



Paul Verbeek
Device Advice
@hierow

WE ALL TEST OUR WEBSITES AND APPS
AS GOOD AND THOROUGHLY AS POSSIBLE
ON AS MANY DEVICES

WANT TO



WE ALL TEST OUR WEBSITES AND APPS
AS GOOD AND THOROUGHLY AS POSSIBLE
ON AS MANY DEVICES

WANT TO

WANT TO

WE ALL TEST OUR WEBSITES AND APPS
AS GOOD AND THOROUGHLY AS POSSIBLE
ON AS MANY DEVICES

DON'T WASTE YOUR TALENT

IGNORANT

IGNORANT
OVERCONFIDENT

IGNORANT
OVERCONFIDENT
BORED

A SHORT HISTORY OF THE (MOBILE) INTERNET

VERY



A SHORT HISTORY OF THE (MOBILE) INTERNET

VERY



A SHORT HISTORY OF THE (MOBILE) INTERNET

*(ACCORDING TO WIKIPEDIA AND SOME
OF MY BETTER GUESSWORK)*

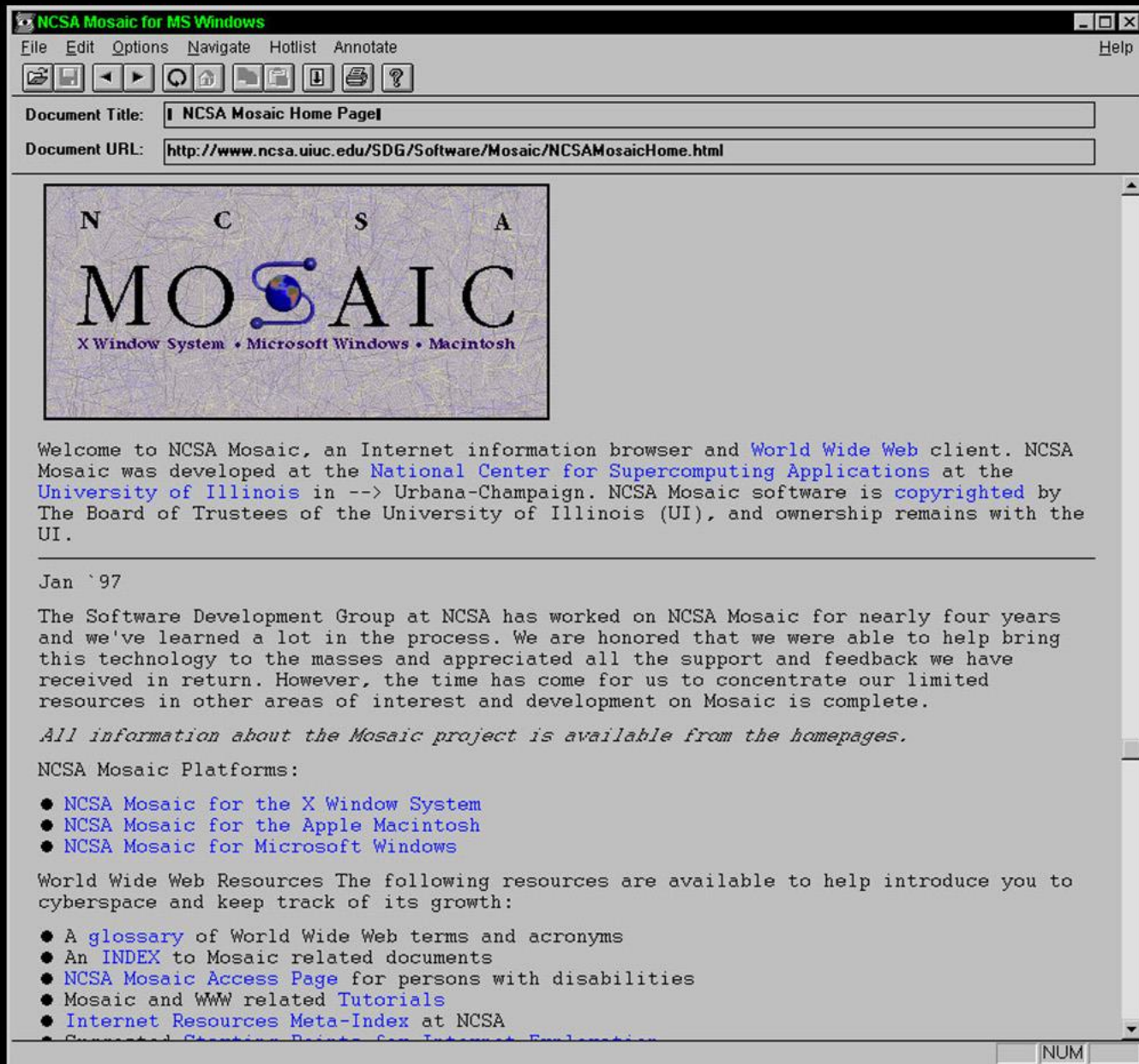
