



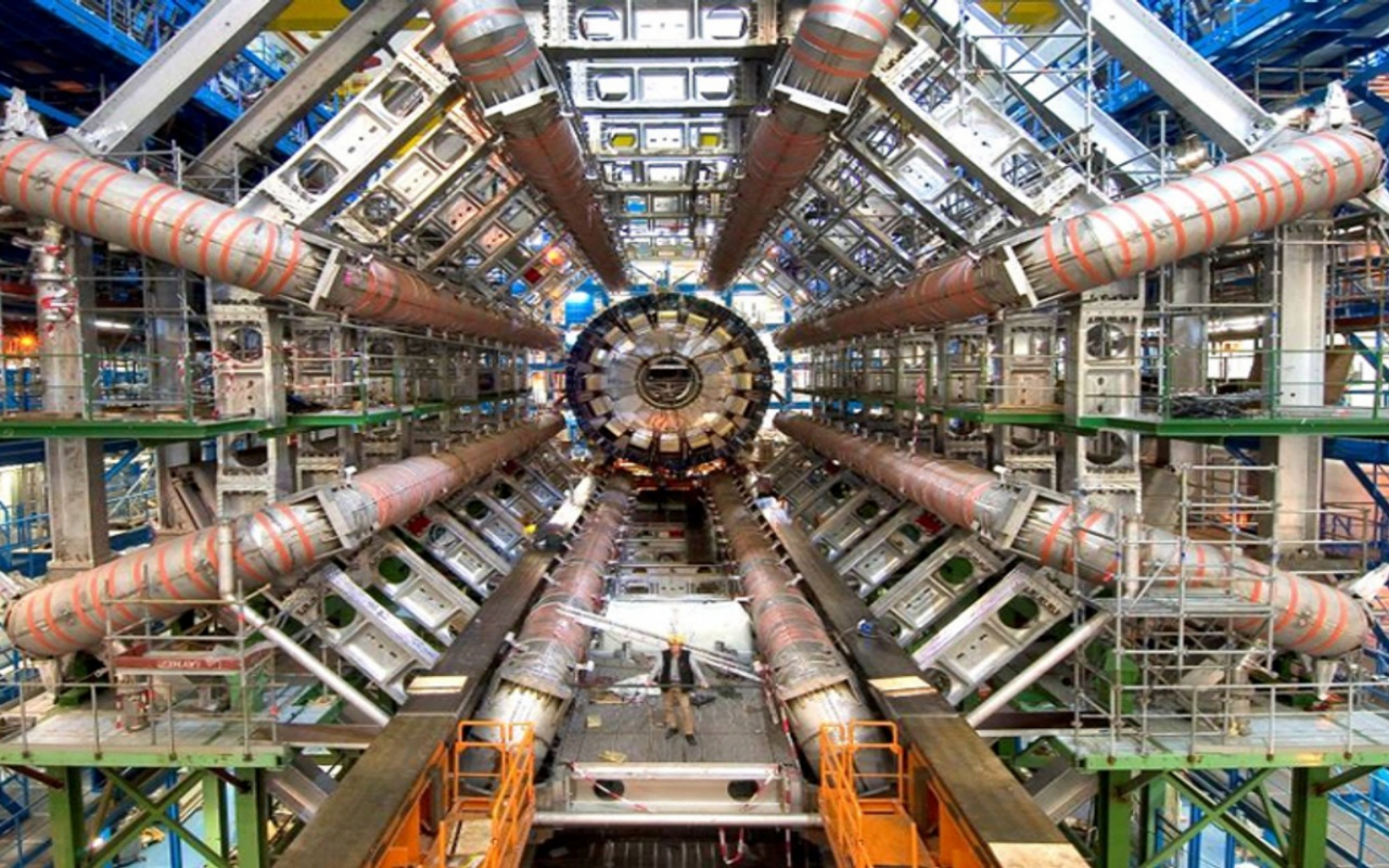
Multicol and paginated layouts on mobile

