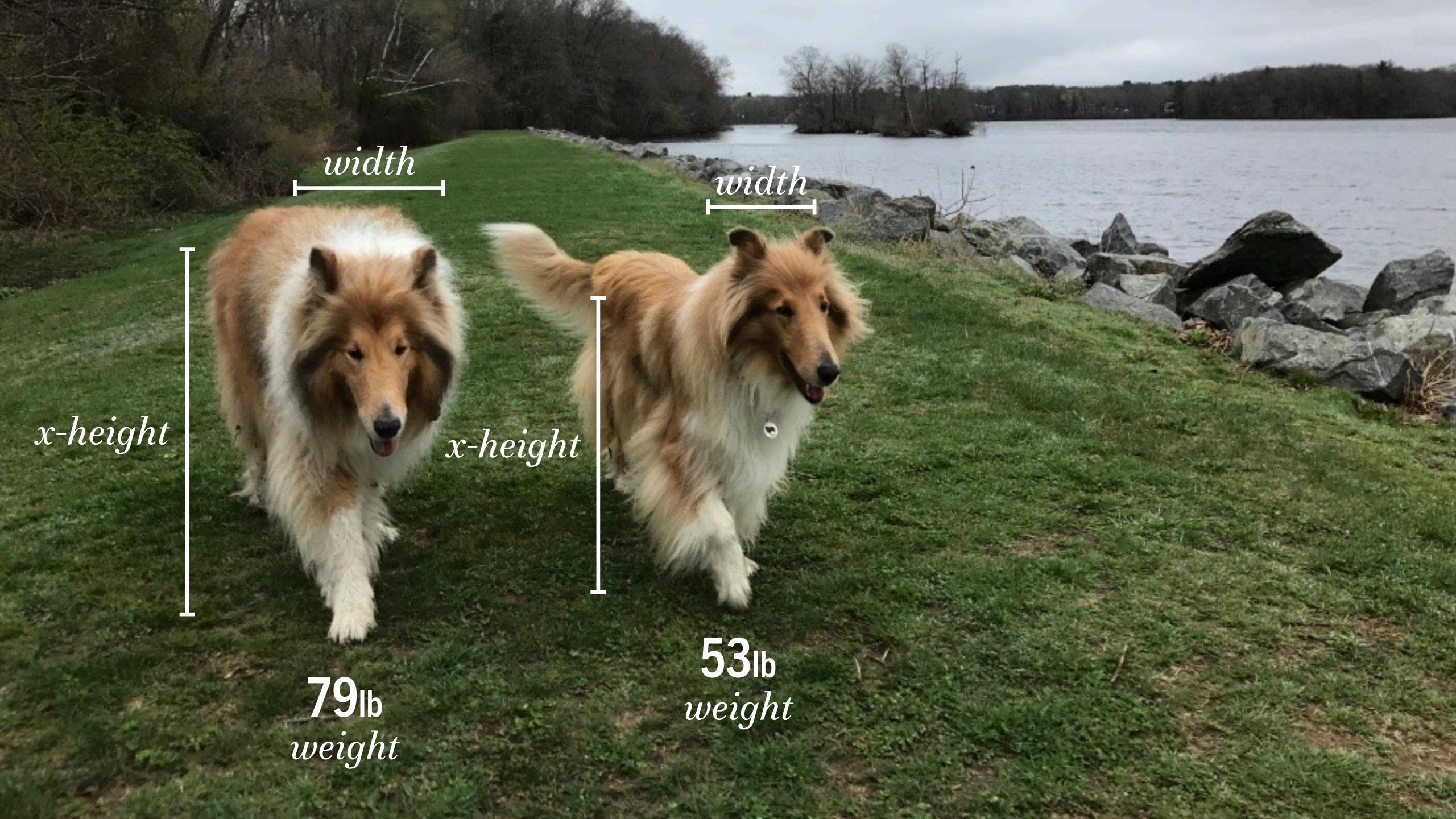
Variable Fonts & the Future of Web Design

a tale of slaying dragons, graphic design, and other improbable skills in designing for the digital world

Jason Pamental | @jpamental Design/Technology Thinking & Tinkering UX Burlington



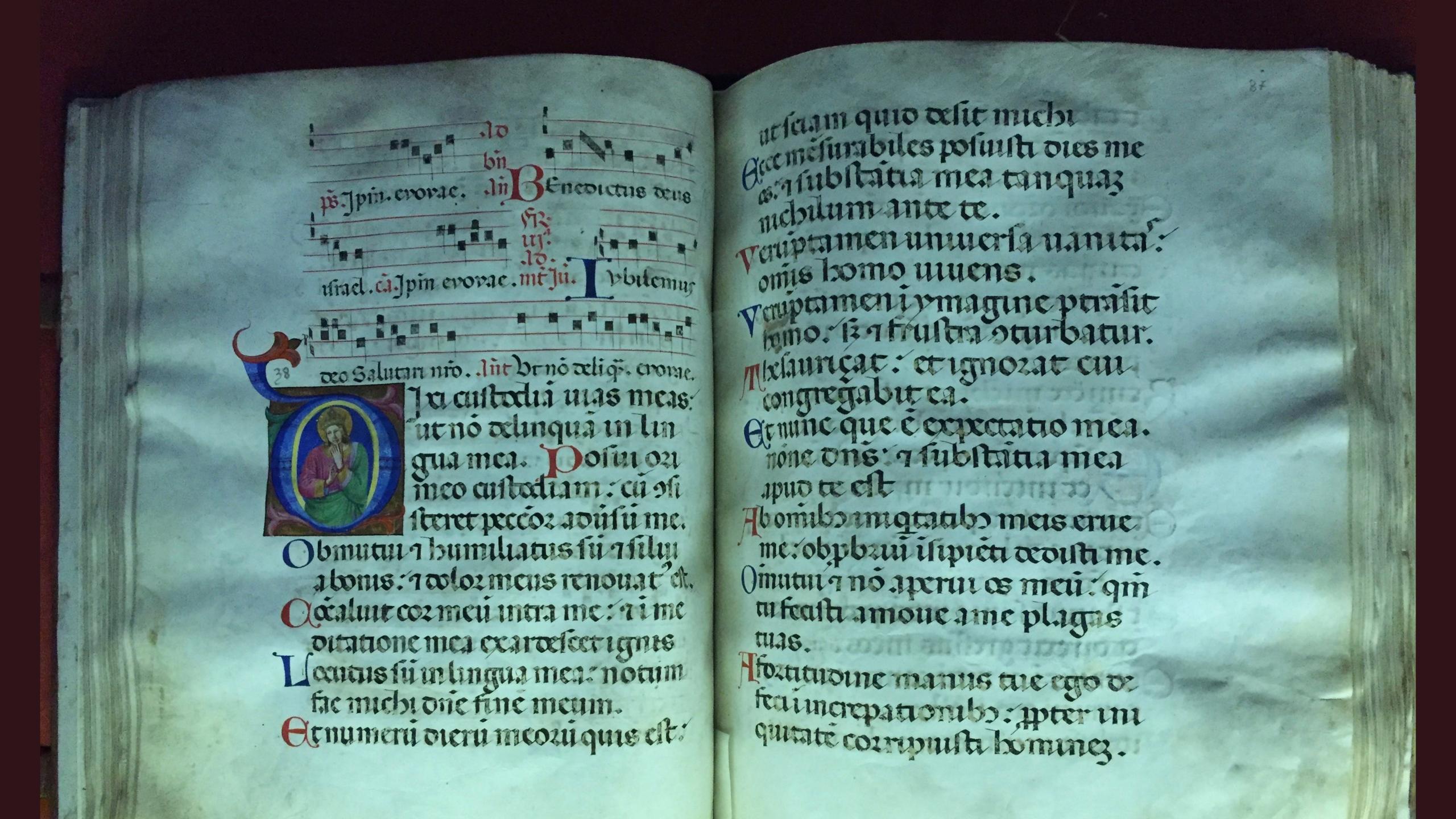






Most of the web is words.

(and cat videos. but mostly words)





Rimo procemium. Secudo quéac tradéda sint. Tertio utrum utiliu diatur. Quarto qua ratione in pa & qua tradéda sint. Quito de gra gramatici. Septimo an oratori fu

artium sciétia. Octavo de musicæ. Nono de g ma pronunciationis & gestus institutione. Vi tempore doceri prima ætas possit. Unicode is relatively new, but many of the resources it cata logues are ancient. Composition software, communication links

9.2 THE SUBSTANCE OF THE FONT

Type metal is

typically 60% to

80% lead, 15% to

and 5% to 10% tin.

also like to add a

Some founders

trace of copper.

30% antimony

Within the tiny confraternity of metal typefounders and let terpress printers there is a subtribe that can argue day and night about recipes for type metal. In such a company, the question of whether to add or subtract five per cent of tin or antimony, or one per cent of copper, can lead to a long and heated exchange. In the community of digital founders and programmers, there is a corresponding subtribe capable of arguing till death about the merits of one digital format versus another.

Between 1980 and 2000, several digital font formats were introduced. Each one's sponsors claimed their product was superior to its predecessors, and sometimes they had grounds to make such claims. In every case, however, it has turned out that what genuinely matters is not the format used so much as the level of hands-on workmanship, good sense and attention to detail. In metal and digital founding alike, the standard is set by the human who does the work, not by the recipe or by the brand name of the tools.

Bitmapped fonts came into use in the 1970s. Fonts of this sort are defined by simple addition and subtraction: this pixel on, that pixel off, these pixels on, those pixels off. In 1982, with the introduction of PostScript, bitmapped printer fonts rapidly gave way to fonts defined as scalable outlines. A decade later came the TrueType format, which differs from PostScript in two essential respects. First, PostScript and TrueType take a quite different approach to hinting (that is, they have different ways of addressing the problems caused by inadequate resolution). Second, their descriptive mathematics are different. Both interpret letterforms in terms of Bézier splines (that is to say, they rely on algebraic techniques developed by Paul de Casteljau and Pierre Bézier in

Think of a curve as a tensile line, bent by means of a lever think of a curve as a tensile line, bent by means of a lever think of a curve as a tensile line, bent by means of a lever think of a curve as the curve can be mathematically death terms of four points. Two of these are the endpoints of the levers, are known the curve. The other two, at the far ends of the levers, are known the curve control points. If the two imaginary levers can be the curve's control points. If the two imaginary levers can be controlled independently, then cubic equations [as for example, controlled independently, then cubic equations [as for example, controlled independently, and it is called a cubic spline.

If $t = (1-t)^3 E_1 + 3t(1-t)^2 C_1 + 3t^2(1-t) C_2 + t^3 E_2$ will be required to describe the curve, and it is called a cubic spline.

The levers themselves are not part of the curve, and the control points are usually off the curve. In the simplest case, however, these imaginary levers have a length of zero. Then the control points and the endpoints coincide, and the curve is a straight line.

