
SinnerSchraderNeueInformatik Software. Design. Interfaces.

Die Desktop-Metapher ist tot

Hamburg, 6.6.2005

Autor: Christian Jung



* 1984?

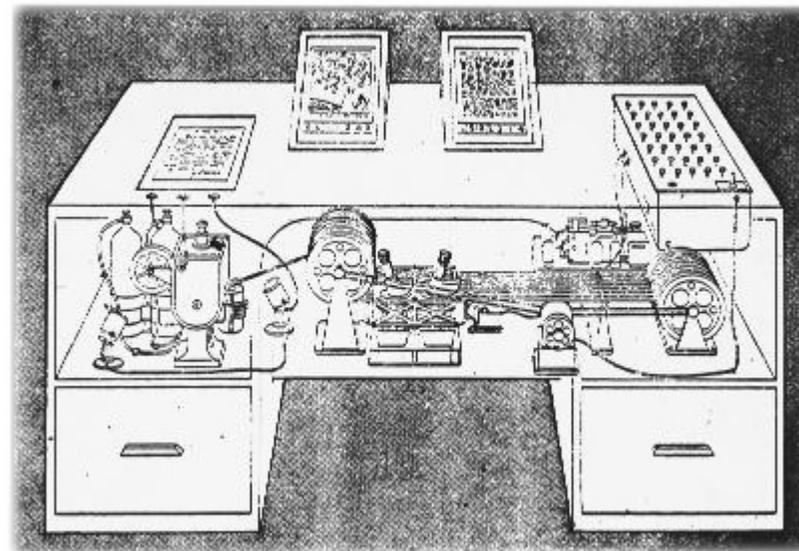


Vannevar Bush 1945: die Vision einer Maschine zur Erweiterung der eigenen Fähigkeiten

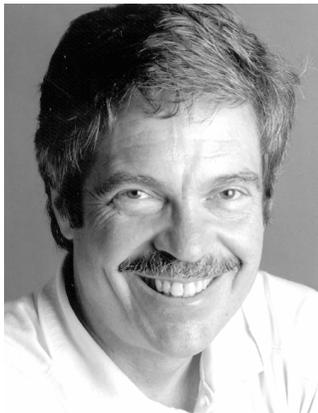


Aufsatz *As we may think*,
Atlantic Monthly, Juli 1945

„MEMEX“ (**MEM**ory **EX**tender): Maschine zum Archivieren, Wiederauffinden und Anzeigen von Dokumenten auf Mikrofilm



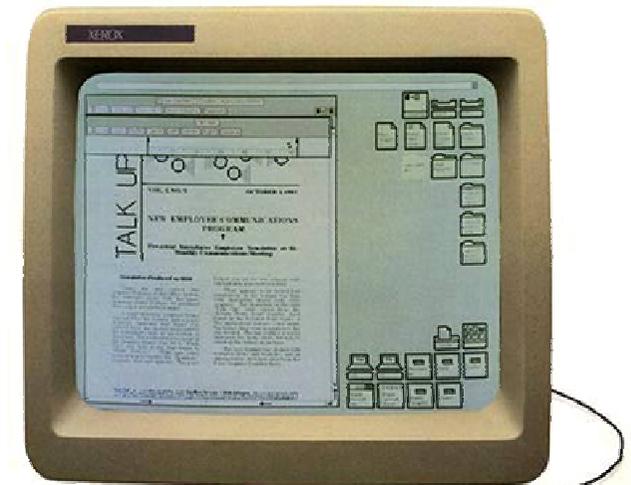
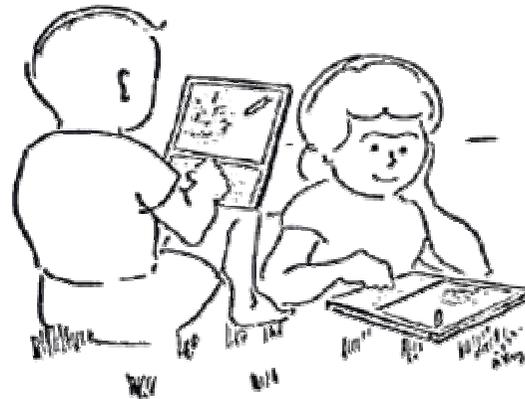
Alan Kay machte in den 70er Jahren den Computer für Laien zugänglich



