

The State Of The Web

What a terrible year!



1968



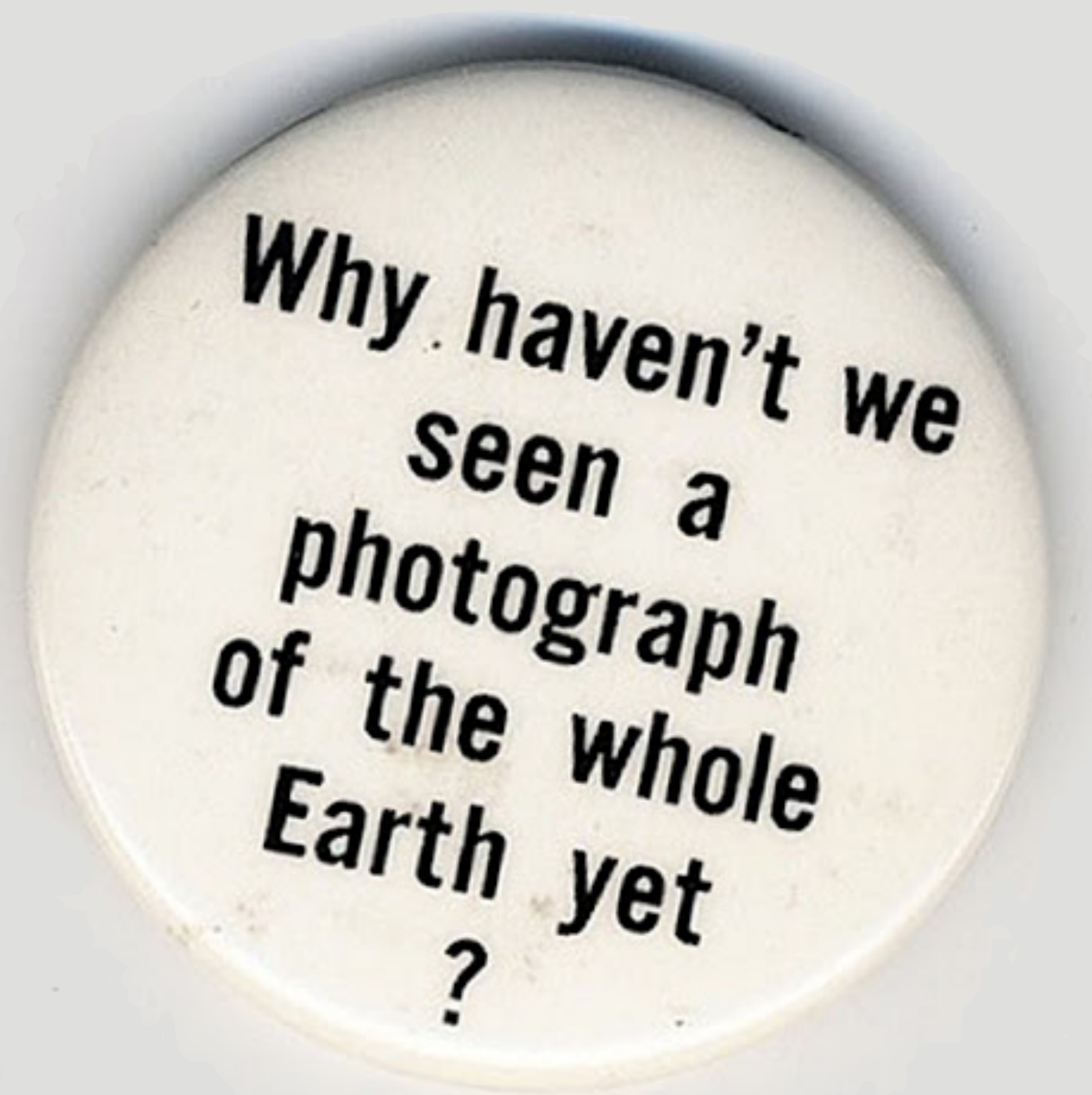
Lovell Borman Anders







**Why haven't we
seen a
photograph
of the whole
Earth yet
?**



WHOLE EARTH CATALOG

access to tools



Fall 1968

\$5



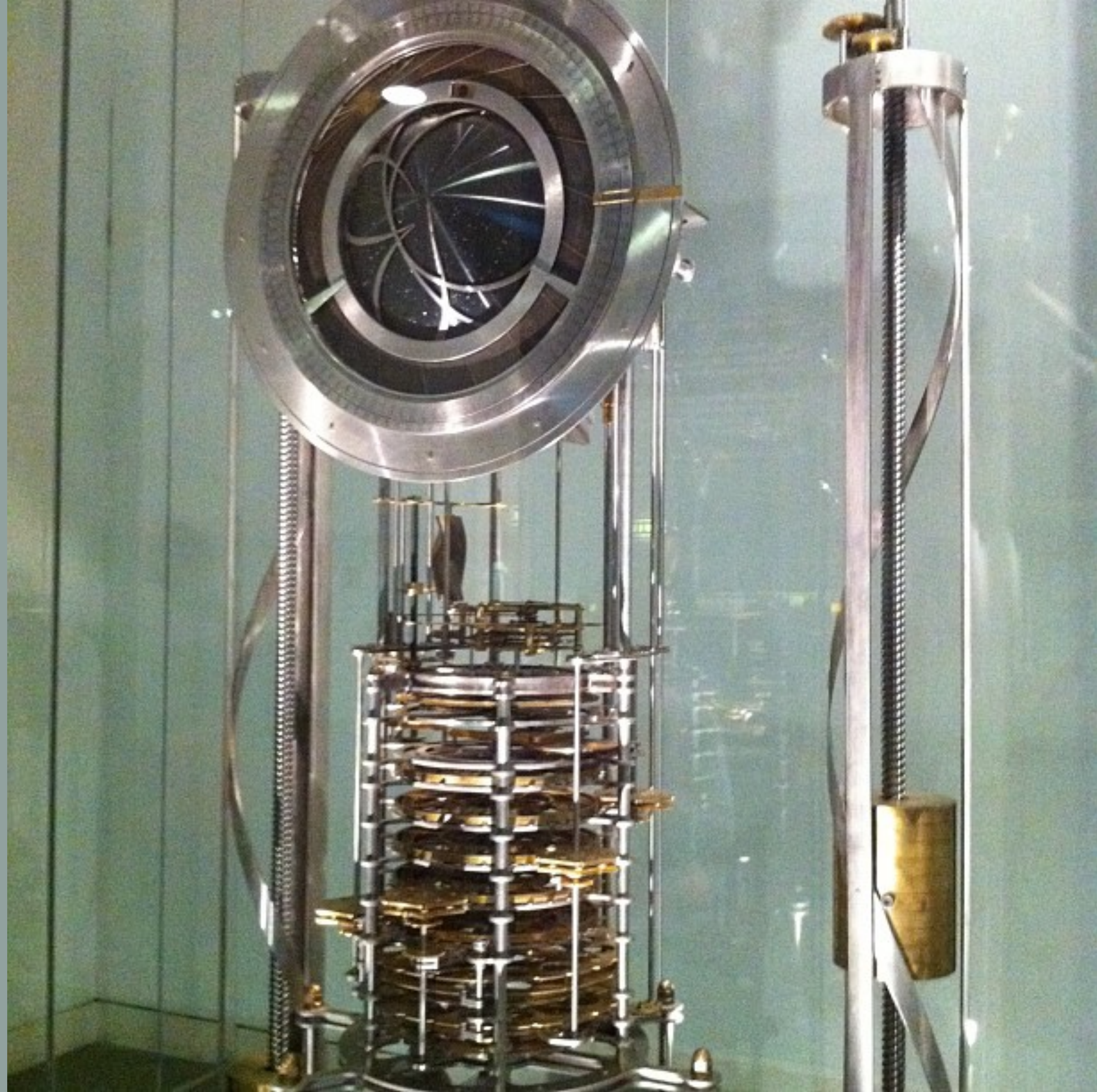
www.longnow.org

X

LONG NOW

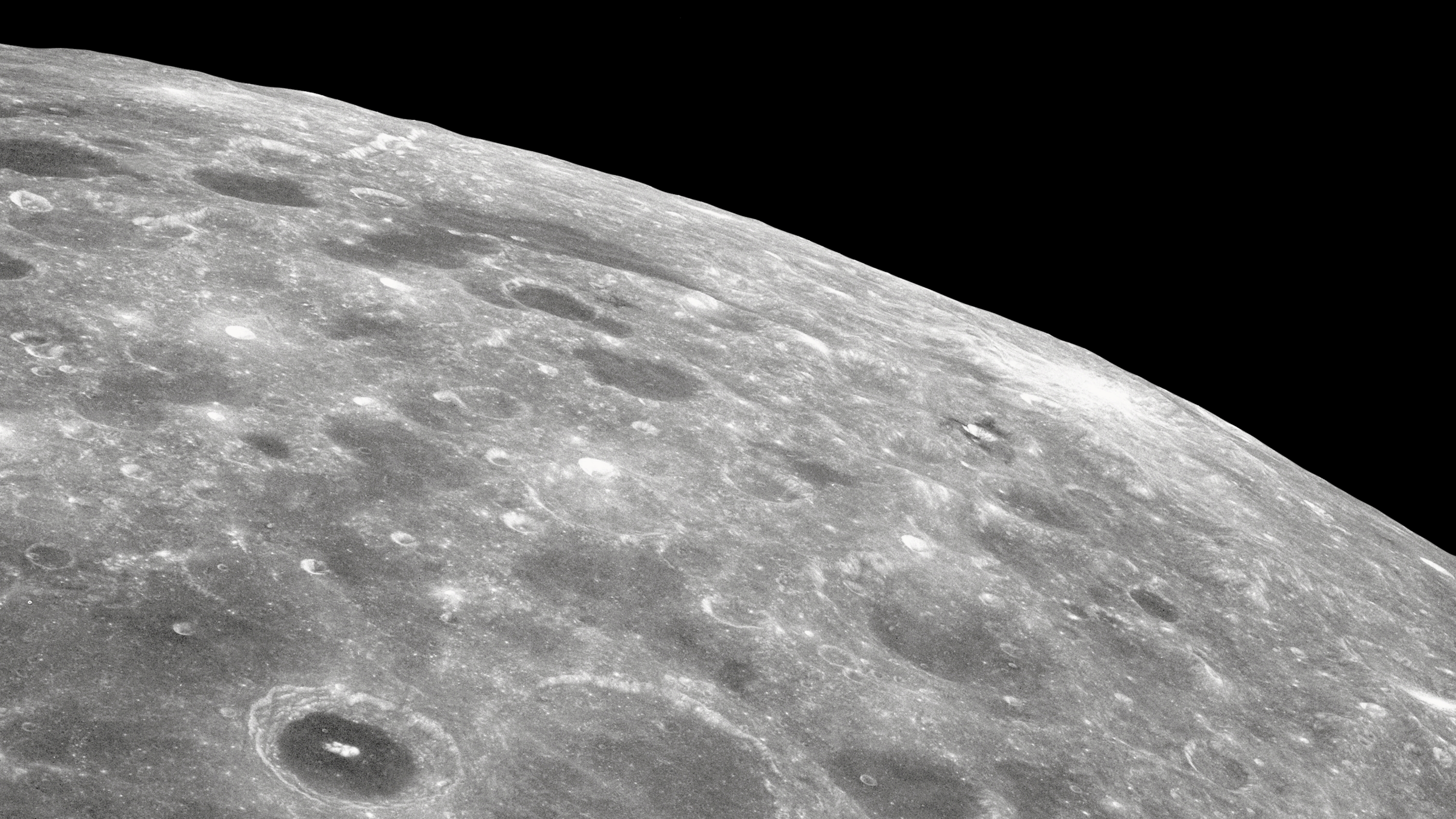
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member