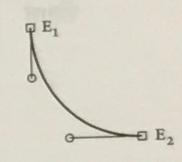
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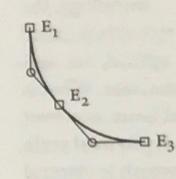
the endpoints coincide, and one way to simplify a cubic spline is to tie the levers together one way to simplify a cubic spline is to tie the levers together so that both control points coincide (or so that one control point has a fixed relation to the other). If that is done, the mathematical has a fixed relation to the other). If that is done, the mathematical description can be simplified from cubic to quadratic [along the lines, $f(t) = (1-t)^2 E_1 + 2t(1-t)C + t^2 E_2$].

There are some other complications. A cubic spline, for instance, can have additional anchors or points of inflection; a quadratic spline cannot. In brief, cubic splines can be simple or complex; quadratic splines can only be comparatively simple. So translating a cubic spline to quadratic form can mean converting one spline into several (and the translation even then may be imperfect). A TrueType letterform will therefore often have more splines than the equivalent form in PostScript, but these are usually defined by fewer points, and mathematically speaking, the points are usually simpler to describe.

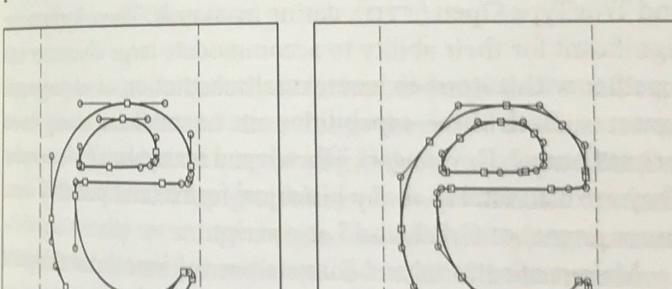
The State of the Art



A simple cubic spline, above, and the same curve (more or less) reconceived as two quadratic splines, below.



All quadratic splines can be perfectly expressed as cubic splines, but not vice versa. In quadratic equations, the highest power is two (e.g., x squared: x²); in





Dragon No 1

The practice of typography for digital systems is different

Let's talk a little bit about why

How can't we control the web?

Let me count the ways



Variable Fonts

Menu

- Font Overload
- Variable Font Demo

Variable fonts & the future of web design

Jason Pamental | Tuesday 02 October 2016 12.00 EDT

Our state of affairs

549k

amount of font data downloaded to render this page (18 different weights, widths & variants)

The current state of design on the web is stalled. We made a huge leap forward with the widespread availability of web fonts starting in 2009, and then were confronted with the advent of responsive design just a year or two later. While many interesting things have come from that evolution, we've also struggled with coming to grips with the complexity of designing for infinite screen sizes whilst being equally concerned with performance. Contending with ever-shortening attention spans (Google research gives you about 3 seconds before you lose half your audience) we've had to constrain our typographic systems to just a few fonts to keep the impact on load time to a minimum.

These constraints have forced us as designers to make compromises when considering type size, line length, and overall visual hierarchy and differentiation. Considering things like a narrower font on smaller screens to achieve a slightly longer line length without sacrificing size. Or utilizing ultra-thin or ultra-heavy weights for added emphasis and variety of expression—all luxuries we can't embrace due to the burden it would place on site visitors—particularly those on shaky wireless connections.

Evolutions in layout systems for the web like Flexbox and Grid are coming along, but with only incremental improvements in compression of font formats, we're left wanting for more freedom of expression through greater variety of type. This page has been designed purposely with every weight of Roboto and Roboto Condensed available through Google Web Fonts. The goal is to showcase the variety of typographic expression that can be achieved with only width, variant, and weight.

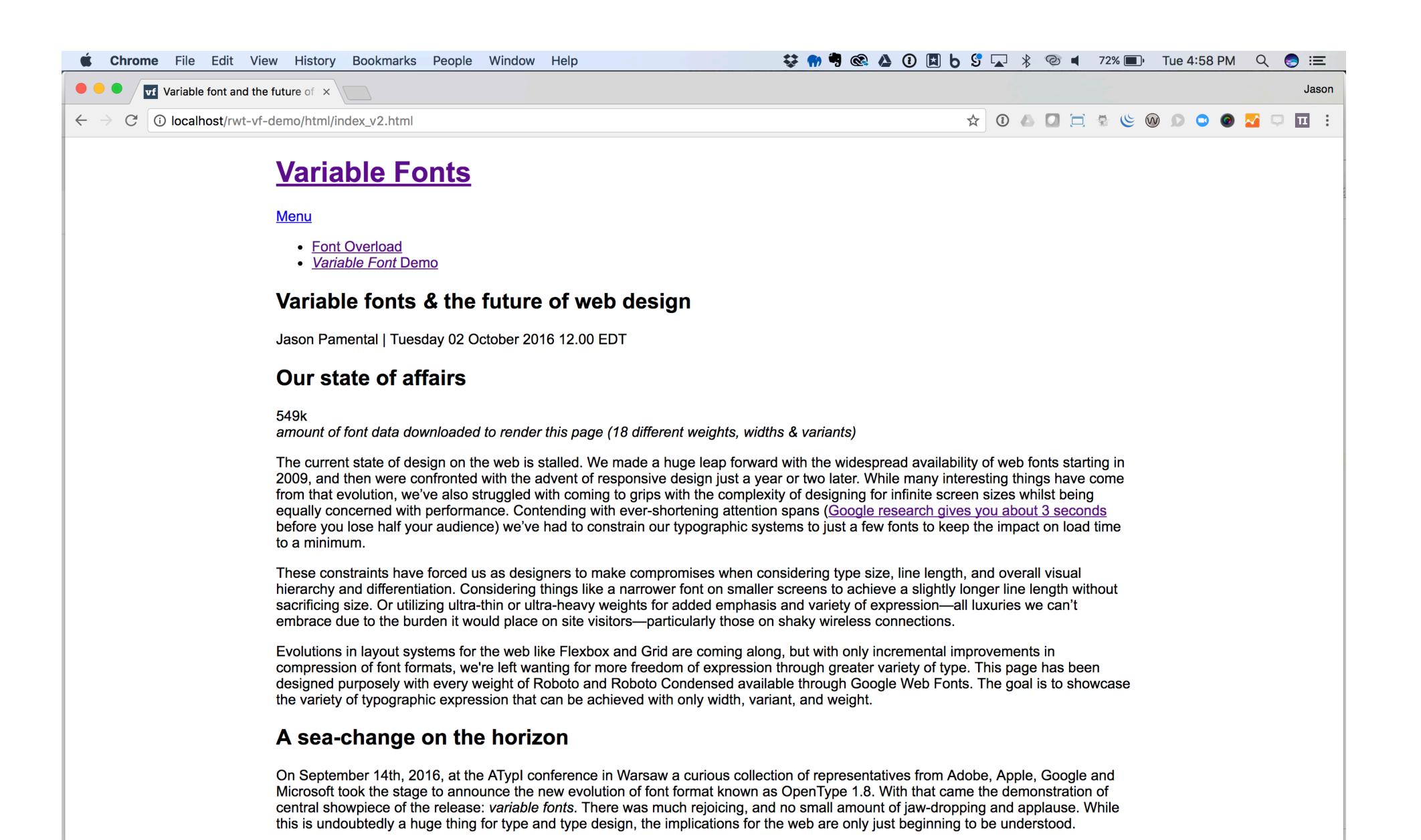
A sea-change on the horizon

On September 14th, 2016, at the ATypI conference in Warsaw a curious collection of representatives from Adobe, Apple, Google and Microsoft took the stage to announce the new evolution of font format known as OpenType 1.8. With that came the demonstration of central showpiece of the release: *variable fonts*. There was much rejoicing, and no small amount of jaw-dropping and appliance. While this is undoubtedly a huge thing for type and type design, the implications for the web are only just beginning to be understood.

I'm just going to say it:

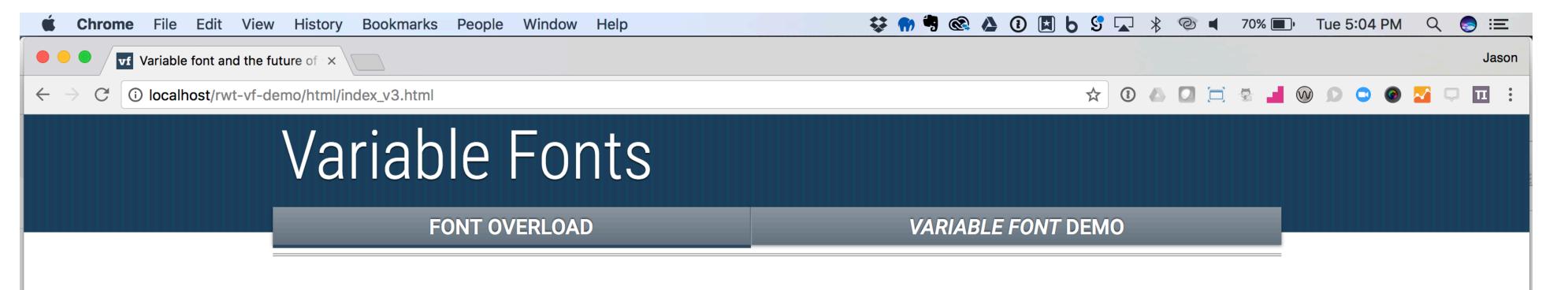
This may be the most significant development for design on the web since responsive design itself

Allow me to elaborate. Type is the voice of your words. If we can only use a limited set of weights and widths, we have a limited range of that voice. So our ability to modulate that voice is extremely curtailed. The power of type graphic range is multiplied when we can expend that range from 2 or 5 or 6 fants to 10 or 15 or more and that range is what applified when we attain design can achieve much grapher.