Die Vision: ein Computer für Kinder

Desktop, Icons Papierkorb, überlappende Fenster

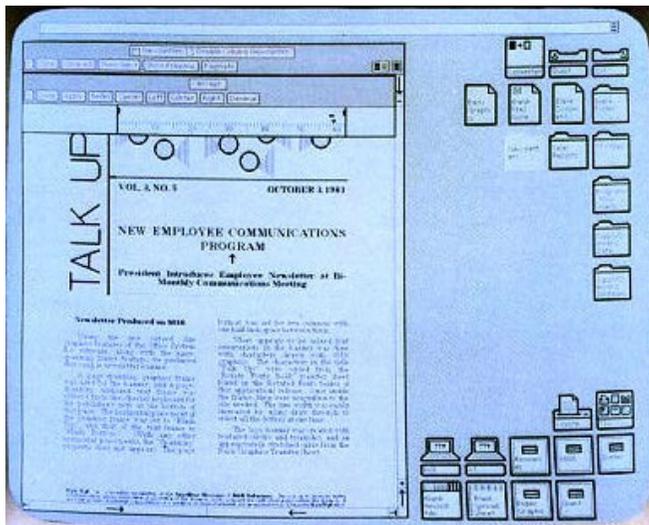
direkte Manipulation



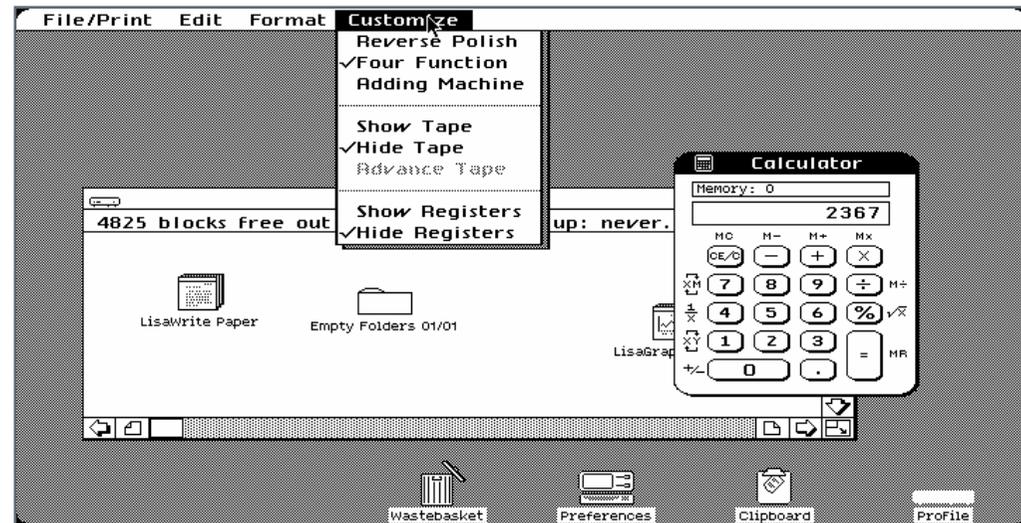
XEROX Star (1980)



Der Desktop ist Grundlage des Erfolgs des PC, aber seit 35 Jahren praktisch unverändert

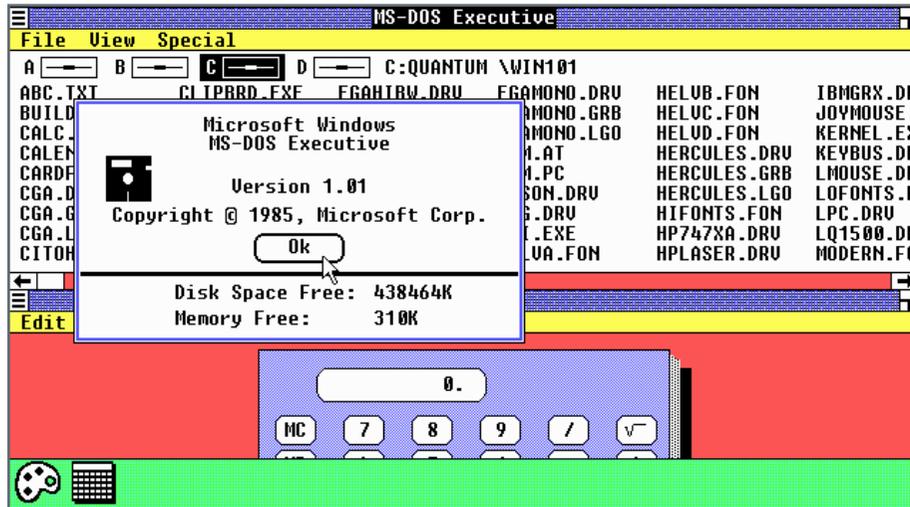


1981

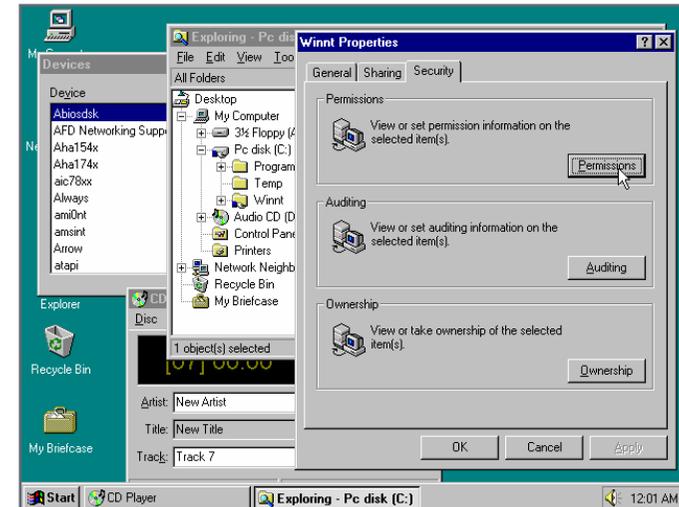


1983

Der Desktop ist Grundlage des Erfolgs des PC, aber seit 35 Jahren praktisch unverändert



1985



1995

Die Desktop-Metapher und andere Metaphern im Interface: Bestandteile

Gesamtheit: bildhafte, räumliche „Illusion“

- » Schreibtischoberfläche mit Objekten
- » Überlappende Fenster („Papier auf dem Tisch“)

Konkrete Objekte, die bestimmte Funktionalität oder Hardware symbolisieren

- » Ordner
- » Datenträger-Symbole
- » Papierkorb
- » Buttons („Schalter“)
- » Tabs
- » ...

