
Maps and Mapping

Maps and mapping technology continued to expand and improve during 2006, in large part because of competition with Google Maps. Virtually all the online maps get their data from one of two companies: Navteq or Tele Atlas. It is what each map site does with that data—how it implements its user interface and what features it offers—that makes it distinctive. Google Maps and Google's downloadable property Google Earth, helped inspire a cottage industry of what are termed "mashups," a music industry term transformed into computer slang meaning to "mix at least two different services from disparate, and even competing, websites." The best known mashups involve overlaying data such as crime statistics onto Google, Yahoo, Live Search's Virtual Earth, and other maps.

Some of these innovations are detailed in *Untangling the Web*; others, while no doubt useful in their own right, do not address specific research needs of this audience and are best left for other venues.

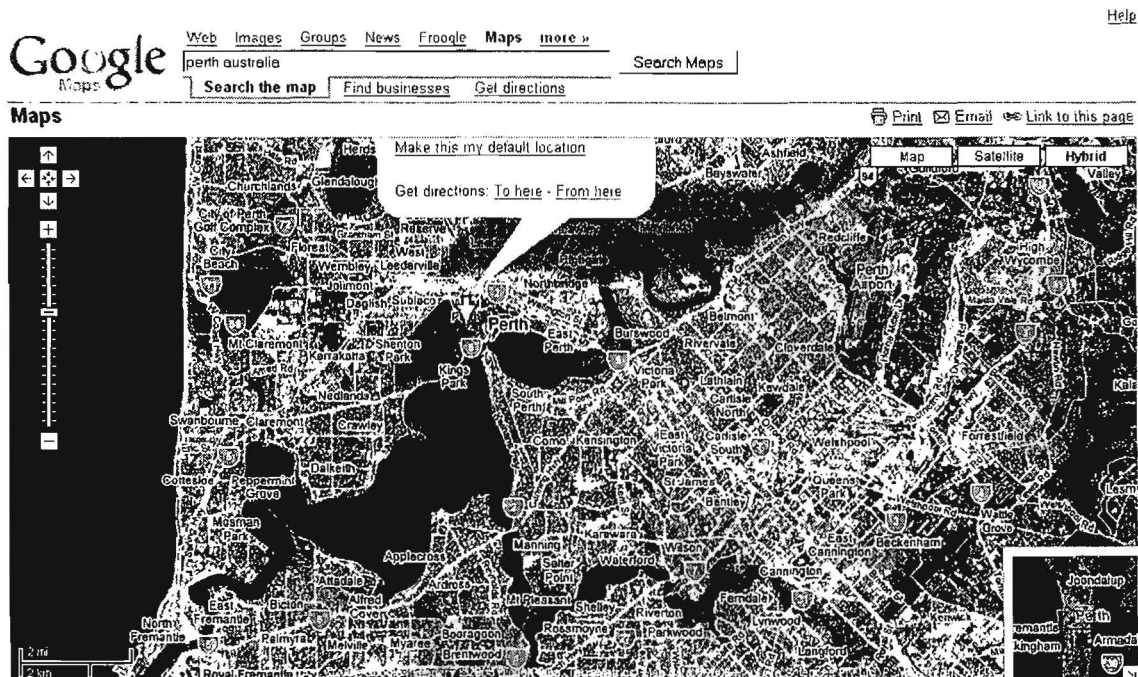
Google Maps & Google Earth

During 2005, Google and Microsoft both introduced a new dimension to their map sites with satellite maps. Google uses the Keyhole technology it purchased in 2004 and Microsoft uses its own TerraServer data to generate its satellite maps at its Virtual Earth page. Google went one step further, combining its satellite imagery with its traditional maps to offer a "hybrid" view, which overlays a map onto the satellite image of the U.S., Canada, most of Europe, and Japan. Google is facing stiff competition not only from its US competitors but also from exceptionally fine European mapping companies. See below for a [comparison between Google and Mappy](#) in the European map market.

Google Maps allows users to toggle among map, satellite, or hybrid (labeled) views. Google Maps uses the now ubiquitous address bubbles that can be closed and the ability to get directions between locations. Google Maps is one of the best sites for navigating around the map smoothly using with the mouse. In mid-2006 Google Maps added the zoom in/out feature using the mouse scroll wheel.

Google Maps also has a preview window, a small window inside the larger map window that shows a small image of the larger map. The intent is to let users see a larger view of an area

UNCLASSIFIED//FOR OFFICIAL USE ONLY



Google Maps Hybrid View with Preview Window

<http://maps.google.com/>

During 2006 Google also “updated the satellite data used for Google Maps so it now has the many updates recently made to the Google Earth database. This means the new high resolution data for all of Germany, many places in Europe...and many other places are now available to Google Maps users.”⁸³

Google Earth represents a revolution in mapping technology. Google Earth is a geographic search and “fly” tool that combines the detailed three-dimensional satellite imagery from Google’s Keyhole property with Google’s local search and direction finding available at Google maps. Google Earth lets users:

- Fly from space to your neighborhood. Type in an address and zoom right in.
- Search for schools, parks, restaurants, and hotels. Get driving directions.
- Tilt and rotate the view to see 3D terrain and buildings.

⁸³ Frank Taylor, “Google Maps Gets Huge Satellite Update from Google Earth,” Google Earth Blog, 24 April 2006, <http://www.earthblog.com/blog/archives/2006/04/google_maps_and.html> (30 October 2006).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

- Save and share your searches and favorites. Even add your own annotations.⁸⁴

The Google Earth data is not limited to the US. "The whole world is covered with medium resolution imagery and terrain data. This resolution allows you to see major geographic features and man-made development such as towns, but not detail of individual buildings. Additional high-resolution imagery which reveals detail for individual buildings is available for most of the major cities in the US, Western Europe, Canada, and the UK. 3D buildings are represented in 38 US cities (the major urban areas). Detailed road maps are available for the US, Canada, the UK, and Western Europe. And Google Local search is available for the US, Canada, and the UK."⁸⁵ And all this is free for personal use and does not require registration.

All the news about Google Earth is not good, however.

- it's a download, which means many organizational policies will prohibit its use on the job.
- it will not run on Apples.
- it is only designed to work on Windows XP or 2000 (other MS operating systems are not supported).
- it's designed to run on broadband Internet connections, so I do not recommend running it on a slow connection.
- it requires a 3D graphics card: 3D-capable video card with 16MB VRAM, but many common graphics cards are not supported.
- while the basic software is free, there are two upgrades, a yearly subscription for Google Earth Plus with higher resolutions, GPS support, etc., and a more expensive business and professional version called Google Earth Pro (a 7-day free trial is available if you're curious).

However, if you are able to use Google Earth, it is amazing. I recommend using the extensive Google Earth help files available at Keyhole. One of the hottest trends on the web at the moment is map hacks or mash-ups. The Google Earth Hacks website brings you lots of free downloads designed to be used in conjunction with Google Earth.

Google Earth

<http://earth.google.com/>

Google Earth Help

<http://www.keyhole.com/GoogleEarthHelp/GoogleEarth.htm>

⁸⁴ Google Earth, <<http://earth.google.com/>> (30 October 2006).

⁸⁵ Google Earth FAQ, <<http://earth.google.com/faq.html>> (30 October 2006).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Google Earth Hacks

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

Google now has street-level mapping capabilities for Andorra, Australia, Austria, Belgium, Canada, Czech Republic, Denmark, Finland, France, Germany, Gibraltar, Greece, Hungary, Ireland, Italy, Japan, Liechtenstein, Luxembourg, Monaco, Netherlands, New Zealand, Norway, Poland, Portugal, Russia (Moscow only), San Marino, Slovakia, Spain, Sweden, Switzerland, Turkey (Istanbul only), the United Kingdom, and the United States. Although no separate websites exist for most of these country map sites, I expect they will eventually.

At present, Google has map websites for these countries:

- UK & Ireland — <http://maps.google.co.uk/>
- Canada — <http://maps.google.ca/>
- Australia (includes New Zealand) — <http://maps.google.com.au/>
- China — <http://bendi.google.com/>
- Germany — <http://maps.google.de/>
- Spain — <http://maps.google.es/>
- France — <http://maps.google.fr/>
- Italy — <http://maps.google.it/>
- The Netherlands — <http://maps.google.nl/>
- Japan — <http://local.google.co.jp/>

Google began offering local search and maps specifically for Japan during 2005. Both sites are in Japanese. However, Google maps Japan, which offers both street-level and satellite images for some of Japan, recognizes input in *romaji* (Latinized spellings of Japanese words). Here is a search on [Tokyo] showing the results in Google maps satellite images.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Google

マップ ローカル検索

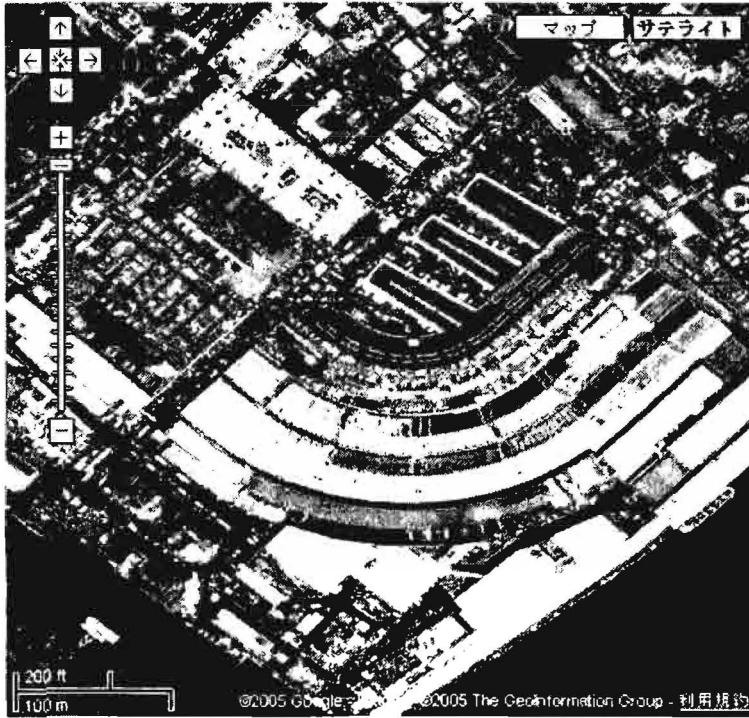
tokyd

場所 4 点

検索

ヘルプ

マップ



印刷 メール このページのリンク

Tōkyō

Google Maps Japan

<http://maps.google.co.jp/>

Google Maps and Google Earth, also helped inspire a cottage industry of what are termed "mashups," a music industry term transformed into computer slang meaning to "mix at least two different services from disparate, and even competing, websites." The best known mashups involve overlaying data such as subway routes, and crime statistics onto Google, Yahoo, Live Local, or other maps. This is a Google Maps Mashup showing cellular towers in Boston using the Hybrid view, i.e., street and satellite maps combined.

[Comments](#) **Towers**



117,562
antennas last
updated on
Sept 19, 2005

Cell Phone Tower Search

City
 --

Cell Phone Buying Guide

1. [Why Cell Phones Get Bad](#)
2. [Finding Cell Phone Services](#)
3. [Choosing The Right Cell Phone](#)
4. [Cell Phone Number Portability](#)

Cell Phone Reviews

- [Samsung SGH-E635](#)
- [Nokia 6102](#)
- [LG VX9800](#)
- [Motorola PEBL U6](#)
- [Motorola ROKR E1](#)
- [Motorola SLVR L7](#)
- [LG VX8100](#)
- [Motorola E615](#)
- [Motorola V635](#)
- [Motorola V330](#)
- [Samsung SGH-P777](#)

Mobiledia.com

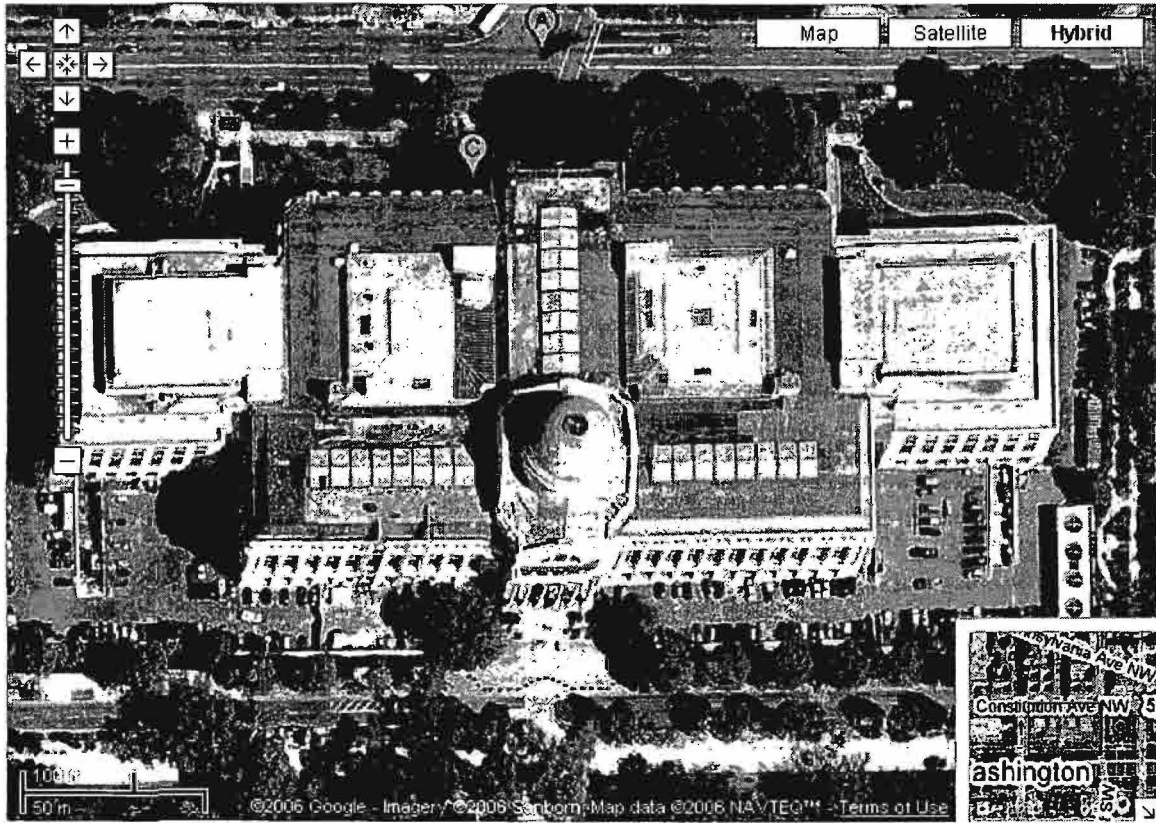
<http://www.cellreception.com/>

Microsoft's Live Local Powered by Virtual Earth

Microsoft fought back with some amazing technology of its own called Virtual Earth. With the appearance of Windows Live and Live Local, Virtual Earth became the power behind these searches and the former Virtual Earth site now takes users to Live Local.