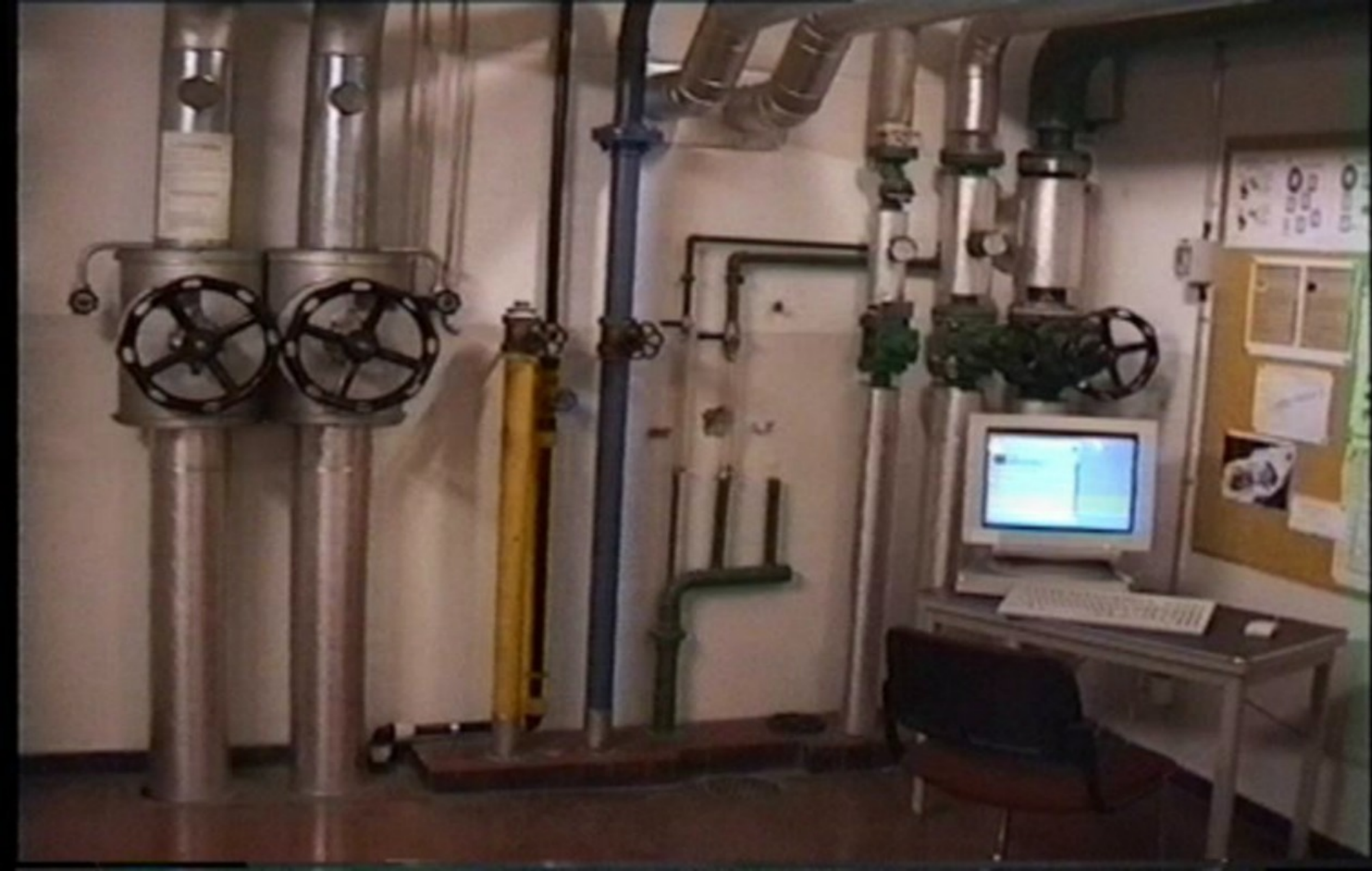
Håkon Wium Lie

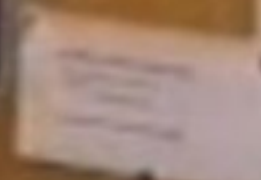
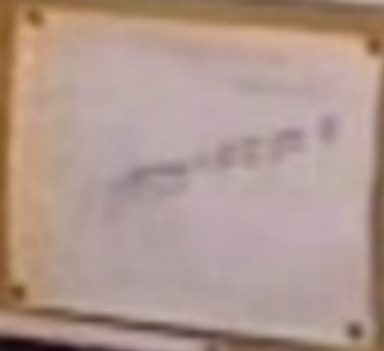
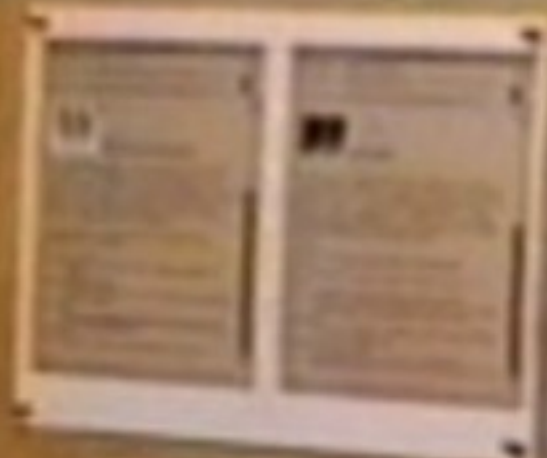