Variable fonts & the future of web design



by Jason Pamental | Tuesday 02 October 2016 12.00 EDT

he current state of design on the

Our state of affairs

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audience) we've had to constrain our typo-

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amount of font data downloaded to render this page (18 different weights, widths & variants)

Dragon No 2

Unstoppable force, meet immovable object

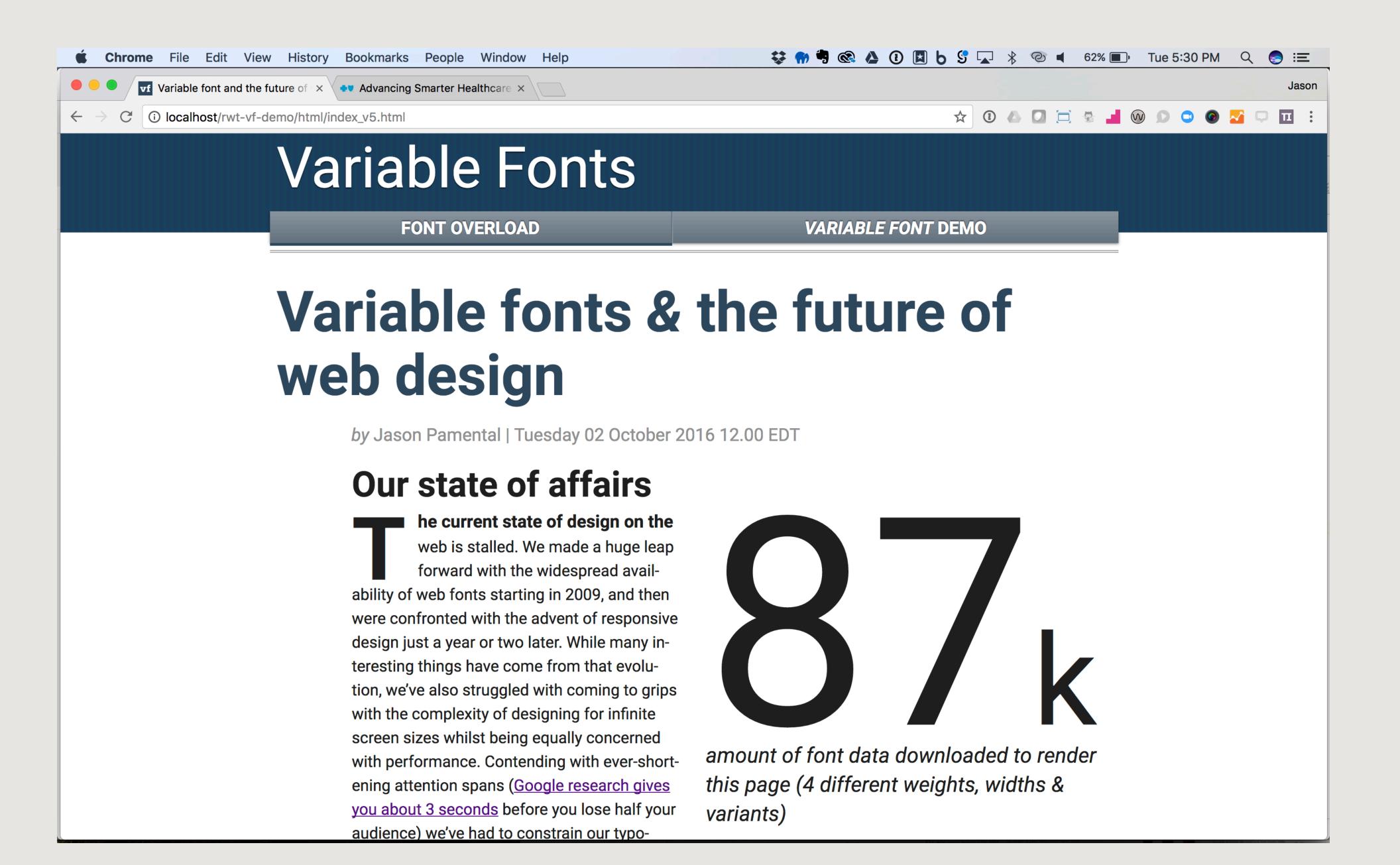
or 'how content showing up at all trumps pretty much anything else in the way'

In 3 seconds, 53% of your mobile audience will leave

it's been 2.9 seconds—do you know where your web fonts are?