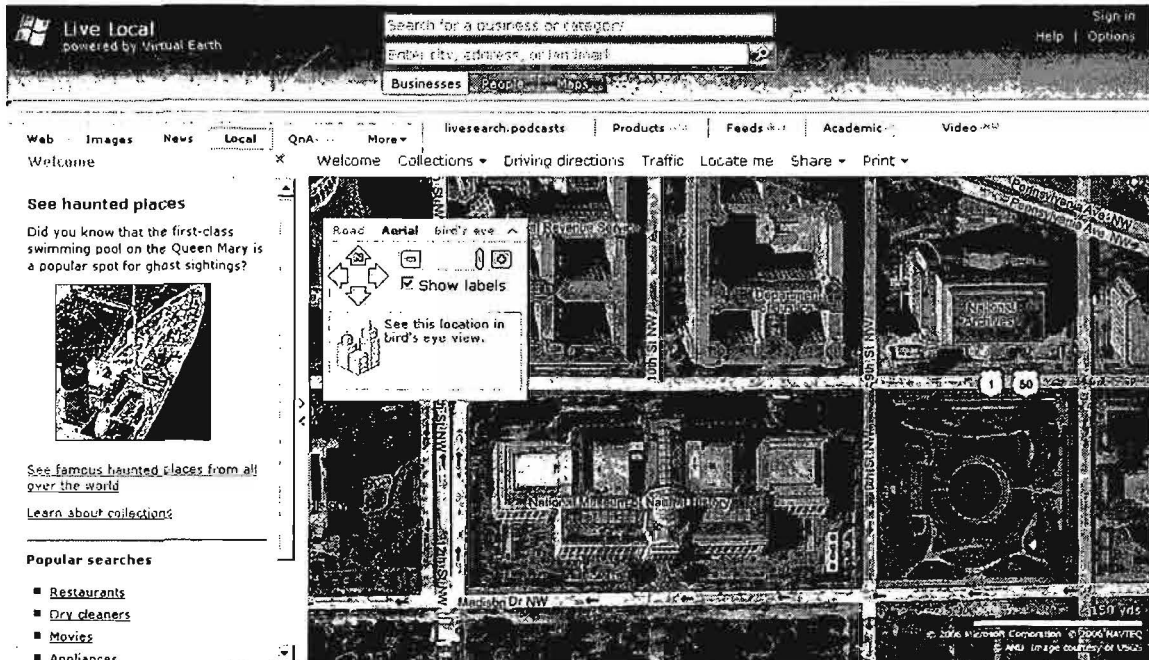
Compare Google Maps' highest resolution hybrid view of the Natural History Museum in Washington, D.C., with the highest resolution image of Windows Live Local aerial view, with labels. You can see that Google Maps (using satellite imagery from Google Earth) now has the edge in better resolution and also offers a larger, easier to view image. Also, I find Google Maps not only much faster to load but easier to search and navigate.

UNCLASSIFIED//FOR OFFICIAL USE ONLY



Google Maps Hybrid

<http://maps.google.com/>

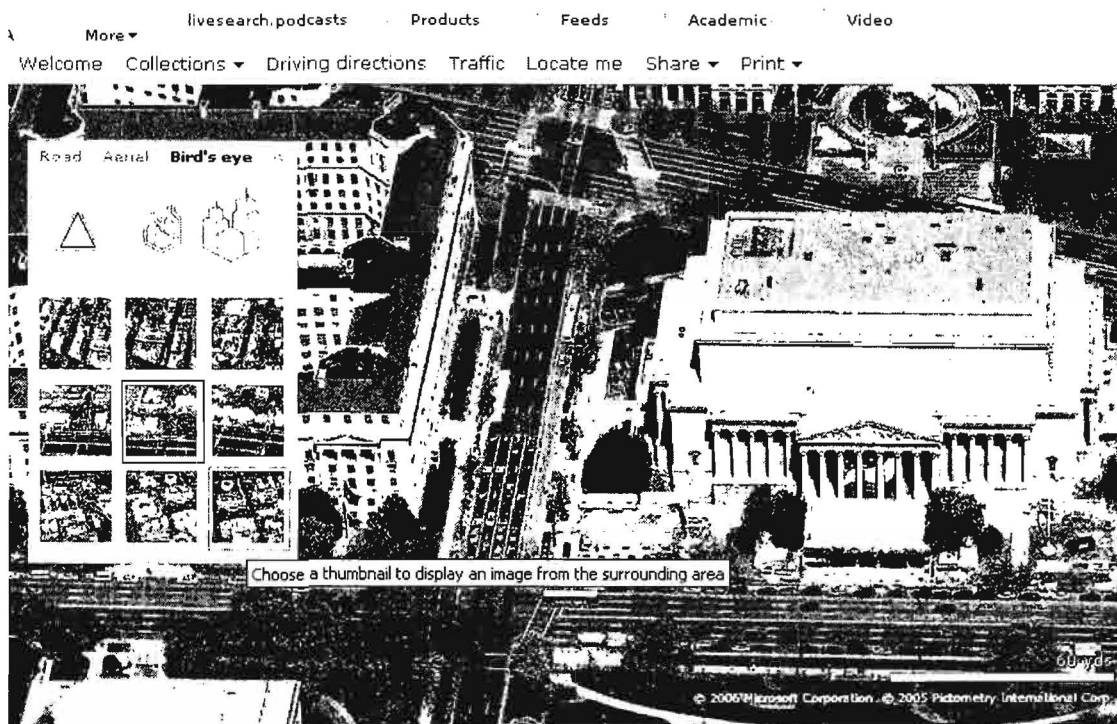


~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Windows Live Local powered by Virtual Earth

<http://local.live.com/>

However, Windows Live Local has one amazing feature that Google Maps does not. Windows Live Local offers "Bird's Eye View," which are images licensed from Pictometry International at a 45-degree angle instead of directly overhead. "To date, Pictometry information is available for geographic areas accounting for about 25 percent of the U.S. population, including the greater metropolitan areas of Manhattan, Seattle, Los Angeles and San Francisco. Microsoft will continue to work with Pictometry to shoot more landscapes, with a focus on highly populated areas and tourist destinations such as Las Vegas, which already shows up in bird's-eye view."⁸⁶ More locations are being added.



Clicking the rotation arrows (N S E W) in the navigation panel, displays a 360° panoramic view that is genuinely breathtaking. If you right-click anywhere on the map you can add your own pushpins. Live Local also offers a "Scratch Pad" to make notes about a location. For users who want to learn more about using Bird's Eye View and Live Local maps in general, there are several blogs devoted to Windows Live Local that I find far more useful than Microsoft's Live help.

Windows Live Spaces/Virtual Earth

<http://virtualearth.spaces.live.com/>

⁸⁶ Susan Kuchinskas, "Windows Live Local Offers a New View," InternetNews.com, 8 December 2005, <<http://www.internetnews.com/ent-news/article.php/3569386>> (30 October 2006).

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~Virtual Earth Developers <http://blogs.msdn.com/virtualearth/default.aspx>Bird's Eye Tourist <http://www.birdseyetourist.com/>

Early in 2006 the Virtual Earth Team introduced street views (something only A9 had previously tried to do in the US). Here's the announcement:

The Virtual Earth team is pleased to launch a preview of a new feature we have been working on – interactive Street-side browsing. You can try it out at <http://preview.local.live.com> Street-side imagery allows you to drive around a city looking at the world around you as if you were in a car. But unlike the real world, you can stop your car anywhere you like and rotate your view around 360degrees. Currently we have street-side imagery for San Francisco and Seattle online.⁸⁷

I love this technology because there is nothing like being able to “walk” or “drive” through an unfamiliar location to get your bearings. However, with the demise of A9 Maps, I am not sure this type of “you are there” technology is here to stay. The excellent European sites that offer similar options. France Telecom's [Pages Jaunes](#) and Spain's Callejero Fotografico offer similar “stroll” technologies.



Virtual Earth Technology Preview

<http://preview.local.live.com/>

⁸⁷ Sean Rowe, Program Manager, Virtual Earth, Live Search Weblog, 28 February 2006, <http://blogs.msdn.com/livesearch/archive/2006/02/28/540724.aspx> > (31 October 2006).

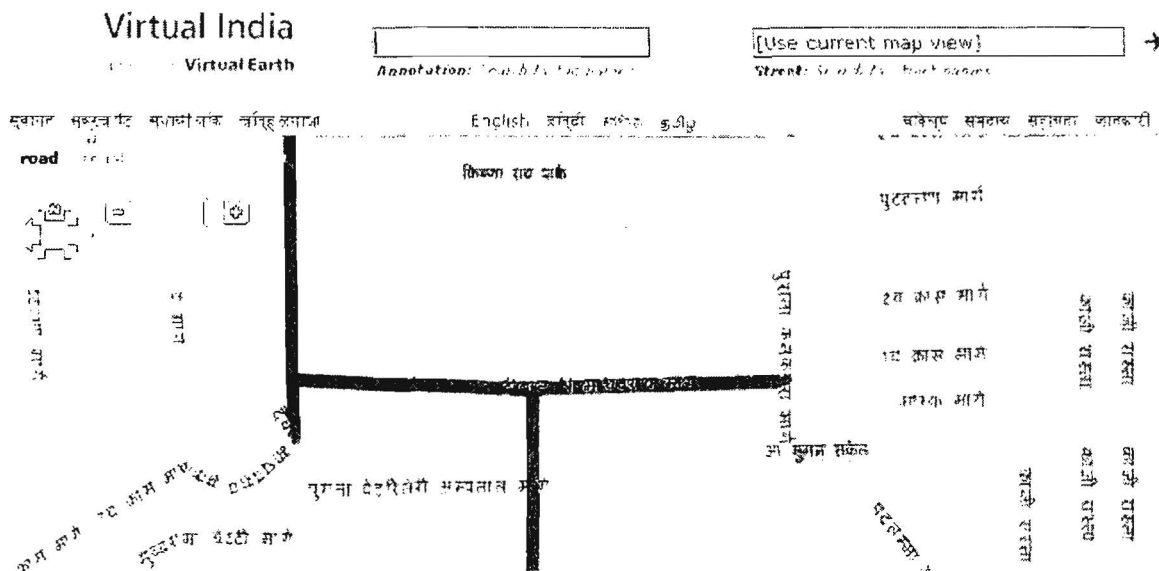
UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

At the end of 2006 Microsoft announced **Virtual Earth 3D**, which offers truly stunning views of many US cities. The downside of this technology is that it requires Internet Explorer and certain other Microsoft-specific software in order to run.

Microsoft Research, in partnership with the Government of India's Department of Science and Technology, is working on an interesting project powered by Microsoft Virtual Earth technology. According to the website, "The primary goal of this project is to explore novel and effective ways to collect and disseminate geospatial data and leverage multi-lingual technologies within maps. We currently have fairly limited data—1:1M India-wide data as well as 1:8000 Bangalore city data."⁸⁸

Right now, the only street-level maps are for Bangalore; users cannot add pushpins (I tried unsuccessfully to view them but neither the annotation nor street search was working). However, the concept is a good one. Imagine having street-level and perhaps even aerial maps of an entire country in all that country's languages. Even now, you can view the maps in English, Hindi, Tamil, and Kannada, although Microsoft does caution there are inevitably errors in their rendering of the place names. There is no doubt this is an interesting experiment and I feel pretty confident MS didn't pick India randomly.

Here's a shot of a portion of Bangalore rendered in Hindi:



Microsoft Research Virtual India Project <http://research.microsoft.com/virtualindia/>
 Virtual India Website <http://virtualindia.msresearch.in/>

⁸⁸ Welcome to the Virtual India Project! Microsoft Research-15, 2006, <<http://research.microsoft.com/virtualindia/>> (30 October 2006).

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Yahoo Maps

In early 2006 Yahoo Maps introduced high-resolution satellite, aerial, and hybrid images of the US, medium resolution imagery of the rest of the world, and medium resolution global maps and overlays. Yahoo Maps imagery is provided by Aerials Express and icubed. Despite what you may read, Yahoo Maps is using **both satellite imagery and aerial photography**, i.e., photographs taken from airplanes. Here's what Yahoo had to say about this development:

Here are the highlights:

Comprehensive Nationwide Satellite Imagery Coverage

Wall-to-wall coverage within the lower 48 states in the US. We are going for the best coverage nationwide, from the streets of New York to every inch of Redding, CA.

Global Satellite Imagery

The product features global images at 15 meters per pixel (zoom level 5, medium resolution), which basically lets you find and see every city, town, and major land feature in the world at medium resolution.

Global Maps

We're releasing maps and overlays at medium resolution for the whole world as well. This should help you view not only the suburbs of Bangkok, Thailand, but also help see the context of the imagery in hybrid mode.

APIs

The new imagery and global maps are available for API developers [<http://developer.yahoo.com/maps/index.html>](http://developer.yahoo.com/maps/index.html) on the Yahoo! Developer Network. [<http://developer.yahoo.com/>](http://developer.yahoo.com/) So whether you're new to the world of mashups or an experienced hacker, there is no better time to show off what you can do.