CTO, Opera Software

howcome@opera.com



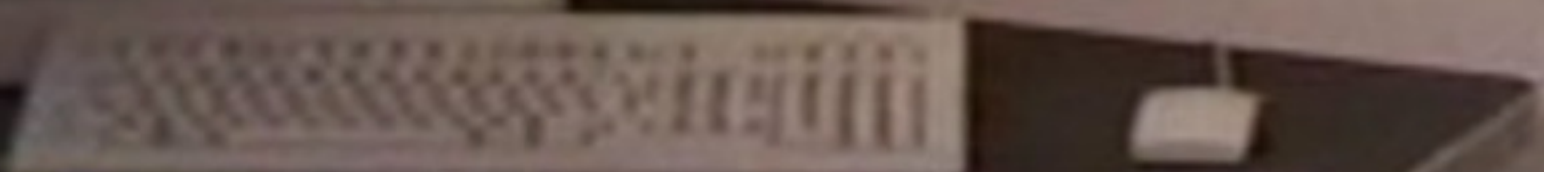
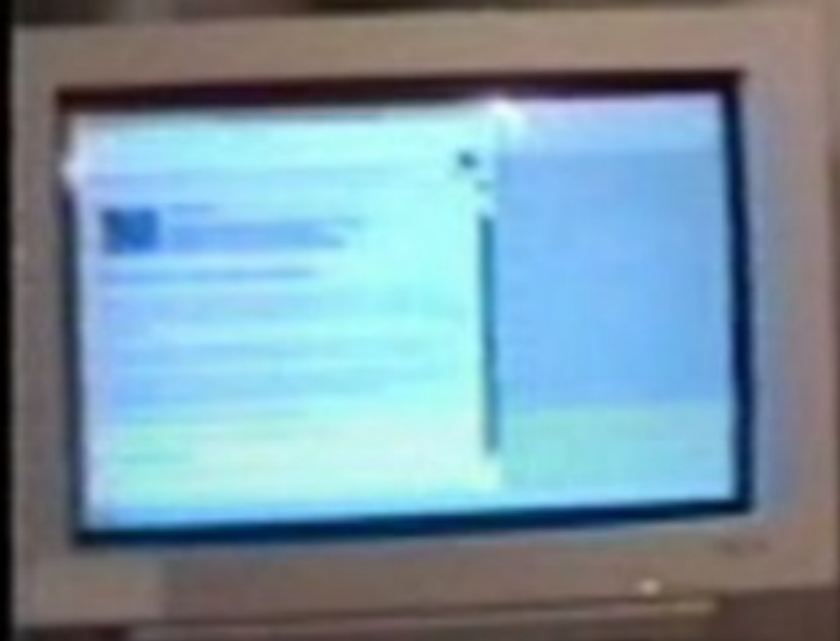
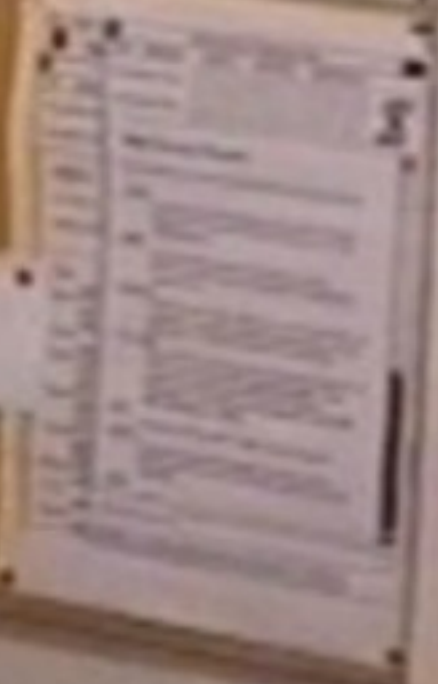