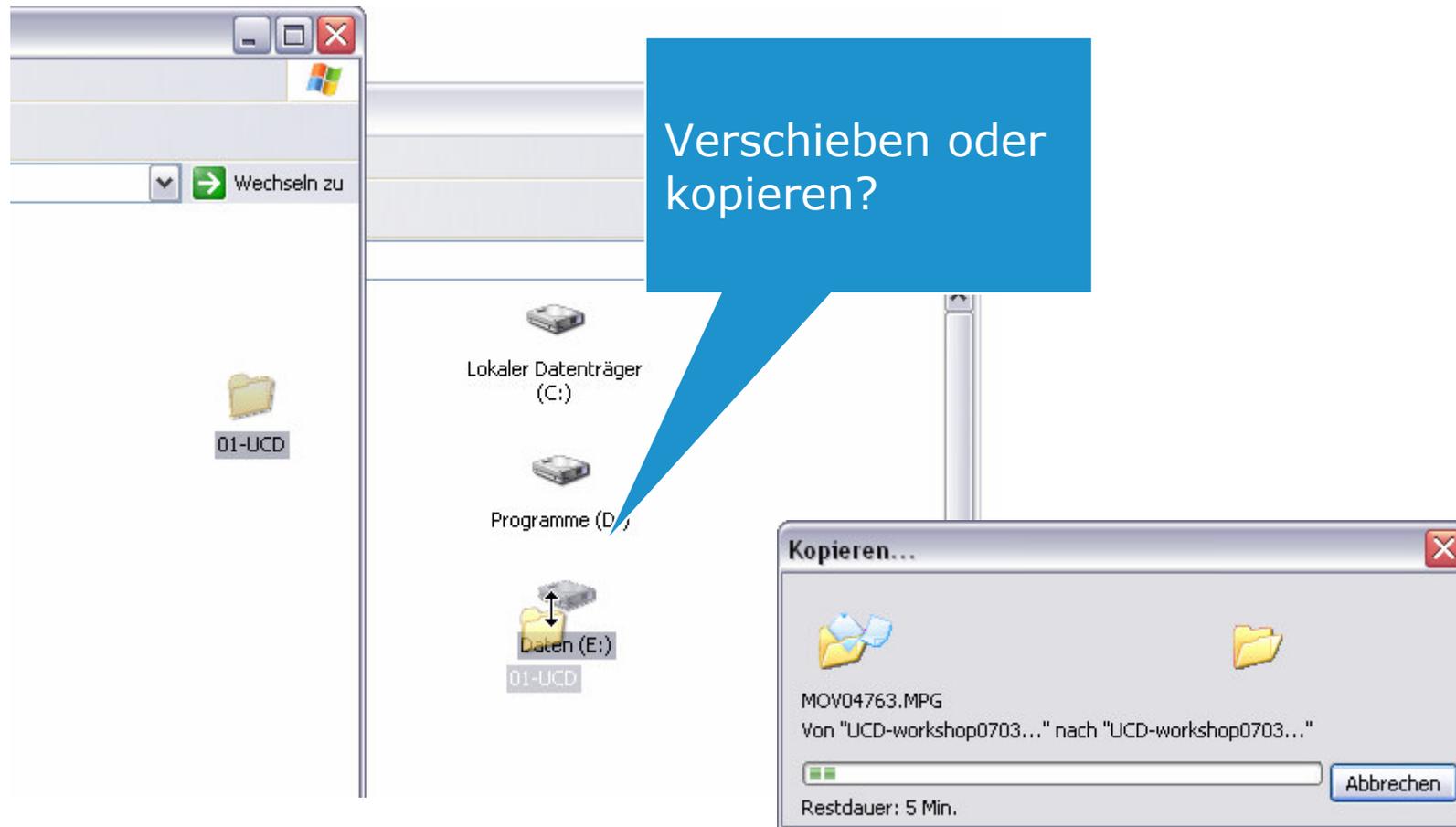
Die Grenzen der Metapher(n): Inkonsistenzen allerorten

- ⊕ 01-Arbeitsmaterial
- ⊕ 02-Verwaltung
- ⊕ 03-Übergreifend
- ⊖ 04-Teams
 - ⊕ 01-Team1
 - ⊕ 02-Team2
 - ⊕ 03-Team3
 - ⊕ 04-Team4
 - ⊕ 05-Sales
 - ⊕ 05-Team5
 - ⊕ 06-Team6
 - ⊖ 07-TeamXD
 - ⊕ 01-Übergreifend
 - ⊕ 03-Protokolle
 - ⊖ 05-Fachliches
 - ⊖ 01-UCD
 - ⊕ 10-Handbuch
 - ⊖ 11-Praesentationen
 - ⊕ Allgemeine-UCD-Praese
 - ⊕ material
 - ⊕ movies
 - ⊕ Uni-Vortrag
 - ⊕ workshops
 - ⊕ XP-Meeting
 - ⊕ 12-Schulung
 - ⊕ 20-Grundlagen-Wissen
 - ⊕ 21-Accessibility
 - ⊕ 22-Interfaces

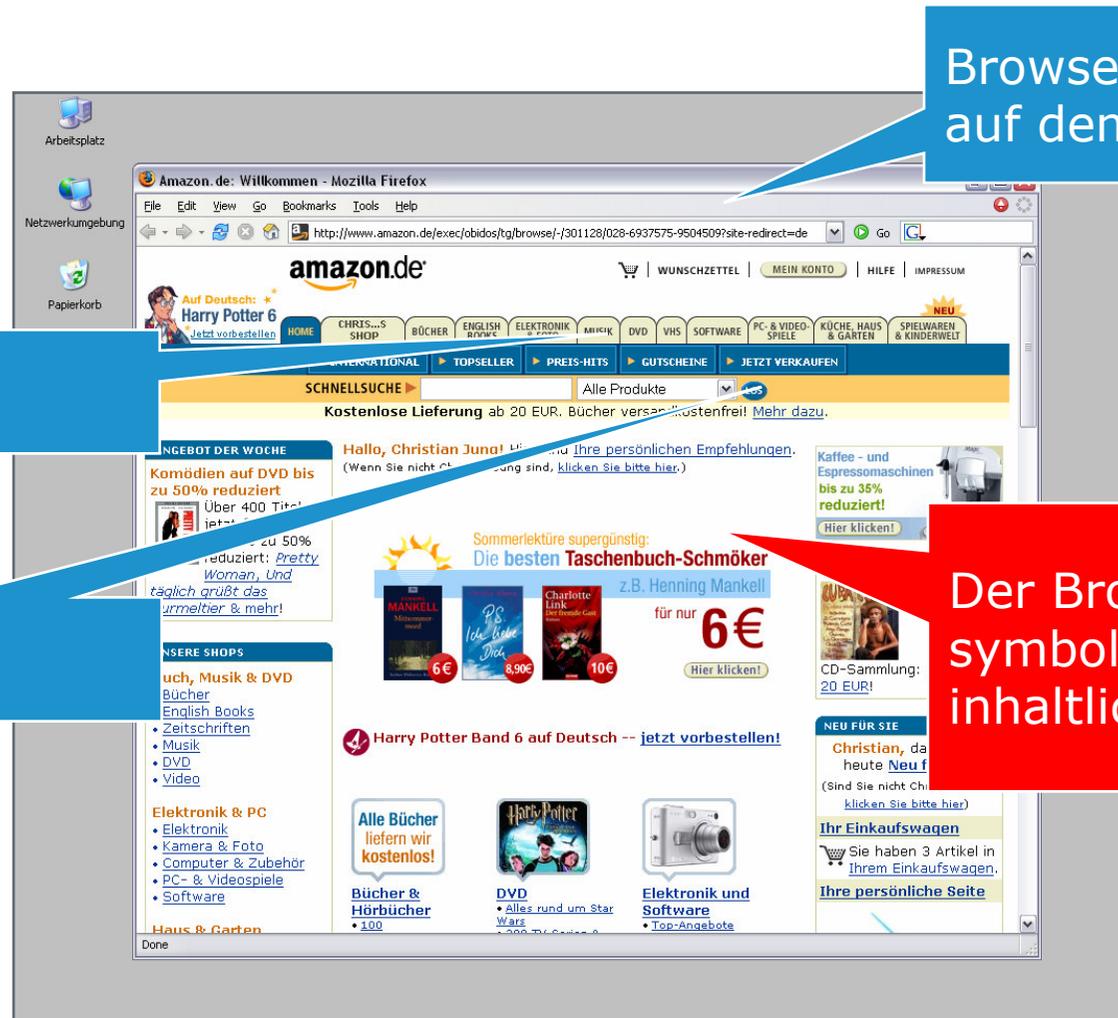
Hat jemand schon mal 20 ineinander verschachtelte Ordner gesehen?