Better Views

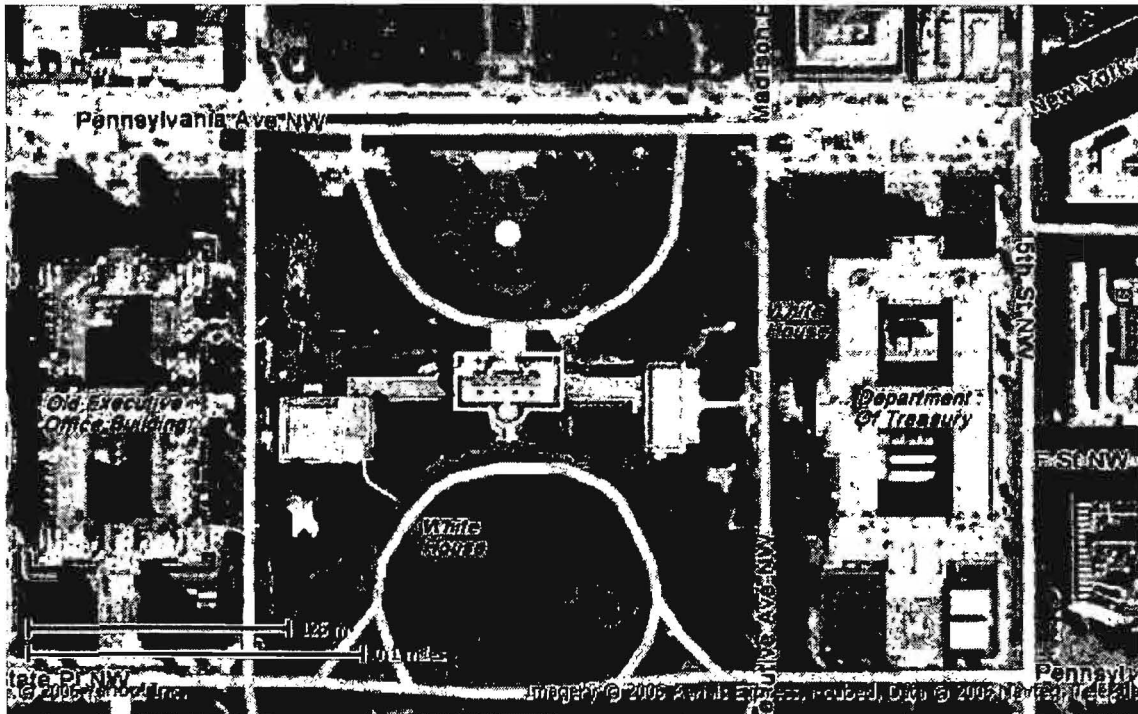
In addition to getting all the data we can, we're processing the satellite imagery to make the visuals more aesthetically pleasing for users. We're blending away seam lines and normalizing the color pallet to create a continuous plane of imagery.⁸⁹

⁸⁹ Michael Lawless and Vince Maniago, "Mo' Beta Maps," Yahoo! Search Blog, 11 April 2006, [<http://www.ysearchblog.com/archives/000286.html>](http://www.ysearchblog.com/archives/000286.html) (30 October 2006).

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

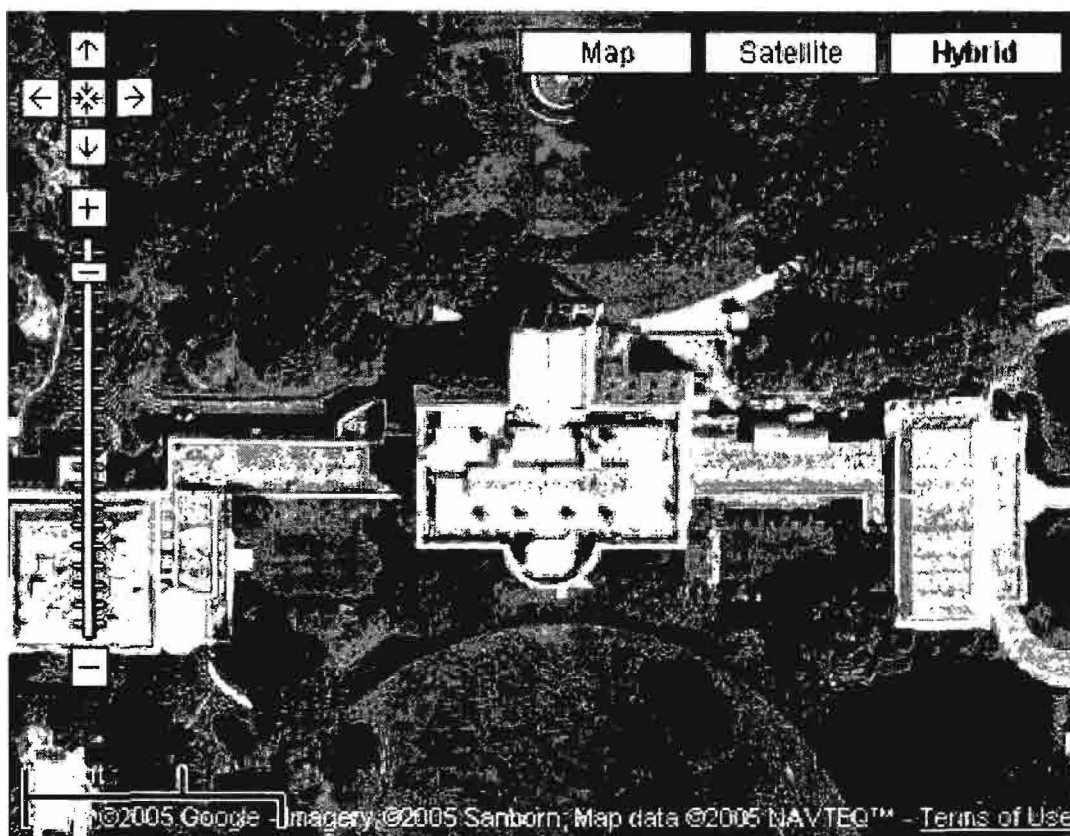
~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Of course the first question is how do Yahoo's images stack up to Google's and Microsoft's? Here are three screenshots of downtown Washington, DC (Microsoft's Virtual Earth imagery slightly obfuscates the White House and surrounding areas, so I chose a clearer image of downtown DC).



Yahoo Maps' hybrid image of the White House and surrounding areas using Yahoo Maps Local (Beta). <http://maps.yahoo.com/beta/>

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Google Maps' hybrid image of the White House (at this resolution, the hybrid identifications disappear; there is actually one closer degree of resolution, but it is fuzzy).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Microsoft's Virtual Earth "Bird's Eye View" of downtown Washington, DC.

Yahoo offers three APIs—their own Simple API, [AJAX](#), and Macromedia Flash—for use with Yahoo mapping technology. The Simple API lets users create customized Yahoo maps using just a text editor. By offering several different options for creating mashups, Yahoo appeals to differing levels of expertise, from “no programming” to fairly sophisticated embedded scripts. Yahoo maps also offers “building block APIs” including geocoding, Yahoo Local, traffic information, and map images.

Building Block Components

Several Yahoo! APIs help you create a powerful and useful Yahoo! Maps mashups. Use these together with the Yahoo! Maps APIs to enhance the user experience.

[Geocoding API](#) - Pass in location data by address and receive geocoded (encoded with latitude-longitude) responses.

[Map Image API](#) - Stitch map images together to build your own maps for usage in custom applications, including mobile and offline use.

[Traffic APIs](#) - Build applications that take dynamic traffic report data to help you plan optimal routes and keep on top of your commute using either our [REST API](#) or [Dynamic RSS Feed](#).

[Local Search APIs](#) - Query against the Yahoo! Local service, which now returns longitude-latitude with every search result for easy plotting on a map. Also new is the inclusion of ratings from Yahoo! users for each establishment to give added context.

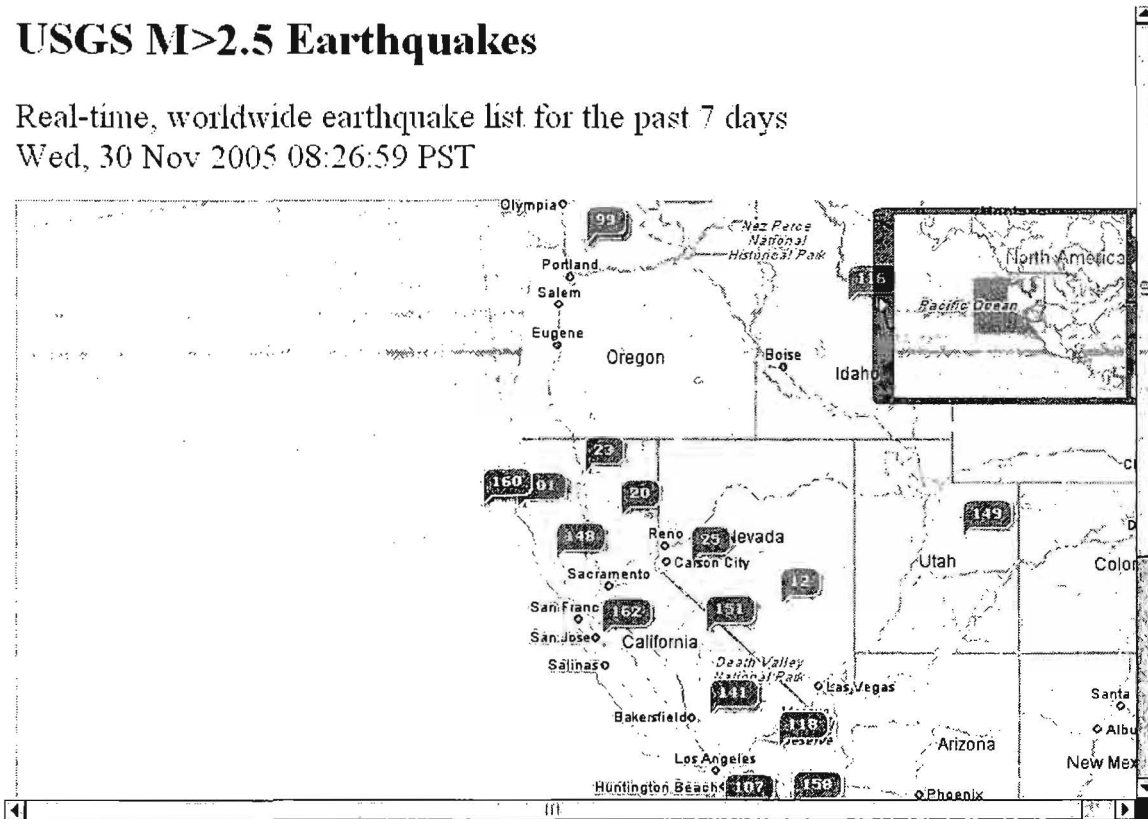
UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Yahoo offers a great deal of help to developers who want to use these APIs to create customized maps. Yahoo also permits third parties to host Yahoo map mashups on their own sites, which is something important for researchers to look for.

USGS M>2.5 Earthquakes

Real-time, worldwide earthquake list for the past 7 days
 Wed, 30 Nov 2005 08:26:59 PST



Yahoo is adding non-US local maps, using mapping technology provided by other sources, such as Map24 for European locations. Here is a sample of what you get for Germany. Notice the choice between static and dynamic maps, which allow users to move around the map using a mouse. At this time, I recommend skipping Yahoo Local in Europe and going directly to [Map24](#), which is much better.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//FOR OFFICIAL USE ONLY

YAHOO! LOKALE SUCHE Suchen nach: Stadt, Ort oder Postleitzahl: Diese Adresse speichern

München > Reise und Tourismus > Hotels

Lokale Ergebnisse Ergebnisse 1 - 10 von 720 Ergebnissen **hotel München, Bayern** ([Über diese Seite](#))

Ihr günstiges Hotel in München bei Hotels.com
 Qualitätshotels mit Tiefstpreisgarantie sicher online buchen.
www.hotels.com

[Sponsoren Links](#)

Top Hotels in München bei Expedia.de
 Günstige Hotels in München bequem & sicher online buchen.
www.expedia.de

Sortieren nach: Top Ergebnisse | Entfernung | A-Z

[Druckversion](#)

In Partnerschaft mit **DasÖrtliche**

1. **Savoy Hotel, Renner Hotels Savoy**
 (0 89) 2 87 87 - 0 Amalienstr. 25
 80333 München 0,98 km
[Karte](#) | [Routenplaner](#)

Alle anzeigen: [Hotels](#)

2. **Steigenberger Hotels AG Verkaufsbüro München**
 (0 89) 23 88 83 - 3 Sendlinger Str. 46
 80331 München 0,98 km
[Karte](#) | [Routenplaner](#)

Alle anzeigen: [Hotels](#)

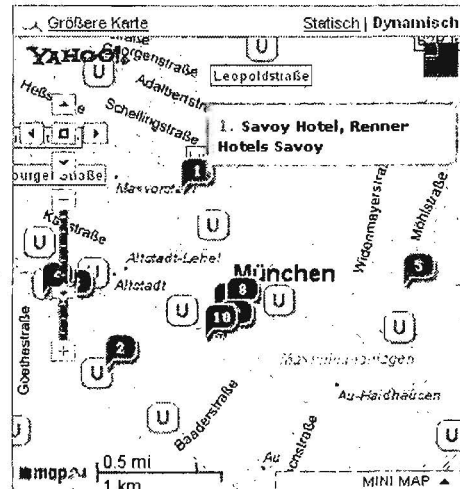
3. **Anna Hotel Hotels**
 (0 89) 5 99 94 - 0 Schützenstr. 1
 80335 München 1,21 km
[Karte](#) | [Routenplaner](#)

Alle anzeigen: [Hotels](#)