September 14th, 2016

ATypl Warsaw

Enter Sandman

Or at least Variable Fonts

2 dragons, 1 font



8 8 a a a a a a a a a a a a a **aaaaaaa**

handglove

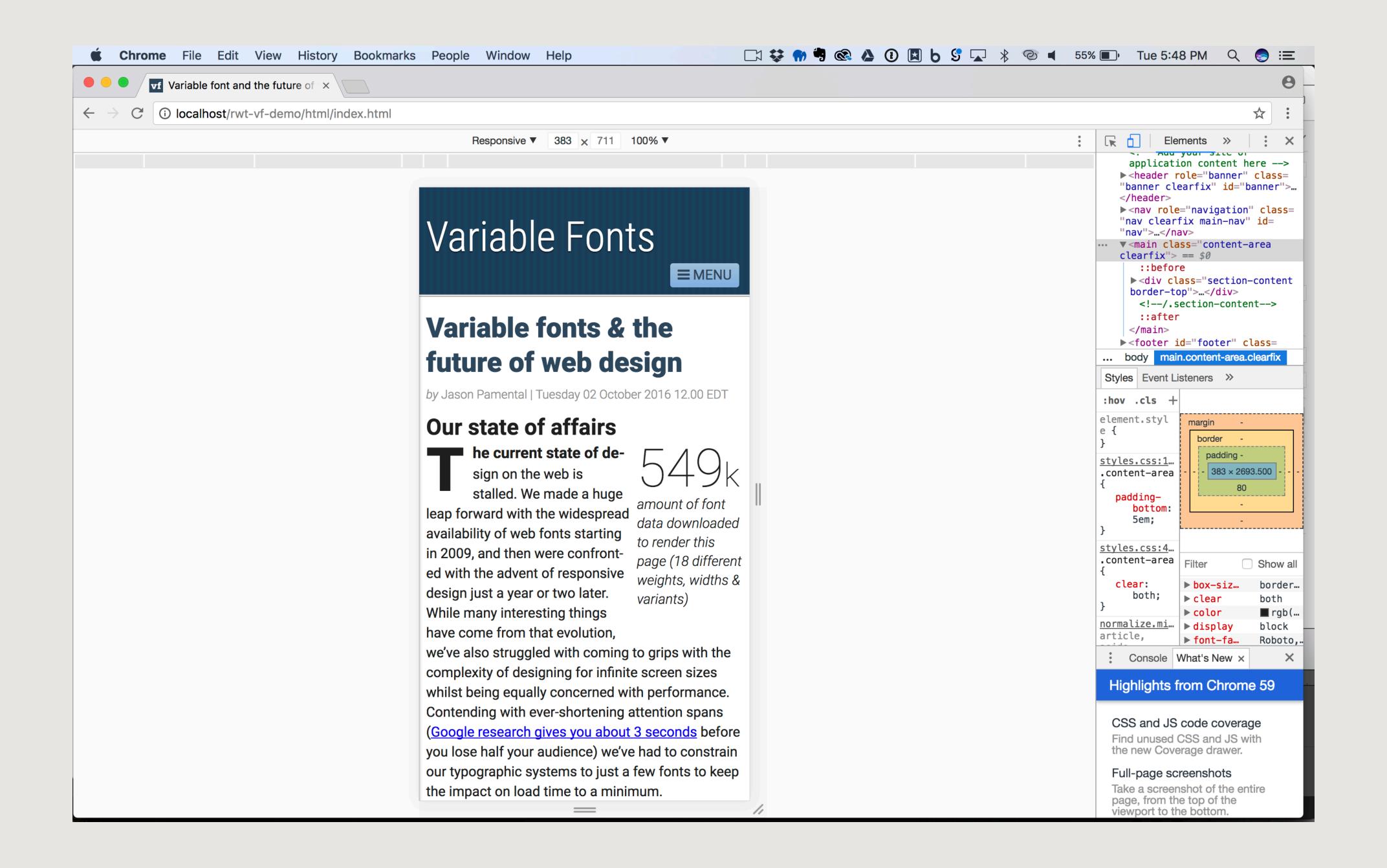
handglove

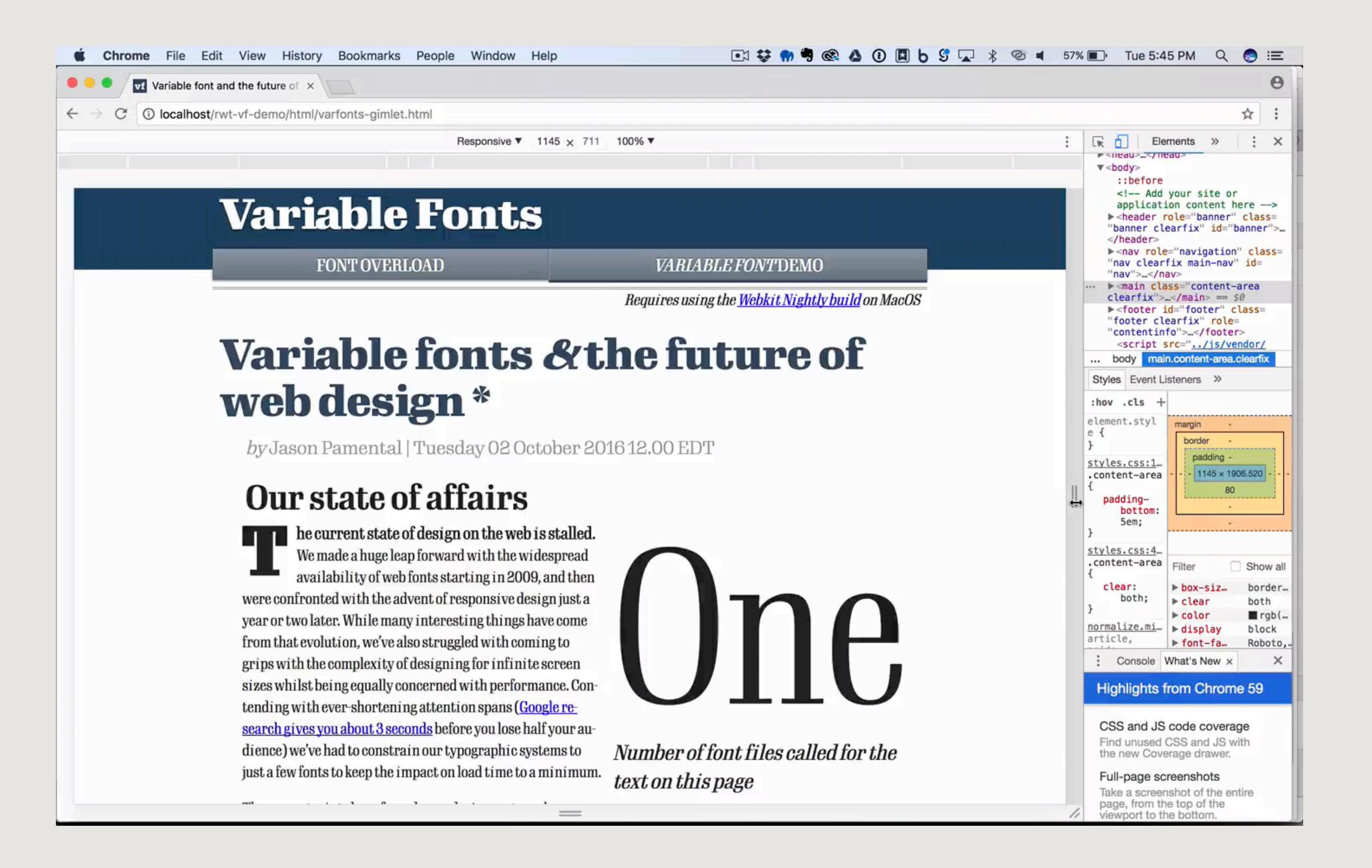
Straight outta Compton

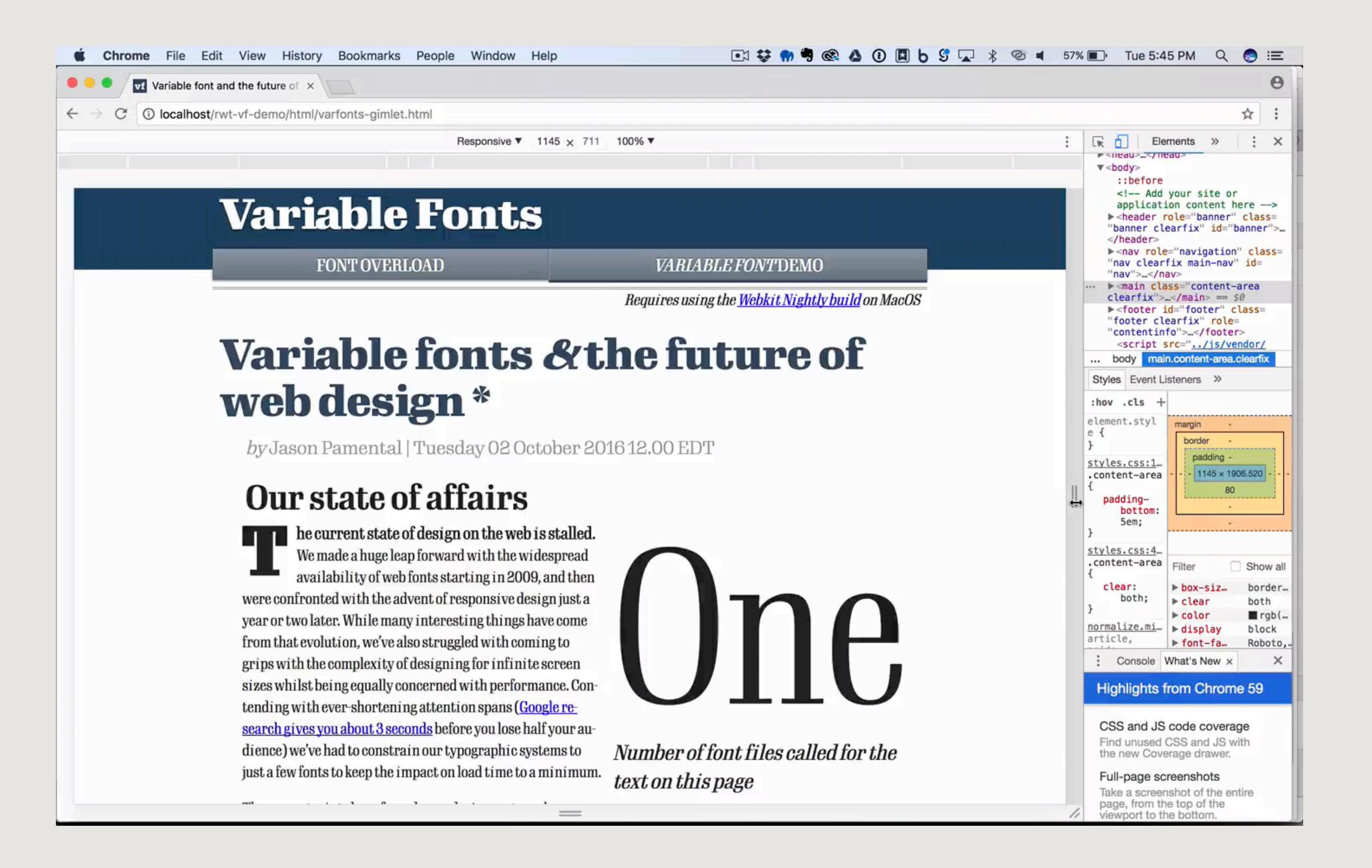
Er, Webkit

If type is the voice of our words that voice just became a chorus

but wait—don't forget Dragon No 3









But what about the future?

Unreleased Tax Returns May Doom Trump's Overhaul Effort

By ALAN RAPPEPORT

- Democrats have pledged not to cooperate on rewriting the tax code unless they know how it would benefit the billionaire president and his family.
- Republicans, more than a dozen of whom are also calling for President Trump to release his taxes, remain sharply divided on possible legislation.

■584 Comments

 Spicer Argues Public Disclosure Is Unnecessary, Even Harmful

Trump Drifts Away
From Populism, to
Supporters' Dismay



Todd Heisler/The New York Times

Patrolling the Border on Four Legs

The Times tagged along for a shift of Border Patrol agents on horseback, who play an essential role in detecting illegal activity near hard-to-patrol areas along the Rio Grande.

Text by RON NIXON and Photographs by TODD HEISLER

Your Tuesday Briefing

By CHRIS STANFORD 7:22 AM ET
Here's what you need to know to
start your day.

 New York Today: A Holocaust Survivor's Story, on Stage



The Opinion Pages

EDITORIAL

Democracy Loses in Turkey

The country's fate will be in the hands of an erratic and vengeful man.

- · Editorial: A Stronger Transit Web, on the Water
- · Brooks: How to Leave a Mark on People
- · Leonhardt: You're Too Busy. You Need a 'Shultz Hour.'
- · Have These Been the Best Two Weeks of Trump's First 100 Days?
- How America Is Losing the Credibility War
- What's Next After Turkey's Referendum?



BRITTANY BRONSON

What Happens When Women Legislate

Nevada shows why the gender makeup of state-level politics matters.

TIMES INSIDER »

My Own Private Easter Egg-Gate

THE CROSSWORD »
Play Today's Puzzle



The Indian tycoon Vijay Mallya was arrested in London on Tuesday. He fled his home country more than a year ago under an avalanche of unpaid bills and fraud allegations.



Subscribe

In the News American Airlines First 100 days Arkansas executions N-word resignation Space trash video Sarah Palin Prince McDonald's uniforms Aaron Hernandez Rajon Rondo

'Big announcement' on tax reform unlikely to reveal details, official says

President Trump's statement indicated he is trying to accelerate one of his most ambitious campaign promises — though specifics remain undetermined and it caught many aides off guard. A White House official said although an announcement is coming, it will be broad.

By Damian Paletta

@PKCapitol Analysis

History tells us the GOP is taking on too much this week and it isn't likely to end well

Lawmakers face a Friday deadline to keep federal agencies funded through the year. Yet President Trump is also pushing for revisions on health care and the tax code.

By Paul Kane · 2 hours ago

At least 160 dead after Taliban attack on Afghan army base, official says

A group of 10 fighters raided the base in the bloodiest single incident involving the militants since the war began in 2001. Authorities said the massacre targeted people at mosque for prayer, but the Taliban denied killing soldiers inside the mosque.

By Saved Salahuddin

March for Science



(Video: Earth Day Network; photo: Astrid Riecken for The Post)

March for Science brings out demonstrators on six continents: 'There is no Planet B'

Thousands gathered on the grounds of the Washington Monument: "The very idea of evidence and logic and reason is being threatened by individuals and interests with the power to do real harm," one of the rally emcees said. The crowd in the District will march down Constitution Avenue to the foot of Capitol Hill.

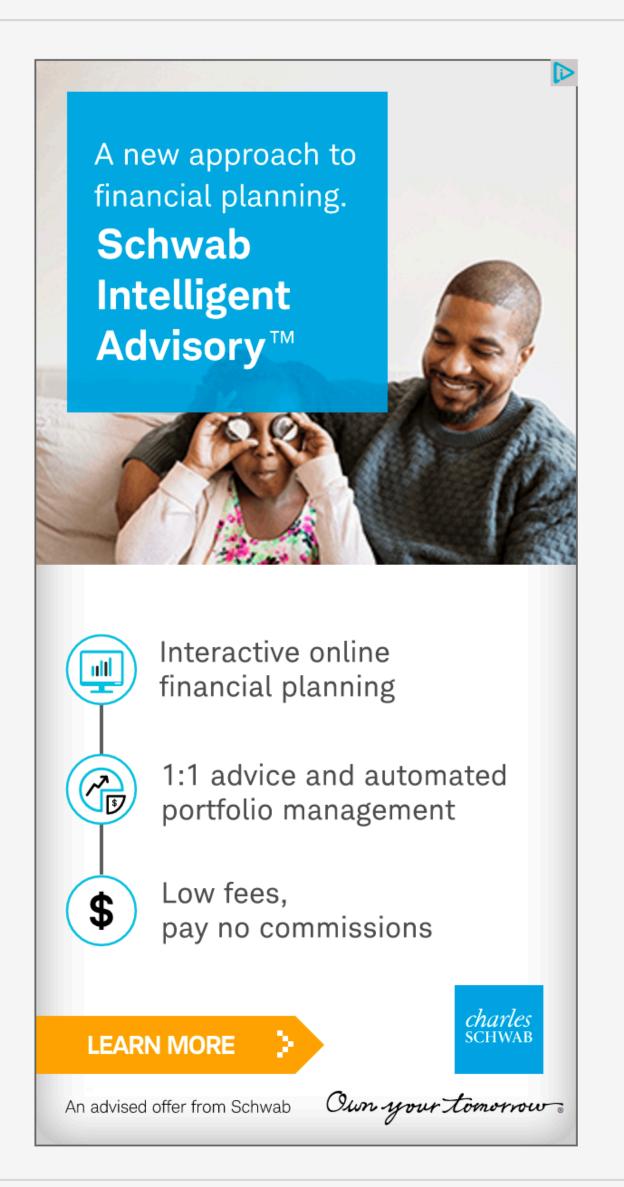
By Joel Achenbach, Ben Guarino and Sarah Kaplan · 43 minutes ago

Photos: The scene in Washington

Here are some of the best signs people are carrying around the world

Funny, serious or geeky, the March for Science — which coincides with Earth Day prompted people to head into the streets to share their opinions.

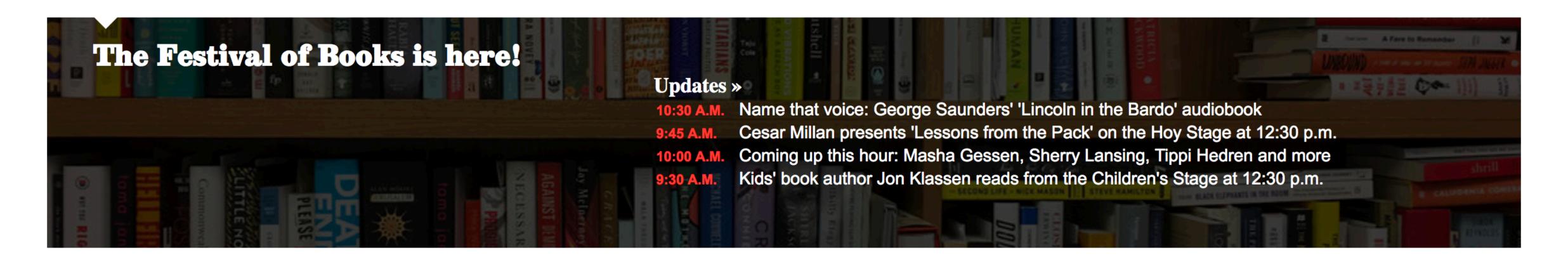






SATURDAY APR. 22, 2017 BOOK FESTIVAL LOCAL POLITICS SPORTS ENTERTAINMENT OPINION PLACE AN







L.A. NOW

Giving driver's licenses to those here illegally transformed many lives. Then came Trump

By Benjamin Oreskes and Ruben Vives

The president's crackdown on illegal immigration has spawned worries that the licenses will be used to identify and deport people.