Die Grenzen der Metapher(n): Inkonsistenzen überall



Die Web-“Page“ ist auch eine Metapher



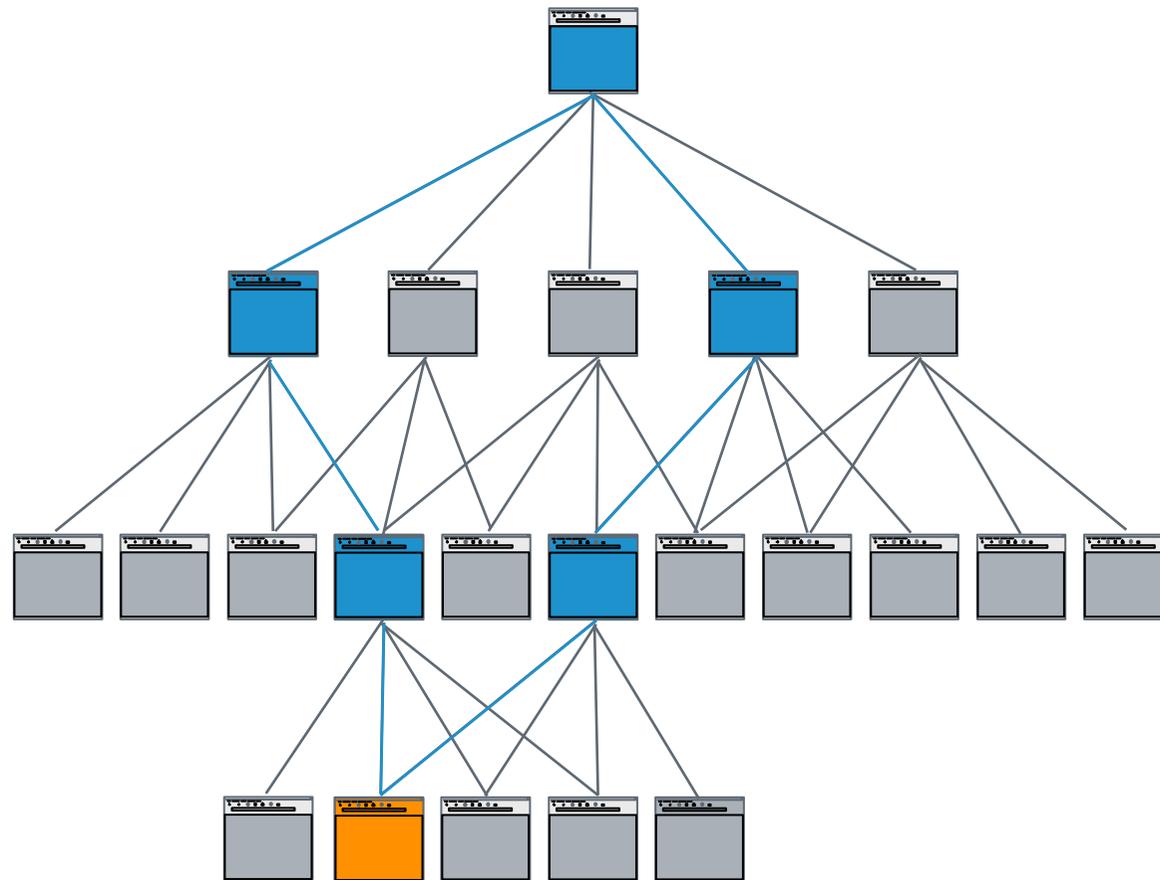
Browser = Blatt Papier auf dem Tisch

Tabs

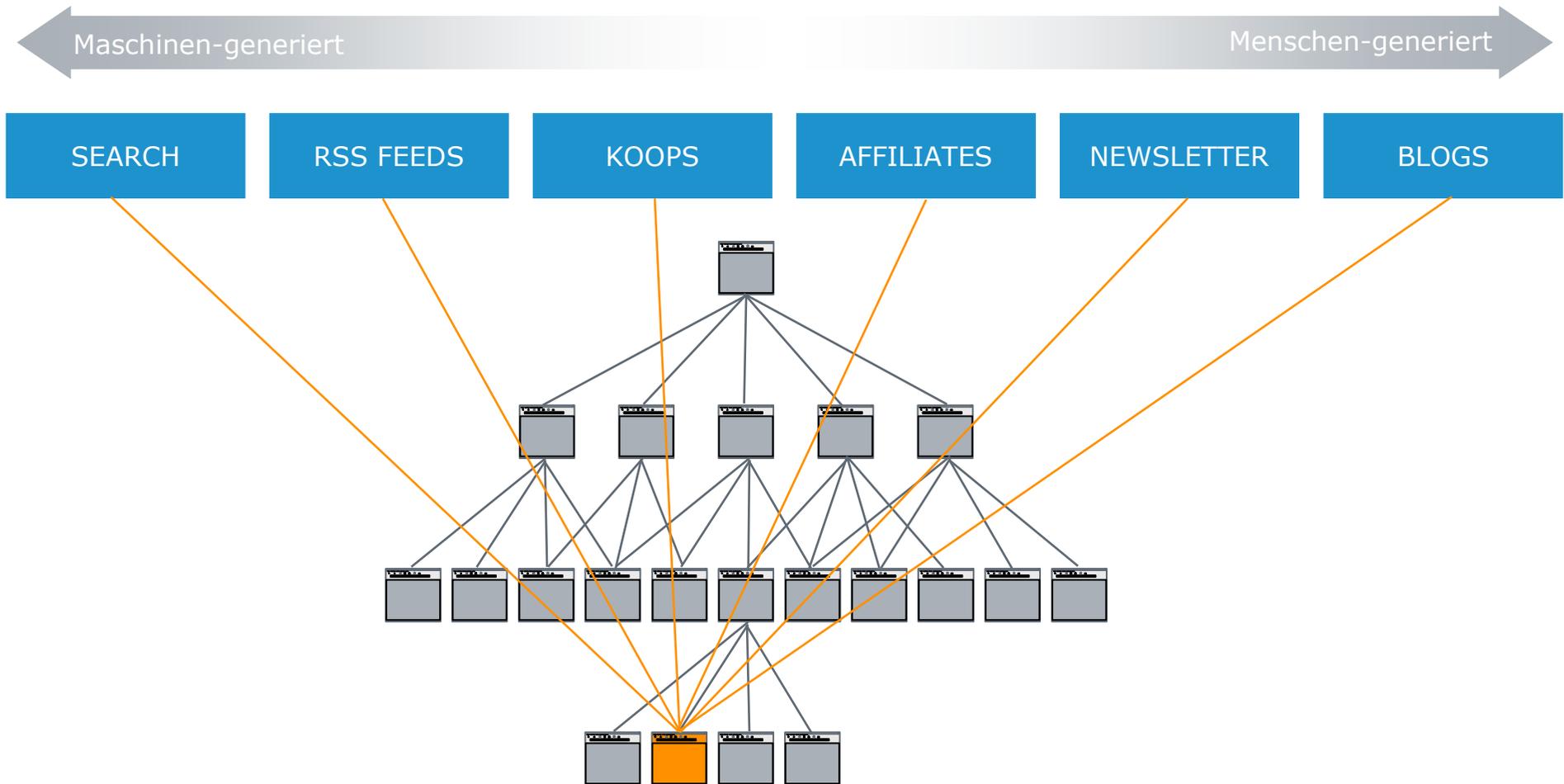
Schalter

Der Browserinhalt symbolisiert eine inhaltliche Einheit!

Die herkömmliche Website ist (nach der Metapher) ein inhaltlich geschlossenes System



Content Aggregatoren navigieren die Nutzer zunehmend direkt auf die atomaren Inhalte



Eine neue Generation von Computernutzern wächst heran

Kennt die
traditionelle
Büroumgebung
nicht mehr



Computer sind
selbstverständlich

Computer sind
leistungsfähig

Die Desktop-Metapher als Entwicklungshemmnis

„The most treacherous metaphors are the ones that seem to work for a time, because they can keep more powerful insights from bubbling up. As a result progress is slow“

Jef Raskin 1994, zitiert in Friedewald, 1999