Suchergebnisse einschränken:

zeige Ergebnisse innerhalb:

vom Zentrum aus München, Bayern



Yahoo Maps

<http://maps.yahoo.com/>

Yahoo Map APIs

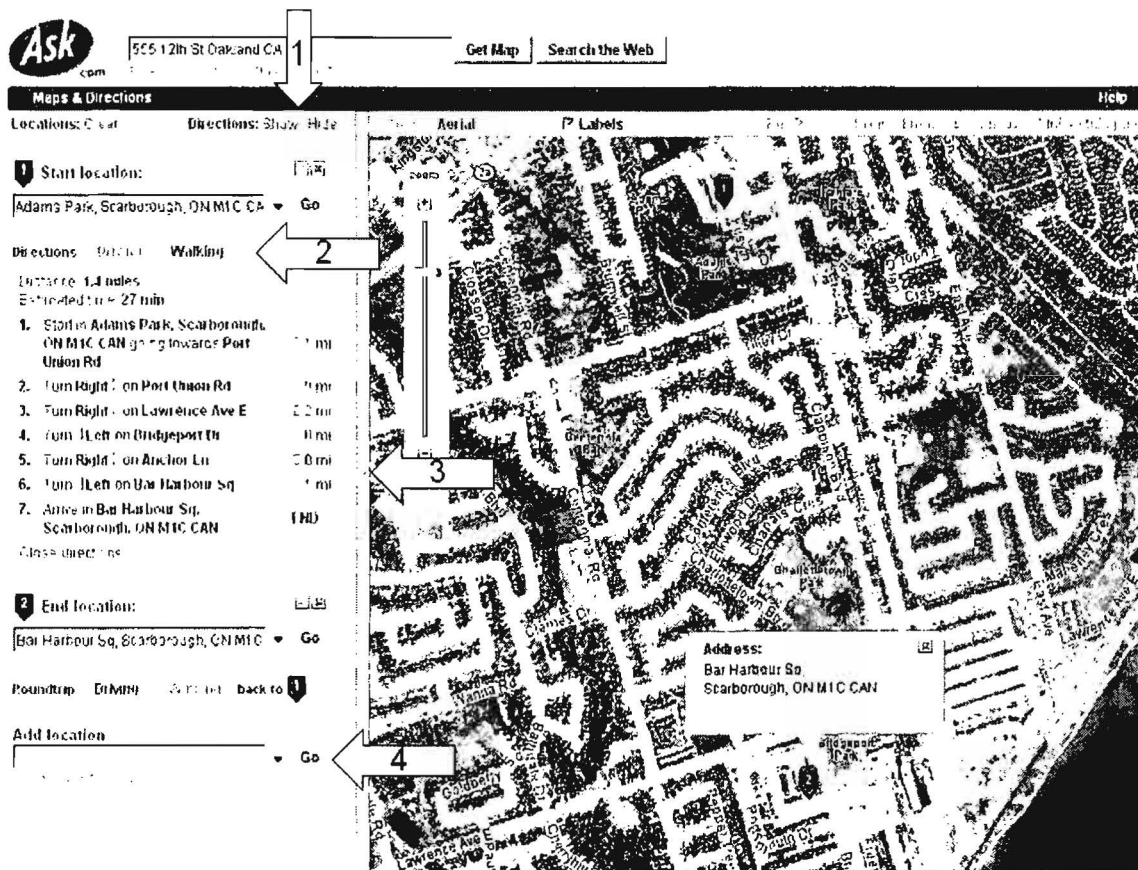
<http://developer.yahoo.net/maps/>

Ask Maps

The maps at Ask.com come from two familiar sources, Navteq and GlobeXplorer. However, what Ask has done with the source material makes them worth a special mention. As with other mapping sites, such as Google, Ask Maps allows users to choose between "aerial" and "physical" views with labels on or off (in Google, this means map, satellite, or hybrid (labeled) views). Ask Maps also uses address bubbles that can be closed and the ability to get directions between locations. As with Google Maps, Ask Maps offers the zoom in/out feature using the mouse scroll wheel.

Ask Maps adds the ability to:

- Show or hide directions (this is especially useful when you have very long, complicated directions).
- Choose between driving and walking directions; this is extremely useful when you are dealing with locations that have a lot of one-way streets, for example.
- Maximize the map with a simple click of the mouse, something Google Maps cannot do that annoys me to no end.
- The ability to add another location is much easier than with other mapping sites; right-click to add a push-pin location to the map.



In addition to the US and Canada, Ask Maps also offers coverage of parts of Europe. To see the current coverage, I recommend you check GlobeXplorer's website.

Ask Maps

<http://maps.ask.com/maps>

GlobeXplorer's Worldwide Satellite Imagery

<http://www.globexplorer.com/our-content/digital-globe.shtml>

International Map Sites

Map24

I highly recommend **Map24**, which offers country and city maps for many international locations. Map24 is one of the most technically sophisticated free web-based map such as Google Maps or Virtual Earth. As with these sites, **Map24 offers map, satellite, and hybrid views**. The site is set to redirect you to your country's map page, so if you want to see all the available international maps, you need to select **Language: Change** to see all the available languages and countries associated with them. For example, Portuguese is only associated with Brazil at Map24 even though a less detailed map of Portugal is offered.

map24 MyMap24: Login | Map: static | interactive | Language: Change

Start MyMap24 Products Help [Change country and/or language](#)

Map24 - International

Map24 is available in several languages for different countries around the World. Please choose your desired version.

Language	Country
Deutsch	[Flags]
Español	[Flags]
Norsk	[Flags]
English	[Flags]
Italiano	[Flags]
Nederlands	[Flags]
Français	[Flags]
Dansk	[Flags]
Suomi	[Flags]
Portugués	[Flags]
Svenska	[Flags]
Türkçe	[Flags]
Čeština	[Flags]
Polski	[Flags]
Íslenska	[Flags]

The global Map24 team is growing. Look for more countries and language versions in the near future.

Map24 Fleet System

FleetBoard DaimlerChrysler Services FleetBoard and MapTP make Transport companies drive economically.

MapTP Freight Charter

TimoCom TRUCK & CARGO TimoCom TRUCK & CARGO integrates MapTP mapping technology for roughly 16.000 customers.

InformationWeek recommends Map24

Map24 is a useful tool for road warriors. It goes beyond simple point-to-point navigation.

New! Free Map24 AJAX API

AJAX As of now Map24 is offering developers a Map24 AJAX API.

eCourier Firmly On the Map Thanks to Mapsolute

eCourier, the company that changed the way packages are delivered across London and the UK, celebrates a ...

BusinessMap24 Easy has arrived. Try our free 7-Day trial!

BusinessMap24 Easy is a powerful store locator for your personalized web presence.

Seamless zoom
Smooth actions
Extensive searches

Map24

<http://www.map24.com/>

Maporama

Maporama is especially useful because it has a number of detailed city and country maps. At present, Maporama offers more than 63 countries/locations. Where else are you going to find a street map of Riyadh, Saudi Arabia? Not every country or city is this detailed, but Maporama is an indispensable map and directions tool.

UNCLASSIFIED//FOR OFFICIAL USE ONLY

English

CORPORATE COMPANY | SOLUTIONS | PRODUCTS | TECHNOLOGY | CUSTOMERS | NEWS

maporama
The World My Way

EXPORT THE MAP

PERSONALISE YOUR MAP

STORE AND RETRIEVE

NEW SEARCH

Country: Saudi Arabia
Address, Station, Points of Interest:
Post Code:
City (mandatory)
Riyadh

©2006 Maporama, ADC Worldmap, NAVTEQ. www.annova-14c1.com

RIYADH() - Saudi Arabia
LAT-LONG:
24.64 (24°38') | 46.71 (46°42')

hotels.com
BOOKINGS
AccorHotels
octopustravel.com
Best Western
venere.com
IHS Hotels
superbreak.com
OTHER

Maporama

<http://world.maporama.com/>

Mappy

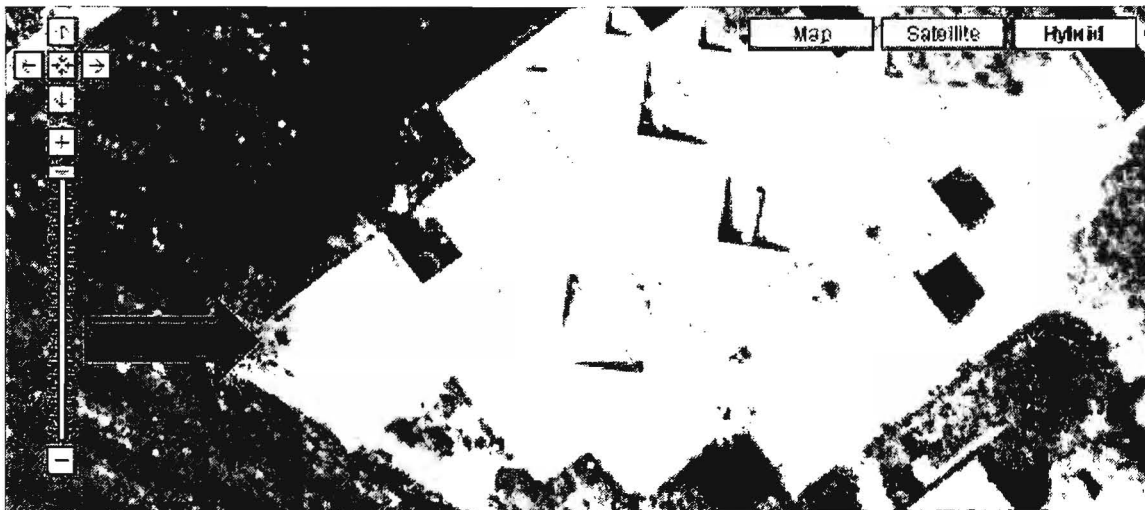
Despite not having the most felicitous of names, Mappy is nonetheless a wonderful map site. Mappy's parent company is Pages Jaunes Groupe. Mappy recently added **aerial views of a number of European cities**—26 total as of now—in France, Spain, Belgium, Germany, and the Czech Republic (only Prague for now). The aerial photo maps require Macromedia Flash.

Here is Mappy's aerial view of Flora Park in Amsterdam at the closest resolution; pay special attention to the roof of the large building where the arrow is pointing:

UNCLASSIFIED//FOR OFFICIAL USE ONLY



Not to be upstaged, in early 2006 Google “updated the satellite data used for Google Maps so it now has the many updates recently made to the Google Earth database. This means the new high resolution data for all of Germany, many places in Europe...and many other places are now available to Google Maps users.”⁹⁰ Here is the Google Maps hybrid image of the same location at the closest resolution Google Maps offers:



⁹⁰ Frank Taylor, “Google Maps Gets Huge Satellite Update from Google Earth,” Google Earth Blog, 24 April 2006, <http://www.gearthblog.com/blog/archives/2006/04/google_maps_and.html> (30 October 2006).

UNCLASSIFIED//FOR OFFICIAL USE ONLY

UNCLASSIFIED//FOR OFFICIAL USE ONLY

As you can tell even from these snapshots, the Mappy image is not as clear as those provided by Google. Also, Google Maps continues to be the hands down winner in navigating around the map smoothly.

Mappy is very good not only for travel directions but also for identifying local landmarks, hotels, cash machines, parking lots, etc. None of the other mapping sites can match Mappy in these areas yet, but it is clear the competition is fierce and map sites and services are only going to get better and better.

Mappy's Aerial Photos <http://www.mappy.com/> (select Maps | Aerial Photos)

Street-Level Map Views

Both France Telecom's **Pages Jaunes** and Spain's **Callejero Fotografico** (Photographic Street Guides) offer street-level views of cities using "stroll" technologies. These sites require the Macromedia Flash plug-in to use the visual maps. Both sites are worth a visit because they are both impressive and potentially very useful if you ever need to see a specific place in one of a number of French or Spanish cities. This is a snapshot from Pages Jaunes of the Place du Carrousel in downtown Paris. Note especially the icon below the photograph that lets you get a full 360-degree view of the location:

The screenshot shows the 'pages jaunes Photos de villes' interface. At the top left, the text reads 'pages jaunes Photos de villes'. To the right, there is a promotional banner: 'Mais non, va plutôt sur quidono.fr' with a small image of a mobile phone and a 'Pub' label. Below this, the search bar shows 'Paris - place du Carrousel'. A large photograph of the Place du Carrousel is displayed on the left. To the right of the photo is a map interface with search fields for 'N°', 'Rue', and 'Ville' (set to 'Paris'), and a 'Go' button. Below the map, there are navigation controls and a section titled 'Les professionnels s'affichent :'. At the bottom of the page, there are advertisements for 'Impression Personnalisee Jet d'encre et laser', 'Plus de 200 Modèles Pour tous Budgets', and '4000 taxis TAXIS G7'. A large black arrow points from the bottom of the photo towards a small icon representing a 360-degree view.

UNCLASSIFIED//FOR OFFICIAL USE ONLY

France Telecom's Pages Jaunes

<http://photos.pagesjaunes.fr/>

Spain's Callejero Fotografico

<http://www.qdq.com/indexfotos.asp>

Are they perfect? Of course not, but these sites do I think point to a future in which a variety of technologies—the Internet, GPS, digital photography—will be used together in increasingly creative ways to open the world in ways we are only beginning to imagine.

ViaMichelin

ViaMichelin maps cover the US and Canada as well as virtually all European countries. In fact, for Europe, ViaMichelin is hard to beat, especially for driving directions. Look at this street-level map of Lisbon (remember, as excellent as Map24 is, it doesn't cover Portugal). Users can even look for such things as speed cameras and roadwork.

The screenshot shows the ViaMichelin website interface. At the top, there is a navigation bar with links for Maps, Driving directions, Hotels, Tourism, Motoring, My ViaMichelin, and GPS Navigation. Below this is a search area for Portugal, with fields for address, station, region, city, and area. There are also filters for hotels nearby, arrival and departure dates, and number of persons. A detailed street-level map of Lisbon is displayed, showing various streets and landmarks. The map includes a scale bar (200m/500ft) and a key of symbols. The text 'AND REACH YOUR EMOTIONAL PEAK!' is prominently displayed at the top of the map area.

