

Lecture based on Thinking with Type, 2nd Edition, 2010, available from Princeton Architectural Press

## TYPE BASICS

## Size and Scale

32-pt scala pro 32 -pt interstate regular
When two typefaces are set in the same point size, one often
looks bigger than the other. Differences in $x$-height, line weight,

and set width affect the letters' apparent scale. | Mrs Eaves rejects the twentieth-century appetite |
| :--- |
| for supersized $x$-heights. This typeface, inspired |
| by the eighteenth-century designs of Baskerville, |
| is named after Sarah Eaves, Baskerville's |
| mistress, housekeeper, and collaborator. |
| The couple lived together for sixteen years |
| before marrying in 1764. |

The perceived size of a typeface is a function of its $x$-height as well as its cap height.

## 

The x-height of a typeface affects its apparent size, its space efficiency, and its overall visual impact. Like hemlines and hair styles, $x$-heights go in and out of fashion. Bigger type bodies became popular in the midtwentieth century, making letterforms look larger by maximizing the area within the overall point size.
I2/I4 HELVETICA

Typefaces with small x-heights, such as Mrs Eaves, use space less efficiently than those with big lower bodies. However, their delicate proportions have lyrical charm. i2/I4 MRS EAvEs

Like his lovely wife, MR EAVES has a low waist and a small body. His loose letterspacing also makes him work well with his mate.

I2/I4 MR EAVES

# THE WORLD IS FLAT 

TYPE CRIME

Minimal differences in type size make this design look tentative
and arbitrary.

## THE WORLD IS FLAT

## SCALE CONTRAST

The strong contrast between type sizes gives this design dynamism, decisiveness, and depth.


United nations' office on drugs and crime (unodc)
Maps, 2009. Design: Harry Pearce and Jason Ching/ Pentagram. This series of posters for the United Nations' Office on Drugs and Crime uses typographic scale to compare drug treatment programs, HIV incidence, and other data worldwide. The designers built simple world maps from country abbreviation codes (GBR, USA, RUS, etc.). Note Russia's high incidence of HIV and low availability of addiction rehabilitation programs.

TYPE BASICS
Mixing Typefaces

Emerald Green AQUAMARINE

Dark Olive Green

BLOOD RED

MRS AND MR EAVES

## MIXING TYPEFACES

Example using Trilogy Sans ExtraBold Compressed small caps,
Medium, Heavy Condensed; Egyptian ExtraBold, Heavy Wide,
Bold, Bold Wide; FatfaceWide
(after JProcter, c.1859)

Ticket of.Admittance, WITHIN THE ENCLOSURE, TO VIEW THE
CEREMONY.

## One Shilling

The Money raised by these Tickets will be applied to defray the expences of the Day.
W. Pratt, Printer, Stakesley

Example using Trilogy Sans Wide; Egyptian ExtraBold Wide;
Fatface Regular with swash and alternate forms
(after W Pratt, c.1820)


JPROCTER, PRINTEER, HARTLEPOOL.

# Noodles with Potato Sauce <br> helvetica neue 56 medium and helvetica neue 75 bold 

## TYPE CRIME

These typefaces are from the
same family, but they are too
close in weight to mix well.


TYPE CRIME: WHO'S ACCOUNTABLE FOR THIS?

## MIXING TYPEFACES

SMALL＋HEAVY：
EGYPTIAN BOLD CONDENSED， a Linotype font based on a typeface from 1820．This quirky， chunky face has been used intermittently at New York Magazine since the publication was first designed by Milton Glaser in the 1970s．


EDITED BY EMMA PEARSE

## EVENTS

BENOIT DENIZET－LEWIS
凹（5） 2
The Powerhouse Arena， 37 Main St．，nr．Water St．，Dumbo （718－666－3049）
The writer from The New York Times Magazine reads from American Voyeur：Dispatches From the Far Reaches of Modern Life，a collection of his analytical reportage on everything from pro－life summer camps to the clothing company Abercrombie \＆Fitch； $1 / 13$ at 7 ．

## SOUTHERN WRITERS READING SERIES

Happy Ending Lounge， 302 Broome St，nr．Forsyth St．（212－334－9676） An open mike for writers from below the Mason－Dixon line，where they＇ll read and discuss（and drink）all things southern； $1 / 13$ at 8 ．

## SUZE ORMAN

凹（5）$\triangle$
Barnes \＆Noble，33 E．17th St．，nr．Broadway（212－253－0810）
The high priestess of financial invincibility presents her latest，Women and Money：Owning the Power to Control Your Destiny；1／14 at 7.

## MARY JO BANG <br> 『（5）Ca

McNally Jackson， 52 Prince St．，nr．Mulberry St．（212－274－1160）
Two poets in one room：Susan Wheeler hosts a discussion with the spectacularly named National Book Critics Circle Award winner， whose latest collection is titled The Bride of E；1／14 at 7 ．

JOYCE CAROL OATES AND ELAINE SHOWALTER RaM－ 92 nd St．Y， 1395 Lexington Ave．（212－415－5500）
What two better authorities to discuss wr－
occasion of the publication of Shr
history of American women w ${ }^{-}$
11 a．m．
PATTI SMITH
Barnes \＆Nohl－－
Thr
the word：new york magazine Design：Chris Dixon， 2010. This content－intensive page detail mixes four different type families from various points in history，ranging from the early advertising face Egyptian Bold Condensed to the functional contemporary sans Verlag．These diverse ingredients are mixed here at different scales to create typographic tension and contrast．

## Look for contrast when mixing typefaces．

TYPE BASICS
Leading/Line Spacing

The distance from the baseline of one line of type to another is called line spacing. It is also called leading, in reference to the strips of lead used to separate lines of metal type. The default setting in most layout and imaging software is I20\% of the type size. Thus ro-pt type is set with i2 pts of line spacing. Designers play with line spacing in order to create distinctive layouts. Reducing the standard distance creates a denser typographic colorwhile risking collisions between ascenders and descenders.