THE AUTUMN OF '69



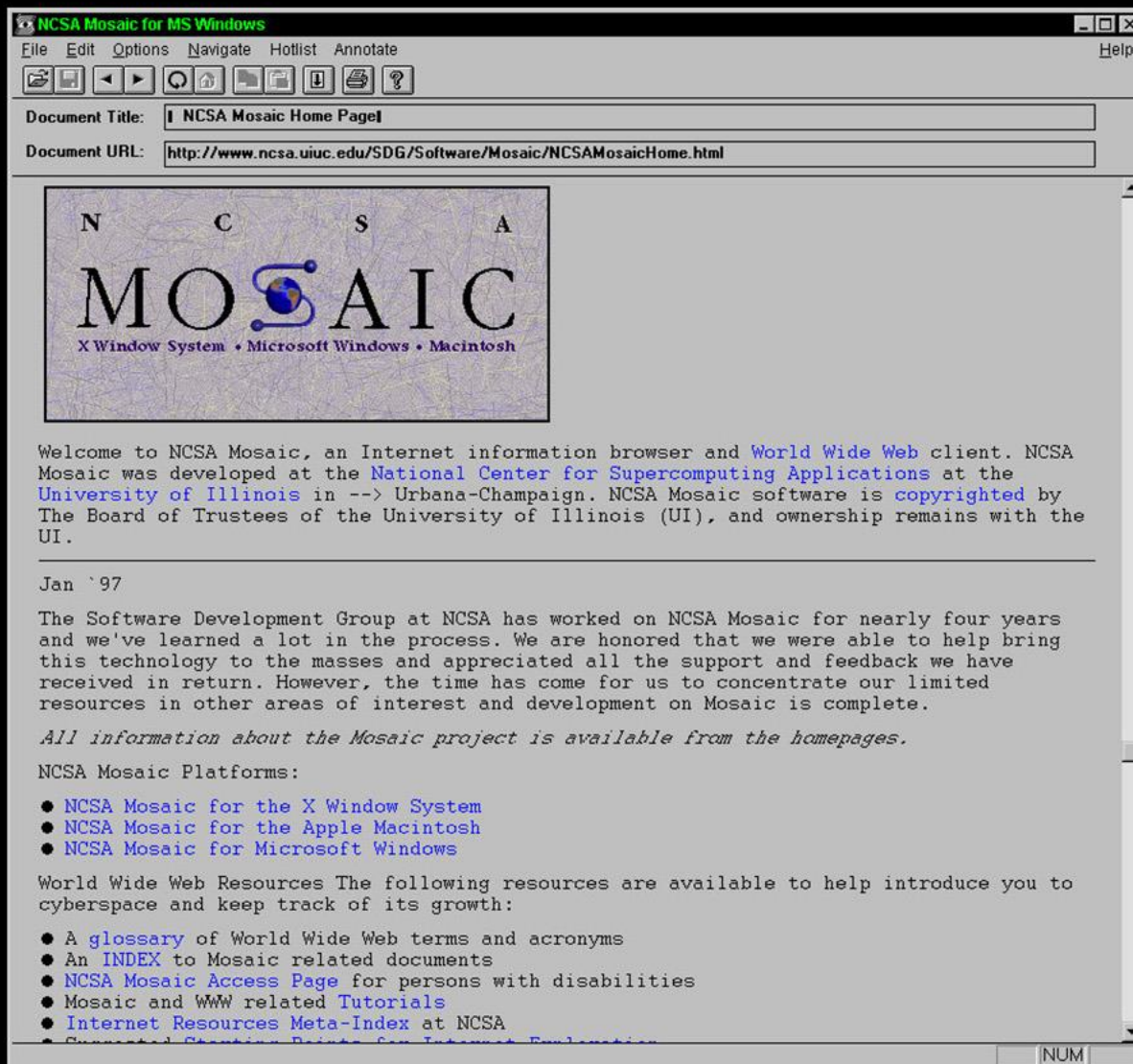
1990 / 1991 / 1992



1993

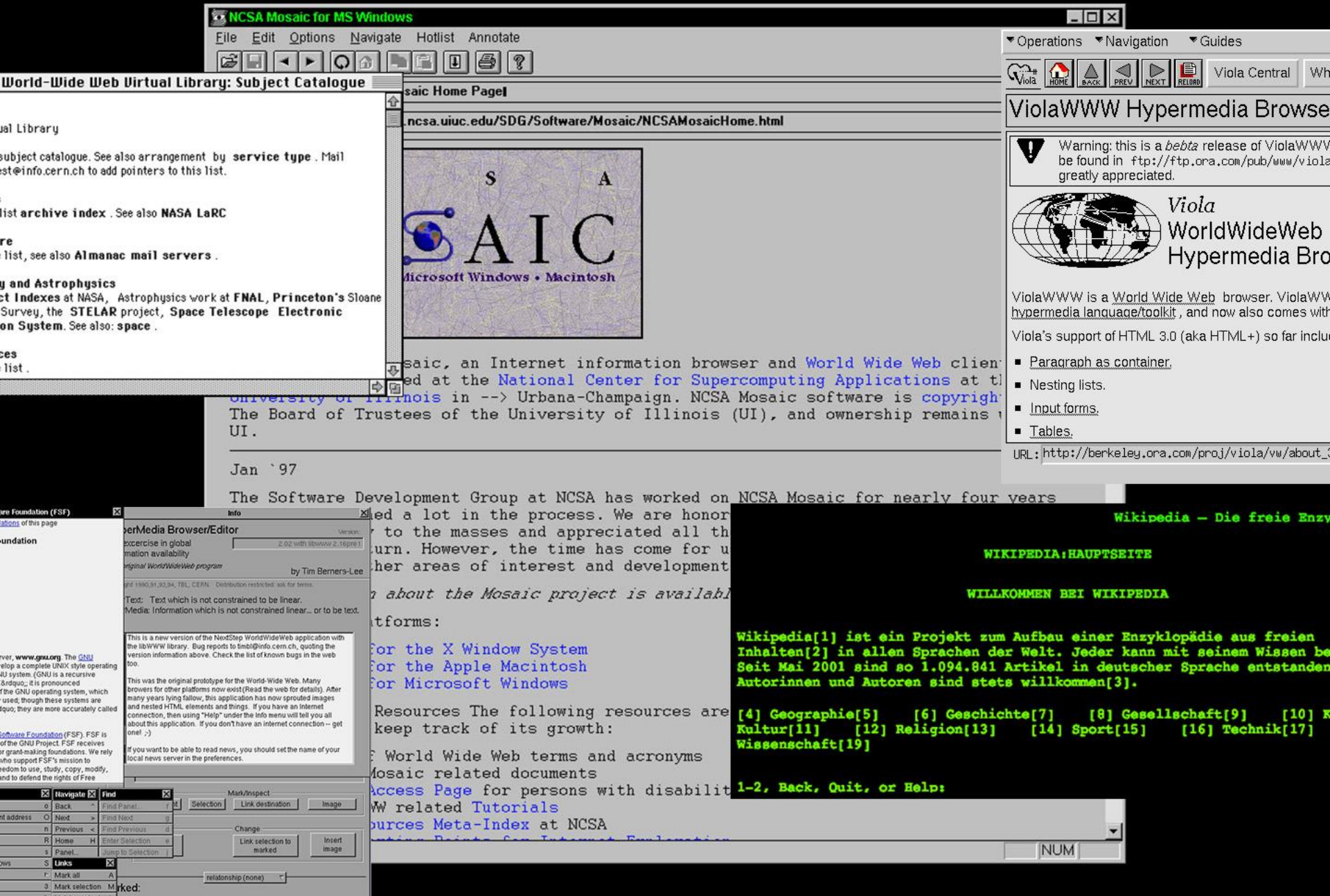


1993

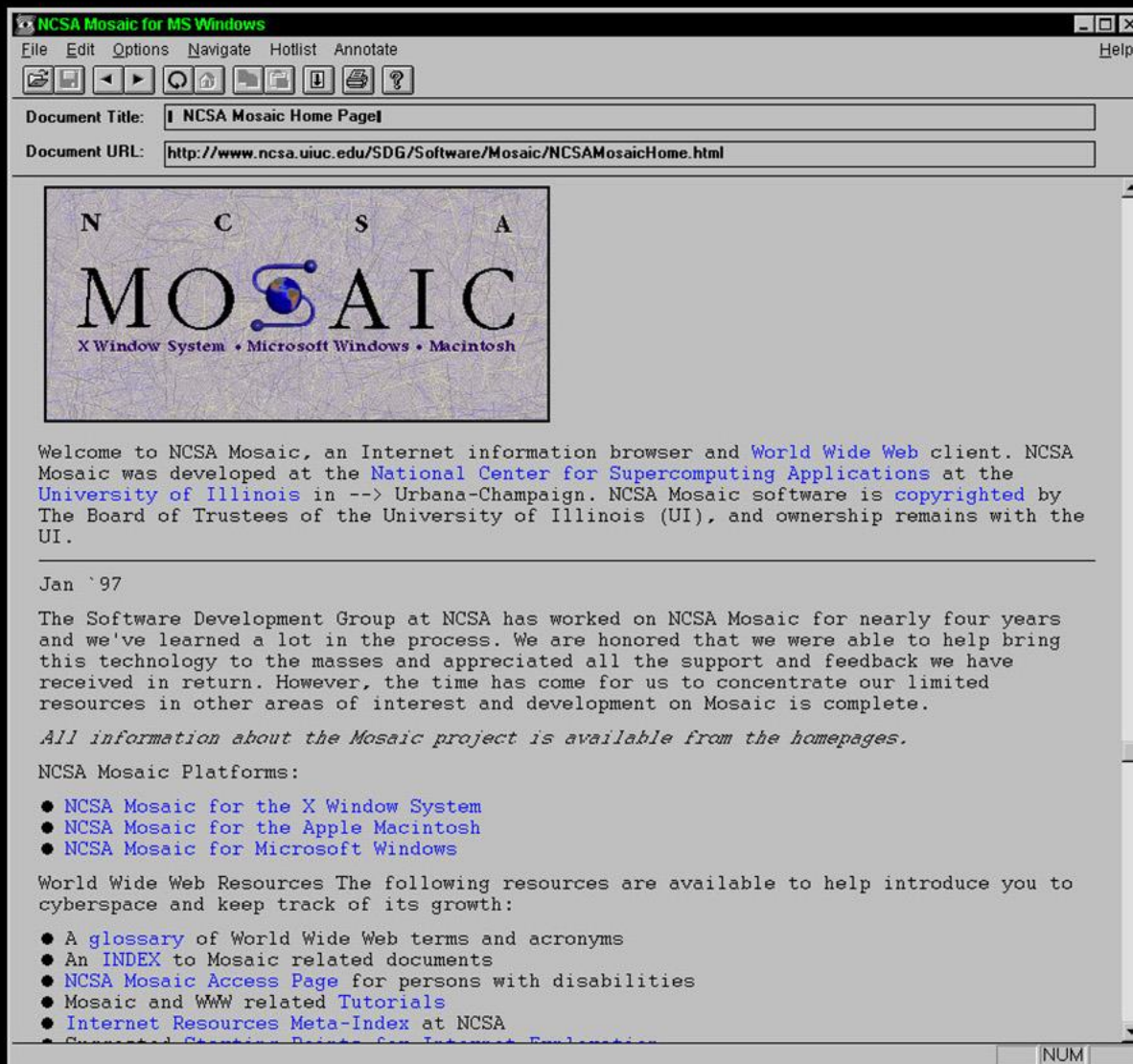


ONLY ONE
BROWSER
TO TEST!

1993



1993

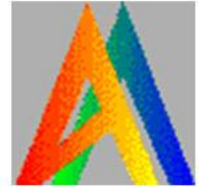


ONLY ONE
BROWSER
~~TO TEST!~~
TO CARE
ABOUT!