ViaMichelin (Europe, US, Canada)

<http://www.viamichelin.com/viamichelin/qbr/dyn/controller/Maps>

Best Mapping Sites

Ask Maps

<http://maps.ask.com/maps>

France Telecom's Pages Jaunes

<http://photos.pagesjaunes.fr/>

Google Earth (must be downloaded)

<http://earth.google.com/>

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Google Maps	http://maps.google.com/
Map24	http://www.map24.com/
MapQuest	http://www.mapquest.com/
Maporama	http://www.maporama.com/share/
Multimap (excellent source of maps worldwide)	http://www.multimap.com/
Spain's Callejero Fotografico	http://www.qdq.com/indexfotos.asp
Mappy (Europe)	http://www.mappy.com/
ViaMichelin (Europe, US, Canada)	http://www.viamichelin.com/viamichelin/gbr/dyn/controller/Maps
Windows Live Local/Virtual Earth	http://local.live.com/
Yahoo Maps	http://maps.yahoo.com/

Best Map MetaIndices

About's Maps	http://geography.about.com/science/geography/msub1.htm
Martindale's "Virtual" Geoscience Center	http://www.martindalecenter.com/GradGeoscience_5_GG.html
Odden's The Fascinating World of Maps and Map-Making	http://oddens.geog.uu.nl/index.html
Perry-Castaneda Library Map Collection at the University of Texas Austin	http://www.lib.utexas.edu/Libs/PCL/Map_collection/map_sites/map_sites.html
ReisWijs Route Planner Metasite	http://www.reiswijs.co.uk/routeplanner/routeplanner.html

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

"Mystery Hits"

I followed all these suggestions but I'm still getting hits that seem completely unrelated to my query. Why? There are a number of possible explanations:

- 1) You've included "stop" words that may be read as wildcards.
- 2) You're the victim of misleading keywords, e.g., "lutefisk" was included as a metatag keyword by the St. Paul Star Tribune because of its popularity in Minnesota to drive traffic to the website.
- 3) You're the victim of "tiny words" (font so small as to be invisible) or "hidden text" (text and background are the same color) on a webpage, both of which are often treated as spam by search engines.
- 4) The webpage may have changed between the time it was indexed and today.
- 5) You're the victim of flawed search software.

Uncovering the “Invisible” Internet

One of the most frustrating things about Internet search tools is the fact that even the best index only a portion of the web, much less the entire Internet. The deep (aka hidden or invisible) web continues to elude most search services and users seeking to plumb its depths. We are still, for the most part, dependent upon specialty tools and sites to help us find and exploit deep web resources. The challenge is how to access that part of the web that remains invisible to search engines. It is important to understand that search engines are generally designed to index a certain subset of the Internet: web pages and, in some cases, certain types of files, e.g., video, audio, PDF⁹¹. Furthermore, **most search engines limit their web page and document indexing**. For example, Google used to index approximately the first 100KB of HTML, and reportedly the first megabyte of PDF documents, but in October 2005, Google dramatically increased the size of its cache limit, although no one knows for sure what that limit is. Yahoo indexes at least the first 500KB of HTML and PDF documents. In any event, long documents usually are partially invisible to these and other search engines. You cannot rely upon a search engine spider to index long documents in their entirety.

A9 Search

At the end of September 2006, A9, the Amazon.com-owned search property, made sweeping changes, some good and some bad. Contrary to what some search bloggers said, A9 is not “dead” (at least not yet). But some of A9’s best features are gone. As I feared, not enough people used the wonderful “street view” map resource and now it is gone. As of September 29, 2006, A9 “discontinued A9 Maps and the A9 Yellow Pages (including BlockView™) ... [and] discontinued the A9 Instant Reward program, and the A9 Toolbar and personalized services such as history, bookmarks, and diary.” Other changes include “a new continuous scrolling feature, so you no longer have to bother with next and previous buttons to move from one page of results to the next. You can now also drag-and-drop the columns to change

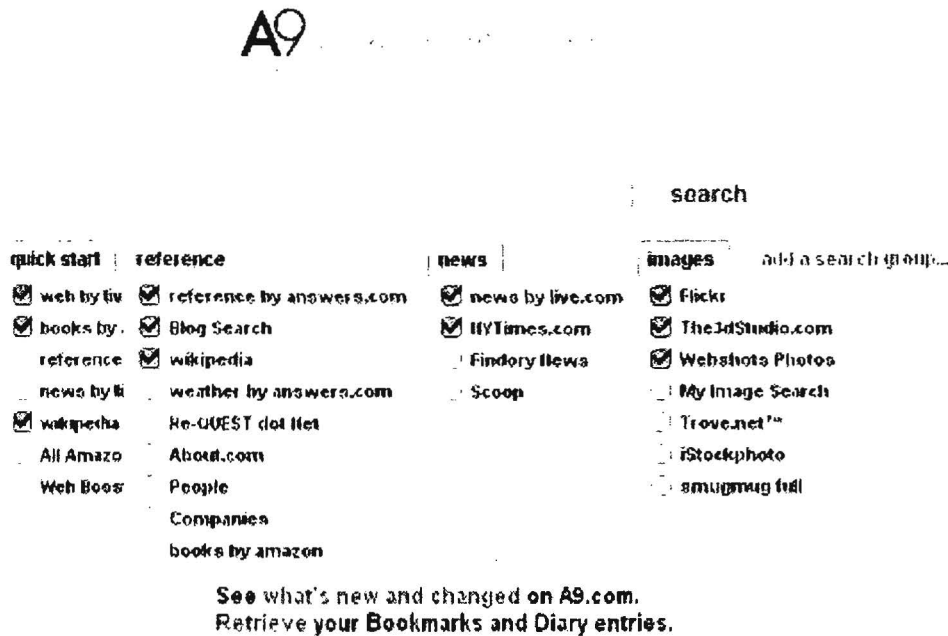
⁹¹ Google was the first major search engine to routinely index the *content* of many file types, including pdf, ps, xls, doc, ppt, and others. See “Google’s Frequently Asked Questions — File Types,” http://www.google.com/help/faq_filetypes.html (14 November 2006).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

their order on the page.”⁹² A9 had earlier switched from Google to Windows Live Search for its web and news searches.

Another big change that is not perhaps obvious to the casual user is that A9 no longer offers (or requires) that users log in and have every single query ever made at A9 recorded and retrievable. I do not think that A9’s eliminating the retention of personal search data is an accident given some infamous “leaks” of personal information by search services. In the past, I had recommended using the “generic” A9 interface if you did not want to log in to use A9; that requirement is now obviated.

The A9 homepage looks quite different. Notice that there are a number of options for searching that include dropdown menus to check the sources you wish to search.



While this is nice, it is not much of an improvement over the old A9. Also note the “add a search group” option on the right side of the page. If you click on that link, you will see the other search categories you can add to your main A9 search page to tailor it to your own needs.

⁹² “What’s New at A9.com,” A9, 29 September 2006, <<http://a9.com/-/company/whatsNew.jsp>> (5 October 2006).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//FOR OFFICIAL USE ONLY

add to your search group list

<p>Shopping BestStuff, Classifieds, Priceflo.com, Electronics, BaeBü Search, SecretPrices.com, NewUsedBuyer.com, ThinkGeek add group</p>	<p>Books books by amazon, RedLightGreen, isbn24, Lamson Library, MiamiU LibraryC, Melyf add group</p>
<p>Jobs Indeed Jobs, Job Search, Preferred Jobs, Jobs, LatPio, SimpleCareers add group</p>	<p>Code Search Koders, ThinkGeek, CPAN, Codase, ITPapers.com, RFC Search, Web Search, Javadocs, developerWorks add group</p>
<p>Jobs Furl, Web Search, Enlh, Re-QUEST dot Net, RSS & Atom Feeds, a9 columns add group</p>	<p>Health PubMed, CPSC Recalls, MedLibrary.org add group</p>

create your own group

There is a great deal of customization available at A9. By selecting "edit groups" you will be given the choice of nearly 500 sources either to add to the default search groups or, more likely, to create your own custom group and add sources to it. For example, you can easily create a Blog Search custom group to appear on the A9 homepage or you can edit the basic groups, adding and subtracting sources.

Another change at A9 that has not received the attention it deserves is the addition of "Web Booster" results. **Web Booster** is the Convera Excalibur web search service, which Clusty, Highbeam, and Govmine also use: "Web Booster makes standard search better by digging down into all the results pages you don't have time to read and pulling up information that you would otherwise miss. It is kind of like having a search helper who goes and gets information that might be of interest." In other word's Web Booster is a "deep web" resource, and it is a default search option on A9's quick start menu. A9 also retains what I think is one of its best features, i.e., results by column. Results from each of the search resources you choose to search appear in separate columns that are easily resizable. No other search service offers anything quite like this.

help | preferences

search

search groups:

quick start

- web by live.com
- books by amazon
- reference by answers.com
- news by live.com
- wikipedia
- AB Amazon.com
- Web Booster
- Blog Search
- more sources...

entertainment

reference

news

amazon.com

images

Blog Search

additional search groups...

books by Amazon.com

95 results

- 1 The Iran Threat: President Ahmadinejad and the Coming Nuclear Crisis**
by Akreza Jafarzadeh (23 January, 2007) - Fajr/ave Monitor
- 2 The Nuclear Sphinx of Tehran: Mahmoud Ahmadinejad and the State of Iran**
by Yusuf Maman and Mir Javadzadeh (28 February, 2007) - Control & Griat
- 3 2006 Iran Nuclear TI Governance and Military Document**

reference by answers.com

Answers.com

Available from Answers.com

- Personalities
- Encyclopedia
- Wikipedia

Other matching topics

- Aradan, Iran
- List of mayors of Tehran
- Kazem Vaziri Hamane
- Mohammad-Ali Ramin
- Mohammad Saeedi
- Controversies surrounding Mahmoud Ahmadinejad
- Bizhan Hamdar-Zangeneh
- Manouchehr Mottaki
- Safdar Hosseini

news by live.com

Windows Live

70,766 results

- 1 Iran Opens Nuclear Sites to Foreign Tourists**
TEHRAN, Iran - President Mahmoud Ahmadinejad has ordered authorities to open the doors of Iran's nuclear facilities to foreign tourists in order to prove that the country's disputed nuclear program has been successful, state-run television reported on Sunday.
- 2 Rice Fishes For Arab Allies Against Iran**
On Sunday, Iranian President Mahmoud Ahmadinejad reiterated in a speech to university graduates his refusal to suspend or halt nuclear program, and announced that he would instead order an expansion of uranium enrichment efforts Ahmadinejad rejected.
- 3 Tehran says nuclear consortium decision has still to be made**
The spokesman said that President Mahmoud Ahmadinejad had raised the issue last year at the United Nations.

Web Booster - ahmadinejad

7 results

- Search for Mahmoud Ahmadinejad → Iranian president
- Looking For This? ahmadinejad
- Expand Search: Iranian president
- Controversy Nuclear Dispute with Iran; Merkel Pushes Russian Diplomatic Role - International...
- International (teachers) BLOGWORKS: Bush: US Does Not Testify
- Biography SCG: International Risk
- Poll Results

A9's web and Web Booster results also include something called "Site Info." Simply moving the mouse over the "Site Info" box brings up this Alexa feature that shows various types of information Alexa has collected about the site.

help | preferences

search

search groups:

quick start

- web by live.com
- books by amazon
- reference by answers.com
- news by live.com
- wikipedia
- AB Amazon.com
- Web Booster
- Blog Search
- People
- Companies
- more sources...

entertainment

reference

news

amazon.com

images

Blog Search

on the web...

web by Windows Live

2,629,779 results

powered by Windows Live

- 1 Centers for Disease Control and Prevention**
CDC offers tips for travelers' health, training and employment resources, news updates, and reports on the spread of dangerous diseases.
Site Info
- 2 Travel: Health | CDC**
outbreak alerts, reference material, destination updates, cruise ship inspection scores, recommended
- US - Centers for Disease Control and Prevention (CDC)**
cdc.gov
- 8 Response Site**
lab information, emergency preparedness for business, preparation and planning, and surveillance.
- Prism Updates**
led by the Centers for Disease Control and ... Department of Health and Human Services, Centers for Disease
- 6 CDC WONDER**
CDC WONDER is a system for disseminating Public Health data and information. ... New Data: Vaccine Adverse Event Reports Released . Reports of adverse effects after vaccination by ...
http://wonder.cdc.gov/ - Cached - Site Info

About this site:

- Traffic Rank: 2,473
- Sites that Link here: 35,727
- Speed: Average (1.9 seconds)
- Online Since: 22-Aug-01

People who visit this page also visit:

- Occupational Safety & Health Admin
- U.S. Department of Health and Human
- Food and Drug Administration Easy

cal administration of its District, including, planning and managing community programmes. Information about its

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

In early 2006, two great resources came together. A9 added people search using the excellent ZoomInfo search tool. ZoomInfo (formerly Eliyon) is a “web summarization” site that contains over 26 million summaries of people on the web. According to its FAQ, “ZoomInfo automatically and continuously grows its base of Web Summaries from corporate and personal websites, government filings, press releases and other public sources. All information found by ZoomInfo and used to create your Web Summary comes from public sources and can be found by anyone by using most major search engines like Yahoo and Google.”⁹³ What ZoomInfo does for the user is to summarize that data and present it in easy to handle small packages. Basically, ZoomInfo does some of the “leg work” for you.

ZoomInfo is not one of the default settings on the A9 homepage, so you will need to add it by selecting “add a search group,” “Edit groups,” search for ZoomInfo, and add the ZoomInfo People and/or Company search to your A9 homepage. Here are the results for an A9 people and book search on Brewster Kahle of the Internet Archive fame:

The screenshot shows the A9 search interface. At the top left is the A9 logo. To its right is a search bar containing the text "brewster kahle" and a "search >" button. In the top right corner, there are links for "help" and "preferences". Below the search bar is a section titled "Search for People Summaries" with a sub-header "ZoomInfo Person Search for brewster kahle" and "5 results". The results are listed as follows:

- 1 Brewster Kahle at Internet Archive organization
said Kahle, standing at the podium inside the Golden Gate Club. - Founder of the Internet Archive, Kahle is an ebullient... (more)
(See info)
- 2 Brewster Kahle at The IESG
3. It is with regret that I report that Bernhard Stockman has resigned as Co-Director of the Operational Requirements Area of the IESG,... (more)
(See info)
- 3 Brewster Kahle at European Union
Brewster Kahle Joint Research Commission, European Union
(See info)
- 4 Brewster Kahle at Joint Research Commission, European Union
Brewster Kahle Joint Research Commission, European Union -
(See info)
- 5 Brewster Kahle at Life Liberty and the Pursuit of Happiness
Brewster Kahle
(See info)

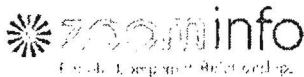
On the left side of the interface, there is a "search groups:" section with "search sources by topic:" and a "quick start" button. Below this are several radio button options: "web by live.com", "books by amazon", "reference by answers.com", "news by live.com", "wikipedia", "All Amazon.com", "Web Booster", "Blog Search", "People" (which is checked), and "Companies". There is also a "more sources..." link. Below the radio buttons are several categories: "entertainment", "reference", "news", "amazon.com", "images", "Blog Search", "on the web...", and "add/remove search groups..."