6/6 scala
(7 pt type with 7 pts line spacing, or "set solid")

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$6 / 8$ scala
$(6 \mathrm{pt}$ type with
8 pts line spacing)

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6/i2 scala
( 6 pt type with
I2 pts line spacing)

## Designers adjust line spacing to create different textures.

## IINE SPACING: EXPERIMENTA工

interminável do embarque, decido respirar um pouco e procurar o sr. Creso com mais calma, outra hora

## PISO OCIDENTAL EMBARQUE

A área de embarque é chamada de "aquário": um longo corredor com paredes e portas de vidro que separam o pré-embarque das platafor mas. O ônibus estaciona nas baias, lá fora, e um funcionário abre as tais portas de vidro, chamando os passageiros. Só então eles passam à região do embarque. Protegem-se, assim, os demais usuários da fuma ça emitida pelos veículos, em parte absorvida por um enorme tubo exaustor pintado de amarelo.

Em pé, na plataforma 1, enxerga-se o corredor inteiro, até o fim. Em primeiro plano, um relógio de ponteiros e uma larga escada em caracol que leva ao piso superior. No vão embaixo da escada, algumas lanchone tes e lojas de miudezas encaixam-se com perfeição. De ambos os lados, indicados ao longo do corredor, sucedem-se os números das plataformas 1 a 50 , pintados de branco dentro de quadrados verdes, sobrepondo-se ligeiramente uns aos outros como em uma agenda telefônica.

Há poucas crianças vagando pela área. Em compensação, são muitos os seguranças, funcionários de limpeza e vendedores de bebidas caminhando com seus carrinhos. A maioria dos passageiros é compos
ta de adultos que esperam em pé, pois não há lugar para sentar (apenas quatro cadeiras de plástico laranja diante de cada plataforma). Consegue-se escutar remotamente o som dos alto-falantes que tocam "Ovelha negra" em versão acústica e diversas músicas instrumentais, para dar a impressão de que o terminal é calmo. "Mas só pra dar a impressão, mesmo", brinca um dos fiscais da Socicam

Antes da primeira plataforma par, ergue-se uma sala VIP, como a dos aeroportos. É um espaço envidraçado voltado exclusivamente para o bem-estar dos passageiros das empresas Cometa, 1001 e Catarinense, em viagens a Santa Catarina, Paraná, Rio de Janeiro e Minas Gerais. A abertura das portas é automática e o usuário é recebido por duas moças de saia azul, salto alto e lencinho amarelo, que conferem os bilhetes e aconselham os passageiros a se sentir em casa. Nas paredes, pôsteres de capitais: Curitiba, Florianópolis, São Paulo e Belo Horizonte. No teto, a pintura de um céu azul-escuro com estrelas e o cometa Halley, símbolo da Viação Cometa. Há longas fileiras que somam ao todo 160 cadeiras estofadas em dois tons: marrom-terra e azul-marinho, sob o piso limpíssimo e brilhante. Há duas TVs sintonizadas no canal Globo News, duas máquinas de café e chocolate, uma máquina de refrigerante, quatro aparelhos de ar-condicionado e um galão de água gelada ou natural, "vestido" com um pano branco onde
o livro amerelo do terminal Book spread, 2008. Designer: Vanessa Barbara with Elaine Ramos and Maria Carolina Sampaio. Publisher: cosac naify.

## Staggered lines with extreme spacing allow lines of type to show through from the other side.



VISIONARY CITIES: THE ARCOLOGY OF paolo soleri. Book, i970. Design: Paolo Soleri. This classic work of postmodern design uses ultra-tight line spacing to create dramatic density on the page. Produced long before the era of digital page layout, this book exploited the possibilities of phototypesetting and dry transfer lettering.


The designer has created an extreme texture with ultra-tight line spacing.

## IINE SPACING: EXPERIMENTA工

$$
\begin{array}{r}
\text { KATHERINEmCCOY } \\
\text { MICHAEL } \\
\text { mCCOY }
\end{array}
$$

A:tscience
Nothing pulls you into the territory between art and science quite so quickly as design. It is the borderline where contradictions and tensions exist between the quantifiable and the poetic. It is the field between desire and necessity. Designers thrive in those conditions, moving between land and water. A typical critique at Cranbrook can easily move in matter of minutes between a discussion of the object as a validation of being to the precise mechanical proposal for actuating the object. The discussion moves from Heidegger to the "strange material of the week" or from Lyotard to printing technologies without missing a beat. The free flow of ideas, and the leaps from the technical to the mythical, stem from the attempt to maintain a studio plat- form that supports each student's search to find his or her own voice as a designer. The $n$ ece studio is a hothouse that enables students daculty to encounter their own visions of the world and act on them - a
rocess that is at times chaotic, conflicting, and occasionally inspiring.
Watching the process of students absorbing new ideas and influences, and the incredible range of in- terpretations of those ideas into design, is an annual experience that is always amaz- ing. In recent years, for example, the de-