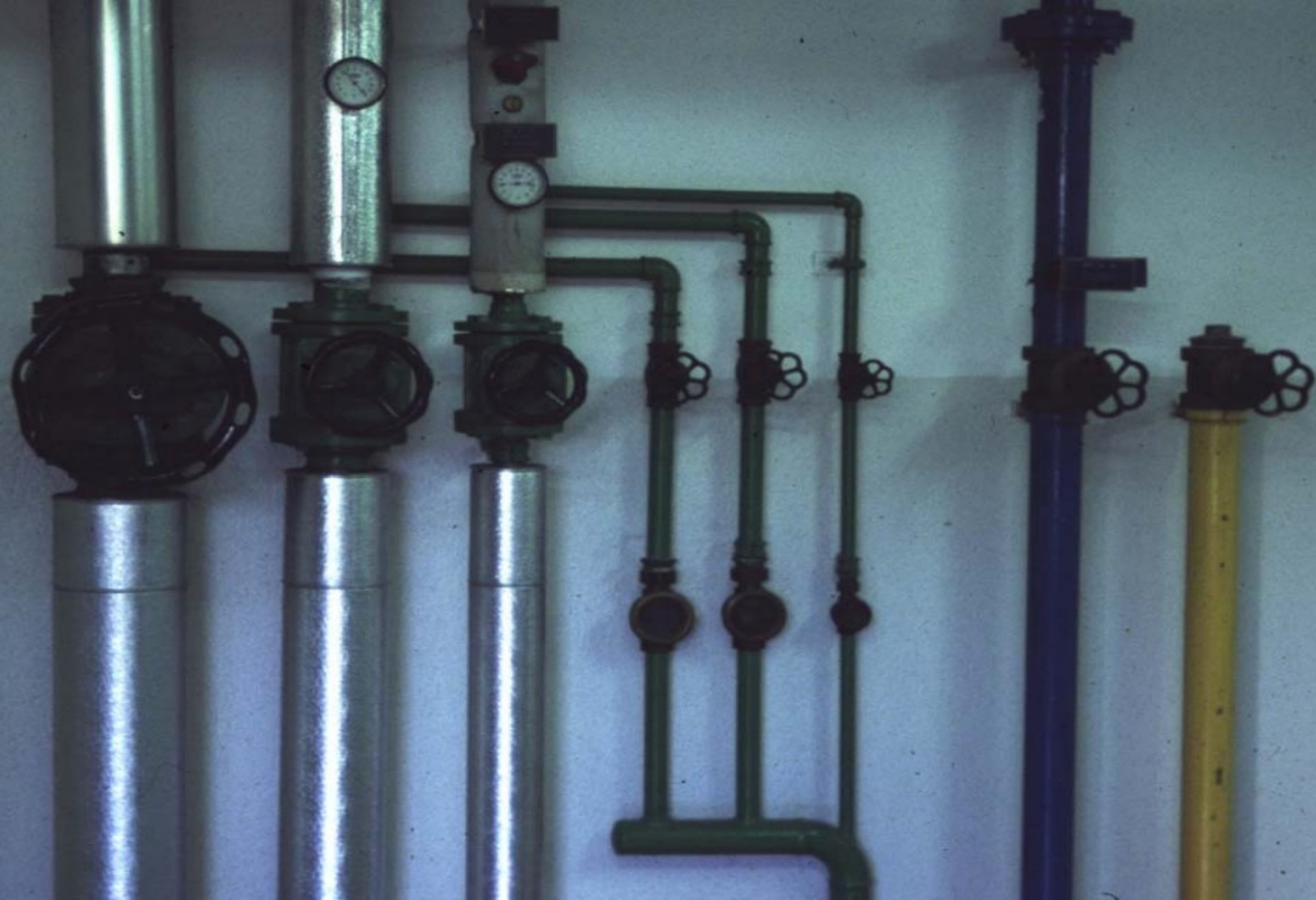
World
Wide
Web

*you click,
we do
the rest !*



World Wide Web

*you click,
we do
the rest !*









Cascading HTML style sheets -- a proposal

[Håkon W Lie](#)
howcome@info.cern.ch
10 Oct 1994

v0.92 This document describes work in progress and is incomplete as a basis for implementation. Its primary purpose is to establish guiding principles and propose a level of functionality for HTML style sheets. Comments are solicited.

Abstract

This document proposes a style sheet scheme for HTML documents. The proposed scheme provides a simple mapping between HTML elements and presentation hints. Properties like font family and window size can be suggested by the style sheet, and it can also provide logic to make presentation decisions based on the user's environment; e.g. the size of the screen or the current date.

The style sheet scheme is designed so that style sheets can be cascaded; the user/browser specifies initial preferences and hands the remaining influence over to the style sheets referenced in the incoming document. This will provide publishers with stylistic influence without resorting to page description languages.

The scheme supports visual as well as non-visual media.

Introduction

Style sheets are a part of the web today. Browsers, especially the GUI variants, support ways for the user to specify presentation parameters like fonts and colors. There are several reasons why the current functionality is not sufficient:

- current style sheets are static, they seldom change within the lifetime of a browser process. This makes the visual environment sparse.
- current style sheets are implemented using platform-specific notations, e.g. X11 resources. While some may consider this to be a feature, it prohibits general mechanisms for passing styles over the web.