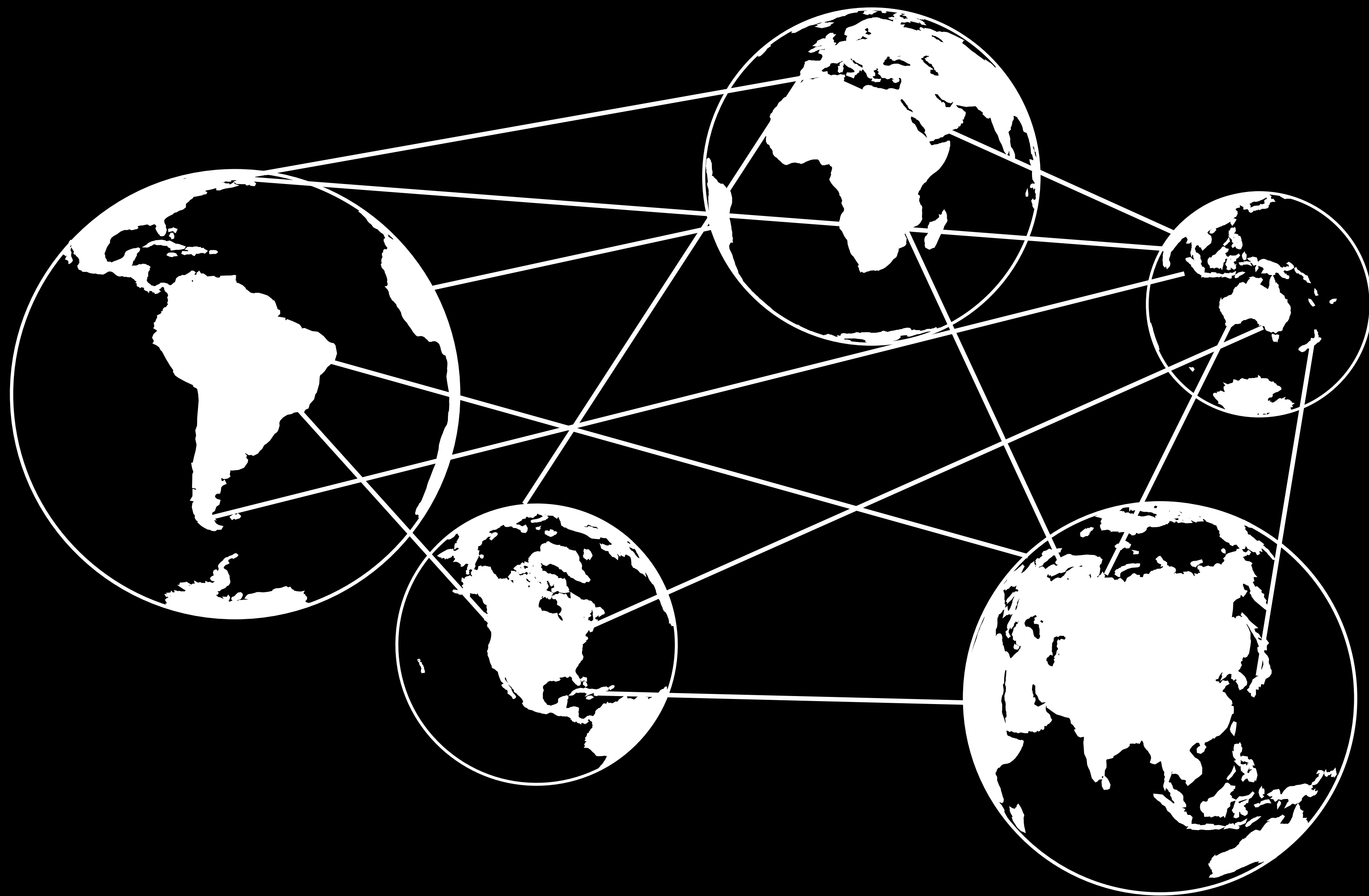
Hydrotic Nephrosis is a rare kidney disease that causes the kidneys to produce too much urine. It is often associated with a condition called Fanconi syndrome, which affects the ability of the kidneys to reabsorb certain substances. The symptoms of Hydrotic Nephrosis include excessive urination, thirst, and dehydration. It is a serious condition that requires medical attention. 😊