## discourse parment has had the experience of watching wood cratitsmen

 metamorphose into high technologists, and graphic designers . sonal vision to an area that desperately needs it. The messiness of human experience is warming up the cold precision of plora il s t technology to make it livable, and lived in. Unlike the Bauhaus, Cranbrook never embraced a singular teaching method or philosophy, other than Saarinen's exhortation to each student to find his or her own way, in the company of other artists and designers who were engaged in the same search. The energy at Cranbrook seems to come from the fact of shouldn't it have all the complexity, vari- ety, contradiction, and sublimity of life? Much of the work done at Cranbrook has been dedicated to changing the status quo. It is polemical, calculated to ruffle designers' feathers. And
Dano...ousrigorous

## A complex yet readable effect is created by experimenting with line spacing.

TYPE BASICS
Alignment

Text is an ongoing sequence of words,
distinct from shorter headlines or captions.
The main block is often called
the "body,"
comprising the principal mass of content.
Also known as "running text,"
it can flow from one page, column, or box to another.
Text can be viewed as a thing
-a sound and sturdy object-
or a fluid poured into the containers of page or screen.
Text can be solid or liquid,
body or blood.

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## Fach basic mode of alignment has distinct characteristics and typical uses.

## ALIGNMENT

weigh every day whether he can continue to effectively run the world's largest military.
"Of course he has given consideration to it, and the reason he does is because he's a very responsible public servant," said Victoria Clarke, Mr. Rumsfeld's former spokeswoman, who has talked to him regularly in recent days. "People with less responsibility would be thinking about themselves. He's not thinking about himself. What he thinks about constantly is what is best for the military and what is best for the country."

Mr. Rumsfeld himself said as much in public testimony to Congress last week. "If I felt I could not be effective, I'd resign in a minute,"
risar
Feder Sessiol said th fense each o
"Th sions, ices C heard picture versat such a to ma comm But who ha off for who m Repub the fu:

## ALIGNMENT

, TUSCALOOSA, Ala. - After white parents in this racially mixed city complained about school overcrowding, school authorities set out to draw up a sweeping rezoning plan. The results: all but a handful of the hundreds of students required to move this fall were black-and many were sent to virtually allblack, low-performing schools.

Black parents have been battling the rezoning for weeks, calling it resegregation. And in a new twist for an integration fight, they


Kendra Williams and other black parents argue that the plan violates federal law.
are wielding an unusual weapon: the federal No Child Left Behind law, which gives students in schools deemed failing the right to move to better ones.
"We're talking about moving children from good schools into low-performing ones, and that's illegal," said Kendra Williams, a illegal," said Kendra Williams, a
hospital receptionist, whose two children were rezoned. "And it's all about race. It's as clear as all about race. It's as clear as
daylight."
Tuscaloosa, where George
Wallace once stood defiantly in
the schoolhouse door to keep blacks out of the University of Alabama, also has had a volatile Three decades of federal deseg-
Three its public schools. regation marked by busing and white flight ended in 2000 . Though the city is 54 percent white, its school system is 75 per cent black.
The schools superintendent and board president, both white, said in an interview that the rezoning, which redrew boundaries of school attendance zones, was a color-blind effort to reorganize the 10,000 -student district around community schools and relieve overcrowding. By optimizing use of the city's 19 school buildings, the district saved taxpayers millions, officials said. They also acknowledged another goal: to draw more whites back into Tuscaloosa's schools by making them attractive to parents of 1,500 children attending private ordered desegregation began.
"I'm sorry not everybody is on board with this," said Joyce Levey, the superintendent. "But the issue in drawing up our plan was not race. It was how to use our buildings in the best possible way." Dr. Levey said that all students forced by the rezoning to move from a high- to a lowerperforming school were told of their right under the No Child law to request a transfer.
When the racially polarized, eight-person Board of Education approved the rezoning plan in May, however, its two black Continued on Page A15



## Veto Risk Seen In Compromise On ChildHealth

## By ROBERT PEAR

WASHINGTON, Sept. $16-$ Senate and House negotiator on a framework for a compro mise bill that would provide health insurance to four million uninsured children while relaxing some of the limits on eligibility imposed by the Bush administration.
The compromise, which resembles a bill passed by the Senate with bipartisan support, sets the stage for a battle with President Bush, who has denounced similar legislation as a step "down the path to government-run health care for every American."
Tony Fratto, a White House spokesman, said Sunday, "The House and the Senate still appear to be far away from legislation that we would find acceptable."
Republicans will come under political pressure to support the compromise. But if the president vetoes it, he will probably have enough votes in the House to sustain his veto, Republicans say.
The compromise would in crease tobacco taxes to finance health insurance for more children.
Congressional aides worked through the weekend to meld the

Continued on Page Al6
INSIDE

## SPECIAL TODAY

## Business Travel

With summer's airport delays threatening to become a yearround phenomenon, frequent travelers are sizing up their alternatives.

SECTION H



Yale to Return Artifacts
Yale University has agreed to return artifacts to Peru that were return artifacts to Peru that were Yale explorer in 1912 Picchu by a Peru contends were merely on loan. THE ARTS PACE

Two Sides, Common Goals The head of the United Autonobile Workers and the chief of General Motors share a goal in heir contract talks: the survival
O. J. Simpson Arrested O. J. Simpson was charged with six felonies in connection with a reported armed robbery of Vergas hotel rabo iina in a Las night, the police said PaC

Emmy for 'Entourage'
At the 59th Primetime Emmy Awards, Jeremy Piven of the HBO series "Entourage" won for outstanding supporting actor in a

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Updated news: nytimes.com

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Justified text usually looks bad on the web.