- the author of HTML documents has no influence over the presentation. Indeed, if conflicts arise the user should have the last word, but one should also allow the author to attach style hints.

The last point has especially been a source of much frustration among professions that are used to be in control of paper-based publishing. This proposal tries to soften the tension between the author and the reader by:

- a) giving readers a richer visual (or auditory and tactile) environment while they retain control if necessary, and
- b) providing authors and publishers with stylistic influence without resorting to page description languages.



CSS Multi-column Layout Module

W3C Candidate Recommendation 12 April 2011

This version:

<http://www.w3.org/TR/2011/CR-css3-multicol-20110412>

Latest version:

<http://www.w3.org/TR/css3-multicol>

Previous version:

<http://www.w3.org/TR/2009/CR-css3-multicol-20091217>

Editors:

Håkon Wium Lie, Opera Software, howcome@opera.com

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Abstract

This specification describes multi-column layouts in CSS, a style sheet language for the web. Using functionality described in the specification, content can be flowed into multiple columns with a gap and a rule between them.

Status of this document

This section describes the status of this document at the time of its publication. Other documents may supersede this document. A list of current W3C publications and the latest revision of this technical report can be found in the [W3C technical reports index](http://www.w3.org/TR/) at <http://www.w3.org/TR/>.

This document was produced by the [CSS Working Group](#) as a [Candidate Recommendation](#).