EARTHRISE







FILE COPY DO NOT REMOVE

JULY 1945

THE

Atlantic



THE ATLANTIC REPORT — ON THE WORLD TODAY

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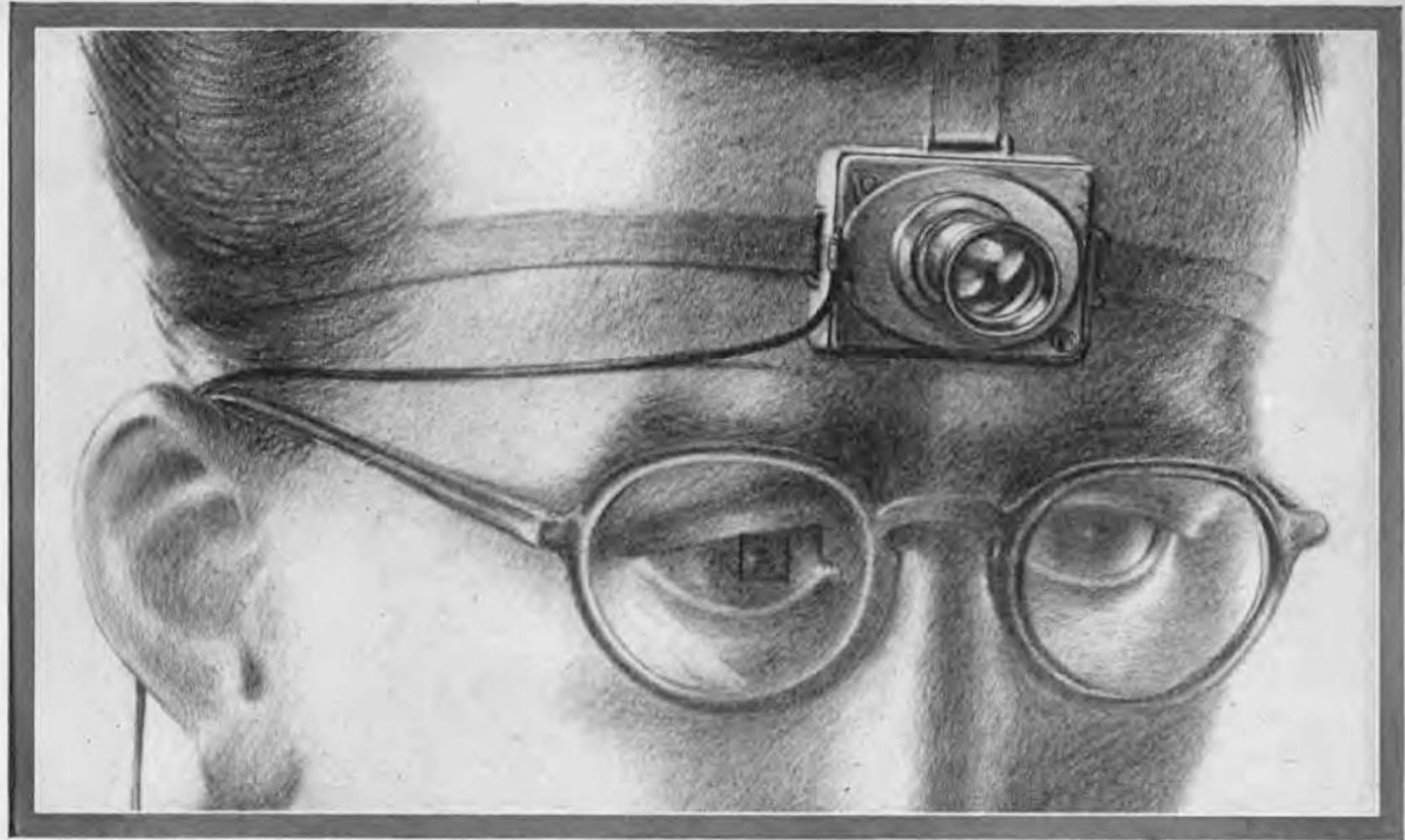
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Vannevar Bush



A SCIENTIST OF THE FUTURE RECORDS EXPERIMENTS WITH A TINY CAMERA FITTED WITH UNIVERSAL-FOCUS LENS. THE SMALL SQUARE IN THE EYEGLASS AT THE LEFT SIGHTS THE OBJECT

AS WE MAY THINK

A TOP U. S. SCIENTIST FORESEES A POSSIBLE FUTURE WORLD
IN WHICH MAN-MADE MACHINES WILL START TO THINK

by VANNEVAR BUSH

DIRECTOR OF THE OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT

Condensed from the *Atlantic Monthly*, July 1945

This has not been a scientists' war; it has been a war in which all have had a part. The scientists, burying their old professional competition in the demand of a common cause, have shared greatly and learned much. It has been exhilarating to work in effective partnership. What are the scientists to do next?

ress, and the effort to bridge between disciplines is correspondingly superficial.

Professionally our methods of transmitting and reviewing the results of research are generations old and by now are totally inadequate for their purpose. If the aggregate time spent in writing scholarly works and in reading

memex

hypertext



hypertext

Ted Nelson



Tim Berners-Lee



DEMO

Douglas Engelbart

Part story, part game, this is a book with a difference – one in which YOU become the hero!

Armed with two dice, a pencil and an eraser, you can set off on a perilous quest to find the Warlock's treasure. YOU will need to decide which route to follow, and which monsters to fight in the elaborate combat system given in the book.

You may not survive your first journey. But with experience, skill and luck, each fresh attempt should bring you nearer to your great goal . . .

Cover illustration by Peter Jones

U.K. £1.25
AUST. \$2.95
(recommended)
CAN. \$2.95

A Puffin Book

ISBN 0 14
03.1538 1

STEVE JACKSON
AND IAN LIVINGSTONE

The Warlock of Firetop Mountain

ISBN 0 14
03.1538 1



A
PUFFIN
ORIGINAL

Steve Jackson and Ian Livingstone

THE WARLOCK OF FIRETOP MOUNTAIN

A fighting fantasy gamebook
in which YOU become the hero!

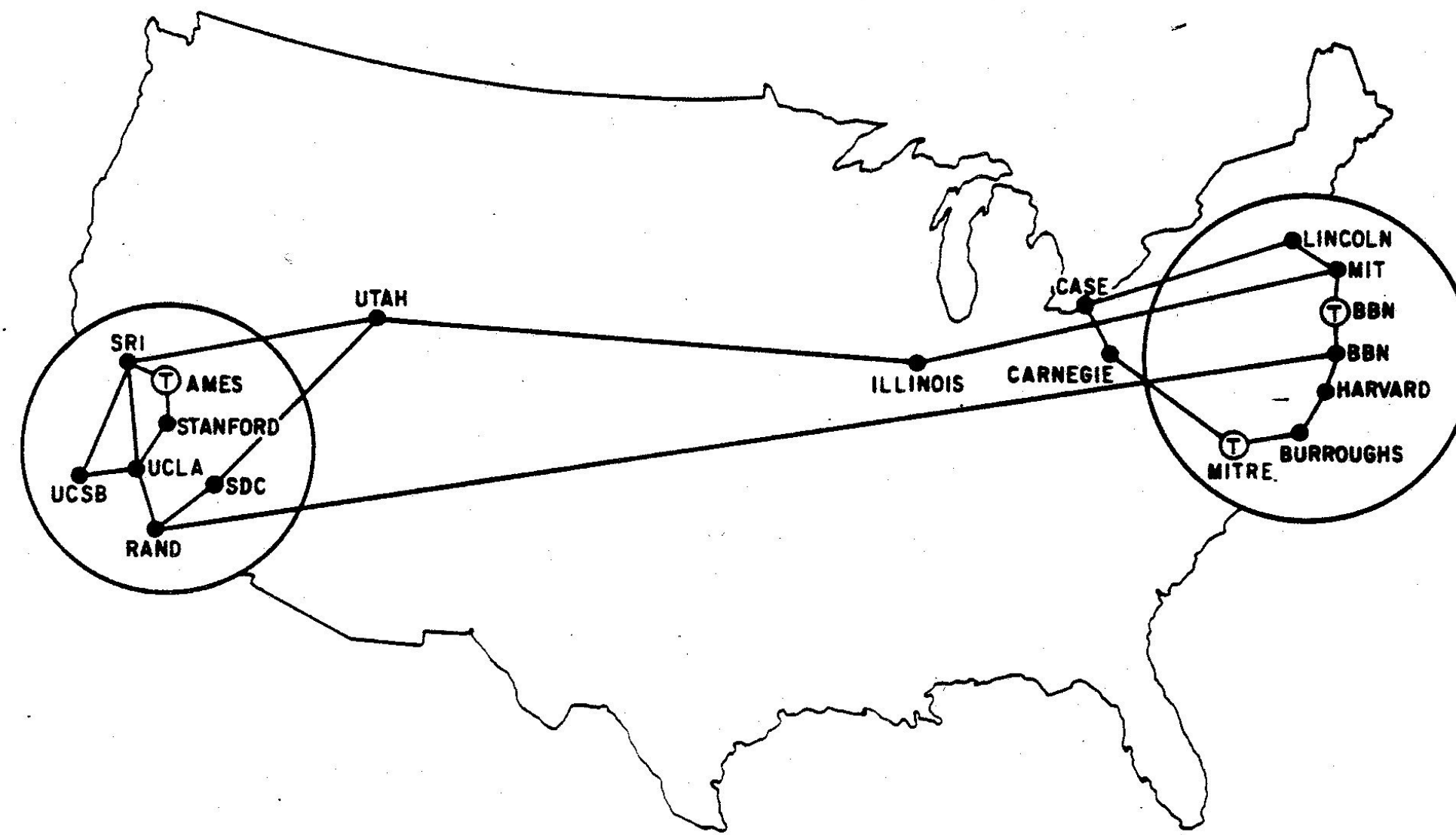
Complete with combat
system, monster
encounters
and score
sheet