## ALIGNMENT

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| International Typographic Style Flickr Group | Recent Comments |
| Wim Crouwel Flickr Group |  |
| iPhone Web Clip Icons | Morgan Smail: League's typesetting and grid structure's are so very nice and elegant and yet still so... |
|  | Evan: Amazing Antonio, I'm obsessed with this board, I emailed Buddy to hold one for me cause I can't pay... |
|  | Chris Robinson: Excellent article, definitely going to implement this into future work. |
|  | nitrofurano: one wallpaper done with Helvetica as well (made on Inkscape running on Ubuntu Linux) -... |

## Thinking for a Living

## Thinking for <br> $a$ Living ${ }^{\text {m }}$ <br> An ever-growing platform dedicated to open source design education.

## Featured Articles

8 Simple Ways to Improve Typography In Your Designs

10 Principles That Might Make Your Work Better
Enotmik Font Now Available
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Interview with Sharebrain
Designing Grid Systems For Flash
Grids In The Real Worid
Intervista: Experimental Jetset
Intervista: Build
Intervista: Duane King
NetNewsWire Style Version 2.5

Colophon

Made on a Mac
Set in Helvetica
Themed in HemingwayEx
Hosted by Media Temple
Published with Wordpress

On this web page, rules create clean columns on the page without requiring justified text.

## ALIGNMENT: EXPERIMENTAI

## Grandma! Grandma! Look at me! I did it!" Oval yelled from the water, her youth taut

 as a syllogism."I saw you darling!" Mother waved. Then she sat back and smiled, nature on her side after all.
Well sure," Square began-
He heard the suck of Circle's chest cavity, speech lobes echoing the startle of her brain's emotive region to vibrate vocal chords so that the up-rush of breath through her body would come out as,

## What?!"

She pushed her sunglasses up onto her head to reveal that her eyes had widened to the size of an animal's before it pounces. And in response, an electro-chemical jolt contracted his muscles to quickly voice "But it's more complicated than that" (accelerando) as he tried to recover

Tried and failed, he saw, realizing that Mother would take his words as confirmation of Circle's phobia of conceiving. Circle's eyes remained trained on him. "Sometimes more kids just aren't in the cards," he tried.

What he means," Circle said, emotion beginning to raise veins, "is that we've decided to limit our family."
"Limit your?-"

It's not like when you and dad were raising a family. Kids cost a lot. The public schools are worthless so you can't even think about sending them there. And anyway, who's going to watch a baby while I'm at work? Square doesn't have time
He can't even figure out the ending to his dumb..
"...story, watching Oval after school like he does and I don't have time to be around them Not like you were with us."
"Well, things have certainly changed," Mother ighed in that exhausted victim tone she adopted whenever she was about to play her "tired blood" card. "In my day, children just came or they didn't. We were just the organ they did it through.
of a common man
"Geez, that's what you want me to go back to?" Circle laughed, her smile an incipient "fear grin" primates often exhibited just before tension broke into fight or flight. "A crap shoot?" This last was meant for him. He decided
to let pass the crack about his "dumb" story.
"Mother, I can't not know what I know!" Her exasperated tone left a pregnant silence at the table "Excuse me," she said, "I need a refill on my ice." She stood up and there was the shock of her body: a flat athletic torso, muscular shoulders and arms
in a cheetah-print swimsuit (a legacy of African,
i.e. savage sexuality) that made him want her.
"Anybody else want anything?"

## ALIGNMENT


the telephone book: technology, schizophrenia, electric spfech Book, i989. Designer: Richard Eckersley. Author: Avital Ronell. Compositor: Michael Jensen. Publisher: University of Nebraska Press. Photograph: Dan Meyers.

## The designer has deliberately created typographic rivers in order to create cracks or fissures in the text.

## ALIGNMENT: EXPERIMENTAL



## ALIGNMENT: EXPERIMENTAT


justified: hella jongerius Book, 2003. Designers: COMA. Photograph: Dan Meyers.
+

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mexican streft signs Photographs by Andrea Marks. Sign painters in Mexico create letters that stack well, such as squared-off Os and Gs.


Instead of stacking letters, designers often change the orientation of the baseline to make vertical lines.

## TYPE BASICS

## Enlarged Capitals

## ENIARGED CAPITALS



A
VIEW of the Monuments.