Now, when I click on the first hit under people summaries, I get a rather impressive dossier on Kahle. I can't show you nearly all of what is on this page—this is just the top part of an extensive entry that you will note was “automatically generated using 234 references found on the Internet.”

⁹³ FAQ, ZoomInfo, <<http://www.zoominfo.com/#>> (14 November 2006).

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//FOR OFFICIAL USE ONLY



Person | Company

Find Person:

Find | Be Found | PowerSearch | About Us



Mr. Brewster Kahle This is me
 Board Member

Electronic Frontier Foundation

[Add to Colleagues](#) | [Provide Feedback](#)

This summary was automatically generated using 181 references found on the Internet. How did ZoomInfo get this information?

Employment History

Founder
 Internet Archive - San Francisco, California

Founder
 Alexa Internet

Founder
 WAIS Inc. - California

[Show All](#)

[Upgrade to Premium Account](#)

Colleagues & Associates


✓ = Verified ✗ = Not Verified

[Print View...](#)

Keyword Search

- Board Member
- Electronic Frontier Foundation
- Organizations
- Charitable Organizations &
- Foundations
- Founder
- Internet Archive
- Media & Internet
- Search Engines & Internet Portals
- Alexa Internet
- Information Collection & Delivery

ZoomInfo also searches for "companies," but keep in mind that they index more than just companies or businesses—you will find all sorts of organizations, associations, academies, etc., in their database.



Person | Company

Find | Be Found | PowerSearch | About Us



Alcatel SA
 NYSE:ALA

26801 W. Agoura Rd.
 Calabasas, CA 91301
 USA

Phone: (818) 707-1220
 Fax: (818) 707-6298
 Website: www.alcatel.com

Industry: Manufacturing, Telecommunication Equipment
 Revenues: \$15.4 Billion
 Employees: 283516

This summary was automatically generated using information found on the Internet. View selected web references

Company Description

Alcatel provides communications solutions to telecommunication carriers, Internet service providers and enterprises for delivery of voice, data and video applications to their customers or employees. Alcatel brings its leading position in fixed and mobile broadband networks, applications and services, to help its partners and customers build a user-centric broadband world. With sales of EURO 13.1 billion and 58,000 employees in 2005, Alcatel operates in more than 130 countries.

BeFound Pro Features

Show all employees at Alcatel SA
 Show competitors to Alcatel SA

[Upgrade](#)

White Papers

Strategy White Paper: Convergent Transport Networks

Strategy White Paper: Beyond High-Speed Internet - Building Multi-Service Broadband

Metro Ethernet Quality of Services Technology White Paper

More

SEARCH BY
BNET

Summary Tools

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

You can also go directly to ZoomInfo to search companies and/or people.

ZoomInfo

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

Other features and facts about A9 you should know:

- “A9 Lite (lite.a9.com) is a version of A9.com that has been designed to work on older web browsers as well as many mobile devices. A9 Lite does not require JavaScript, so if JavaScript on your browser is turned off, or if you have an older browser, you will automatically be sent to A9 Lite. A9 Lite provides limited functionality, and does not have search groups, continuous scrolling, or the ability to add additional search sources.”⁹⁴
- advanced Live search options are available, and Live’s special web syntax appears to work.
- **continuous scroll** eliminates need to click to see more results.
- **cached** option is available.
- no “similar pages” or “more results from...” options.

Clearly, Amazon is ambivalent about A9 and its future, but given Amazon’s extraordinary accomplishments and the company’s innovative approach to providing information (and selling stuff), I hope A9 will not merely survive but thrive.

A9
A9 Lite

<http://a9.com/>
<http://lite.a9.com/>

Book Search

Google, Amazon/A9, Microsoft’s Live Book Search, and [Project Gutenberg](http://www.gutenberg.org/) <<http://www.gutenberg.org/>> provide an invaluable service for researchers that is not duplicated by any other type of search. This new approach to search is nothing short of a revolution in the way we are able to discover, access, and use information. Book search results are frequently better in terms of authoritativeness, utility, and thoroughness. However, I have found that the overlap among the three book search services appears to be even less than the overlap among web searches.

⁹⁴ A9 Help, <<http://a9.com/-/company/help.jsp#lite>> (10 October 2006).

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

If you are serious about in-depth research, you must use book search sites. The fact is, ***the information available through book search is for the most part entirely different from that provided by web search.*** I urge you to use this deep web source, which *Newsweek* correctly described as “a lightning bolt from the future.”⁹⁵

Amazon's “Search Inside the Book”

A9 (select “books by Amazon”)

<http://www.a9.com/>

Amazon (search “Books”)

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

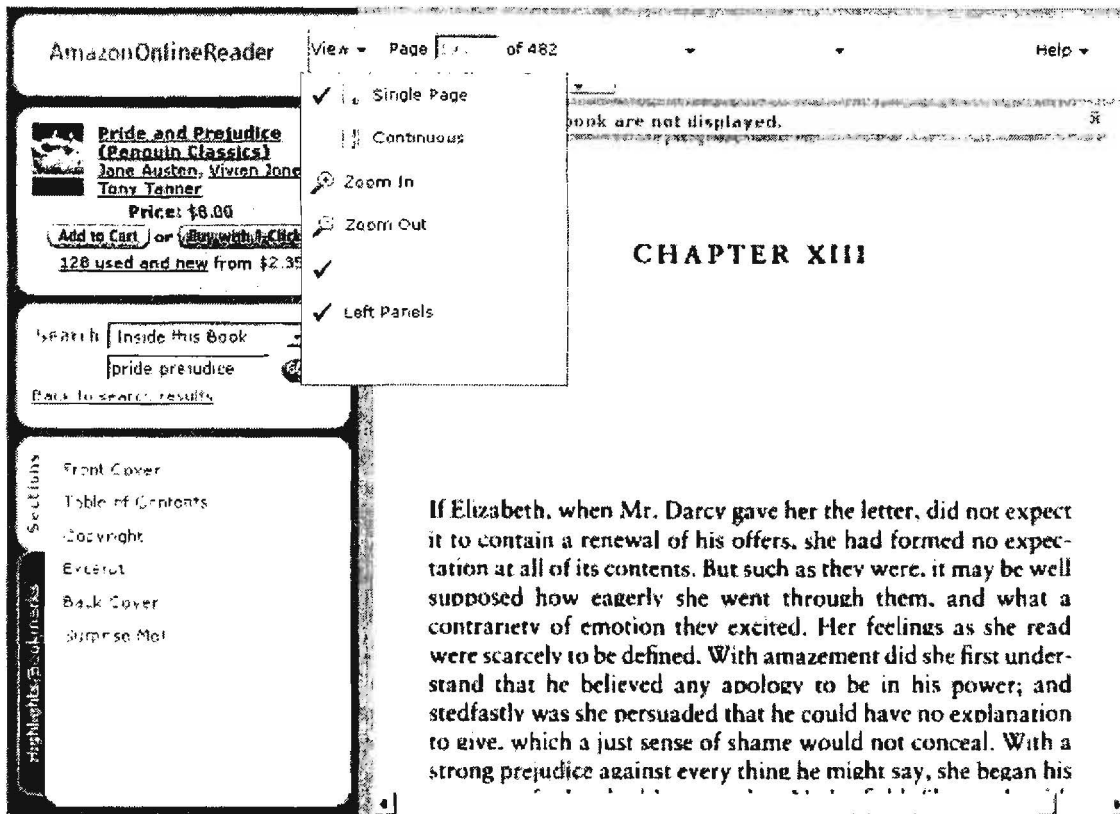
Despite its many options, the main reason for using A9 is **Amazon's Search Inside the Book** feature, a major and unique tool for researching the invisible web. Until I started using it, I did not realize how important and valuable this feature is for researchers. Search Inside the Book lets users search through millions of pages from hundreds of thousands of books in the Amazon catalog. Unlike most book searches, ***most of the searchable books at Amazon are still under copyright.*** To avoid copyright infringement problems, users can only access content of books for which Amazon has the publisher's permission to display copyrighted material. Also, while anyone can search inside the available books, only registered Amazon users can see the full text.

However, if you are able to register to use Amazon's service, Amazon's Search Inside the Book results are often better than web searches in terms of authoritativeness, utility, and thoroughness. Furthermore, ***Amazon's Search Inside the Book often lets users view the full content of books for which Google's and Live's book searches only provide limited views.***

Search Inside the Book is an option to search full text and full image content, but only as permitted by the publisher. This means that given two different editions of the same book—in this example, *Pride and Prejudice*—one is fully searchable while the other is not. How do you determine which books allow you to search their contents? ***Look for the “Search Inside” logo with any book at Amazon;*** if it is there, you can search the contents of the book (including front and back covers, table of contents, index, and text). Only keyword searching works (no phrases, for example) and ALL terms are searched. Here is an example of a search for [pride prejudice] in Austen's classic:

⁹⁵ Steven Levy, “Welcome to History 2.0,” *Newsweek*, 10 November 2003, <<http://www.msnbc.msn.com/id/3339649>> (14 November 2006).

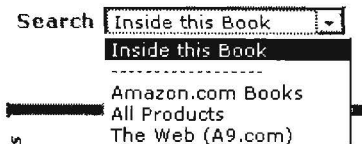
UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~



If Elizabeth, when Mr. Darcy gave her the letter, did not expect it to contain a renewal of his offers, she had formed no expectation at all of its contents. But such as they were, it may be well supposed how eagerly she went through them, and what a contrariety of emotion they excited. Her feelings as she read were scarcely to be defined. With amazement did she first understand that he believed any apology to be in his power; and stedfastly was she persuaded that he could have no explanation to give, which a just sense of shame would not conceal. With a strong prejudice against every thing he might say, she began his

Notice you can view the pages continuously, view just the image of the page, and zoom in or out. What you cannot do, unless you buy an upgrade, is print the book (or any part of it), add bookmarks, highlight passages, or copy portions. The conditions for upgrading your search inside the book options require that you purchase or have purchased from Amazon.com in the past the specific book you wish to search. At present, upgrades are only available to US customers.

Here are a couple of important things to remember about Amazon's Search Inside the Book: you can actually search the entire Amazon book database or even the entire Amazon product line from any search inside the book query screen. The dropdown search menu includes options to search all Amazon books or products.



Furthermore, the A9 search engine will also search inside all books in the Amazon database and does so more efficiently. From my experience, I can tell you that Amazon may claim it cannot find any results that match your search; however, selecting "Click here to see additional results that may be relevant to your search" brings up the same results you would get from an A9 search for the same term, so

always check those additional results just in case (or use A9 in the first place). As of now A9 remains the most efficient way to search inside the books at Amazon if you want to search across the Amazon database and not within a specific book. Look for the **“See more references to [keyword] in this book”** in the A9 book search.

The easiest way to understand the A9 search is to try it. Here are the results for the query [elliptic curve cryptography] limited to books by Amazon.

The screenshot shows the Amazon A9 search interface. At the top right, there are links for 'help' and 'preferences'. The search bar contains the text 'elliptic curve cryptography' and a 'search >' button. Below the search bar, the browser address bar shows 'books by Amazon.com' and the page indicates '1,474 results'. On the left side, there is a 'search groups:' section with a 'quick start' list including 'web by live.com', 'books by amazon' (checked), 'reference by answers.com', 'news by live.com', 'wikipedia', 'All Amazon.com', 'Web Booster', and 'Blog Search'. Below this is an 'entertainment reference' section with links for 'news', 'amazon.com', 'images', and 'Blog+Search'. The main search results are listed as follows:

- 1 **Advances in Elliptic Curve Cryptography (London Mathematical Society Lecture Note Series)**
by Ian F. Blake, Gadiel Seroussi, and Nigel P. Smart (31 May, 2005) - Cambridge University Press
- 2 **Guide to Elliptic Curve Cryptography (Springer Professional Computing)**
by Darrel Hankerson, Alfred J. Menezes, and Scott Vanstone () - Springer
- 3 **Implementing Elliptic Curve Cryptography**
by Michael Rosing (01 January, 1998) - Manning Publications
- 4 **Elliptic and Hyperelliptic Curve Cryptography: Theory and Practice**
by Henri Cohen, Gerhard Frey, Roberto Avanzi, Christophe Doche, Tanja Lange, Kim Nguyen, and Frederik Vercauteren (19 July, 2005) - Chapman & Hall/CRC
- 5 **Elliptic Curves (Discrete Mathematics and Its Applications)**
by Lawrence C. Washington (28 May, 2003) - Chapman & Hall/CRC
- 6 **Elliptic Curve Public Key Cryptosystems (The International Series in Engineering and Computer Science)**
by Alfred J. Menezes () - Springer
page 1. " ... and then proceed to introduce elliptic curve cryptosystems. 1.1 Private Key Cryptography The fundamental goal of cryptography has historically been to achieve ..."
See more references to elliptic curve cryptography in this book.

On the right are results from a search across the vast Amazon database. If you click on a link to one of the books, that book's entry at Amazon appears, along with a new Search Inside the Book option. From here, you have to enter the search terms again (an extra step A9/Amazon would do well to eliminate). Here are the results for the query [fermat's last theorem] in this specific book:

The screenshot shows the AmazonOnlineReader interface. At the top, it says "AmazonOnlineReader" with navigation options like "View", "Page 1 of 448", "Help", and "Return to Amazon.com". Below this is a search bar with "fermat's last theore" entered. On the left side, there is a sidebar with "Sections" including "Table of Contents", "Copyright", "Excerpt", "Index", "Back Cover", and "Surprise Me!". The main content area displays the book title "Elliptic Curves (Discrete Mathematics and its Applications)" by Lawrence C. Washington, priced at \$84.99. Below the title, it says "1-10 of 23 pages with references to Fermat's last theorem:". A list of 8 numbered items follows, each with a page number and a brief description of the content related to Fermat's Last Theorem. For example, item 1 is "on Page 7:" and item 8 is "on Page 376:". The text in the list is partially obscured by a watermark.