A Candidate Recommendation is a document that has been widely reviewed and is ready for implementation. W3C encourages everybody to

Pagination vs. columnation

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See also

- [Laurens Janszoon Coster](#)
- [History of books](#)

References

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- ↑ [McLuhan 1962](#); [Eisenstein 1980](#); [Febvre & Martin 1997](#); [Man 2002](#)
- ↑ [Printing Press](#)
- ↑ [St. Christopher's](#) - Gutenberg's baptismal church
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- ↑ [Duchesne 2006](#), p. 83
- ↑ [Singer, C.](#); [Holmyard, E.](#); [Hall, A.](#); [Williams, T.](#) (1958). *A History of Technology, vol.3*. Oxford University Press.
- ↑ [Agüera y Arcas, Blaise](#); [Needham, Paul](#) (November 2002). "Computational analytical bibliography". *Proceedings Bibliopolis Conference The future history of the book*. The Hague (Netherlands): Koninklijke Bibliotheek.
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- ↑ [Childress 2008](#), p. 122
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[illegible][illegible]

Exphat hunc
Zechiel ppheta cum isa-
budus est in babiloune
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indidissent: et uiderent adhuc urbem
iherosolimam stare. quauis casuram

I factum est in die
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fio ipse ē annus quintus factu est verbu dñi
meo regis iobabim: factu est verbu dñi
ad zacharie filiu buzi sacerdoti in ter
ra caldeos secus flumin dobar: &
facta est sup eum ibi manus dñi
vidi: & ecce virus turbatus ve
nit ab aquilone: & nubes magna
involans. Et splendor in eo
et de medio ignis quasi
ib est de medio ignis. Et

Persians are the purr-fect pets – and not just for Bond villains

New rescue centre pampers Persians

ANIMAL lovers Isabel and Keith Davenport have transformed their garage into a haven for unwanted Persian cats.

The Coalpit Heath couple are such fans of the breed – which famously featured as a companion to the villainous Ernst Stavro Blofeld in the James Bond films – they have set up a charity called Persian Rescue.

And Isabel and Keith will use the double garage at their home as a rescue and rehoming centre for

By Colette Jackson

the long-haired felines.

They have kitted-out the garage with eight luxury pens, a play area, an office and a grooming area.

Isabel, 55, said: "I have been rescuing Persians for 13 years, but on a very small scale.

"And Keith and I vowed that one day we would set up a Persian rescue centre.

"There are lots and lots of centres in the area that rescue cats, but the majority of them are not keen on taking on Persians.

"I can accommodate eight cats at one time at the centre."

Isabel said the breed needs a great deal of care and attention. "They need grooming daily," she said. "They have very thick, long coats – that is the typical Persian.

"There is no Persian rescue centre in this area and the one in Dorset closed last year."

Isabel has taken early retirement from her job as a receptionist at Brimsham Veterinary Clinic in Yate to concentrate on the venture.

She said some pet owners decide they no longer want Persian cats because of a marriage breakdown, which is a common reason why many pets are abandoned.

"But the main reason seems to be because it takes a fair bit of work to look after them," she revealed.

"If you do not groom them regularly their coats get knotted and once that happens you cannot groom them because it hurts the cat too much.

"They then have to be clipped – which means all the fur is taken off if necessary – and then it grows again."

Isabel and 53-year-old Keith, who works for Orange at Bradley



FILMSTAR FELINES: Tia, sharpening her claws, shows Persians make good pets as well as Bond baddies

Stoke, have four Persian cats of their own called Percy, Tia, Pugsey and Sally.

Persian Rescue has the support of the National Animal Sanctuary Support League, the Bristol and District Cat Club and Petplan.

And Isabel revealed why she has such a passion for the creatures. "They are just gorgeous," she insisted.

"The majority are very laid back and loving. They will follow you around."