[IEorder to take this folemn Survey, it is neceflary we
Thould enter in at the Door of the South-Crofs, as being molt convenient for the better difpofing the Plates; where the firft Tomb you come at is a rough one, of coarfe Marble, and looks, by the Moifture and Injury of the Weather, and the Nature of the Stone, much older than it is. This,
whofe Form is here exhibited, was erefted to the Memory of Mr. Edmond Spencer, a Man of great Learning, and fuch a luxuriant Fancy, that his Works abound with as great Variety of Images (and curious, tho' fmall Paintings) as either our own or any Language can afford in any Author. He dy'd, as you ee by the Infcription, in the Year 1596. By what Mr. Cambadn and on'ers
of this Monument, the Original was in Latin; which take in Cambden's Words, of this Mon
as follows :

Edmundus Spencer Londinnenfs Anglicorum poctarum, noffri faculi facile Princepss, quod jus poemata faventibus mufis wo vilturo gonio confcripta comprobant. Obiit immaura morte, amno falutis 1598. © prope Galfredum Chaucerum conditur, qui feli-
iflime Poefin Anglicis litcris primus illuffravit, in quem bec fripta funt Epitapbiam:

$$
\begin{aligned}
& \begin{array}{l}
\text { Hic prope Chaucerum fitus eft Spenferius ille } \\
\text { Proximus ingenio, proximus \& } \\
\text { tumulo. }
\end{array} \\
& \text { Proximus ingenio, proximus is tumulo. } \\
& \begin{array}{l}
\text { Hic prope Chaucerum Spenfere poeta poctam, } \\
\text { Conderis \&" verf quam tumulo proprior, }
\end{array} \\
& \begin{array}{l}
\text { Conderis \& verfu quam tumulo proprior, } \\
\text { Anglica te vivo, vixit plau ftque pocfis, }
\end{array} \\
& \begin{array}{l}
\text { Ang lica te virv, vixit plauftque pof is, } \\
\text { Nunc moritara timet te moriente mori. }
\end{array}
\end{aligned}
$$

## In Englifh thus:

"EDMUND SPENCER, born in London, and chief Poet of our Age; which his Works, written with a happy Spirit, and mafterly Genius, teftify. He died by "a too early Death in the Year 1598 , and lies buried near Chesicco, who was the "" firft that fuccefffully wrote Poetry in the Englijb Language, over whom are " written thefe Epitaphs:

## The University's Crisis of Purpose

This is the fifh in a series of essavs eeploring dominant themes and currents of thought in particular areas of Amerioun life The next essay in the series
which will contimue in this space over the coming months, is scheduled to oppoar Sept. 20 . An archive can be found at nytimes.com/crossronds


THE NEW Yonk Tises bookreview is

A view of the monuments. Book page, eighteenth century.
new york times book review. Newspaper page, 2009. Art director: Nicholas Blechman. Illustrator: Ellen Lupton.

## ENIARGED CAPITALS

An enlarged letter cut into the text block is called a drop capital or drop cap. This example was produced using the Drop Caps feature in a page layout program. The software automatically creates a space around one or more characters and drops them the requested number of lines. Adjusting the size and tracking of the capital allows it to match the surrounding text. Similar solutions can be implemented on the web in CSS. The space around the capital is rectangular, which can be visually awkward, as seen here with the sloping silhouette of the letter A.

Was it the best of times, the worst of times, or just Times New Roman? The drop capital used here (Thesis Serif Bold) was positioned by hand as a separate element. A text wrap was applied to an invisible box sitting behind the capital. Thus the text appears to flow around the intruding right prow of the W. Likewise, the left prow extends out into the margin, making the character feel firmly anchored in the text block. Hand-crafted solutions like this one can't be applied systematically.
$\underset{\text { grab your }}{\text { graderby }}$ DESIGNERS SOMETIMES ADAPT the drop cap convention READER BY the cahunas for other purposes. An illustration or icon can appear in $\underset{\substack{\text { and never } \\ \text { fier let go }}}{ }$ place of a letterform. Purely typographic alternatives are also possible, such as inserting a title or subtitle into space carved from the primary text block. Such devices mobilize a familar page structure for diverse and sometimes unexpected uses.

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## ELSEWHERE

A LIST APART
AN EVENT APART

Dropped capitals can be styled in CSS. Design: Jeffrey Zeldman.

## TYPE BASICS

Paragraphs
bible Page detail, c. 1500. This beautiful arrangement features contrast between the dense, unbroken text column and a flurry of surrounding details, including a drop cap, marginal notes, and triangular chapter summary.

Dominus Salomoni Secundo apparens, inbet fua ferrare pracepta, addita comminatione nif feruata fuerint Sulomon
plures adificat cuuitates, gentes fibi facit tributarias, or clafje in Ophir mıfaplurimum auri reci-
pit.
CAP. IX.
 A c т w m eft autem cùm perfe ciffet Salomon xdificium domus Domini,$\& x d i f i c i u m$ regis,$\&$ omne quod optaucrat $\&$ voluerat facere, ${ }^{2}$ apparuitei Dominus fecundo || ficut apparuerat ei in Gabaon. ${ }^{3}$ Dixitq́ue Dominus ad cum, Exaudiui orationem tuam \& deprecationem tuam, quam deprecatus es coram me:fanctificaui domú hanc quam ædificafti, vt ponerem nomen meum ibi in fempiternum, \& erunt oculi mei \& cor meum ibi cunctis diebus. ${ }^{4}$ Tu quoque fi ambulaueris coram me, ficut ambulauit *pater tuus, in fimplicitate cordis \& in xquitate: \& feceris omnia quæ pracepi tibi, \&legitima mea \& iudicia mea feruaueris,' ponam thronum regni tui fuper Ifrael in fempiternum, \|ficutlo- 2. Re.7.b. 12 cutus fum Dauid patri tuo, dicens, Non auferetur c.t6. vir de genere tuo de folio Ifrael. ${ }^{6}$ Si autem auer- I.Pa.22.6. fione auerfi fueritis vos \& filij veftri, non fequentes me, nec cuftodientes mandata mea, \& ceremonias meas quas propofui vobis, fed abieritis \& colueritis deos alienos, \& adoraueritis cos: ${ }^{7}$ auferam Ifrael de fuperficie terræ quam dedi eis, \& templum quod
2. Par.7.c. B

$\qquad$
$\qquad$
$\qquad$ fanetificaui nomini meo proiiciam à cöfpectu meo, eritọue Ifrael in prouerbium, \& in fabulam cunctis populis. ${ }^{8}$ Et domus hæc erit in exemplum : omnis qui tranfierit per cam, fupebit \& fibilabit. \& dicet.