„So wie sich das Auto vom Vorbild der Kutsche lösen mußte, um ein eigenes Profil zu gewinnen, muß sich die Mensch-Computer-Schnittstelle von dem anfangs hilfreichen, nun aber eher hemmenden Vorbild des Schreibtisches befreien“

Friedewald, 1999

Der neue Computernutzer braucht keine Metaphern mehr. Der Computer mit Desktop ist „overdesigned“

Und jetzt?

Die Applikation der Zukunft...

... hat keine Metaphern mehr sondern reduziert sich auf die Funktion

... hat dynamische „Ordnungs“prinzipien (weg mit dem Ordner!)

... nutzt intensiv Kommunikation und Vernetzung (Funktionalität, die über die alte Büroumgebung hinaus geht und deshalb nicht als Metapher dargestellt werden kann)

Reduktion

Reduktion auf die Funktion



Web [Bilder](#) [Groups](#) [Verzeichnis](#) [News](#) [Froogle](#)^{Neu!} [Mehr »](#)

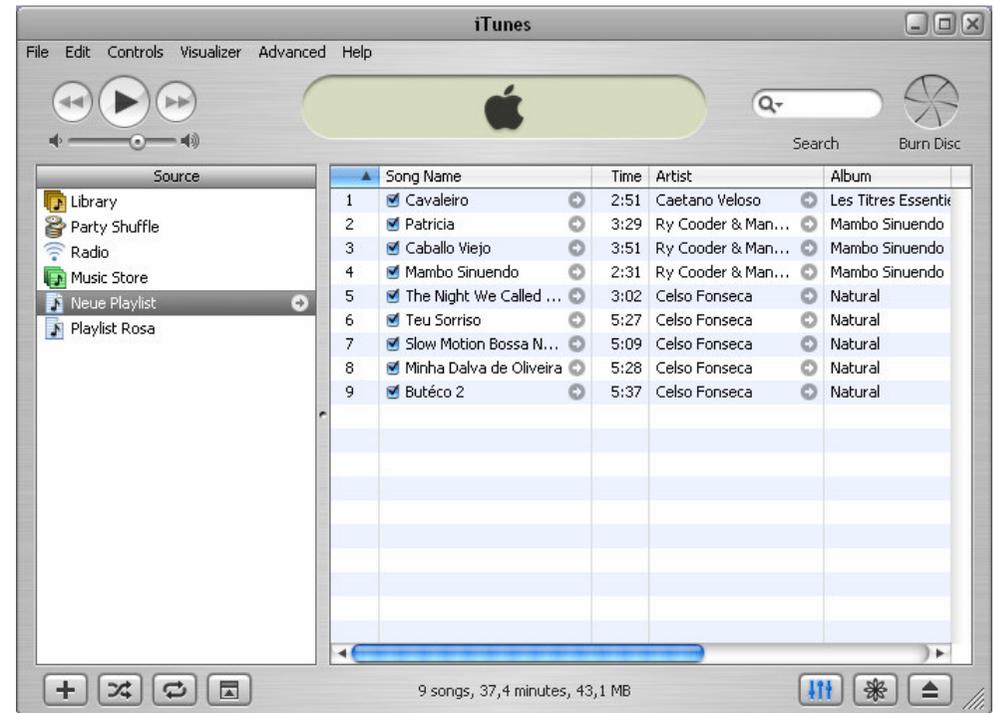
Suche: Das Web Seiten auf Deutsch Seiten aus Deutschland