As you can see, each of the 23 pages with references to Fermat's Last Theorem in this book appear in order. From here, you can select a specific page and view it, **but only if you are a registered Amazon user.**

The screenshot shows the Amazon Online Reader interface. At the top, it says "Amazon Online Reader" with "View" and "Page 15 of 448" options. A "Return to Amazon.com" link is in the top right. Below the header is a "Your Online Books" dropdown menu. The main content area is titled "Copyrighted Material" and shows page 36 of "CHAPTER 13 THE BASIC THEORY". The text discusses a transformation to Weierstrass form and mentions Fermat's Last Theorem. A sidebar on the left contains a search box with "fermat's last theorem" entered, a "Back to search results" link, and a "Sections" menu with items like "Table of Contents", "Copyright", "Excerpt", "Index", "Back Cover", and "Surprise Me!".

Copyrighted Material

36 CHAPTER 13 THE BASIC THEORY

variables that transform the equation to Weierstrass form (although possibly $4A^2 + 27B^2 = 0$). The procedure is fairly complicated (see 21 or [68]), so we restrict our attention to a specific example.

Consider the cubic form of equation

$$x^3 + y^3 = z^3. \quad (1)$$

It is clear that this equation has no rational solutions with $xyz \neq 0$ was conjectured by the Arabs in the 900s and represents a special case of Fermat's Last Theorem, which asserts that the sum of two nonzero n th powers of integers cannot be a nonzero n th power when $n > 3$. The first proof in the case $n = 3$ was probably due to Fermat. We'll discuss some of the ideas for the proof in the general case in Chapter 13.

Suppose that $x^3 + y^3 = z^3$ and $xyz \neq 0$. Since $x^3 = z^3 - y^3 = (z - y)(z^2 + zy + y^2)$, we must have $z - y = x^2$. Write

$$z = y + x^2. \quad (2)$$

Then $(y + x^2)^3 = z^3 = x^3 + y^3 = 1 + y^3 + 6xy^2 + 1 = 0$. Divide by y^3 since $x \neq y = 0$, we have $(1 + x^2/y)^3 = 1 + 6(x^2/y) + 1 = 0$. Divide by $(1 + x^2/y)^2$

$$(1 + x^2/y) = 1 + 6(x^2/y)^2. \quad (3)$$

Let

$$t = \frac{6}{y} = \frac{12}{x^2 + y^2} = \frac{36}{x^2 + y^2} = \frac{36}{x^2 + y^2}.$$

Then

$$x^2 = t^2 - 36. \quad (4)$$

It can be shown that this is somewhat nontrivially that the only rational solutions to this equation are $(x, y) = (12, 36)$ and $(x, y) = (36, 12)$. The case $y_1 = 36$ yields $x = 12$ or $x = -12$, or $y = 0$. Similarly, $y_2 = 36$ yields $x = 0$. The point with $(x, y) = (12, 36)$ corresponds to $(z, x, y) = (42, 12, 36)$ which means that $42^3 = 12^3 + 36^3$. Therefore, there are no solutions to $x^3 + y^3 = z^3 = 0$ with $xyz \neq 0$.

Registered Amazon users can view the full text, although Amazon prohibits downloading or printing⁹⁶ of these pages for copyright reasons.

Until recently, no one really came close to Amazon's book search option, but Google and Live Search are making great strides with their respective book searches.

Google Book Search

<http://books.google.com/>

The shift during 2005 from the old Google Print, which was designed to "provide links to some popular book sellers that may offer the full versions of these publications for sale," to Google Book Search transformed this service into a genuine competitor of Amazon's Search Inside the Book.

As a further sign of Google's commitment to digitizing print materials and making them searchable, Google added a distinct Google Book Search homepage during 2005. Unlike Google's web search, Google Book Search only searches an index of

⁹⁶ There is an inelegant work-around to enable printing of pages inside books at Amazon; put your browser into full screen and select "Print Screen"; then paste the image into either Word or PowerPoint and print from there.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

books either from its publishers' collection or its library collection. It's important to understand the enormous significance of this search: Google Book Search searches the content of thousands of books. Here's what Google says about its service:

"When we find a book whose content contains a match for your search terms, we'll link to it in your search results. Click a book title and you'll see the Snippet View which, like a card catalog, shows information about the book plus a few snippets - a few sentences of your search term in context. You may also see the Sample Pages View if the publisher or author has given us permission or the Full Book View if the book is out of copyright. In all cases, you'll also see 'Buy this Book' links that lead directly to online bookstores where you can buy the book."⁹⁷

Each book indexed by Google includes an "About this book" page with basic bibliographic data like title, author, publication date, length and subject. There are three types of "views" for scanned books:

5. Full view: only for books that Google has publisher permission for or are in the public domain (out of copyright). If the book is in the public domain, users can download, save, and print a PDF version of the book.
6. Limited preview: books from Google's Partner Program permit users to view a few full pages. Even in limited preview users can run multiple searches within the book or browse the available pages.

The screenshot shows the Google Book Search interface. At the top, there are navigation links for Web, Images, Video, News, Maps, Desktop, and more. The search bar contains the text "al barakaat exchange" and a "Search Books" button. Below the search bar, there are options for "All books" and "Full view books". The search results section is titled "Book Search" and shows a single result for the book "Funding Evil: How Terrorism Is Financed -- And How to Stop It - Page 48" by Rachel Ehrenfeld, published in 2005. The result includes a small image of the book cover and a snippet of text: "... continued to maintain their association with his family and with him.79 Al-Barakaat Exchange The al-Barakaat Bank, headquartered in Dubai (which was one ...". Below the snippet, there are links for "Limited preview", "Table of Contents", and "About this book".

7. Snippet view: users can view the "About this book" page and search within the book. Search results will show a maximum of three snippets of text from the book with the query term highlighted.
8. No preview available: users will only see an "About this book" page with bibliographic information about the book and links to bookstores or libraries where the book may be available.

⁹⁷ About Google Book Search, <<http://print.google.com/googleprint/about.html>> (14 November 2006).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//FOR OFFICIAL USE ONLY

Even a limited preview can provide very useful information. As you can see, the query terms are highlighted in the text and there is a search box that permits additional searches inside the specific book. Furthermore, you can view the book's table of contents and index, read a summary, and find out more about the book.

Google Book Search | al barakaat exchange | Search Books | Sign in

Funding Evil: How Terrorism Is Financed -- And How to Stop It By Rachel Ehrenfeld

Page 49 | Full screen

The Islamicist Plague: Al-Qaeda 49

the Taliban, along with Saudi Arabia and Pakistan), was actively involved in the funding of terrorism. It was founded in 1989 by a Somali financier and close friend of Osama bin Laden, Ahmed Nur Iimale.⁶⁰ Iimale had become familiar with the American banking system while working between 1979 and 1986 at the Saudi American Bank, founded in Jeddah by Citibank.

Al-Barakaat North America was headquartered in Dorchester, Massachusetts, with branches in Minnesota, Ohio, and Washington State. Al-Barakaat's ties in the U.S. extended to the Royal Bank of Scotland; PLC's Citizens Bank Unit; JP Morgan Chase and Company's Chase Manhattan; KeyCorp's Key Bank Unit; First Data Corp's Western Union; and Citigroup's Citibank and SunTrust Bank. In addition, al-Barakaat worked with the American branch of al-Baraka Exchange, which financed yet another al-Qaeda-affiliated business, al-Haramain Trading, in Egypt and Chechnya. Al-Barakaat, together with still another bank, al-Faqwa, raised, managed, invested, and distributed funds for al-Qaeda; provided terrorists with Internet services; secured telephone communications; and arranged for shipments of weapons.⁶¹

Al-Barakaat also used the *hawala* services of another Dubai bank, the al-Baraka Exchange, to transfer close to \$1 million to the September 11 hijackers⁶² through Western Union Financial Services. (Western Union was fined \$8 million by New York bank regulators in 2002 for violating reporting requirements, enabling money laundering, and terrorist financing.)⁶³

Summary

By terrorism expert Rachel Ehrenfeld, uncovers the clandestine and sinister ways that Islamic terrorist groups finance their global network. Terrorist have grown increasingly savvy in ways to bolster their financial power....
[More about this book](#)

Contents

[Table of Contents](#)
[Title Page](#)
[Index](#) 279
[Copyright](#)

Buy this book

[Bonus Books, Inc.](#) - Publisher
[Amazon.com](#)
[Barnes&Noble.com](#)
[BookSense.com](#)
[Froogle](#)

[Find this book in a library](#)

Search in this book

Google Book Search offers a number of advanced search options either using the advanced search page or special syntax:

- **inpublisher:** Publishers such as W. W. Norton need only be searched as `inpublisher:norton`.
Example of how to use the **inpublisher:** command: `[inpublisher:o-reilly]`
- **inauthor:** Unless the author is Shakespeare or Chaucer, a full name search is advisable.
Example of how to use the **inauthor:** command: `[inauthor:patrick-o-brian]`
- **intitle:** Multiple word titles are best searched for as phrases, i.e., in double quotes.
Example of how to use the **intitle:** command: `[intitle:"nutmeg of consolation"]`
- **isbn:** Very useful for finding a specific edition of a book because the International Standard Book Number uniquely identifies each edition,

variation, or format.

Example of how to use the isbn: command: [isbn:0393030326]

All of these special search operators—with the exception of ISBN, which identifies a unique entry—can be used in combination or alone. For example, the query [inpublisher:norton] returns almost 61,000 pages from books published by W. W. Norton. I can add to this query a keyword for a title, e.g., [inpublisher:o-reilly intitle:programming] to see how many books O'Reilly publishes with *programming* in the title. Or I can look for keywords occurring anywhere in a specific publisher's books: [inpublisher:o-reilly "network security"].

To find public domain books that can be viewed using Google Books' Viewer and downloaded as PDFs, first restrict the search to "full view books" because all public domain books can be downloaded. However, the converse is not true: all full view books are not downloadable. How can you tell if a book can be downloaded? As of now, the only way to do so is to select the book and see if the **Download PDF option** appears, as it does here:

The screenshot shows the Google Books interface for the book "Introduction to Mathematics" by Alfred North Whitehead. The search bar at the top contains "author:whitehead intitle:mathematics". The book title "Introduction to Mathematics" is displayed, along with a "Search Books" button and a "Full screen" icon. The page number is 7. A "Two pages" label with an arrow points to the search icons. The main content area shows the title "AN INTRODUCTION TO MATHEMATICS" and "CHAPTER I THE ABSTRACT NATURE OF MATHEMATICS". The text begins with "THE study of mathematics is apt to commence in disappointment. The important applications of the science, the theoretical interest of its ideas, and the logical rigour of its methods, all generate the expectation of a speedy introduction to processes of interest. We are told that by its aid the stars are weighed and the billions of molecules in a drop of water are counted. Yet, like the ghost of Hamlet's father, this great science eludes the efforts of our mental weapons to grasp it—"Tis here, 'tis there, 'tis gone"—and what we do see does not suggest". On the right sidebar, there is a "Summary" section with a "Download PDF" button, an "About this book" link, a "Contents" section with a table of contents, a "Buy this book" section with links to Abebooks, Alibris, Amazon, Barnes&Noble, and Froogle, and a "Search in this book" section with a search box and a "Go" button.

Google Book Search [author:whitehead intitle:mathematics] Search Books

Introduction to Mathematics

Page 7

Two pages

AN INTRODUCTION TO MATHEMATICS

CHAPTER I

THE ABSTRACT NATURE OF MATHEMATICS

THE study of mathematics is apt to commence in disappointment. The important applications of the science, the theoretical interest of its ideas, and the logical rigour of its methods, all generate the expectation of a speedy introduction to processes of interest. We are told that by its aid the stars are weighed and the billions of molecules in a drop of water are counted. Yet, like the ghost of Hamlet's father, this great science eludes the efforts of our mental weapons to grasp it—"Tis here, 'tis there, 'tis gone"—and what we do see does not suggest

Summary

Download PDF

About this book

Contents

Table of Contents	
CHAP PAGE I THE...	7
VARIABLES	18
METHODS OF APPL	28
DYNAMICS	42
THE SYMBOLISM O...	58

more >

Buy this book

Abebooks

Alibris

Amazon

Barnes&Noble

Froogle

Find this book in a library

Search in this book

Go


UNCLASSIFIED//FOR OFFICIAL USE ONLY

Please note that you can also search inside the book from this page. Google Book Viewer includes a zoom option and the option to view one or two pages at a time, making the page-to-page scroll much smoother. I cannot recommend Google's "About This Book" option highly enough: it provides the book's publication information, a summary, links to find the book in a library or to buy it, the table of contents, selected pages, related books or references from the book, and key terms.

Google Book Search Iran Search Books Sign in

Iran: time for a new approach: Report of an independent task force By Brzezinski, Robert M.; Gates, Suzanne Meloney

Summary



Read this book

By Zbigniew K. Brzezinski, Robert Michael Gates, Suzanne Meloney

Published 2004
Council on Foreign Relations

Politics / Current Events

84 pages

ISBN 0876093454

Buy this book

[Amazon.com](#)
[Barnes&Noble.com](#)
[BookSense.com](#)
[Froggle](#)

Borrow this book

[Find this book in a library](#)

In this timely report, a bipartisan group of experts concludes that the Islamic Republic is solidly entrenched and that the urgency of the concerns around Iran's policies mandates that Washington deal with the current regime rather than wait it out. The Task Force -- co-chaired by former National Security Adviser Zbigniew Brzezinski and former Director of Central Intelligence Robert M. Gates -- recommends selective engagement with Tehran to promote regional stability, dissuade Iran from pursuing nuclear weapons, preserve reliable energy supplies, reduce the threat of terror, and address the 'democracy deficit' that pervades the Middle East as a whole. This volume includes a chronology of important dates in U.S.-Iranian history, economic and demographic facts about Iran, plus reference material on Iranian state institutions and governance. The report's recommendations have sparked debate in Washington and generated extensive coverage by U.S. and international media.