## Pheasants, Partridges, and Grouse; Buttonquail

America's pheasants, partridges, grouse, and ptarmigan are not generally considered real beauties, being known more as drab brown game birds. But the main family of these chickenlike birds, Phasianidae, with a natural Old World distribution, contains some of the globe's most visually striking larger birds, chiefly among the pheasants, like the Silver Pheasant, Crested Fireback, and Common Peafowl illustrated here.The most historically (and gastronomically) significant, if usually unheralded, member of the group is Asia's Red Junglefowl, the wild ancestor of domestic chickens

All chickenlike birds (except buttonquail) are contained in order Galliformes. In the past, most (excluding the megapodes and curassows) were included in family Phasianidae, but more recently, the grouse (treated here), which occur over North America and northern Eurasia, have been separated into their own family of 18 species, Tetraonidae, and the New World quail into their own family (treated on p. 87). Phasianidae itself now contains 155 species, including partridges, francolins, junglefowl, Old World quail, and pheasants. Several Old World species, such as Chukar, Gray Partridge, and Ring-necked Pheasant, were introduced to North America as game birds and are now common here.

Birds in these groups are stocky, with short, broad, rounded wings; long, heavy toes with claws adapted for ground-scratching; short, thick, chickenlike bills; and short or long tails, some of the pheasants having tails to 5 feet ( I .5 m ) long. Some small quails, such as the Harlequin Quail, are only about 6 inches ( 55 cm ) long. Many species, particularly among the pheasants, are exquisitely marked with bright colors and intricate patterns,
pheasants and
partridges
Distribution: Old World
No. of Living
Species: 155
No. of Species Vulnerable, Endangered: 32, 9
No. of Species Extinct Since 6 oo: 3

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## PARAGRAPFS: EXPERIMENTAL

dominate its board?
I'd be interested to know what Maxwell Anderson and David Ross think about the possibility of changing the membership of museum boards so that they more fully represent the communities they claim to serve. Can we imagine a Whitney Museum board that is not a rich man's club?

## Irving Sandler

There are diverse museum audiences. A significant constituency consists of artists. They need what they see to make art. In talking to artists, at least of my generation, everyone has told me of the importance of the Museum of Modern Art's permanent collection in the development of their art. I would hope that museums could serve all of their diverse audiences, but the health of art and its future depends on how they meet the needs of artists.

## Maurice Berger

Dan, you wrote: "Because of this feeling of being excluded I believe that one of the most important commitments any museum professional can make is to try to reach out and connect to the public through continuous lectures, gallery tours, workshops, and the difficult but necessary writing of readable wall and brochure texts."
This is a very important point, yet I suspect that you may be the exception rather than the rule. All too often, I have found (as a consultant to a number of museums) resistance on the part of many curators to examining and improving their pedagogical skills. Indeed, education departments are often marginal to or left out of the curatorial process. On Thursday, I will open a two-day session on museum education, public address, and pedagogy.
Irving, you wrote: "A significant constituency consists of artists. They need what they see to make art. . . . I would hope that museums could serve all of their diverse audiences, but the health of art and its future depends on how they meet the needs of artists."
A very important observation-the museum as a space of education, inspiration, and motivation for other artists.

## Maxwell L. Anderson

Alan asked about the possibility of opening up major museum boards. It took me quite some time to persuade the Whitney Museum board that it would be logical to have a seat for an artist. I was lucky enough to have three artists on the board of Toronto's Art Gallery of Ontario, a much larger museum spanning from the Renaissance to the present with a budget comparable to the Whitney's.

The concern expressed by the Whitney's board was that having an artist could create conflicts of interest. I noted that it might well be a conflict of interest to have trustees who actively collected in the general areas that the museum does, but that I trust members to recuse themselves when discussions warrant it
Eventually, I was given the green light by the Nominating Committee to invite Chuck Close, who graciously accept ed over a bottle of Glenlivet in his studio, and proved to be a superb trustee. Chuck has helped keep the conversation alive and focused on the museum's mission. His term was up this June.
My nominee to succeed him would have provided a return engagement to mine a museum, in this case the Whitney, but that was not to be. Chuck's term has been extended, and he will be terrific as long as he cares to stay on. My preference was to alternate, at the end of each three-year term, between a more senior artist and a midcareer artist.
As far as other positions on boards, the prevailing desire
of most nominating committees is to have trustees with the means necessary to fuel a campaign and support the annual fiscal burden of the operating budget. One can understand the impulse. On the other hand, across the nation there is still an unfilled need for greater ethnic diversity and better representation of various segments of an artistic spectrum-in the Whitney's case, for exam ple, for more collectors of contemporary art.
For the makeup of a board to change, there has to be an overarching will to do it. That is not the impulse around the United States today. When times are tight, whatever will there might be is put to the side in a quest to find people with proven capacity to give.