[Erweiterte Suche](#)
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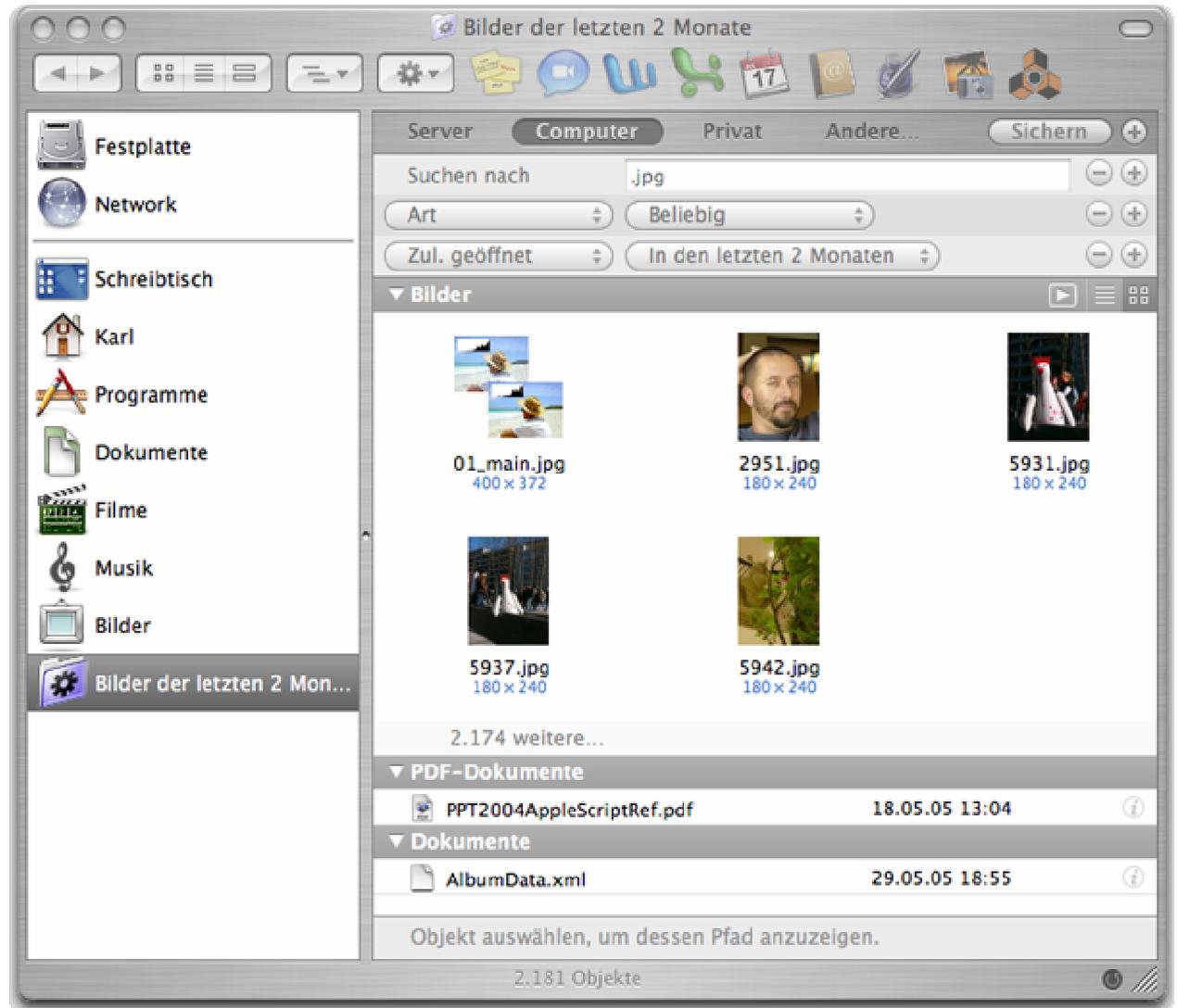
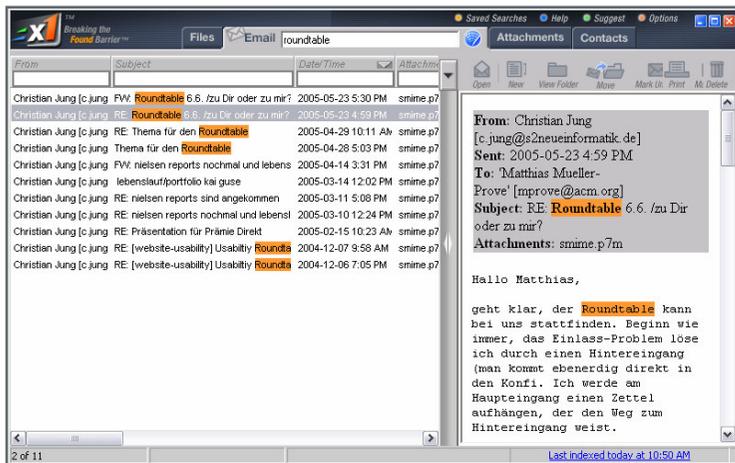
[Werbung](#) - [Unternehmensangebote](#) - [Alles über Google](#) - [Google.com in English](#)

Dynamische (Un-)Ordnung

iTunes



X1, Spotlight



Tagging

Home | Tags | Groups | People | Invite

Logged in as **MattesHH** (1 new) | [Your Account](#) | [Help](#) | [Log Out](#)

Photos: [Yours](#) • [Upload](#) • [Organize](#) • [Your Contacts](#) • [Everyone's](#)

flickr BETA

Tags [SEARCH](#)

(Or, try an [advanced search](#).)