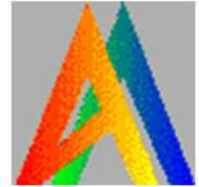
1993



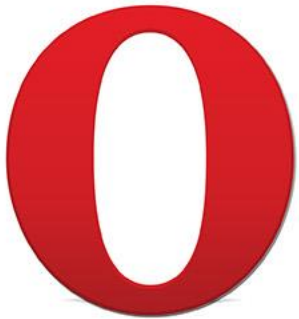
1994



1995



1996



1997



1998



1999



2000



2001



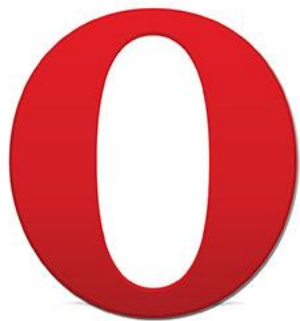
2002



2003



2004



2005



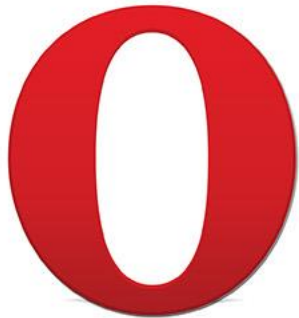
2006



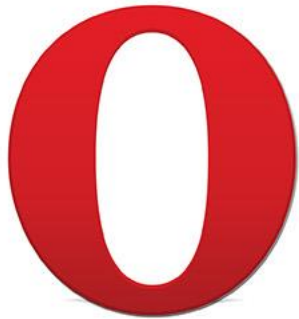
2007



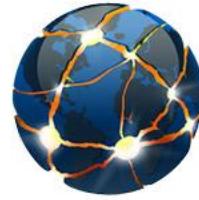
2008



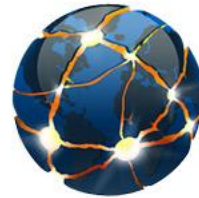
2009



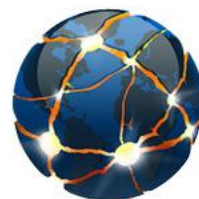
2010



2011



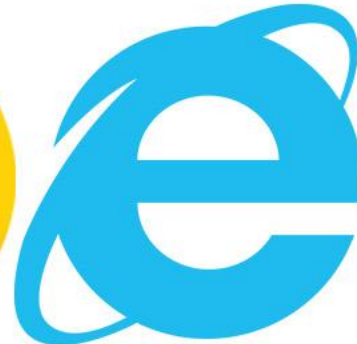
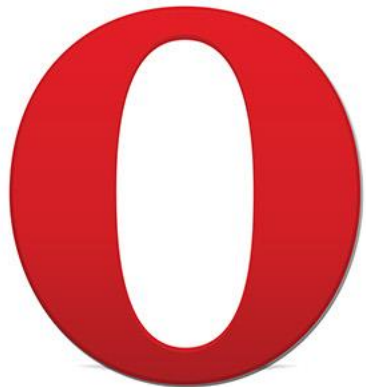
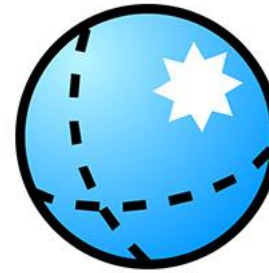
2012