## Mary Kelly

Over the years, I have noticed how the same work, shown in different contexts, draws vastly different audiences, in terms of numbers and responses, and perhaps this is why I placed emphasis on the issue of reception in my earlier remarks. Of course, in making a work, there is a subjective investment that presupposes an audience, or put another way, the desire of the other. I think artists are always speaking, consciously or unconsciously, to very specific people friends, lovers, patrons, collectors, and sometimes to certain communities-professional, political, social, generational, or geographic, but this is never the same audience constructed by the exhibition. Considered as a "statement," you could say an exhibition is formulated by a curator/author who is given the

## PARAGRAPFS: EXPERIMENTAL

hasn't been any talking about artistic practice and political practice. So how can artists and graphic designers intervene? At the same time, it is not for the others that one intervenes, it is with the others and for oneself. That is very important; we should not be paternalistic missionaries. I think that politics itself is an art, politics is the art of managing conflicts, the art of relations of force, and therefore necessarily involves the people who possess the power of expression. For let me remind you that expression and the orderly transfer of ideas play a very, very important role in conflicts.
Member of the audience
I would like to ask Jörg Petruschat how he sees the relation between
social conflict and artistic practice, especially in relation to design.
Jörg Petruschat
I can hear..., but today it's the seventh of november and... at school I had to learn russian. l'il try it.
I came here for three reasons. I see that revolution in technology served to cement the social status quo. Many designers hope to change the world when they go to technologies and I think that is a big illusion. And my duty is not to say to you what you have to do in future, but my duty is to think about what I see in the present. And I think it's an illusion to run behind the technology changes in the hope of changing the social status quo. In my opinion we should not make the mistake of thinking that we are the greatest because we are the latest. We have to look into the history and the problems of history because the situation, as I showed, from the fifteenth down to the nineteenth century has many similarities with the situation today. That's the first.
The second is that technology is a political structure, it transmits a kind of power, of economic power, and this is a new form that we cannot touch in our everyday life. This technology functions behind a façade. So the political is also structural in this case.
When designers think there are possibilities to change the world in contact with these technological systems they think like Walter Gropius, that the computer's only an instrument. I think that is false. The computer is not only an instrument but a big structure with many standards, and standards affect everyday life. That's the third reason.
Member of the audience
I enjoyed Susan's talk very much. But I have some doubts. Are you really saying: I want to go back to the original meaning of the word aesthetics, to go back to perception, and I want to see how perception is displaced in our culture?

Susan Buck-Morss
I do think that there is this opacity of representation, in other words, the way art is not just communication, the way that there's something
else going on there. Either it's the medium itself, or it's something else that is extremely important. That's the most political we can do better to concentrate on that, than to think about exactly what message is getting across in the sense of a representational message, a direct message. But when you speak about aesthetics and an aesthetics problematic, I think it's what the avant-garde can only hope to do now. I think the avant-garde legitimated its leadership in the past by thinking it knew where history was going. I think this notion of history in progress is very dangerous. You can't be elitist if you know where we're going and you know what's holding us. I really agree with Benjamin that one has to stay radical but give up absolutely the notion of progress or automatic progress.
What does that leave for an avant-garde? That is my question and I was trying to argue as one part of political art, but not all of political art. And in this avant-garde possibility I was thinking about interruption in a temporal sense, or displacement. Maybe it is a very important political intervention to even use their own bodies as this kind of space where not very pleasant things happen. I do think that it's still possible, and for me rather fruitful, to think of a tradition of avantgarde art and how that could be reformulated, not in the way that would say what political art should be about, but something that gives some description and direction.

## Lorraine Wild

My question... do you think that in the context of what you're talking about, that it keeps being useful to talk about art, even at all as the definition of what is actually avant-garde or necessary at the moment? I was thinking about that when you opened up with the installation by Ramírez inTijuana's public plaza, that in fact is a building that demonstrates a code. You could actually not call that art at all, you could call that an informational exhibition, but that somehow this nomenclature that we attach to the activity immediately sets it out into a different round, makes it more difficult to talk about; and that encrusted with the whole idea of cultural hierarchy that in fact works against the very thing.

## Susan Buck-Morss

Well, I mean it's interesting, what you say. What the difference is between the word design and the word art. Art is the code word in late western bourgeois society for disinterested interest, for non-instrumental practice. And so 1 am trying to occupy that or to use it. In fact you're talking about public space of communication; you're not actually talking about anything that obeys the conventional definitions of art. Somehow, we get stuck with this almost retrogressive notion of art, but then actually that very same definition has been used to prevent or tends to create a wall when it comes to this sort of activi-
design beyond design Book spread, 2004. Designed and edited by Jan van Toorn. Lines and blocks of text slide into the margin to mark changes of voice in an ongoing conversation.