All time most popular tags

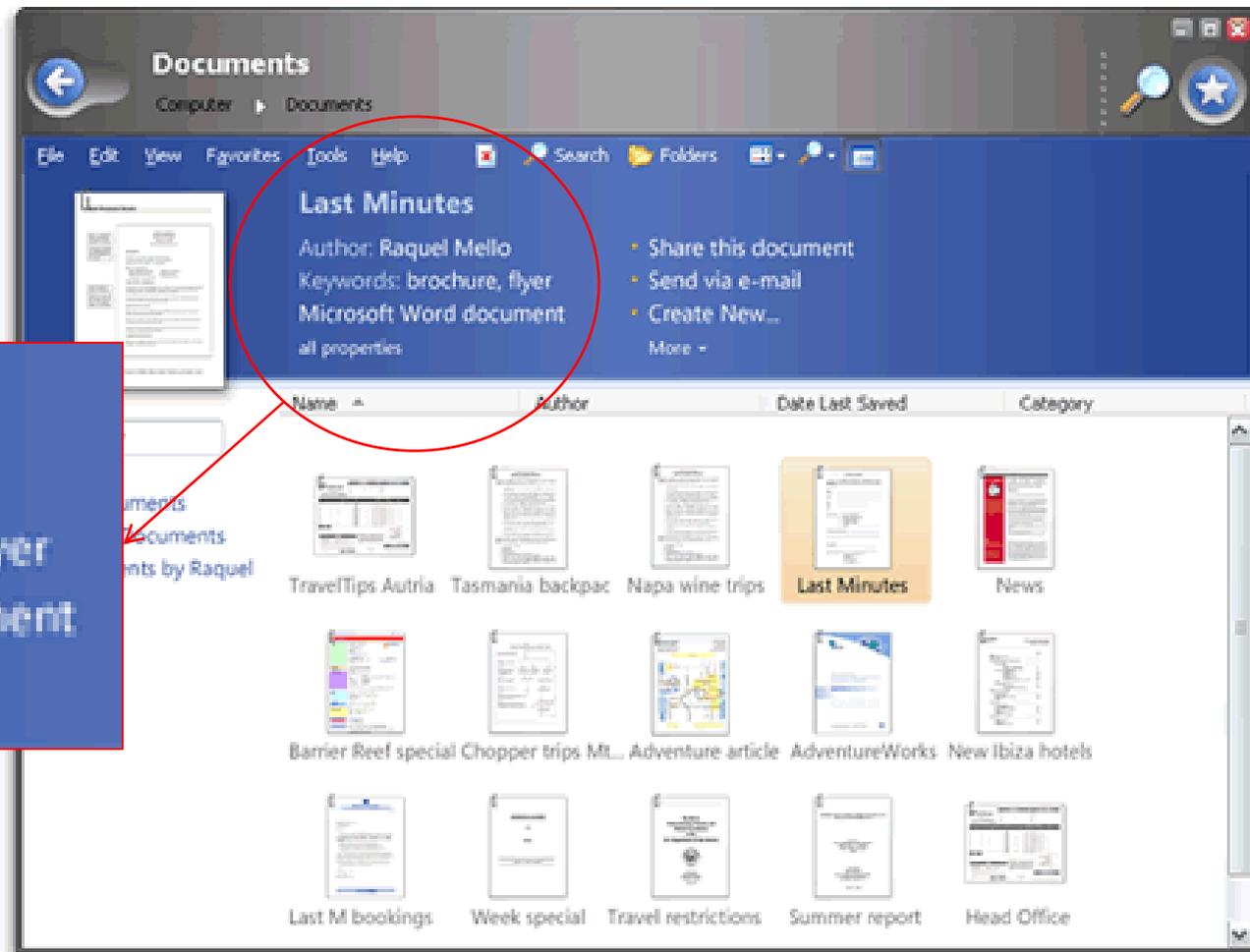
africa amsterdam animal animals april architecture art austin australia baby
 barcelona beach berlin bird birthday blackandwhite blue boston bridge building
 bw california cameraphone canada car cat cats chicago
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 europe family february festival florida flower flowers food france
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 river rome sanfrancisco school scotland sea seattle sign sky snow spain
 spring squarecircle street streetart summer sunset sydney taiwan texas thailand
 tokyo toronto travel tree trees trip uk unfound urban usa vacation
 vancouver washington water wedding white window winter work yellow zoo

<http://www.flickr.com/photos/tags/>

The „next big thing“: das datenbankbasierte Betriebssystem

Prototyp des
XP-Nachfolgers
„Longhorn“

Last Minutes
Author: Raquel Mello
Keywords: brochure, flyer
Microsoft Word document
all properties



Kommunikation und Vernetzung

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I hate [flowers](#). I [paint](#) them because they're [cheaper](#) than [models](#) and they don't [move](#). - Georgia O'Keefe

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Denmark with his girlfriend Kikke. Here he enjoys life and works with computer games for a living. [Read More »](#)

Blog Activity

- K2 Options Panel** 17
monkeypup, AsceticMonk, David [...]
- Callout for a Gallery Solution** 33
Tristan, NullMind, TJ [...]
- Inside Pixar** 17
Romej, Theiggsta, Dave [...]
- Griffin Powermate** 18
Will Croft, Max, Think [...]

Latest on Flickr

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... is a bunch of [Dashboard developers fail to impress](#)

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to shopping by rossination ... on 2005-06-03

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by scavenger ... on 2005-06-03 22:08:32

Macromedia University, Flash M...
to macromedia flash certification design...
on 2005-06-03 22:08:30

ASP.net Developer
to c#jobs by sudarshan ... on 2005-06-03

BlogTO | Toronto Blog
to toronto blog by johnpierey ... and 11 others

Anneliese VanDe Pol
by scavenger ... on 2005-06-03 22:08:27

Adam Bosworth's Weblog: Ajax don't mistake the pointing finger for the hand
to ajax design flaws by jes5199 ... and 38 others