SCIENCE 10.40 AM

L.A. March for Science updates: Thousands are expected in downtown. And they're not alone

Weekend Report

LATEST HEADLINES >

WORLD 9:00 AM

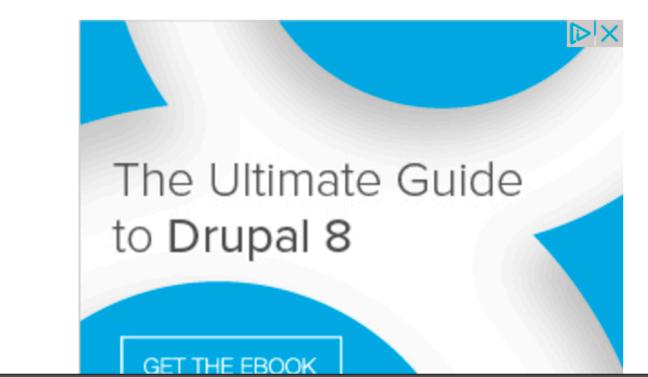
Militants in army uniforms kill more than 100 Afghan soldiers at northern base, officials say



L.A. NOW 9:35 AM

Teen allegedly kidnapped by teacher suffered 'severe

CLIPPERS 8:55 AM



TRAFFIC Southbound I-5 lanes have reopened near NE 130th Street in North Seattle. Northbound lanes remain closed.

Police say robbery suspect was killed by Seattle officers' gunfire WATCH

Southbound lanes on Interstate 5 reopen in North Seattle, after power lines fall across highway Updated 10:44 am

With deadlock in Olympia, Inslee calls special session

Boeing issues new layoff notices to 429 workers in Washington state

Felony DUI bill and gunsafety measure pass Legislature

More traffic snarls this weekend, and westbound I-90 is the hot spot

American flight attendant to angry passenger: 'Hit me'

Updated 10:19 am

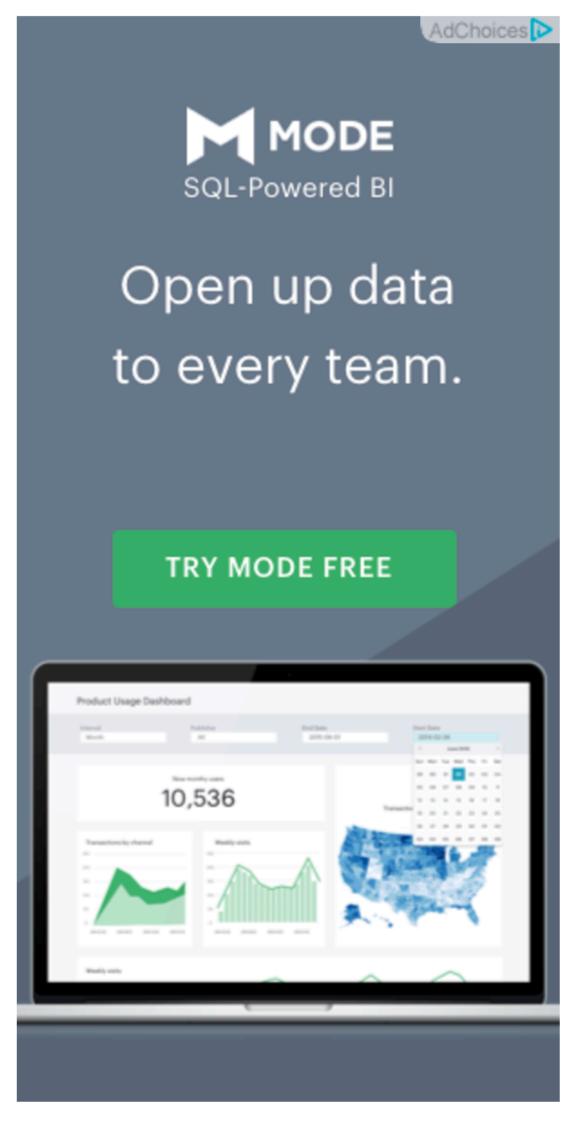


The rebuilding of 23rd Avenue in Seattle's Central District is among the projects that benefited from the Move Seattle transportation levy. (Ken Lambert / The Seattle Times)

Traffic Lab

Seattle transportation levy spending less than projected, but city says no problem

After voters passed the Move Seattle transportation levy in 2015, Seattle spent less than half the money planned for levy projects last year. But the city says it's still on track to complete projects on time.

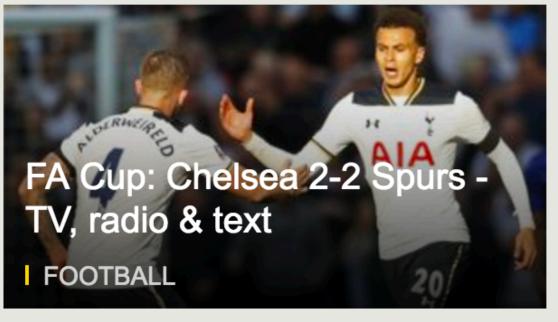




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News



Tension as German rightwingers meet

Thousands of leftwing demonstrators



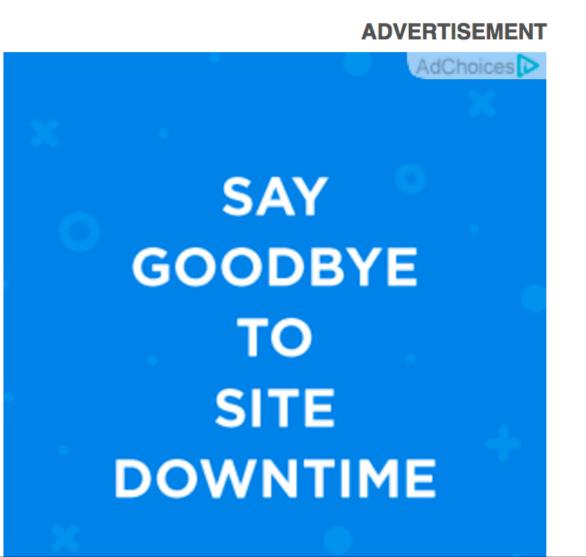
Airline apologises after clash over pram

An American Airlines employee is



'Angry Police Wives' protest in Paris

More than 100 wives and partners



headlines

Saturday 22 April 2017



17:00 20:00 23:00 02:00 54°F 52°F 47°F 45°F

East Providence

March for Science puts Earth Day focus on global opposition to Trump

More than 600 marches held around the world, with organizers saying science 'under attack' from a White House that dismisses the threat of climate change

44

Photos / Ten of the best March for Science signs



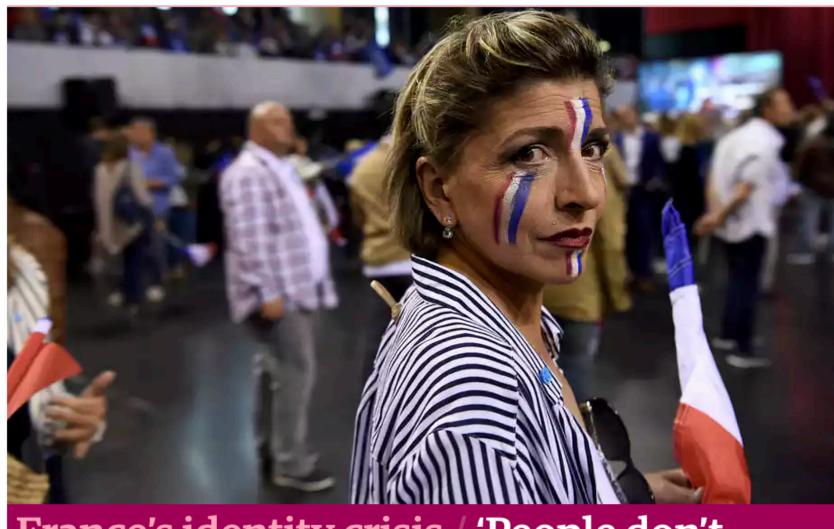
Bill Nye on Trump / 'We are in a dangerous place'

Opinion / Science is threatened.
Protest is the right response



≡ browse all sections

Congress / Daunting tasks include avoiding shutdown and an angry Trump



France's identity crisis / 'People don't know what to think any more'

France votes on Sunday in a presidential election shaped by economic insecurity, cultural paranoia and terrorism. **Natalie Nougayrède** travels to the south-west to try to make sense of the most important vote of her life