■ *The Persian Rescue centre is now open. To find out more call Isabel or Keith on 01454 250548.*



PERSIAN PERSUASION: Isabel, with Pugsey, loves the fluffy felines



MOGGY MATES: Percy smiles, left, while Tia plays in the outside pen

8 lines of CSS code

```
body { overflow: paged-x }  
article { columns: 14em; column-fill: auto }  
h1 { column-span: 2; float: top }  
.lead { column-span: 2; float: top; }  
.fig { column-span: 2 }  
.fig img { width: 100% }  
.first.fig { float: bottom }  
.second.fig { float: top; float-defer-column: last }
```


Multicol: Responsive by design

Global warming has often been described as the greatest market failure in history.



net result. While emotions and feelings were recognized as powerful motivators, it was assumed that rationality would determine the ultimate outcomes. As Benjamin Franklin wrote in 1749, "If Passion drives, let Reason hold the Reins."

According to this view, reason could also be employed to cleverly design safeguards protecting the operations of the rule of reason against well-understood threats inherent in human nature. For example, since the accumulation of too much power in the hands of one person (or one

small group of people) could unbalance the operations of reason, America's founders divided power between state governments and the federal government and divided power within the federal system among three coequal branches of government. These checks and balances were woven into the fabric of the U.S. Constitution. It is worth remembering that the states refused to ratify the Constitution until individual freedoms provided by the First Amendment—which, among other things, guarantees citizens access to

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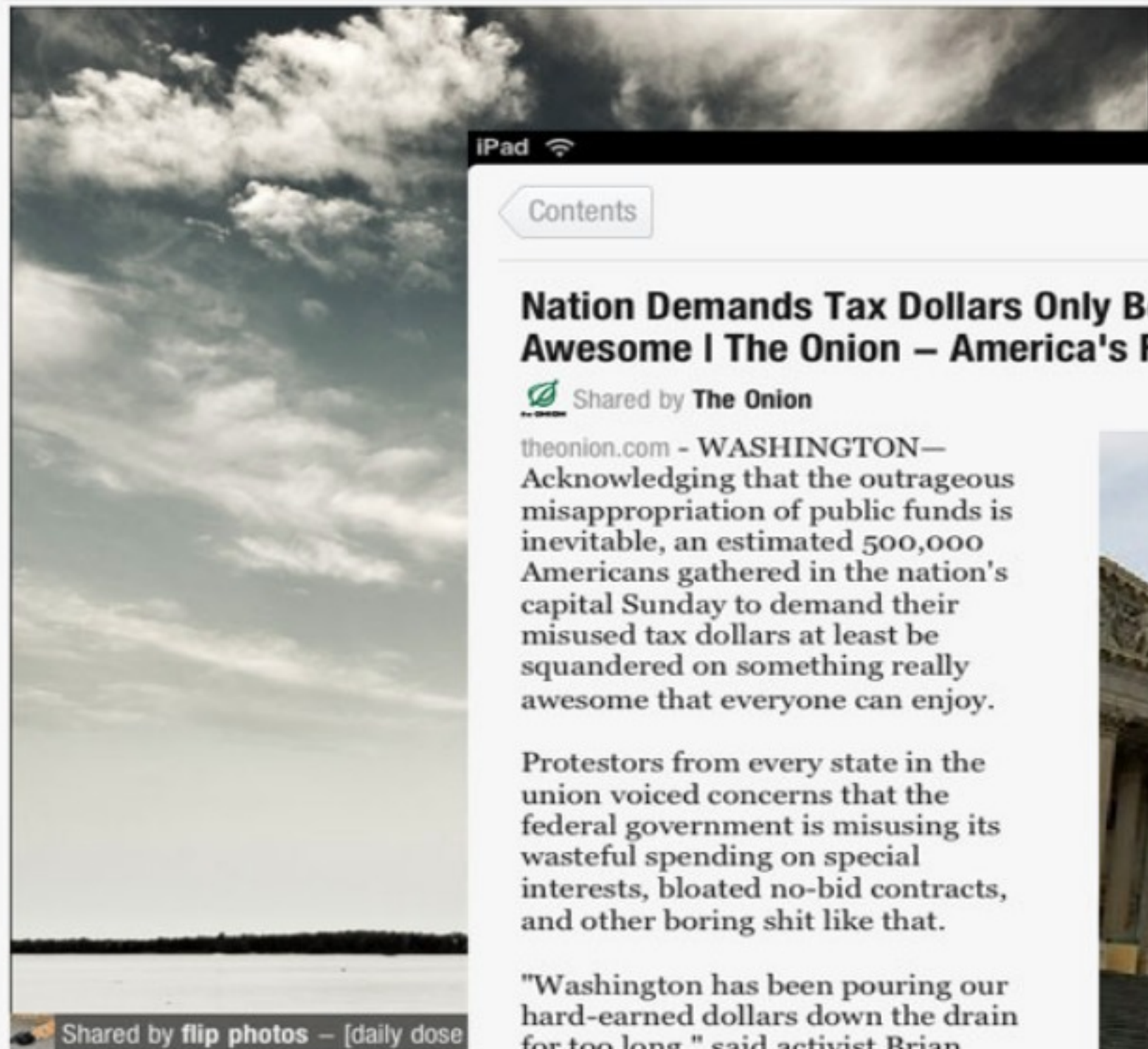


