the assumptions?









Thank you