Rodney King riots 25 years later / A view from the corner where it all began

Blame Canada / Trudeau forced on defensive as Trump targets trade

Theresa May / Election

Afghanistan / US forces say Taliban 'target of interest' since 2011 killed

American Airlines / Company apologises to woman hit with buggy by crew member

Bonobos / As more buy clothes online, Walmart eyes a piece of the action

Declaration of Independence

/ Rare parchment copy found in England

115

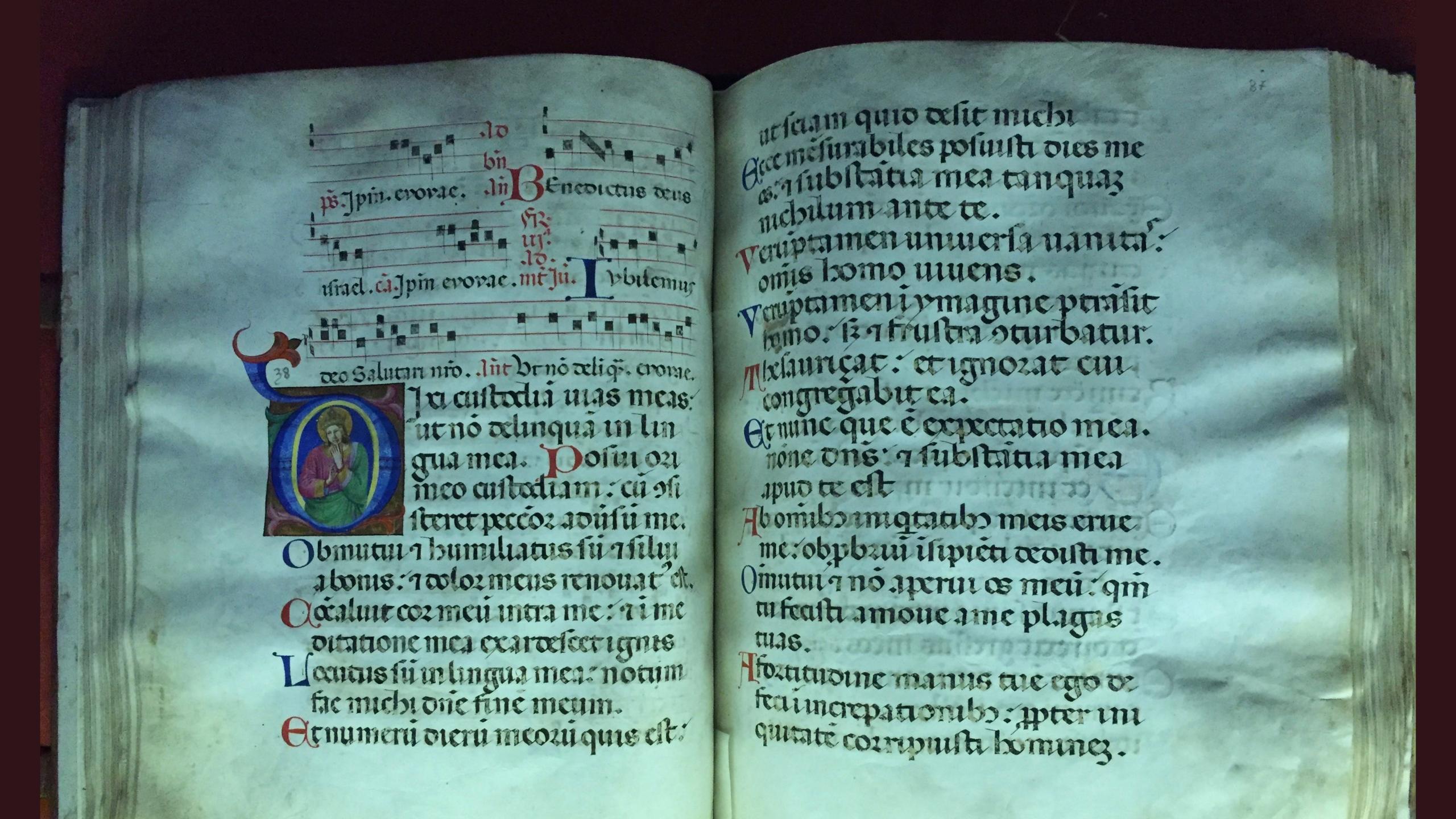


Read more \rightarrow

Nights spent at

All system, no soul

Let's get graphic design back in the room



Typography is design

Typography is communication

Typography is an intentional act

FINANCE &MARCHES

+1,61%

rachat par la société de 51 % du chillien Centrovet, spécialiste des soins aux poissons

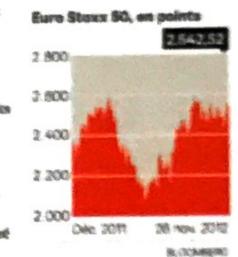
-4,35%

BARCLAYS

La banque bettarmique a chuté après que Qutar Holding a monétisé des bons de souscription sur les titres Barclays ides warrants) qu'il détennit.

LES BOURSES EUROPÉENNES DEPRENNENT LEUR SOUFFLE

Les principaux marchés européens ont fini en repli. L'Euro Stoxx 50 a perdu 0.57 %, hier. Les investisseurs étaient prodents dans l'attente de la conclusion Finances de la zone curo consticrée à la Grèce. Les marchés reprenaient leur souffle après la forte hausse de la semaine dernière: l'Euro Stoxx 50 avait gagné

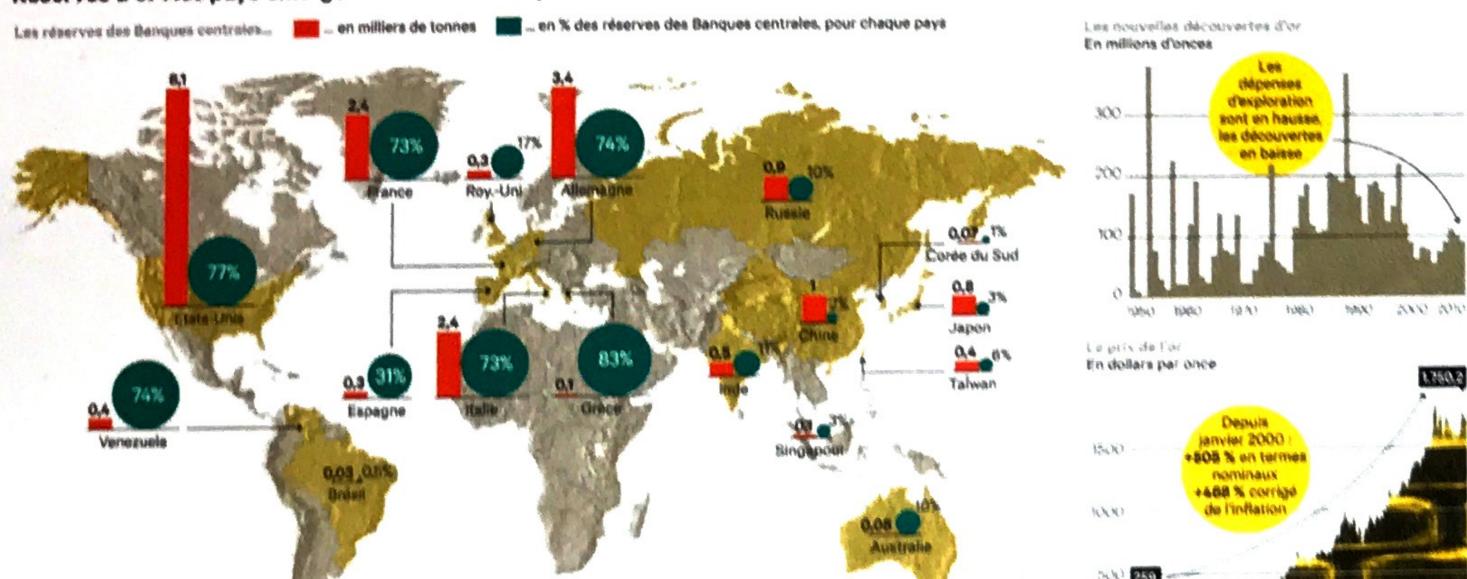


indices

L'or superstar de la crise : douze ans de croissance ininterrompue des cours

- Le prix de l'or a été multiplié par 6,5 en douze ans alors que la demande mondiale a doublé.
 Presque tous les feux sont au vert pour une treizième année de hausse de l'once d'or en 2013.

Réserves d'or : les pays émergents doivent rattraper leur retard



Les Echos Entreprises & Marchés



Singapour et l'Union européenne concluent un accord de libre-échange



crible

Les Echos





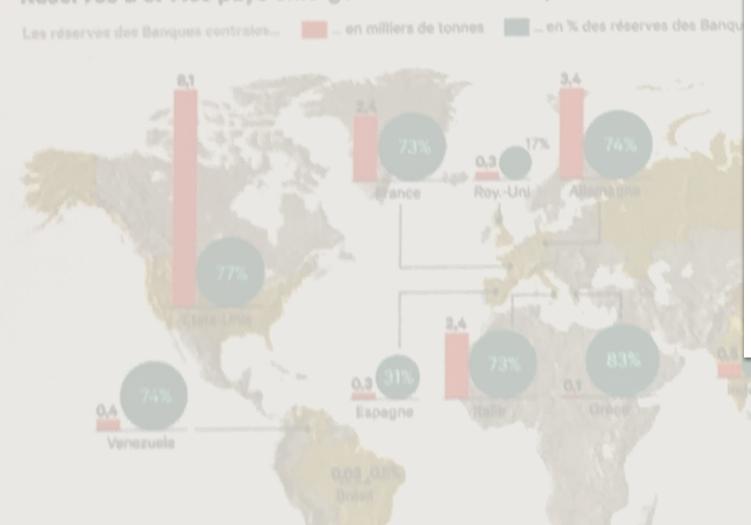
+1,61%

indices

L'or superstar de la de croissance ininte

• Le prix de l'or a été multiplié par 6,5 en douze ans alors qu • Presque tous les feux sont au vert pour une treizième ann

Réserves d'or : les pays émergents doivent rattraper leur retard



-4.35%

BARCLAYS

LES BOURSES EUROPÉENNES REPRENNENT LEUR SOUFFLE



Osborne's anti-green agenda splits Coalition

RyMichael Mecarthy and Oliver weight of the continuous and oliver weight of the continuous and oliver weight over the environment will emerge today when the Climate Change Secretary attacks the Chancellot, George Osberne, for the chancellot, George Osberne, for the carbon emissions.

Mr. Osborne for wowing that the UK should not lead Europe in its efforts to cut carbon emissions.

Mr. Osborne for the leader of an increasingly influential faction within the Cabinet willing to sacriflog green.

Special phone for hacking in 'NOTW'

EXCLUSIVE X

newsroom

Last throw of the dice: leaders on edge for day of euro-reckoning Hopes for today's eurozone summit on debt are wearing thin after a preliminary meeting of finance ministers was called off. But leaders (including Shiro Berluscon, Angels Merkel and Nicolas Barkozy) are none the less expected to thrash out an emergency plan in Brussels. Reports & analysts. PAGE 12

Les Echos Entreprises & Marchés







Defeat in Indian one-dayers cannot mask reality of a breakthrough year



Cardinals win World Series

– and restore America's
faith in the national pastime

RUPERT CORNWELL - THE GRAND OLD GAME HAS ENJOYED THE GREATEST OF SEASONS PIN



Tournez girouettes

crible

Les Echos



PARIS STAYS ON HIGH ALERT

The terror attack threatened to shake up the tumultuous presidential race, with conservatives poised to stoke hostility toward immigrants and Muslims. A Globe editor staying in Paris tells of her experience near the scene of the assault. World, 7.

SANCTUARY CITIES WARNED

The White House intensified its threats, saying law enforcement grants would be lost. Nation, 6.

CELTICS BOUNCE BACK

Boston came to life in Game 3 and hammered the Bulls, 104-87. It now trails the series 2-1. Sports.



'A lot of good things are happening.'

PRESIDENT TRUMP

Trump shrugs off the 100-day milestone

Calls it 'ridiculous' but scrambles on taxes, health care

By John Wagner

WASHINGTON — President Trump scrambled Friday to show progress on two leading priorities — health care reform and tax cuts ahead of his 100th day in office, even as he dismissed that marker as a "ridiculous standard" and suggested the media would judge him unfairly when he reaches it next week.

Trump told the Associated Press in an interview that he would release a tax package next week that would include reductions "bigger, I believe, than any tax cut ever." He provided no specifics but said he would outline his plan "Wednesday or shortly thereafter." He later sounded firmer about a Wednesday release dur-

ing an event at the Treasury Department.

That's just three days ahead of Trump's 100th day in office, a standard by which presidents are often measured for their immediate impact. Trump is also pushing the House to quickly pass a revised version of a bill to replace the Affordable Care Act, another Trump campaign promise that collapsed in stunning fashion last month.