Paper



Contents

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 The Onion

Nation Demands Tax Dollars Only Be Wasted On Stuff That's Awesome | The Onion – America's Finest News Source

 Shared by The Onion

theonion.com - WASHINGTON— Acknowledging that the outrageous misappropriation of public funds is inevitable, an estimated 500,000 Americans gathered in the nation's capital Sunday to demand their misused tax dollars at least be squandered on something really awesome that everyone can enjoy.

Protestors from every state in the union voiced concerns that the federal government is misusing its wasteful spending on special interests, bloated no-bid contracts, and other boring shit like that.

"Washington has been pouring our hard-earned dollars down the drain for too long," said activist Brian McGill, addressing a crowd on the National Mall. "And that won't ever change—we understand that. But we have a message for our elected officials: When you waste taxpayer money, you'd better waste it on something that seriously kicks ass."




Tour De France Cyclists Make It Past Dreaded Underwater Stage | The Onion – America's Finest News

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theonion.com - FRANCE—Luxembourger Frank Schleck, a rider with the CSC team, emerged from the 182-kilometer underwater tunnel stage Monday triumphantly clad in a soaked yellow jersey after braving electric seaweed,

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The ONN Android App

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Latest

Why not use JS?

- JS will be used
- the platform should expose basic building blocks
- glyph, line, column, page

Pagination on mobile

- gestures, not clicks
- scrollbars are hard to see & manage
- books in browsers



CSS Multi-column Layout Module

W3C Candidate Recommendation 12 April 2011

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Editors:

Håkon Wium Lie, Opera Software, howcome@opera.com

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A Candidate Recommendation is a document that has been widely reviewed and is ready for implementation. W3C encourages everybody to



CSS Figures

Living Standard — Last Updated 17 April 2014

This version:

<http://figures.spec.whatwg.org/>

Editor:


Håkon Wium Lie, Opera Software, howcome@opera.com

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[file a bug](#) ([open bugs](#))

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Abstract

This specification describes how common figures - as in tables, photographs, or drawings with captions - can be formatted with CSS in ways traditionally used in printing. Using functionality from this specification, figures can be floated wrt. columns and pages, and they can be made to span columns. One can also specify that text should wrap around text and images.

Status

This specification is in the process of establishing itself in WHATWG. As such, the term "Living Standard" indicates a goal, rather than reality. However, many features described in this specification have already been implemented, as documented [here](#)

CSS Multicol & Figures implementations

CSS	Presto	Prince	AH	Webkit experimental	Webkit	Gecko	Blink	Trident
columns: <integer>	✓	✓	✓	✓	✓	✓	✓	✓
columns: <width>	✓	✓	✓	✓	✓	✓	✓	✓
column-span: all	✓	✓	✓	✓	✓	✓		✓
column-span: 2	✓	✓	✓	✓				
float: top/bottom	✓	✓	✓	✓				
float: outside/inside		✓	✓					
Page transitions	✓							

Page transitions

```
<link rel=next href=e2.html>
```

```
<link rel=previous href=e0.html>
```

```
<link rel=index href=index.html>
```