networks

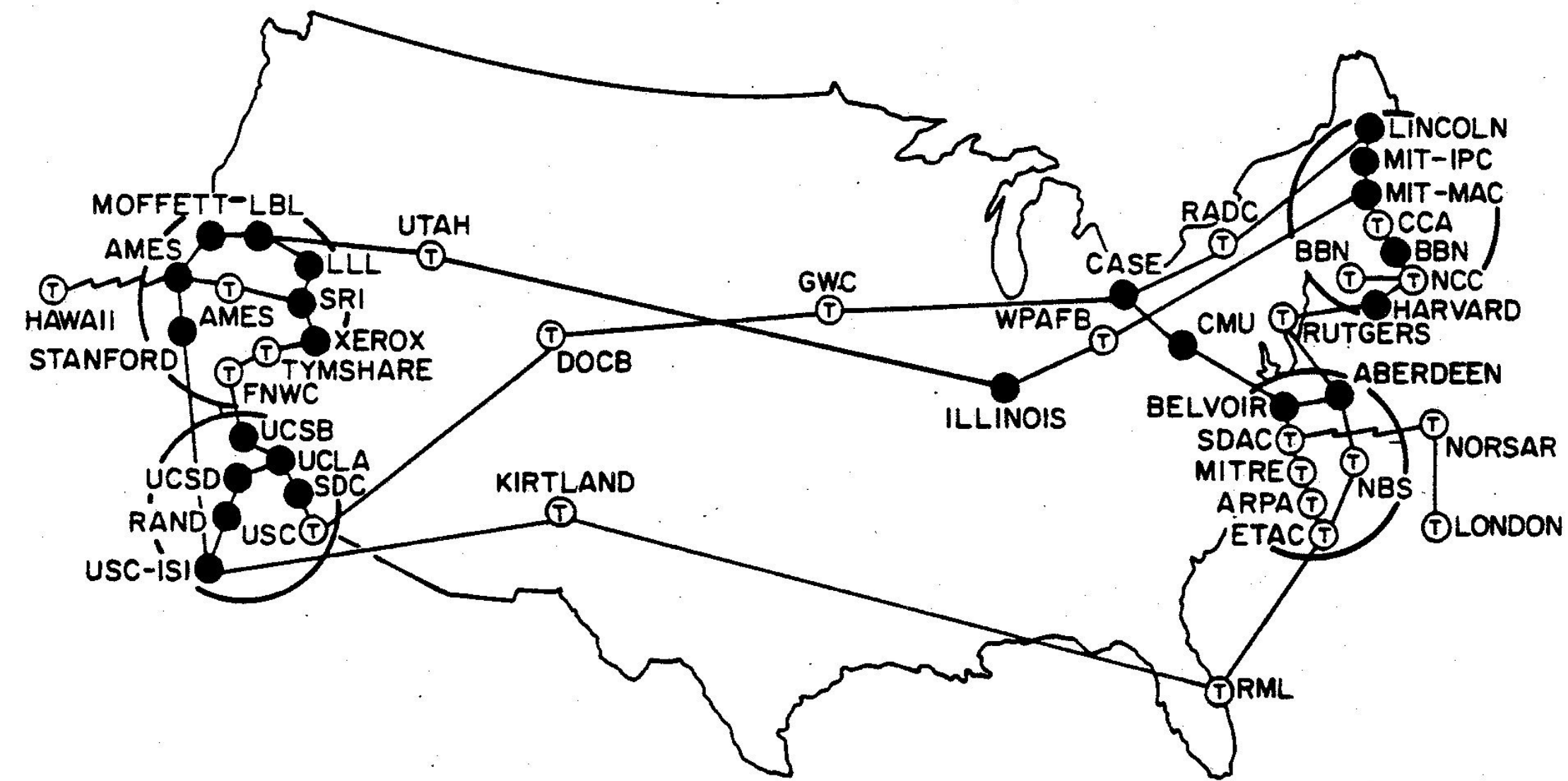
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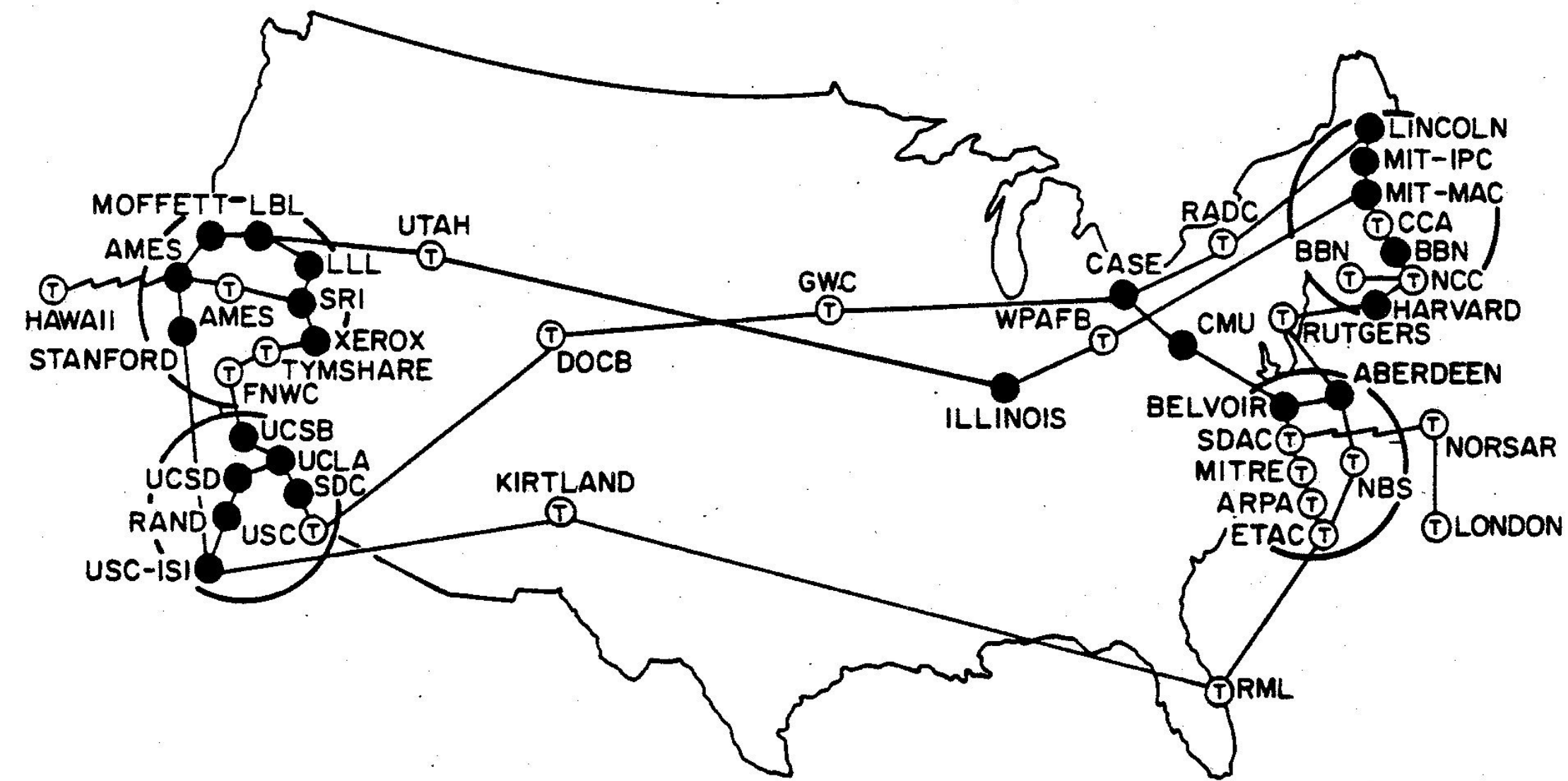
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arpanet