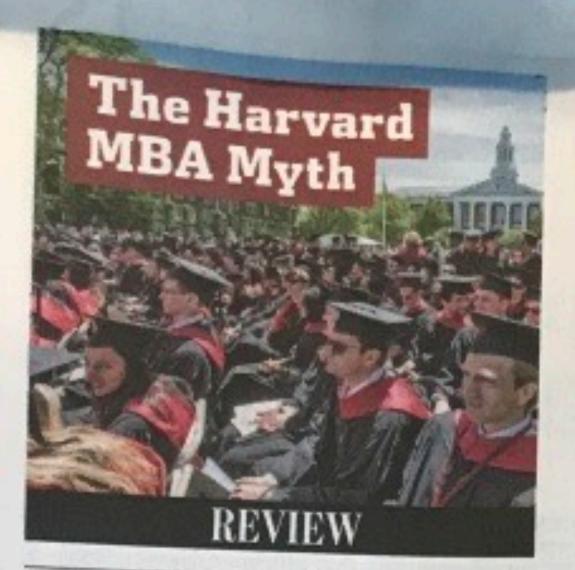
TRUMP, Page 10

State told to preserve Hernandez evidence

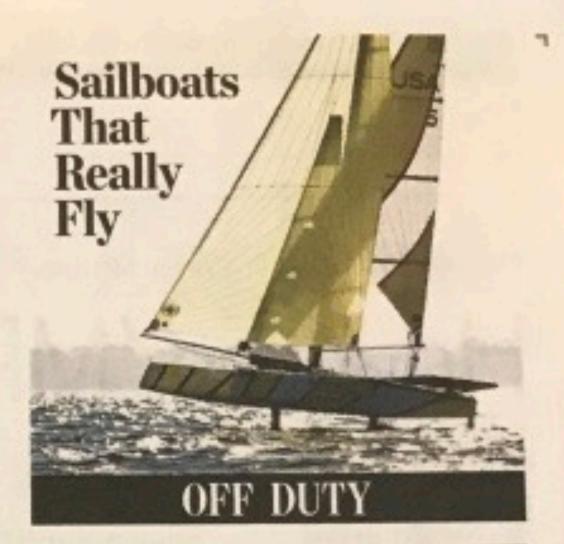
Family of former Patriot considers suing officials over his prison suicide

> By Travis Andersen, Evan Allen, and John R. Ellement

GLOBE STAFF



THE WALL STREET JOURNAL.



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WEEKEND

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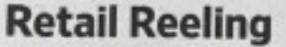
WSJ.com

What's News

World-Wide

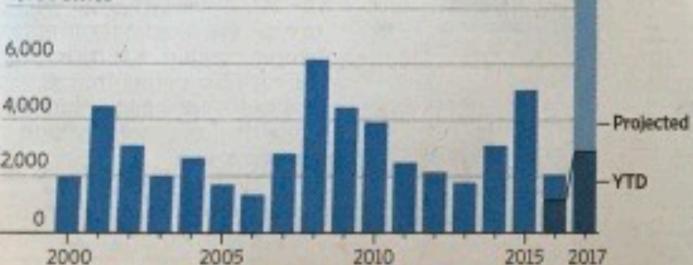
Prench authorities ques-I tioned the suspect in the Paris police shooting two months ago, officials said. The attack has jolted the presidential race. A1

- ◆ The Justice Department threatened to withhold funds from sanctuary cities if they don't cooperate with immigration officials. A3
- ◆ No lawmakers from the Southwest border region



U.S. retailers are on pace to close the most stores in more than a decade...

U.S. store closings 8,000 stores



...and they are adding fewer jobs.

U.S. retail employment, change from previous year

25% 20 15 10 March 2017 0.5 15.9 million ▲0.37% 2014

Smaller specialty chains such as Bebe and American Apparel are closing all their stores, while larger chains such as J.C. Penney and Sears are scaling back their footprint.

Rue21

Selected 2017 store closings, estimated

RadioShack

bebe

JCPenney American Apparel

Kmart

Total _ Stores

sears

Trump Rebuffs Exxon on Russia

BY JAY SOLOMON AND BRADLEY OLSON

WASHINGTON-President Donald Trump, whose family and political aides have faced scrutiny over their ties to Russia, rejected a bid by Exxon Mobil Corp. to sidestep U.S. sanctions against Moscow and resume an oil venture with a politically powerful Russian energy firm.

"All the News That's Fit to Print"

Che New Hork Eimes

New England Edition

Today, stray morning showers, cloudy, seasonable, high 55. Tonight, mostly cloudy, low 42. Tomorrow, clouds break for sunshine, high 56. Weather map appears on Page Al5.

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SATURDAY, APRIL 22, 2017

\$2.50

ATTACK IN PARIS CASTS A SHADOW ON FRENCH VOTE

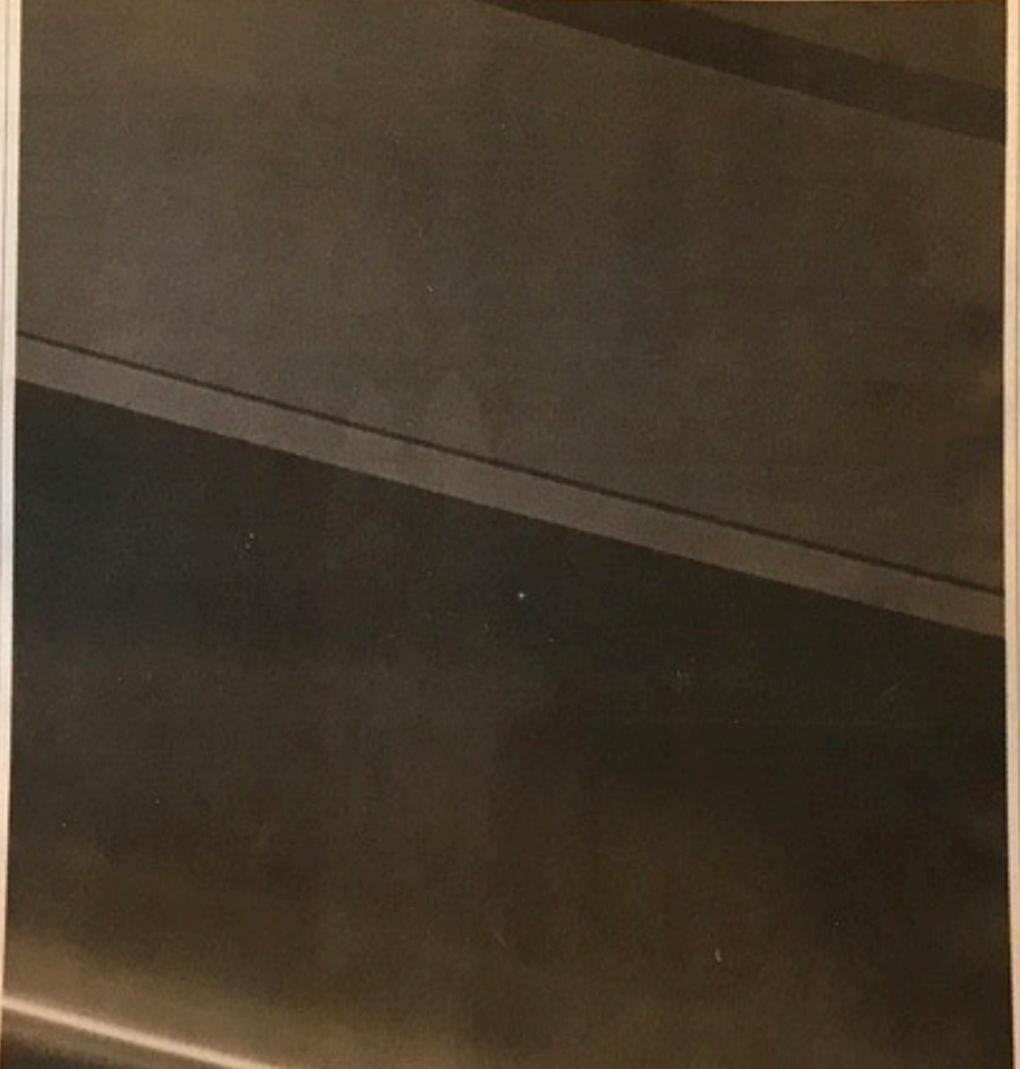
TOP CANDIDATES JOCKEY

Le Pen Seizes Moment, but Others Could See Gains

By ADAM NOSSITER

PARIS - It has almost become routine in France: A terrorist attack shatters the rhythms of daily life, bringing bloodshed and anguish. The assailant turns out to be someone known to the authorities. What is different now is the timing, as Paris is again on high alert, less than 36 hours before the country goes to the polls on Sunday in one of the most tumultuous and unpredictable presidential races in memory.

The brazen assault on Thursday by Karim Cheurfi, 39, a French national with a history of violence, left one police officer dead on the sidewalk of the Champs-Élysées. It has also provided a potent opportunity for conservatives, primarily Marine Le Pen, leader of the far right National Front, to use the violence to



Nebraska Race Reveals Divide For Democrats

Economic Issues Versus Abortion Rights

By JONATHAN MARTIN

WASHINGTON - Rarely has a municipal election in a midsize city ignited such a fierce national debate over what defines a Democrat. But the election this spring for mayor of Omaha is pitting abortion rights activists against economic populists and threatening the party's unity as it regroups to confront President Trump.

Part of the twist: The populist side's standard-bearer, Senator Bernie Sanders of Vermont, is not even a Democrat.

"This is very raw," said Randi Weingarten, the head of the American Federation of Teachers, conceding that "after the presidential election, there is still this ongoing debate about identity politics versus economic opportunity.

Mr. Sanders and the new leadership of the Democratic National Committee touched a party sore spot this week when they took their "Unity Tour" to Omaha to rally for a mayoral candidate who opposes abortion rights. Mr. accomplish-Sanders, repurposing the themes ments before of his presidential bid, told a his 100th day in

TRUMP PROMISES TAX PLAN IN DAYS, SURPRISING STAFF

VOWING A 'MASSIVE' CUT

No Details - Officials Try to Temper Hopes as Fight Looms

By ALAN RAPPEPORT and MICHAEL D. SHEAR

WASHINGTON - President Trump promised on Friday that he would unveil a "massive" tax cut for Americans next week, vowing a "big announcement on Wednesday," but he revealed no details about what is certain to be an enormously complicated effort to overhaul the nation's tax code.

Mr. Trump offered his tax tease

in an interview and again during remarks at the Treasury Department on Friday afternoon as he raced to stack up legislative



irump







Cannabis voor MS-patiënten

Nathalie De Meyer: 'Nu sta ik er elke dag voor mijn zoon'



EU delibereert Belgische begroting na smeekbede

Regering engageert zich voor structurele hervormingen Toegeven aan sociaal protest lijkt nu onmogelijk

En nu ook betogen teger Europa?

LIEVEN DESMET EN BART EECKHOUT

België krijgt vandaag van Europa groen licht voor zijn begroting, zo bevestigen bronnen binnen de Belgische regering en de Europese Commissie. Daarvoor heeft het vorige vrijdag nog wel een 'smeekbede' moeten schrijven aan de Commissie met nadruk op de hervormingen

Nieuwe vakbondsacties na Nieuwjaar

De kans is groot dat er na de nationale stakingsdag op 15 december nieuwe vakbondsacties volgen. Dat zeggen bronnen bij zowel het ACV als het ABVV. De bonden staan open voor overleg, maar ze maken zich weinig Illusies dat de werkgevers en de regering bereid zijn een opening te maken. De tijd is beperkt, want de eerste actiegolf loopt

binnen een tweetal weken af.