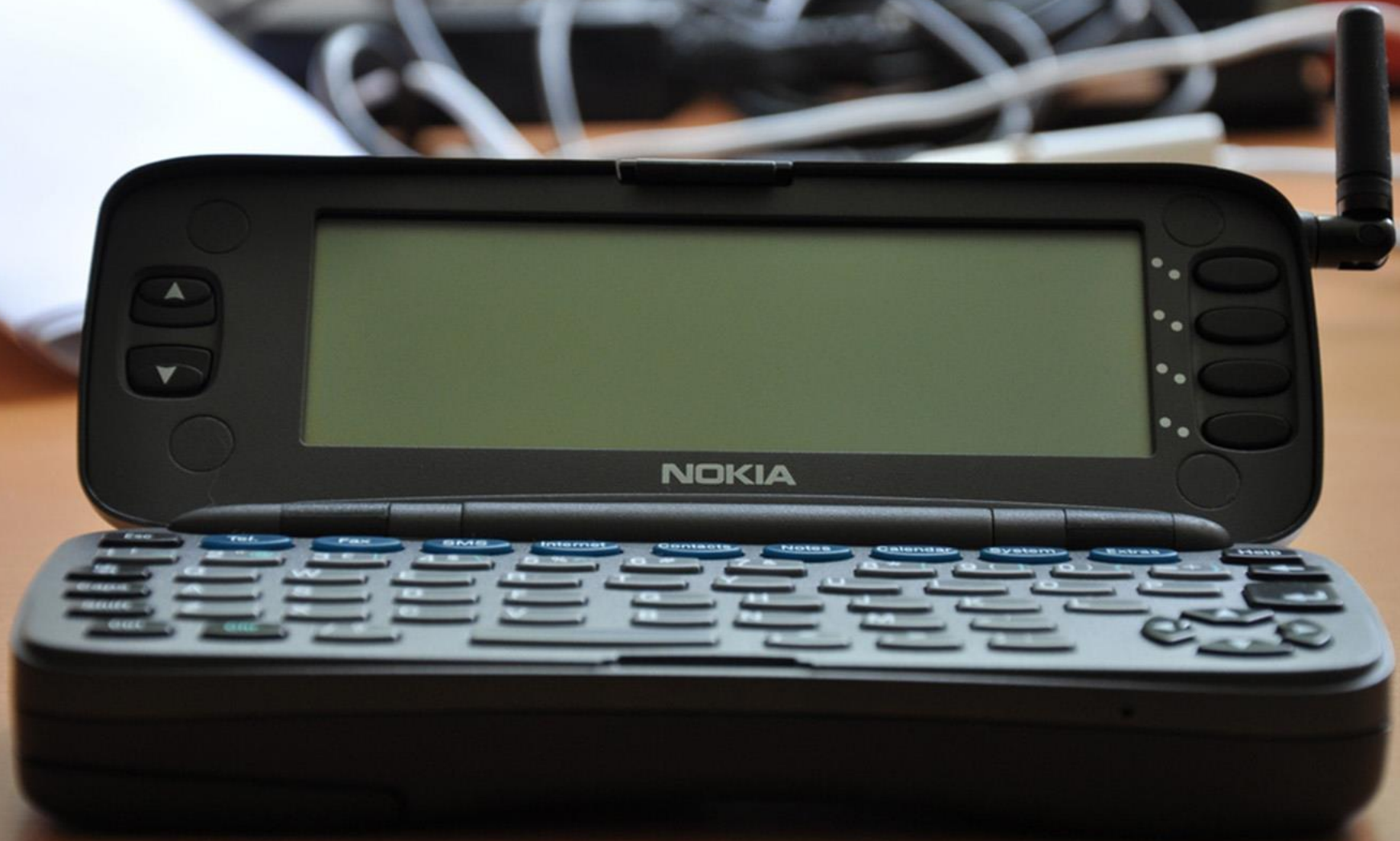
2013



2014



1996











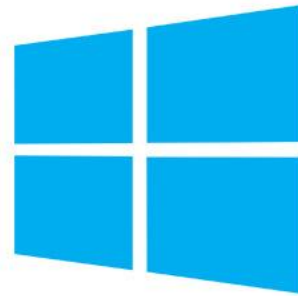
YOU CARE ABOUT QUALITY

VOICE YOUR OPINION

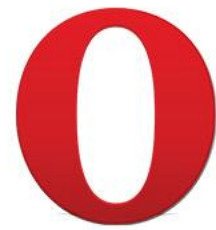
REMEMBER WHO COMES FIRST











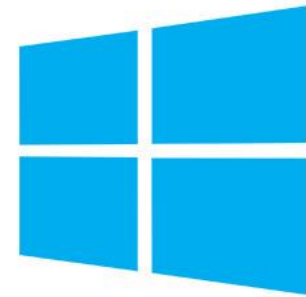
2.X

4.X







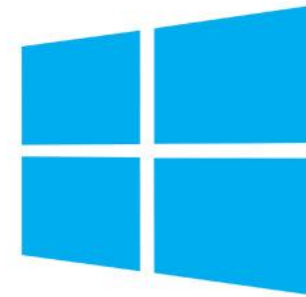


NOKIA



htc





SONY



SAMSUNG

htc

NOKIA



htc

SAMSUNG



SONY



SAMSUNG



htc



SONY



SAMSUNG



htc



SONY



SAMSUNG



htc



NOKIA



SAMSUNG

htc



ios

ios

ios







1. MAKE A LIST OF DEVICES


2. FIND AN EASY STARTING POINT


3. EMULATE DEVICES

 Android ▾ Motorola Razr ▴ Mobile Tablet

Samsung Galaxy S 480x800  2.2


Samsung Galaxy S II 480x800  2.3


Samsung Galaxy S III 720x1280  4.1


Samsung Galaxy Note 800x1280  2.3


Samsung Galaxy Note II 720x1280  4.1


Samsung Galaxy Nexus 720x1280  4.0


Motorola Droid Razr 540x960  2.3


Motorola Droid 4 540x960  2.3


Motorola Photon 4G 540x960  2.3


Motorola Atrix HD 720x1280  4.0


Motorola Razr 540x960  4.0


Motorola Razr Maxx HD 720x1280  4.1


HTC Hero 320x480  1.5


HTC Wildfire 240x320  2.2


HTC Evo 3D 540x960  4.0

HTC One X 720x1280  4.0

Sony Xperia X10 480x854  1.6

Sony Xperia Tipo 320x480  4.0

LG Optimus 3D 480x800  2.2

LG Nexus 4 768x1280  4.2

Amazon Kindle Fire 2 600x1024  4.0

Amazon Kindle Fire HD 8.9 1200x1920  4.0

Google Nexus 7 1280x800  4.1

Samsung Galaxy Note 10.1 800x1280  4.0

Samsung Galaxy Tab 2 10.1 1280x800  4.0

URL

Start testing

or

Command line

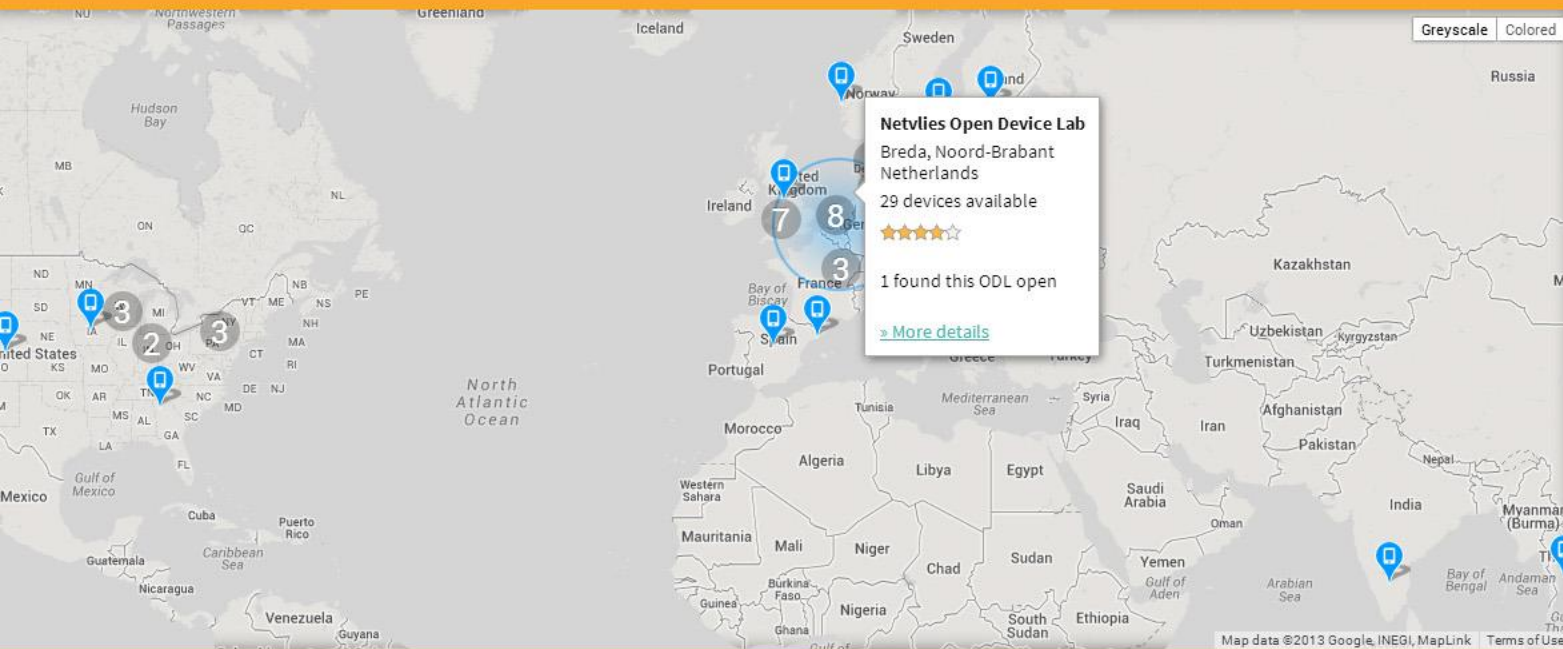
4. TEST ON REAL DEVICES



device-lab



OPENDVICELAB.COM



Find the right Open Device Lab and location:

Specify another location here

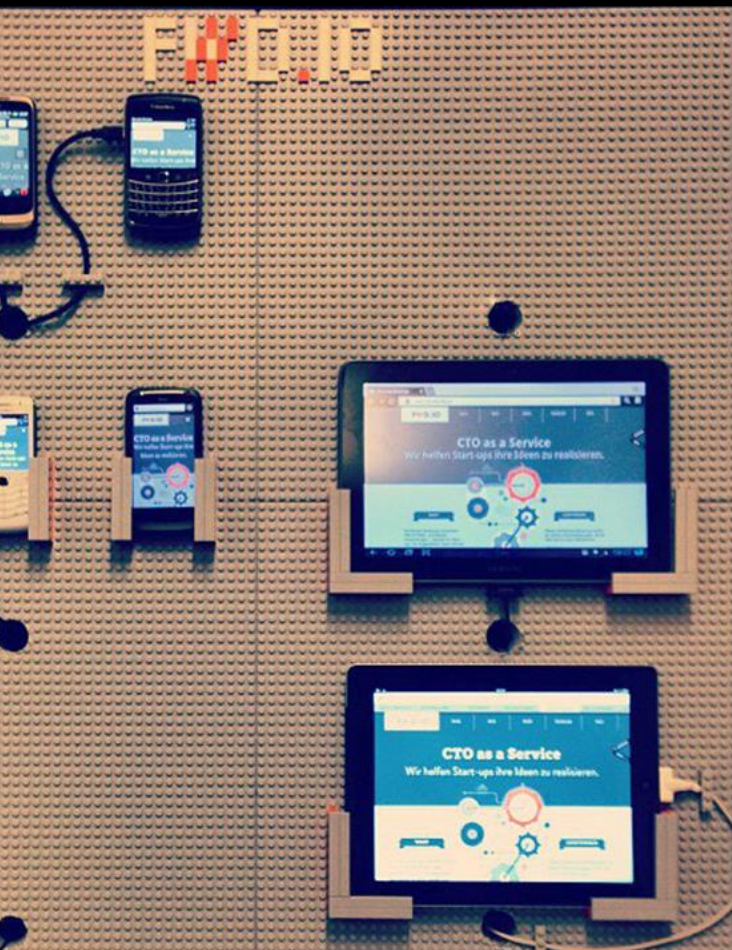
Filter by manufacturers

Acer	Advent	Ainol	Alcatel	Ar
Asus	Barnes & Noble	BlackBerry		
Dell	EasyPix	Ericsson	Fujitsu	
HP	HTC	Huawei	Intel	Kobo
Motorola	Nextbook	Nintendo		
Palm	Pandigital	Pantech	Pocke	
Samsung	Skype (BREW)	Sony	S	
Toshiba	Viewsonic	Viliv	Vizio	

ODL missing in our list? [Please let us know](#) on [Twitter](#) and [App.Net](#).

What is an „Open Device Lab“?

The fragmentation of operating systems and browsers as well as the diversity of internet-enabled devices makes it impossible for the vast majority of developers to personally own a representative pool of test devices. Nevertheless, **quality assurance across real devices is a must** to ensure a pleasant user experience, sufficient stability and security.





GHOSTLAB



EDGE INSPECT





IPHONE (IOS 7.X)



IPHONE (IOS 7.X)



ANDROID 4.X



IPHONE (IOS 7.X)



ANDROID 4.X



ANDROID 2.X



IPHONE (IOS 7.X)



ANDROID 4.X



ANDROID 2.X



FEATURE PHONE



IPHONE (IOS 7.X)



ANDROID 4.X



ANDROID 2.X



FEATURE PHONE



SMALL SCREEN



IPHONE (IOS 7.X)



ANDROID 4.X



ANDROID 2.X



FEATURE PHONE




SMALL SCREEN



IPAD (OR OTHER TABLET)

LabUp!





Phones available to you

» Change your local time: 26 May 18:41
 » List all phones (reset filter)

- Filter by tag -









Move your mouse on top of a phone, choose reservation length and click Start. A Java application will be downloaded to your computer for using the phone.

You can make about 8 hours worth of reservations today

















» Download dev cert for RDA devices (read more about it)

Available now

Windows Phone

 Nokia Lumia 820 354105050008225 BETA +358504858059 SW PR1.1.7	 Nokia Lumia 820 004402470873518 BETA +358504865622 SW PR1.1.7	 Nokia Lumia 820 004402470873179 BETA SW PR1.1.7	 Nokia Lumia 820 004402470873336 BETA +358447147471 SW PR1.1.7
 Nokia Lumia 820 354105050022424 BETA +358447147430 SW PR1.0	 Nokia Lumia 820 004402470873393 BETA SW PR1.1.7	 Nokia Lumia 820 004402470873443 BETA SW PR1.1.7	 Nokia Lumia 820 004402470873427 BETA SW PR1.1.7

Series 40

 Nokia 6260 Slide 351929030025865 +358504854053 SW 7.27	 Nokia 6260 Slide 351929030027499 +358504858172 SW 7.27	 Nokia 7230 004401107373314 +358504851919 SW 10.81	 Nokia Asha 300 358630040009849 +358504858506 SW 7.03
 Nokia Asha 300 358630040009765 +358504860136 SW 7.03	 Nokia Asha 300 358630040033716 +358504860137 SW 7.03	 Nokia Asha 300 358630040033831 +358504861117 SW 7.03	 Nokia Asha 300 358630040033989 +358504858541 SW 7.03
 Nokia Asha 303 351665055482587 +358504871698 SW 13.47	 Nokia Asha 311 359330040020685 +358447147444 SW 05.92	 Nokia Asha 311 355477058350969 +358504863681 SW 05.92	 Nokia Asha 311 359330040020701 +358447147422 SW 05.92
 Nokia Asha 311 355477058350985 +358504858453	 Nokia Asha 311 355477058348922 +358504871610	 Nokia Asha 311 359330040828855 +358504864234	 Nokia Asha 311 355477058350837 +358504850426

http://www.developer.nokia.com/Devices/Remote_device_access/

Device List

[RTL Help](#)

- RTL(Remote Test Lab) requires a Modern browser with JavaScript and a Java runtime environment (JRE v1.6 +).
- Configuration requirements:

Configuration check result: **Pass**

[Show Details](#)

Once your configuration is OK, Continue to select a device.