internet



**internet
+
hypertext**

World Wide Web

CERN DD/OC

Tim Berners-Lee, CERN/DD

Information Management: A Proposal

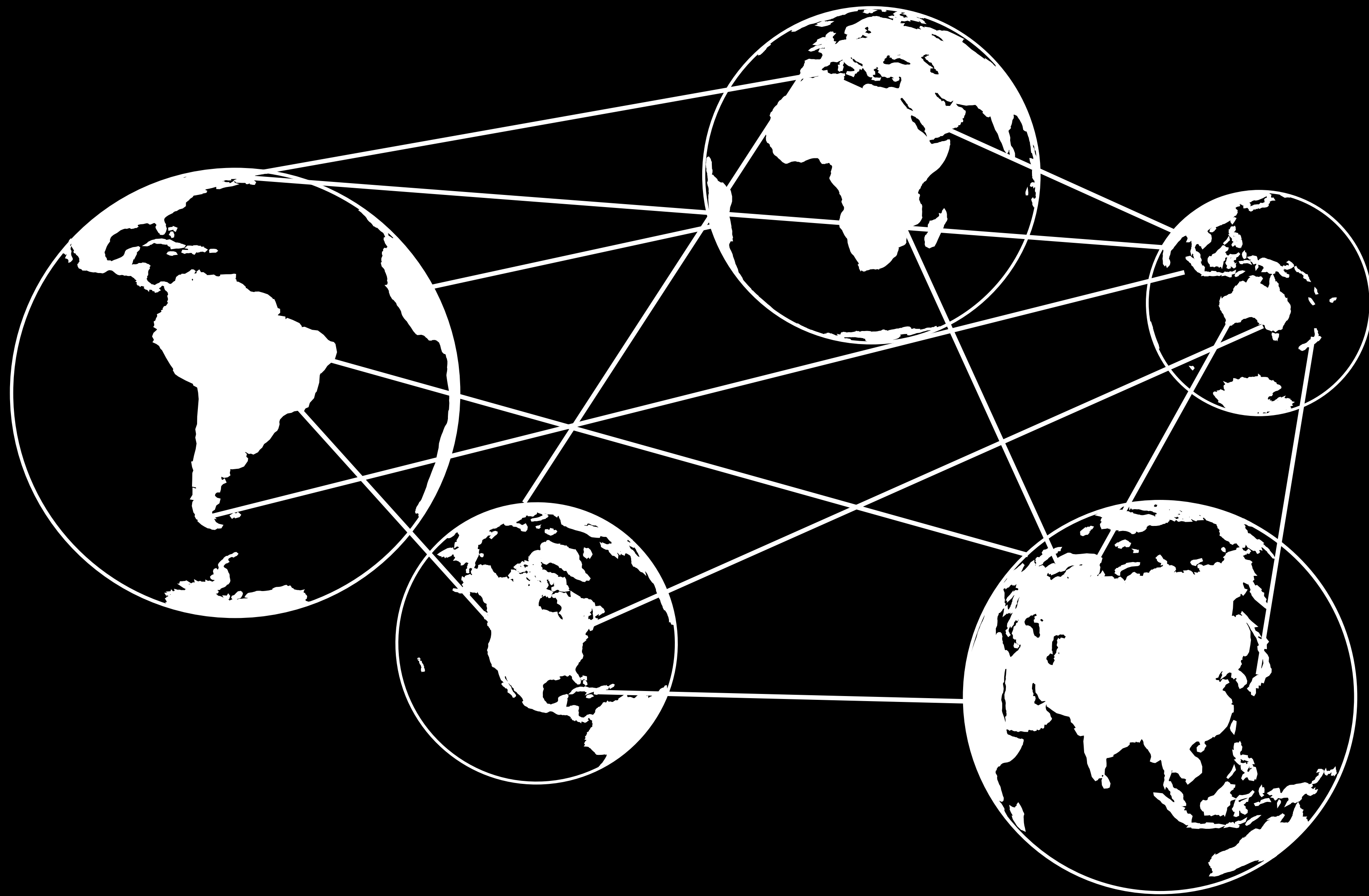
March 1989

Information Management: A Proposal

Abstract

This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext system.

Keywords: Hypertext, Computer conferencing, Document retrieval, Information management, Project



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#CFF00 rgb(204, 255, 0)	#CCCC00 rgb(204, 204, 0)	#CC9900 rgb(204, 153, 0)	#CC6600 rgb(204, 102, 0)	#CC3300 rgb(204, 51, 0)	#CC0000 rgb(204, 0, 0)	#660000 rgb(102, 0, 0)	#663300 rgb(102, 51, 0)	#666600 rgb(102, 102, 0)	#669900 rgb(102, 153, 0)	#66CC00 rgb(102, 204, 0)	#66FF00 rgb(102, 255, 0)	#00FF00 rgb(0, 255, 0)	#00CC00 rgb(0, 204, 0)	#009900 rgb(0, 153, 0)	#006600 rgb(0, 102, 0)	#003300 rgb(0, 51, 0)	#000000 rgb(0, 0, 0)
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hsl(270,50%,40%)

hsla(270,50%,40%,1)

hwb()

hwb() lab()

hwb() lab() lch()

color()

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The World Wide Web project

World Wide Web

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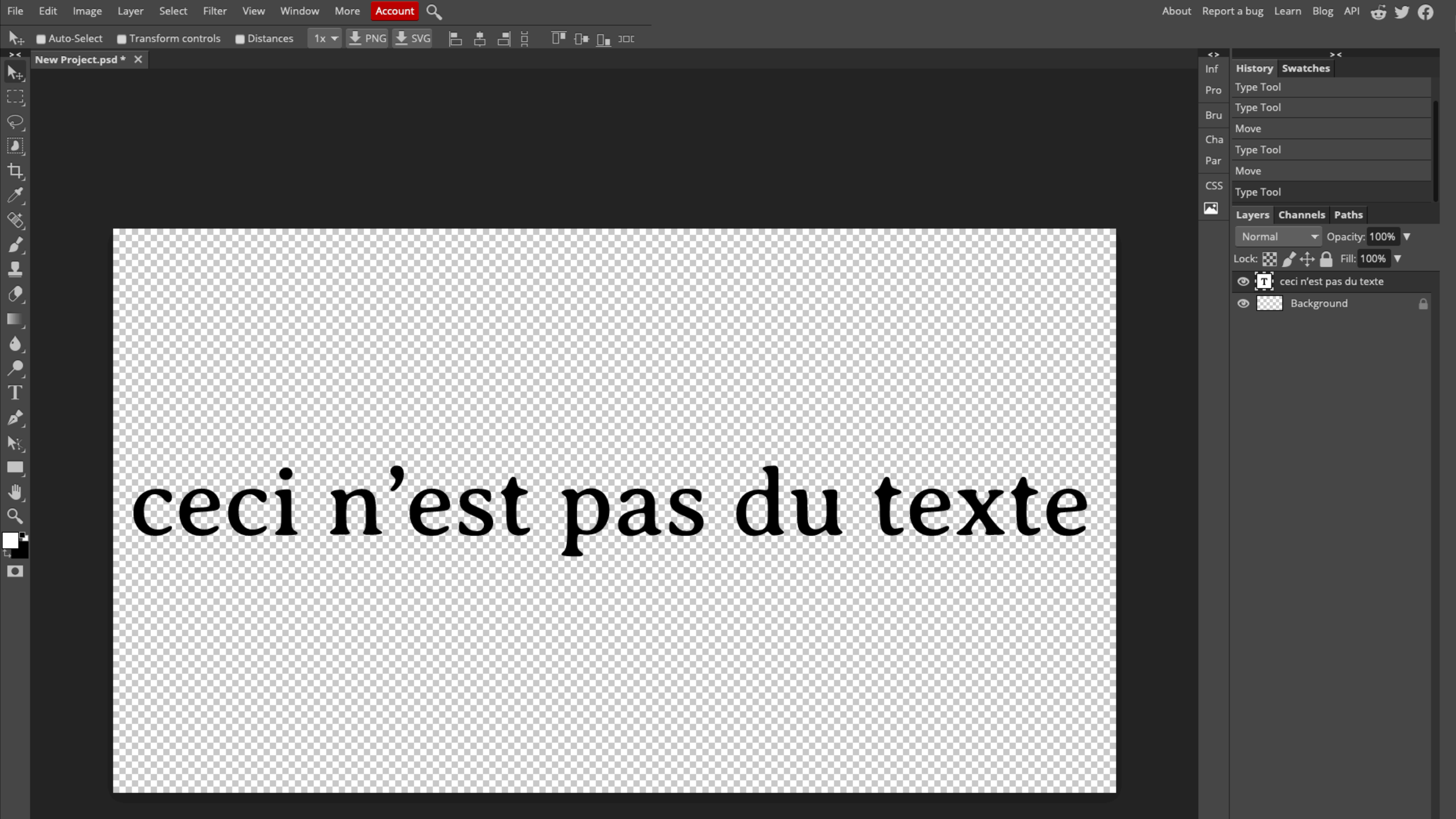
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serif

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text-indent: -1000px;  
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sIFR

cufón



*“It is not done well but
you are surprised to
find it done at all.”*



EOT

WOFF

WOFF2





light

regular *italic*

bold

extra bold

The Times Center



a a a a **a**

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a a a a **a**



variable **fonts**

100 Thin

200 Extra Light

300 Light

400 Normal

500 Medium

600 Semi Bold

700 Bold

800 Extra Bold

900 Ultra Bold

“One of the reasons we chose to use three-digit numbers was to support intermediate values in the future.”

—Håkon Wium Lee

“And the future is now :)”