"Als de zaken blijven zoals ze nu zijn, hebben we geen andere keuze dan onze acties verder te zetten", zegt Ferre Wyckmans van ACV. Wat de acties zullen inhouden is nog niet bekend, maar een tweede stakingsgolf is twijfelachtig. "Wie gaan ook niet woekeren met onze krachten", zegt een AlfVV-topper. De liberale vakbond wil nog geen uitspraken doen over wat er na de natio-

plianor', vrij vertaald: met de hakken over de sloot, zonder procedurele gevolgen. "Er zal wel een strikte opvolging gebeuren van de engagementen", klinkt het.

Strenge bondgenoot

Dut strenge Europese toezicht heeft ook binnenlandse gevolgen. Het geeft de federale regering immers amper marge om het sociale protest tege-

Met de kwalificatie 'At risk of non compliance' verkeert ons land in het gezelschap van nog zes andere lidstaten: Frankrijk, Italië, Spanje, Malta, Portugal en Oostenrijk. Al bij het indienen van de begrotingen midden oktober was al duidelijk dat Frankrijk, Italië en België onder de loep zouden worden genomen. Parijs ziet zijn financieringstekort dit jaar op zowat 4,5 procent uitkomen, ruim boven het plafond van 3 procent. Rome kijkt







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WOCHENZEITUNG FÜR POLITIK WIRTSCHAFT WISSEN UND KULTUR



»Krebs – das hat mir noch gefehlt«



Helmut Dietl über seinen Kampf um Leben und Tod

Dossier, Seite 15



Anna Netrebko, Placido Domingo: »Oper macht glücklich«

GROSSE KOALITION

Ahoi Freunde!

SPD und CDU sind sich einig. Unfassbar, wofür so ein Koalitionsvertrag alles gut sein soll von Bernd ulrich

Aus Schwäche stark

Auch wenn Netanjahu die Einigung mit dem Iran kritisiert: Israel hat den Durchbruch erst möglich gemacht von jörg lau



This is where graphic design gets involved

A more modern redux



Designer Author Editor

A more modern redux



Author Editor Designer

The Winter Olympics Gear Guide



The New York Times has been doing a great job covering the 2014 Winter Olympics, but also a spectacular job of giving the games a bit more context. Their Interactive Stories help explain the details of the events, especially for ones that can feel a bit more cryptic. I also really enjoyed their

HOME

MONKEY NUTS, BARMBRACK AND APPLES

by JEREMY KEITH

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I grew up in Ireland, the home of Halloween.

I know that it seems like a quintessentially American holiday, but Halloween has its roots in the Celtic feast of Samhain. The Americans embraced and extended Halloween, adding the tradition of trick-or-treating, which in turn made its way back to Ireland.

I spent many of my childhood Halloweens trick-or-

And what of this barmbrack of which I speak? That was a cakey bread that my aunt would bake. It was filled with raisins and much more besides. An inventory of the ingredients would reveal such incongruous items as a pea, a coin, a stick, a rag, and a ring. If you found one of those items in your slice of barmbrack, it prophesied your future. The rag meant that you would be poor, but the coin promised a life of riches. If you got the ring, you would be getting married soon, but if you got the pea, then your marriage prospects were bleak. Oh, and the stick: that meant you were going to beat your wife.

Apples were omnipresent at Halloween, which is unsurprising given that it was apple season. Of course we indulged in the game of bobbing for apples, but there was another game we played in Kerry called Snap Apple. In this game, an apple was suspended from a string. Holding your hands behind your back,



HOME

ARTICLES

PORTFOLIO

READING

BOUT



by MIKE MONTEIRO

It's January of 1979 and we're sitting inside the Plymouth Fury outside an AM/PM Mini Market

CHOCOLATE IS FOR GIRLS



by JESSICA HISCHE







An altar in Jameelah El-Shabazz's apartment in the Bronx. El-Shabazz had to repeatedly fight to keep her apartment after police

Shabazz, her teenaged sister Najah El-Shabazz, and Shakoor, then 21, and took them outside past the handcuffed residents of four other apartments that were raided that morning.

Najah was released, court filings say, but Jameelah El-Shabazz and Shakoor sat in cells on Rikers Island for the next week awaiting the results of police lab tests. Finally, the results confirmed what she had told the officers all along: the wooden tray and the 45 paper cups of powder were drug-free. Jameelah El-Shabazz and Shakoor were released from Rikers and fully exonerated.

But El-Shabazz's battle with New York's legal system was only beginning. That September, another of her sons called to say the police were back, this time with a lawyer and a court order to seal the Bronx apartment. Her entire family had to leave — immediately.

El-Shabazz was facing a nuisance abatement action, a little-known type of lawsuit that gives the city the power to shut down places it claims are being used for illegal purposes. The case against her was based on the same drug allegations that had been dismissed in May. Incredibly, the filing, signed by a New York Police Department attorney, stated:

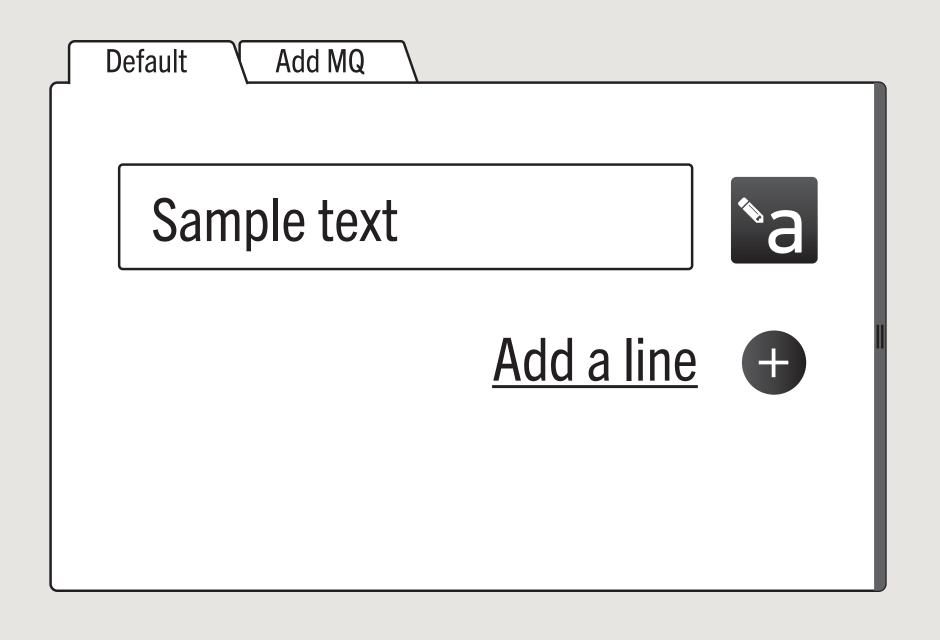
"recovered during the execution of the coarch

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The CMS can play a part in design, too

And now for something completely different

it's demo time



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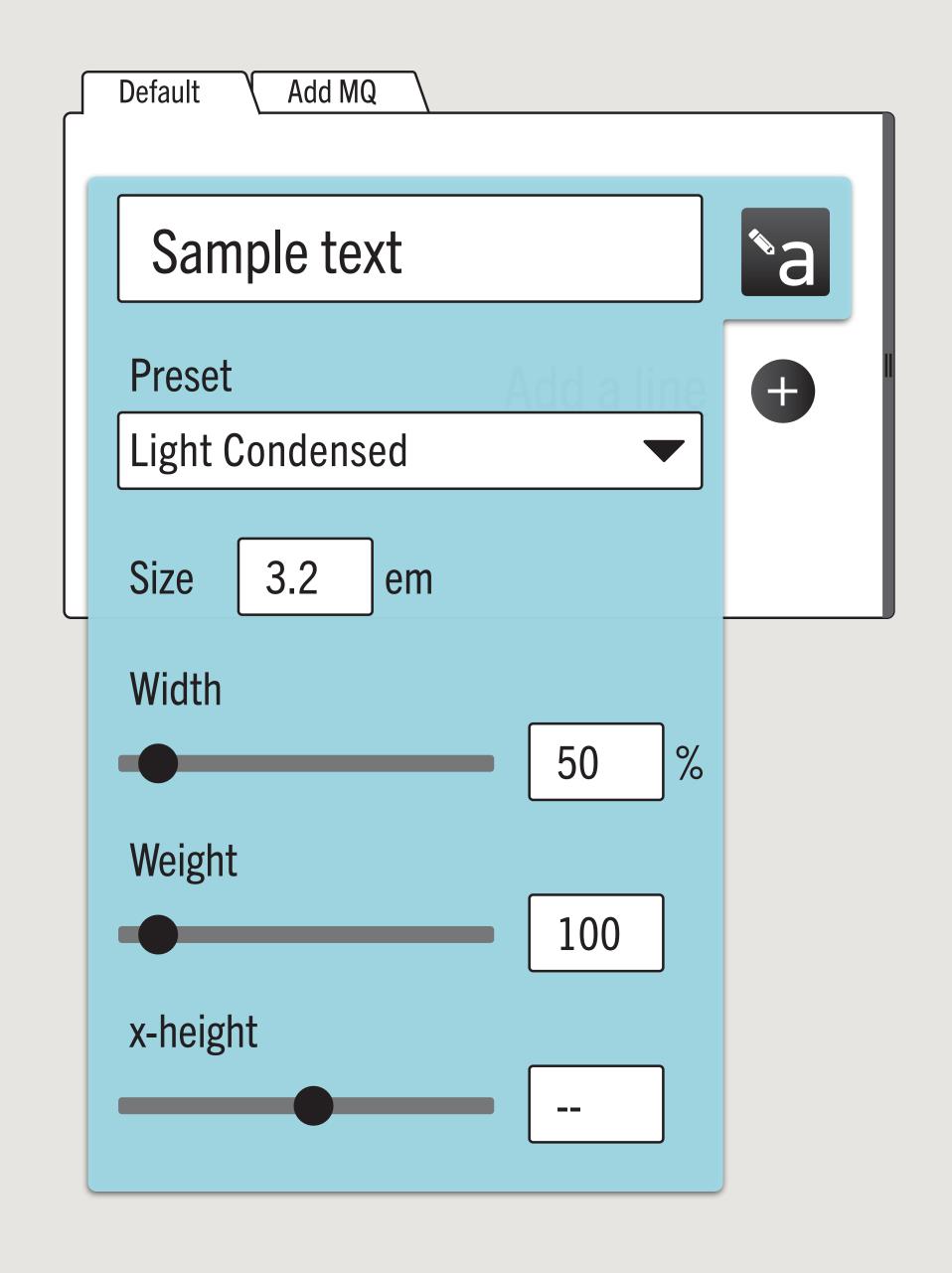
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