## PARAGRAPHS

## EDITORIAL

## Google in China

Published：January 14， 2010
Google has taken a bold stand by saying that it would stop cooperating with China＇s online censorship and may pull out of the country entirely．Google had many reasons to reconsider its presence，but the discovery that it was a victim of a cyberattack aimed at Chinese human rights activists added a powerful one．There are limits to the price an American company should be willing to pay for access to 300 million Web users．

When Google took its Web site to China in early 2006，it argued that the positive benefit of giving the Chinese people more open access to the Internet outweighed the negative．But Google said that it would monitor the situation，including what restrictions were imposed upon its delivery of information．

The government＇s policies proved to be deeply troubling．In China，search requests on Google for terms that offend the government，such as＂Tiananmen Square massacre，＂do not work．YouTube，the company＇s user－generated video site，has repeatedly been blocked．

Things have not gotten better．The recently discovered cyberattacks aimed at Google＇s computers，and those of other companies，are particularly disturbing．A prime purpose appears to have been to hack into the Gmail user accounts of Chinese human rights activists．Google says it has discovered that the accounts of dozens of Gmail users who advocate for human rights in China have been accessed，apparently by deceptive software or other improper means．

Google＇s policies have not always won plaudits．Authors have had to battle to preserve their copyrights in the face of Google＇s ambitious plans to digitize books－including in China．

The company has not resolved questions about protecting users＇privacy and has shown an anticompetitive bent with acquisitions like DoubleClick and AdMob．But it has often stood up to censorship，particularly on YouTube．

Google＇s defiance of China is winning praise from human rights groups and open－Internet advocates．The Center for Democracy and Technology said，＂No company should be forced to operate under government threat to its core values or to the rights

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## Gender aside，the fall of Irish politician Iris Robinson is the same old sex scandal

## By Ruth Marcus

Thursday，January 14， 2010
So the tables－turned，she－cheated－on－him political sex scandal we＇ve all been waiting for has finally arrived， albeit across the pond．The fortuitously named Iris Robinson－－and here＇s to you，etc．－－is a 60 －year－old member of Parliament from Northern Ireland．Robinson not only had an affair；she had an affair with a teenage boy．

Her husband，Peter Robinson，is－－or was，until he stepped aside temporarily this week－－an even more prominent politician，Northern Ireland＇s first minister and head of the socially conservative Democratic Unionist Party．This is a sex scandal with geopolitical implications，threatening Northern Ireland＇s fragile power－sharing agreement．

Mr．Robinson stood by Mrs．Robinson＇s side， metaphorically anyway，as the affair came to light and she attempted suicide；in the Robinson twist，it was the wronged spouse who summoned reporters．＂I admit that my immediate impulse was to walk away from my marriage，＂the normally buttoned－up Mr．Robinson said， his voice breaking．＂I felt betrayed after almost 40 years of being happily and closely bonded together．＂

As sex scandals go，this one is a trifecta．There is the （super）cougar aspect．Anne Bancroft was playing a 40 －something Mrs．Robinson seducing college graduate Benjamin Braddock in＂The Graduate．＂This Mrs． Robinson was 59 when she started sleeping with a 19 －year－old．She had known Kirk McCambley since he was a child and she patronized his father＇s East Belfast butcher shop．As he was dying，the elder McCambley asked Mrs．Robinson to look after his son－－＂She made


Irish poilticians Peter and Iris Robinson in 2008. （Paul Faith／associated Press）
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TYPE BASICS
Hierarchy

I Division of angels
A. Angel
B. Archangel
C. Cherubim
D. Seraphim

II Ruling body of clergy
A. Pope
B. Cardinal
C. Archbishop
D. Bishop

III Parts of a text
A. Work
B. Chapter
C. Section
D. Subsection

SYMBOLS, INDENTS,
AND LINE BREAKS

Division of angels
Angel
Archangel
Cherubim
Seraphim
Ruling body of clergy
Pope
Cardinal
Archbishop
Bishop
Parts of a text
Work
Chapter
Section
Subsection

INDENTS AND
LINE BREAKS ONLY
division of angels

| Angel | angel |  |
| :--- | ---: | :--- |
| Archangel | DIvision | archangel |
| Cherubim | OF ANGELS | cherubim |
| Seraphim |  | seraphim |

RULING BODY OF CLERGY Pope
Cardinal
Archbishop
Bishop
parts of a text
Work
Chapter
Section
Subsection

FONT CHANGE, INDENTS,
and line breaks

|  | pope |
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| RULING body | cardinal |
| OF CLERGY | archbishop |
|  | bishop |
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| parts OF | chapter |
| A TEXT | section |
|  | subsection |

ALIGNMENT, FONT CHANGE, and line breaks

## Crime Blotter

EAST VILLAGE
Noun Found Smothered
by Adjectives Message
lost in dense cloud of
AM

11
UPPER EAST SIDE
Verb Defrauded
30
AM
by Misplaced Modifier
Missing the point
revenge is sought by victim.

Williamsburg
Flood of Clichés Wreaks
Havoc Hipster kicks
bucket after biting
bullet and butterfly.

## Crime Blotter

## 6:00AM | EAST VILLAGE

Noun Found Smothered by Adjectives
Message lost in dense cloud of confused signals.

## 11:30AM | UPPER EAST SIDE

Verb Defrauded by Misplaced Modifier
Missing the point, revenge is sought by victim.

7:00PM \| WILLIAMSBURG
Flood of Clichés Wreaks Havoc
Hipster kicks bucket after biting bullet.

[^1]

[^2]
yale school of architecture Posters, 2003-2006. Designers: Michael Bierut and team/Pentagram.


Christina Beard, GD MFA Studio, MICA, 2009

@JonathanCheban

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I AM SO HAPPY
 Y'AllsLOVETD BECAUSETDOTHIS AELFOR YOUSTHIS CANTWAITTILEHS YOUSEETHEVIDEO! -BRITNEY

 ie fir 's.


[^0]:    Capitals stack more comfortably than lowercase letters.

[^1]:    Katie Burk, Paulo Lopez

[^2]:    David Wright, Nelson Hsu