—Håkon Wium Lee


```
font-family: your-choice;  
font-weight: 467;
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GIF

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Flash

SVG

2001

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WebP

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<video

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</video>

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Music

Samples

Here are the seven songs recorded on the BEAM demo tape, in Realaudio format.

If you don't have a Realaudio player, you can [download](#) it for free.

- [Wooden Beams](#)
- [Wide](#)
- [Knots](#)
- [We Are David](#)
- [Tonight](#)
- [Endless](#)
- [Homeless](#)

lunar ride > musik

FREE realplayer real G2

Session September 2000

Alle Songs von: Lunar Ride (Musik), Dirk Vollmer (Texte) außer "New year's day" von U2 ©1983 Blue Mountain Music Ltd.

1. Psycho

2. Friend

3. Marian

4. **Don't tap on me**

5. **Started anew today**

6. Speak to me

7. **New year's day**

uneven.

"uneven." enthält fünf Demos, aufgenommen in zwei Tagen im Dezember 1998.

Aufgenommen von Claudius Frey und Wolfgang Baer, abgemischt von Claudius frey im Take One Studio, Freiburg.

Alle Songs von: Lunar Ride (Musik), Dirk Vollmer (Texte), veröffentlicht 1999.

1. **Gone To Heaven** geschrieben 1994.

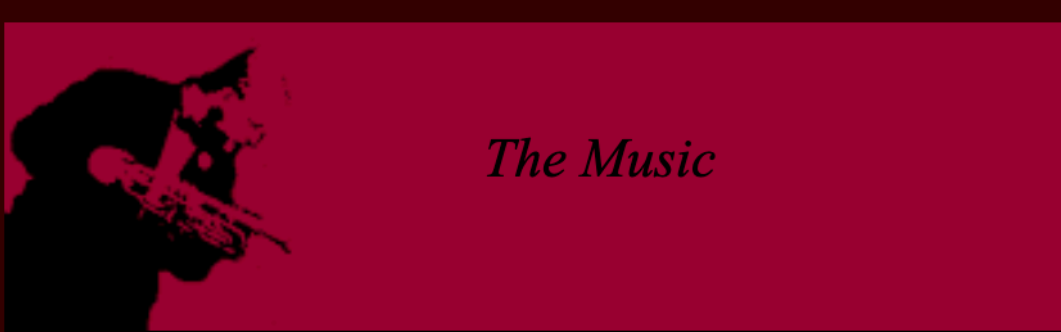
2. **Another Day** geschrieben 1998.

3. **Allein** geschrieben 1996.

4. **The King Can Do No Wrong** geschrieben 1998.

5. **Moon No. 18** geschrieben 1996.

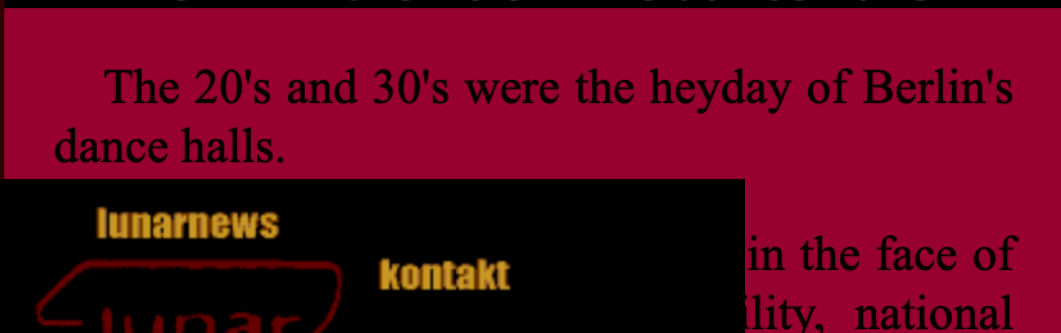
Vielen Dank An: Adrian, **Hansi**, **Jeremy & Jessica**, Michael, Stefan und die ganze Take One Crew.



The Music

Berlin in the 20's - The dance halls

The 20's and 30's were the heyday of Berlin's dance halls.



The Music

in the face of illity, national d to be little

ty theaters, ung up like of Berlin's

– you have to

e Band



Frackwürdige Herren Eintänzer Gesucht

The Albums



Frackwürdige Herren, 1998



Eintänzer Gesucht, 1997

News Contact+Links

Flash



animation

vector graphics

video

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<u>Getting code</u>	Getting the code by <u>anonymous FTP</u> , etc.

font

centre

width

height

<table>

<img

src="spacer.gif">



CSS

float: left

640px

640px

800px

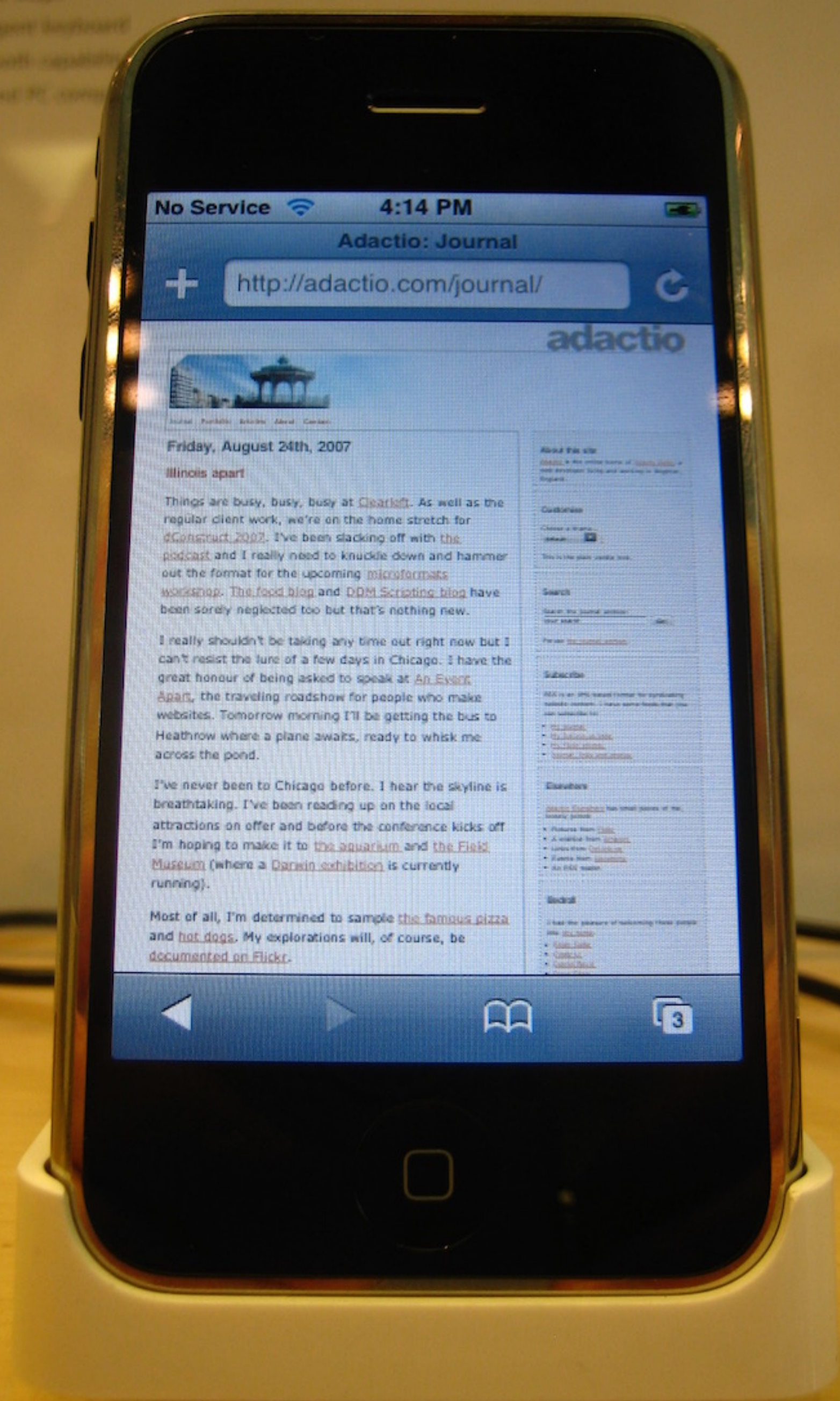
640px

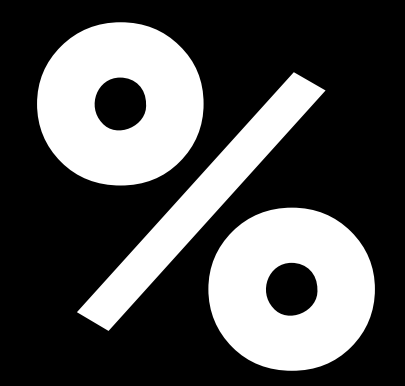
800px

960px

Widescreen (flat with camera lens)
Back, Home, and
Safari web browser
Google Maps
Intelligent keyboard
Bluetooth capability
iPod and PC sync

\$599





640px

800px

960px

%

@media all and (...)

@media

%

responsive

responsive

flexbox

grid

animation

video **flexbox** **SVG**
grid

web fonts

OLD MAN YELLS AT

BROWSERS



Old man yells at
browsers

Old man yells at
browsers

Old man yells at
browsers

HTML5

WorldWideWeb	
Info	▷
Navigate	▷
Document	▷
Edit	▷
Links	▷
Style	▷
Print	p
Page Layout	
Windows	
Services	
Hide	h
Quit	q

The World Wide Web project

World Wide Web

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“The problem is that of programming language. You need something really powerful, but at the same time ubiquitous. Remember a facet of the web is universal readership. There is no universal interpreted programming language.”

—Tim Berners-Lee

HOW STANDARDS PROLIFERATE:

(SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC.)

SITUATION:
THERE ARE
14 COMPETING
STANDARDS.

14?! RIDICULOUS!
WE NEED TO DEVELOP
ONE UNIVERSAL STANDARD
THAT COVERS EVERYONE'S
USE CASES.



SOON:

SITUATION:
THERE ARE
15 COMPETING
STANDARDS.

LiveScript

JavaScript

DHTML