RTL(Remote Test Lab) allows users to install and test applications over the web.


Hot

Android

bada

MY RESERVATIONS

Galaxy Note II




-- OS Version --

-- Device List --

Reserve for 30 minutes

Start

Galaxy Note 10.1




-- OS Version --

-- Device List --

Reserve for 30 minutes

Start

Galaxy S III




-- OS Version --

-- Device List --

Reserve for 30 minutes

Start

Wave III




-- OS Version --

-- Device List --

Reserve for 30 minutes

Start

Galaxy S II




-- OS Version --

-- Device List --

Reserve for 30 minutes

Start

Galaxy Tab 10.1



-- OS Version --

-- Device List --

Reserve for 30 minutes

Start

<http://developer.samsung.com/remotetestlab>

keynote DeviceAnywhere® Free Help paul@webinthehat.com

Start Page

- Apple iPhone 4S
iPhone 6.0.1
- Apple iPhone 4S - Deutsch
iPhone 6.0.1
- Motorola Droid 2
Android 2.3.4
- Motorola Droid RAZR
Android 4.0.4
- Samsung Galaxy Nexus
Android 4.1.1
- Samsung Galaxy S II
Android 2.3.6
- Samsung Galaxy S III
Android 4.0.4
- Samsung Galaxy S III - Deutsch
Android 4.0.4
- Apple iPhone 5

09:52 left
Need more time? Sign up for a [Test Center Developer](#) trial

Release Device

Latency: ●●●●●●●●

Text Entry

Restart/Wake Up

Orientation


Hardware Control

View Screens

Video Quality

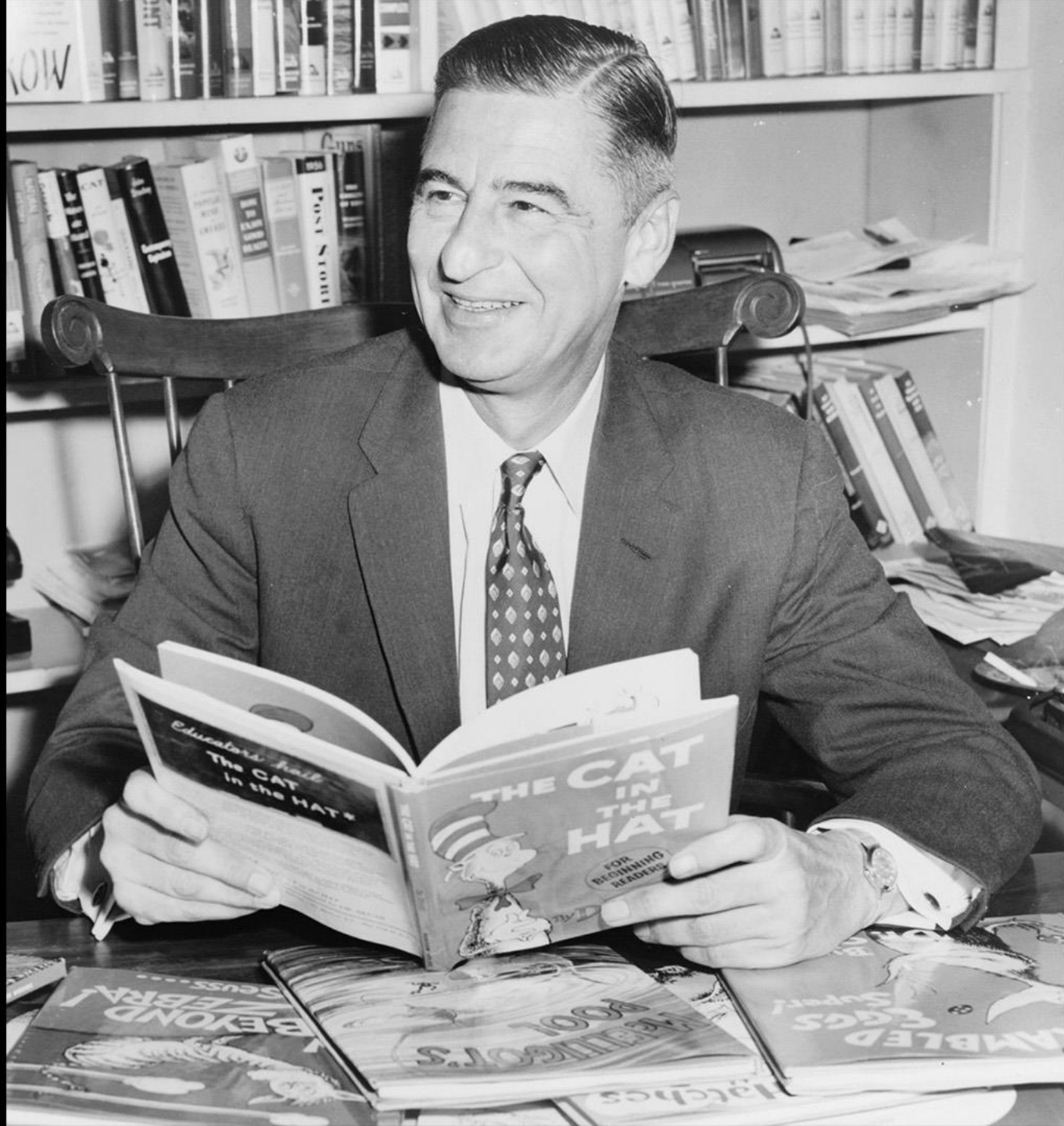
Audio ON/OFF

Report Device Problem



Device Info: Motorola Droid RAZR OS Version: Android 4.0.4 Resolution 960x540

<http://www.keynotedeviceanywhere.com/>



*“I LIKE NONSENSE, IT
WAKES UP THE BRAINCELLS”*

“FROM THERE TO HERE,
FROM HERE TO THERE,
FUNNY THINGS
ARE **EVERYWHERE!**”