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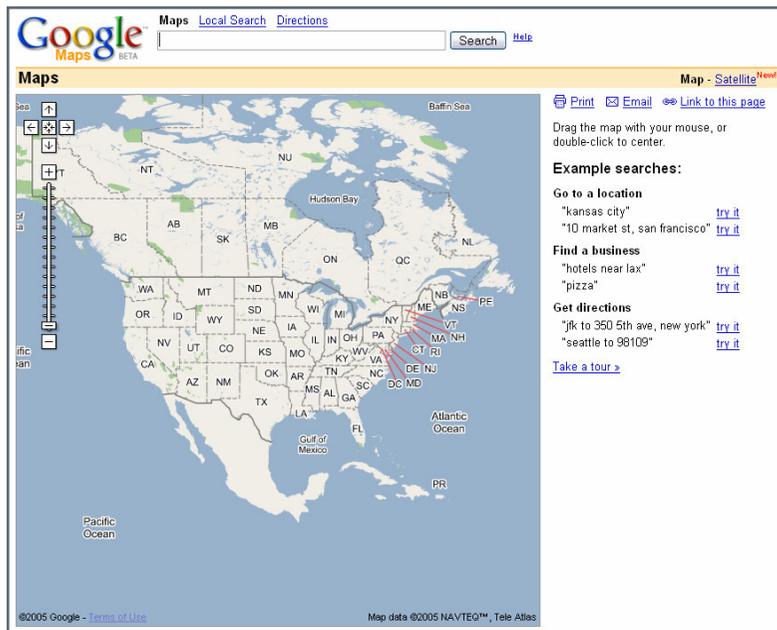
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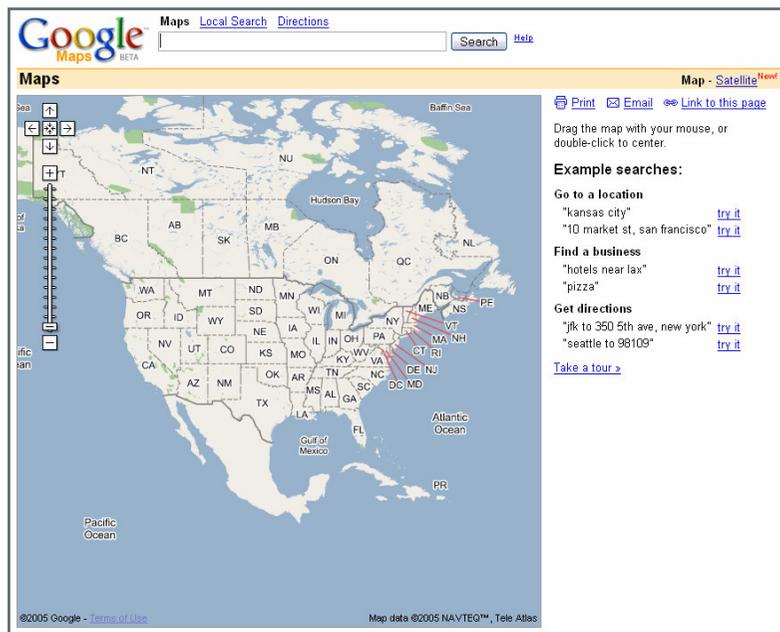
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Oakdale Blvd & Kenberton Dr
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pics	price	bd	description	city	date
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	\$1775		Worth looking at, Main and Davis	Ann Arbor	5/31
	\$1500	3bd	A Lot For Little Ann Arbor Option To Purchase Available	Ann Arbor	5/30
	\$1775		Worth looking at main and davis	Ann Arbor	5/29
	\$1550	4bd	Four Bedrooms Near UofM Stadium - Burns Park Schools	Ann Arbor	5/28
	\$2000		Luxury Condo-Excellent Location	Ann Arbor	5/26
	\$1675	2bd	Walk to downtown - absolutely charming West Side house	Ann Arbor	5/25
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	\$1550	4bd	Four Bedrooms Near UofM Stadium	Ann Arbor	5/24
	\$1500	3bd	A Lot For Little Ann Arbor Option To Purchase Available	Ann Arbor	5/20
	\$1855		main by hill	Ann Arbor	5/19
	\$1500	2bd	Ann Arbor - Burns Park House	Ann Arbor	5/17
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	\$1550	4bd	Four Bedrooms Near UofM Stadium	Ann Arbor	5/13
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	\$1500	2bd	Live In The Cutest Little House In Ann Arbor	Ann Arbor	5/11
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	\$1500	3bd	A Lot For Little Ann Arbor Option To Purchase Available	Ann Arbor	5/10
	\$1900	4bd	Four or five bedroom available in September	Ann Arbor	5/04
	\$1500	3bd	A Lot For A Little Ann Arbor Option To Purchase Available	Ann Arbor	5/03

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

Google Maps



<http://maps.google.com>

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 A freely browsable database of crimes reported in Chicago.

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Latest reported crimes

- **MAY 26** [Motor vehicle theft](#)
10:29 p.m. 100 block S. Clark St. [Alley](#)
- **MAY 26** [Theft](#)
9:56 p.m. 1500 block S. Michigan Ave. [Parking lot/garage \(non. resid.\)](#)
- **MAY 26** [Assault](#)
5:15 p.m. 500 block W. Harrison St. [Street](#)
- **MAY 26** [Deceptive practice](#)
4:50 p.m. 100 block N. Clark St. [Currency exchange](#)
- **MAY 26** [Criminal damage](#)
3:36 p.m. 600 block W. Jackson Blvd. [Commercial / business office](#)
- **MAY 26** [Criminal trespass](#)
2:50 p.m. 2400 block S. State St. [CHA hallway/stairwell/elevator](#)
- **MAY 26** [Criminal trespass](#)
2:45 p.m. 0 block E. Monroe St. [Hotel/motel](#)
- **MAY 26** [Criminal trespass](#)
2:03 p.m. 2300 block S. State St. [CHA hallway/stairwell/elevator](#)
- **MAY 26** [Criminal trespass](#)
12:50 p.m. 100 block N. Wabash Ave. [Restaurant](#)
- **MAY 26** [Battery](#)
noon 1400 block S. Jefferson St. [Warehouse](#)
- **MAY 26** [Deceptive practice](#)
11:30 a.m. 100 block S. Wacker Dr. [Other](#)
- **MAY 26** [Assault](#)
11:15 a.m. 200 block N. State St. [Sidewalk](#)

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Crime classifications key

● Person - 6 crimes	● Person (domestic) - 0 crimes
● Property - 14 crimes	● Property (domestic) - 0 crimes
● Society - 0 crimes	▲ Society (domestic) - 0 crimes

Most common crimes for this district

<http://www.chicagocrime.org/districts/1/>

Vielen Dank.

Christian Jung

c.jung@s2neueinformatik.de

T. 49.40.39 88 55 -340

SinnerSchrader Neue Informatik GmbH

Gasstraße 8-16, 22761 Hamburg