```
document.layers()
```

```
document.all()
```



DOM

```
document.getElementById( )
```

```
document.getElementsByTagName( )
```



```
#id { ... }
```

```
element { ... }
```

`$ ( '#id' )`

`$ ( 'element' )`


```
document.querySelector()
```

```
document.querySelectorAll()
```




Sass

polyfills



Polycell®



ADVANCED

Polyfilla

OUR
BEST
POLYFILLA

FOR SMALL & DEEP REPAIRS

- High performance lightweight formula
- Fills holes up to 50mm in one application
- Will not shrink or sag
- Smooth, no sanding finish
- Quick drying

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AkzoNobel

APIs

native apps

geolocation

input type="image"

web notifications

service workers



“By the end of the year, I would predict that any major native mobile application could be instead built using native web capabilities/APIs.”

—Ire Aderinokun

hex

floats

system fonts

rgba **ajax** **svg**
flexbox **web fonts**
hex **floats** **system fonts**
hsla **grid** **variable fonts**
media queries

service workers houdini
geolocation
svg
ajax
rgba flexbox web fonts
hex floats system fonts
hsla grid variable fonts
media queries
notifications device APIs
web components

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We can learn from our failures.

ZEYNEP TUFEKCI

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Murderers Should Be Called

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A REPORTER AT LARGE

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Will peace talks with the Taliban and the prospect of an American withdrawal

BY E. ALEX JUNG

1

11

1

11

1

1

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1

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the prospect of an American withdrawal

Will peace talks with the Taliban and

AFGHANISTAN

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Oscar Futures