NOKIA

and Next links be placed?

where should these links be placed? ...
Today I looked on Twitter where the links should be placed and the previous article should be placed. They are often in the navigation bar. Should they be placed below the article but before the comments? Should they be placed below the comments? Or should they be placed below the navigation. And the form and be considered as a part of the extended footer, with all the navigation in it?

...
where should on Twitter ...
form? Or should they be placed below the navigation. And the form and be considered as a part of the extended footer, with all the navigation in it?

...
where-should ...
The semantically correct answer is the last one. The previous and the next links are a part of the site wide navigation. And the comments, including the comment form, are part of the article. So if we were building a website for the HTML5 online ...

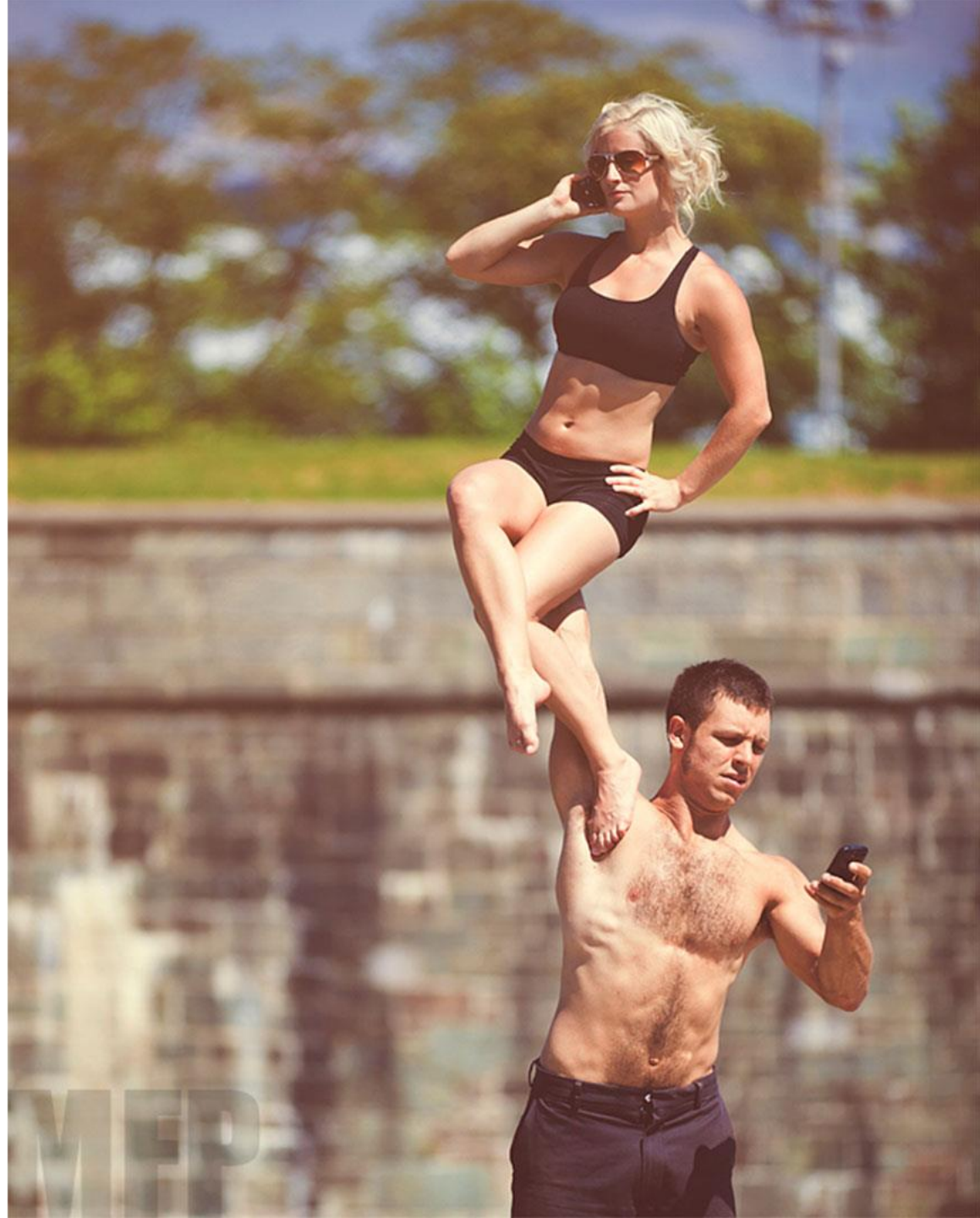
where-should ...
we would have to place these links below ...



nerd.vasilis.nl/where-should

@verkade

“IT ALL BEGAN WITH
A SHOE ON THE WALL
A SHOE ON THE WALL
SHOULDN'T BE THERE AT ALL”



*“EVERYTHING STINKS
TILL IT’S FINISHED.”*

*“IT IS FUN TO HAVE
FUN, BUT YOU HAVE
TO KNOW HOW”*

“AND WILL YOU SUCCEED?
YES INDEED, YES INDEED!
NINETY-EIGHT AND
THREE-QUARTERS PERCENT
GUARANTEED!”



*“DON'T CRY BECAUSE
IT'S OVER,*

*SMILE BECAUSE
IT HAPPENED”*



Paul Verbeek
Device Advice
@hierow