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BY E. ALEX JUNG

Nomadland and *Borat*

BY E. ALEX JUNG

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By German Lopez

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THE NEW YORKER

Go inside the secret “reeducation

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LAST EXIT FROM AFGHANISTAN

Will peace talks with the Taliban and the prospect of an American withdrawal

the prospect of an American withdrawal

Will peace talks with the Taliban and

AFGHANISTAN

BY E. ALEX JUNG

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advertising

**behavioural
advertising**

**contextual
advertising**

**behavioural
advertising**

tracking

WorldWideWeb	
Info	▷
Navigate	▷
Document	▷
Edit	▷
Links	▷
Style	▷
Print	p
Page Layout	
Windows	
Services	
Hide	h
Quit	q

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stateless

cookies

JavaScript

third-party

cookies

JavaScript

stateful

**tracking
blockers**

**advertising
blockers**

websites

websites

web apps

single page apps

rendering

routing

responding

complexity

<select>

<input type="date">

<button>

software

dependencies

expectations

expectations

expectations

intentions

verschlimmbessern

user needs

“Stop solving problems you don’t yet have.”

—Rachel Andrew

polyfills

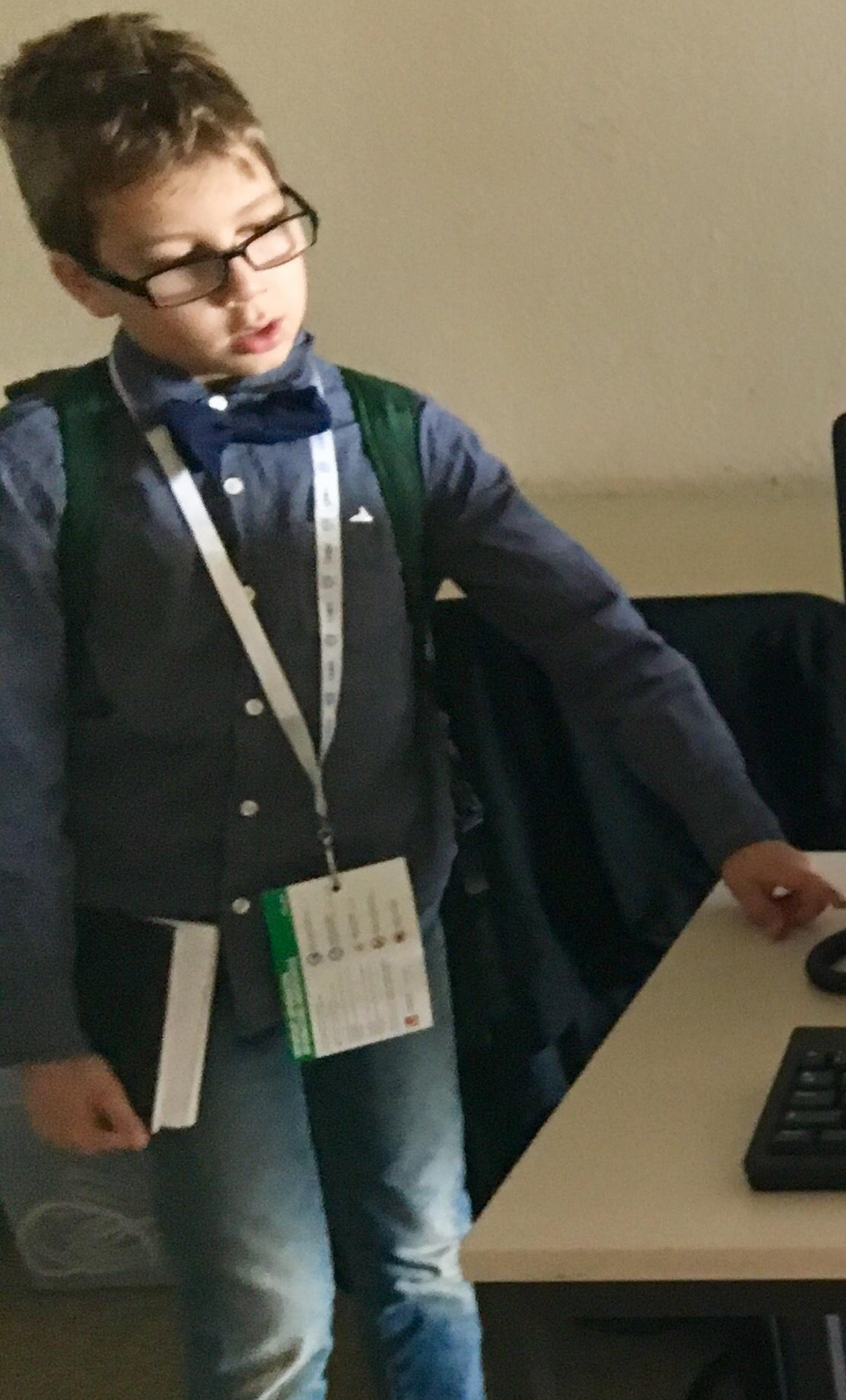
developer convenience

user needs

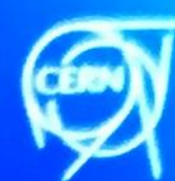
developer convenience

expectations





Web@
30
1989 2019



W3C



WORLD WIDE WEB
FOUNDATION

This media is a work
to art. POWER.
IT'S NOW!!

1989 - 2019



CERN

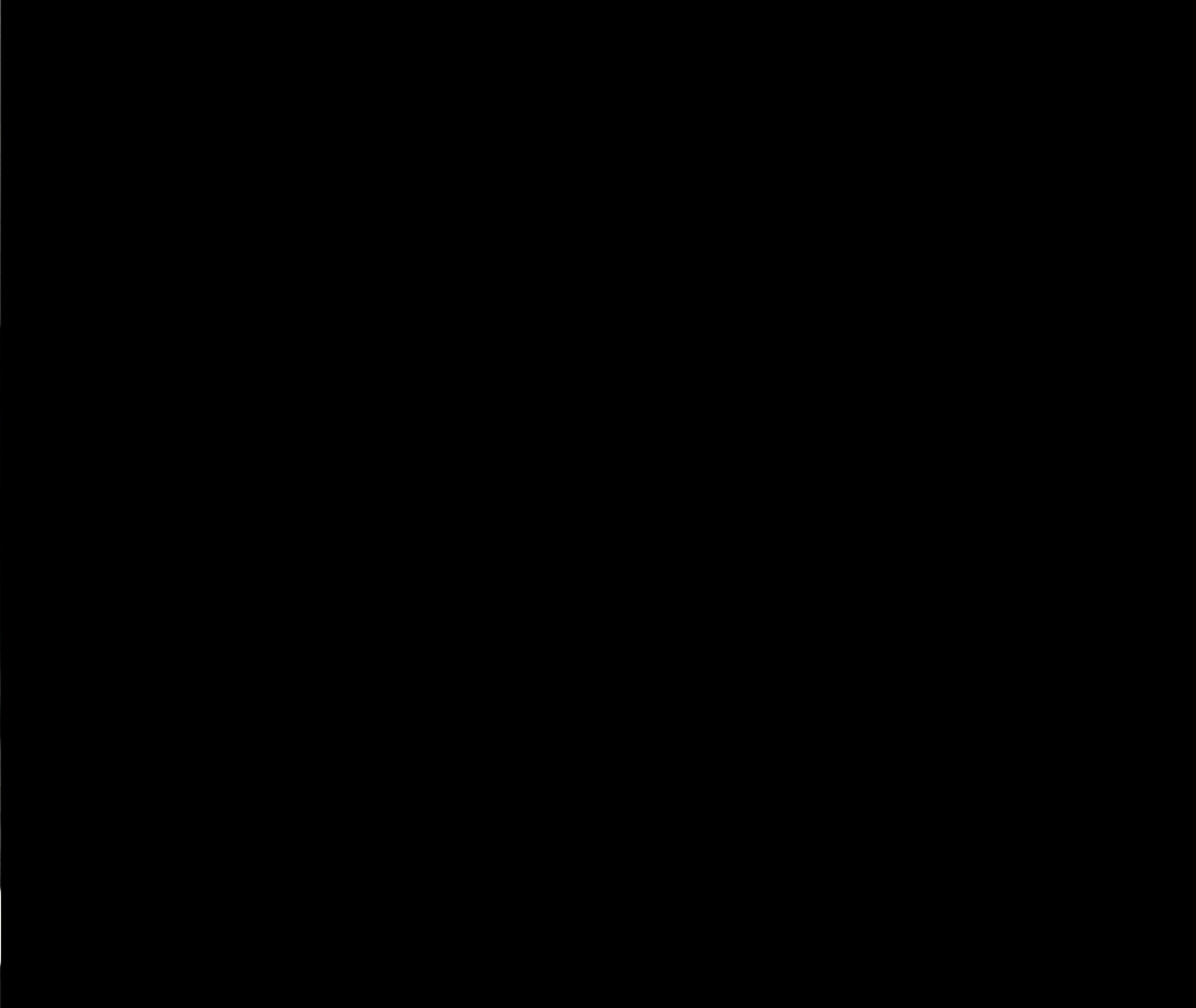


“If you have something wonderful, if you do not defend it, you will lose it.”

—Zeynep Tüfekçi

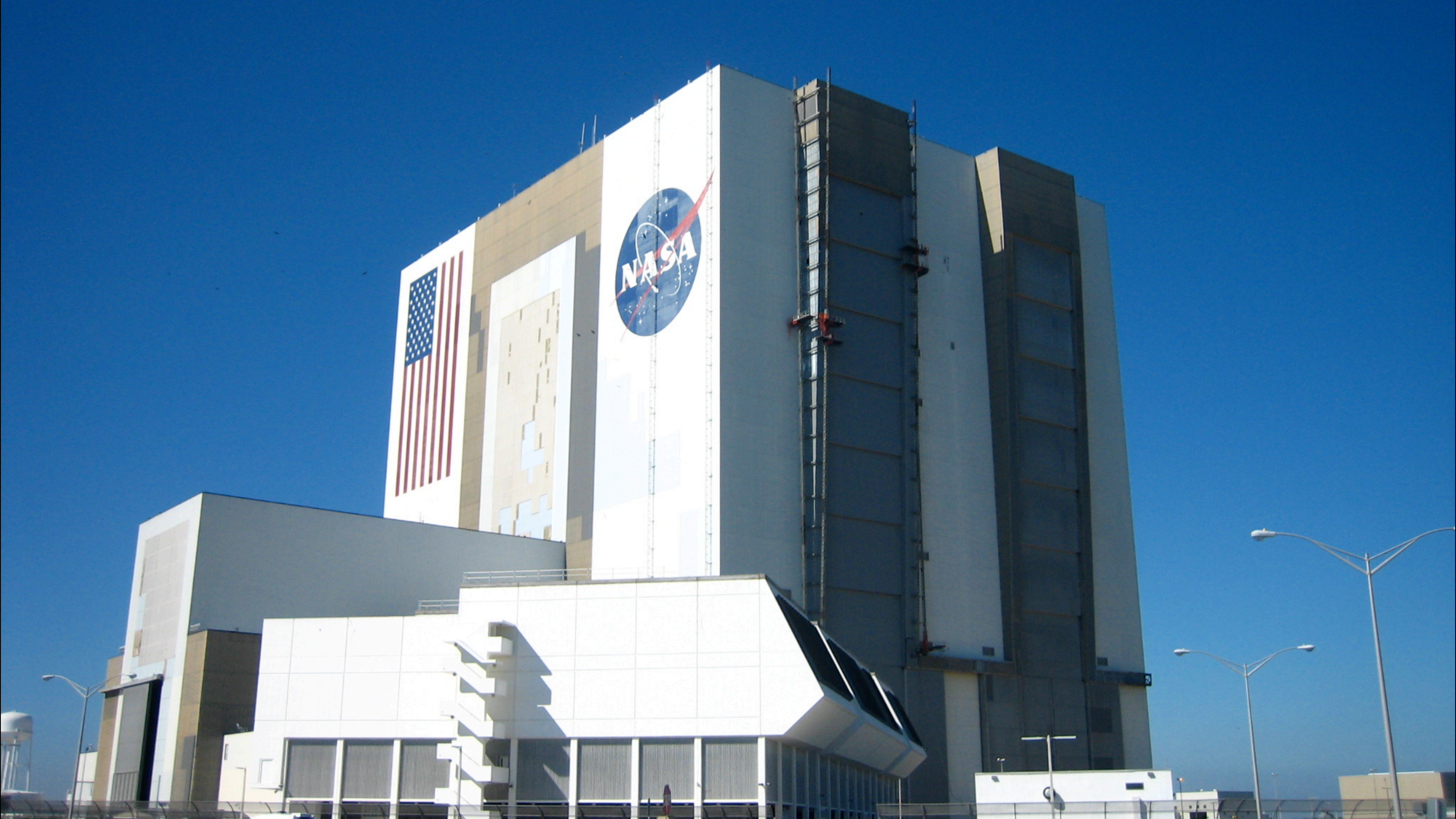
*you have something wonderful,
defend it*





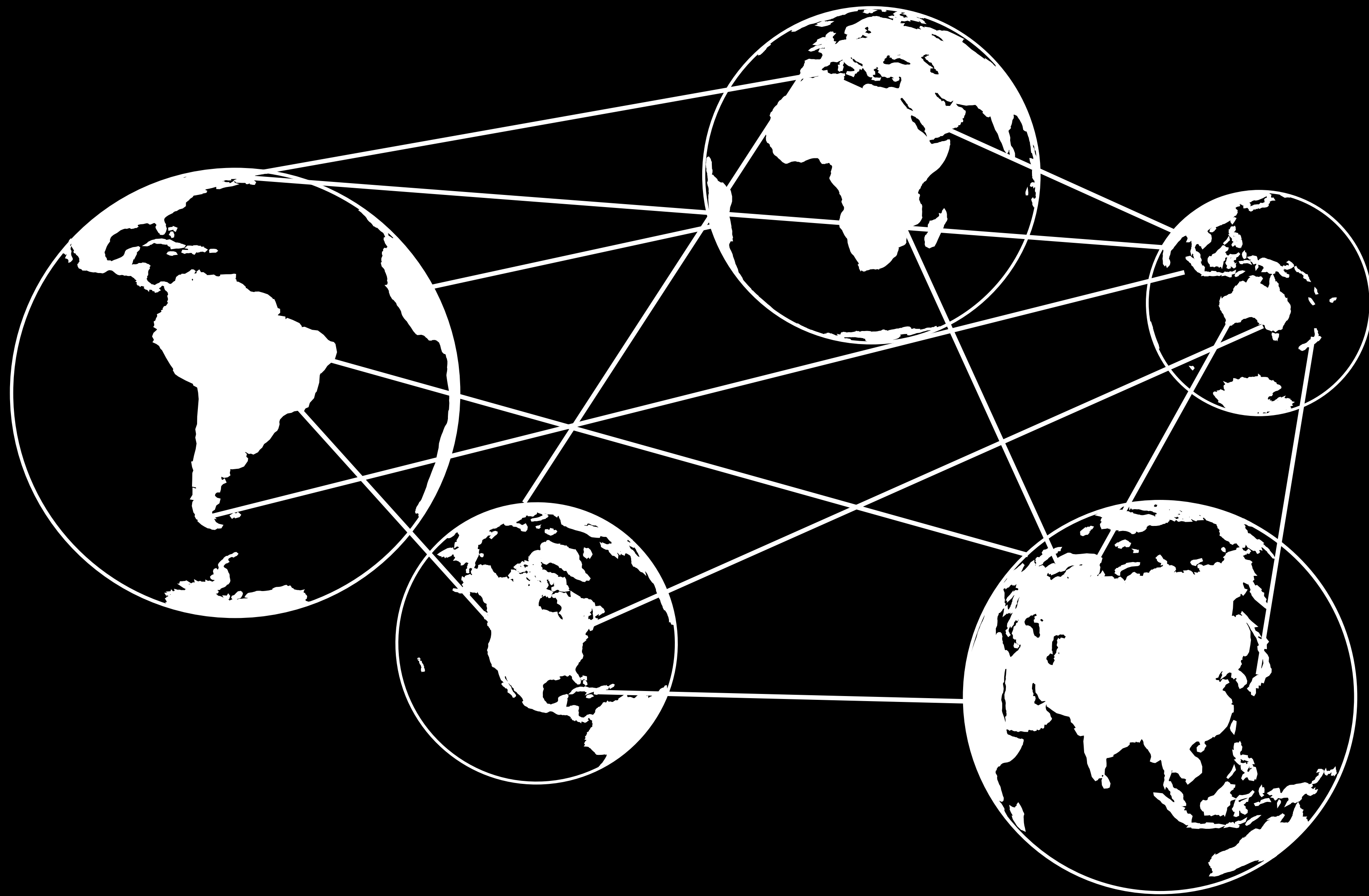






“I’m helping put a man on the moon.”





thank you