Contents

- [Executive Summary](#)
iranian, lebanon, nuclear
- [Task Force Report](#)
tehran, iraq, pezbollah
- [Additional and Dissenting Views](#)
nonproliferation, fuel, program
- [Task Force Members](#)
adviser, goldfield, scholar
- [Task Force Observer](#)
puneet, talwar, kupper
- [Iranian State Institutions and Political Actors](#)
islamic, hojatoleslam, ayatollah

Selected pages

1			
8			
49			
54			
59			
74			

Key terms

iran, task force, iran, islamic republic, tehran, iranian officials, iraq, hard liners, nuclear, iran, islamic, president khameini, alqaband, iran, iran nuclear, hezbollah, european union, persian gulf, saddam hussein, saudi arabia, north korea

Related books

- [Checking Iran's Nuclear Ambitions](#)
Introduction | Henry Sokolski | Checking Iran's Nuclear Ambitions
Report Recommendations NPEC Project on Iran | Iran's "Legal"

You will discover when you start looking at a PDF version of a book that these volumes were scanned by hand. You may even see images of people's hands as they place the books on the scanner, so don't be surprised if you see strange images. At this time, there are some problems with the downloaded files: "The PDF download seems to be have problems, as all the downloads stop at 1.3 MB, even though the files are much larger, but the bugs should be fixed."⁹⁸

⁹⁸ Ionut Alex. Chitu, "Download Public Domain Books from Google," Google Operating System Blog, 30 August 2006, <<http://googlesystem.blogspot.com/2006/08/download-public-domain-books-from.html>> (12 September 2006).

UNCLASSIFIED//FOR OFFICIAL USE ONLY

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

While there is no option to limit your search by language, you can also search Google Books in languages other than English simply by entering a query in another language, e.g., ["quedó el moro"] returns only books written in Spanish. However, many public domain books in other languages have not been scanned because the Google Book project thus far has focused mainly on US libraries. There are many Spanish, French, German books scanned into Google Books, for example, but very few in Arabic.

At the same time many US publishers were fighting Google Book Search, several European nations complained that Google was not offering to add non-English language materials to the database. In September 2005, Google opened Google Book Search to European publishers and added a number of new discrete webpages for Google Book Search in several non-English speaking countries. They are:

- Austria
- Belgium
- France
- Germany
- The Netherlands/Holland
- Italy
- Switzerland
- Spain
- Brazil

A number of European publishers expressed interest in participating in the digitization project, but of course similar copyright concerns raised by US publishers will have to be addressed for European and, eventually, other non-US publishers.⁹⁹

Even though users may use a specific country interface, they will probably see results from other countries' indices. Thus far, the European publishers that have signed pacts with Google are Grupo Planeta and Grupo Anaya of Spain, De Boeck and Editions De L'Eclat of France and Springer Science & Business Media of Holland. Interestingly, all this comes at a time when Google is embroiled in a lawsuit brought by the US book industry over alleged copyright violations. Google is trying to avoid a similar fight in Europe by limiting its book scanning to books that are either pre-1900 or in the public domain or from publishers with whom Google has signed agreements.

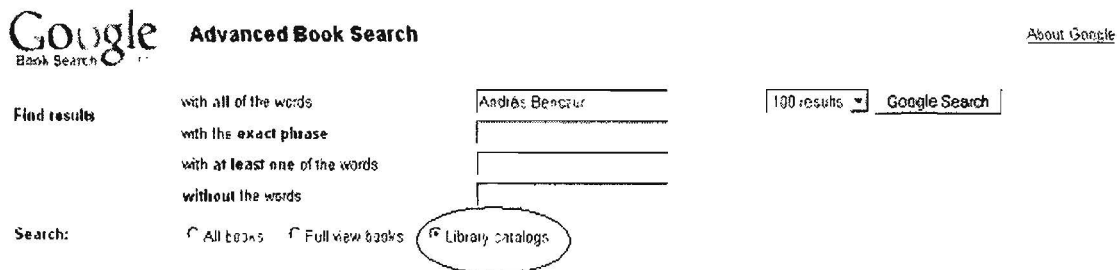
⁹⁹ Michael Liedtke, "Google Opens Digital Library to European Book Publishers," *The Detroit News*, 2 September 2005, <<http://www.detnews.com/2005/technology/0509/05/0tech-300866.htm>> (14 November 2006).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

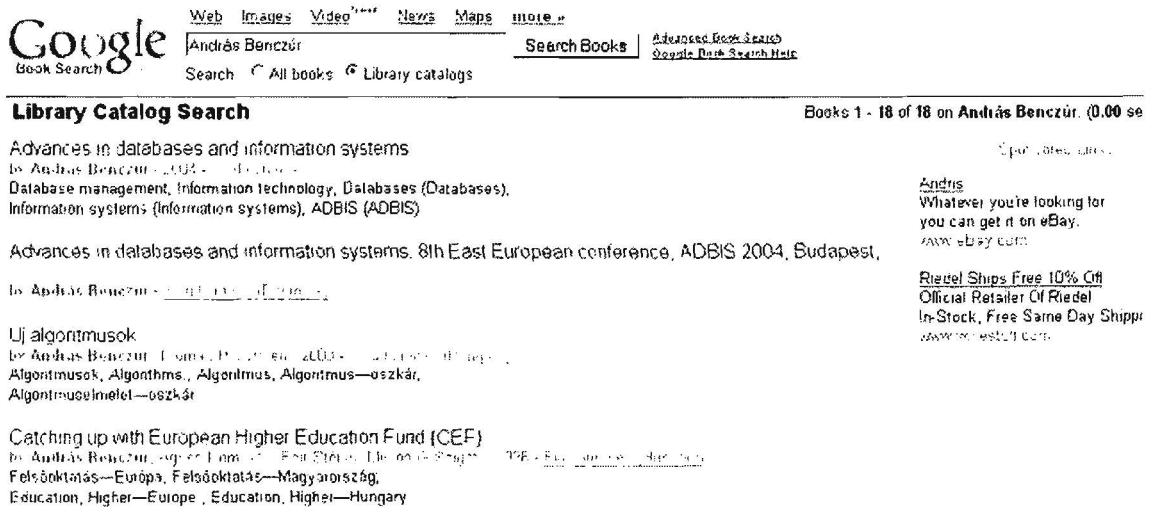
UNCLASSIFIED//FOR OFFICIAL USE ONLY

During 2006 Google also added a **Library Catalog Search** feature to Google Book Search. This feature will help searchers find books in libraries around the world. According to the Google Blog, "Queries on Google Book Search will automatically include results from library catalogs when appropriate. Each result includes a 'Find Libraries' link to help readers find libraries that hold the book—ideally a library nearby, or if need be, a library far away...we have worked with more than 15 library union catalogs that have information about libraries from more than 30 countries, as well as with our colleagues working on Google Scholar (which includes a similar feature just for scholarly books)."¹⁰⁰

Google Books advanced search has an option to limit a search to library catalogs, so if you know the book and want to see where it is available, this search makes it easy to find a library. Keep in mind that at present Google Books and WorldCat are searching a limited number of libraries and catalogs.



Use Google Books Advanced Search to limit query to library catalogs



¹⁰⁰ Bruno Fonseca, "Finding the wealth in your library (and everyone else's)," Google Blog, 24 August 24 2006, <<http://googleblog.blogspot.com/2006/08/finding-wealth-in-your-library-and.html>> (12 September 2006).

UNCLASSIFIED//FOR OFFICIAL USE ONLY

The other way to use the library search options is to click on the link for a book title and look for the "Find this book in a library" link. At this point, you enter a geographic location and the WorldCat search will try to locate the book as close to you as possible. In some cases, you may even be able to click through and reserve a book at a local library.

Find in a Library with WorldCat™

Search for items in libraries:

[My account](#) [Help](#)

Romancero del Cid : añadida y reformada sobre las antiguas que contiene doscientos y cinco romances [Request | Permalink](#)
 by Carolina Michaelis de Vasconcellos

Type: Spanish Book
 Publisher: Leipzig : F. A. Brockhaus, 1771
 OCLC: 2501506

Subjects: [Spanish language](#) [Romances](#)

Enter Location Information:
Enter postal code, state or zip code or country

Displaying results 1 - 4 of 4 United Kingdom

- Cambridge University** Cambridge, CB3 9DR United Kingdom
 Book
 Services: [LibriX](#) [eRead](#)
- Glasgow University Library** Glasgow, G1 28GE United Kingdom
 Book
 Services: [LibriX](#) [eRead](#)
- London Library** London, SW1T 4LL United Kingdom
 Book
 Services: [LibriX](#) [eRead](#)
- University of Oxford** Oxford, OX1 3LU United Kingdom
 Book

Find in a Library?

Search for:
 Romancero del Cid:
 añadida y reformada sobre
 las antiguas que contiene
 doscientos y cinco
 romances
 by Carolina
 Michaelis de Vasconcellos

[Find in a library anytime with always there browser tools](#)

[Learn more and download](#)

This is an excellent service that builds upon library catalog search and makes it more user friendly and accessible through a single interface.

Google is clearly trying to do for book content search what it did for web search, that is, make as much content freely available on line as possible. This may ultimately involve some sort of payment by users who wish to search, print, and download full text content for in copyright books, but for now Google is relying upon advertising to pay for Google Book Search. Google Book Search's future in large measure depends upon the outcome of the current battles between Google, Inc., and copyright holders and publishers, either through some mutual agreement or through litigation.

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~**Live Book Search (Beta)**<http://books.live.com/>

In December 2006 Microsoft introduced full text searches of public domain (out of copyright) books only. Libraries participating in the digitization project include the University of California system, Trinity College, and the University of Toronto (and Microsoft is actively trying to enlist other libraries). Lest you think that there is no need for yet another book search tool, let me assure you there is. As with search engines, there is a startling lack of overlap in book searches. It did not take me two minutes to find an example: Google did not return a single copy of John McTaggart Ellis McTaggart's *The Nature of Existence*, while Live Book Search found the book in the University of Toronto collection. As you can see, the public domain books may be viewed and searched in their entirety online or downloaded as a PDF.

The screenshot shows the Live Search interface. At the top, there is a search bar with the text "ohn mctaggart ellis mctaggart" and a "Sign in" button. Below the search bar, there are navigation tabs for "Web", "Images", "News", "Maps", "Classifieds", "More", "Books Beta", and "Academic Beta". The main content area is divided into two columns. The left column shows search results for "The Nature of Existence" by John McTaggart Ellis McTaggart, published by Dover in 1921-1927, with 340 pages. Below this, there is a "Search inside the book" section with a search box containing "organic unity" and a "Search" button. The results show 21 pages sorted by relevance. The first result is on page 166, discussing the value of organic unity. The second result is on page 162, discussing the whole and its parts. The third result is on page 161, discussing the characteristics of organic unity. The fourth result is on page 160, discussing the title "Organic Unity". The right column shows a preview of the book's title page, which reads "THE NATURE OF EXISTENCE BY JOHN MCTAGGART ELLIS MCTAGGART, LITT.D. CAMBRIDGE, LL.D. ST ANDREWS, FELLOW AND LECTURER OF TRINITY COLLEGE IN CAMBRIDGE, FELLOW OF THE BRITISH ACADEMY VOLUME I".

The most serious limitation of Live Book Search is the lack of advanced search features. At present the only one that seems to work is **intitle:**. Live Book Search needs a way to limit searches by author, at the very least, and would do well to emulate Google Book's advanced search page. Still, it is a thrill to be able to search the full text of so many of the myriad books the world has to offer.

Live Book Search is accessible either under the "More" tab on the Live homepage or directly at <http://books.live.com/>.











UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Metasearch Tool for Book Search

Alan Taylor, a professional Web Developer, created an ingenious tool that searches A9/Amazon Search Inside the Book, Google Books, and Live Books at once. Taylor recognized that, as wonderful as these book search engines are, "they require the searcher to either guess which website is most likely to house the results they want, or to try them one after the other." <<http://kokogjak.com/>>

This is an invaluable tool because there seems to be even less overlap among book searches than web searches. As you can see from this search, the three search engines returned a number of different books for one author.

next page >>
(Search inside books from A9.com, Google.com and MSN Live Search - at the same time)

A9 1-10 of 161	Google Book Search 1-10 of 242	Live Search 1-10 of 13
 Studies in The Hegelian Dialectic by John McTaggart (2006) - Kessinger Publishing, LLC The nature of existence by John McTaggart Ellis McTaggart (1927) - University Press Some Dogmas of Religion by John McTaggart Ellis McTaggart (1906) - Edward Arnold Some dogmas of religion by John McTaggart Ellis McTaggart (1930) - E. Arnold Philosophical studies by John McTaggart Ellis McTaggart (1968) - Books For Libraries Press Studies in Hegelian cosmology by John McTaggart Ellis McTaggart (1918) - University Press John McTaggart Ellis McTaggart, 1866-1925 by C. D Broad (1928) - H. Milford	 Some Dogmas of Religion - Page xvi by John McTaggart Ellis McTaggart - 1906 - 299 pages SOME DOGMAS OF RELIGION CHAPTER I THE IMPORTANCE OF DOGMA 1. BY metaphysics I mean the systematic study of the ultimate nature of reality, and by dogma I ... Full view - Table of Contents - About this book  "Dare to be Wise": An Address Delivered Before the "Heretics" Society in Cambridge, on the 8th... Page 1 by John McTaggart Ellis McTaggart - 1910 - 16 pages ... DARE TO BE WISE AN ADDRESS Delivered before the "Heretics" Society -in Cambridge, on the 8th December, JOHN mctaggart ELLIS mctaggart DOCTOR IN LETTERS ... Snippet view - About this book  A Commentary on Hegel's Logic by John McTaggart Ellis McTaggart CHAPTER I INTRODUCTION. In this book I propose to give a critical account of the various transitions by which Hegel passes from the category of Being to ... Limited preview - Table of Contents - About this book	 Lectures and Essays On Natural Theology and Ethics  The Philosophical Radicals and Other Essays  History of the Forty-sixth Regiment Indiana Volunteer Infantry They learned then, and they know now, that a grateful country will never forget what they did for it. ??John?? ??McTaggart??, of Company D, was shot in the left leg, at Sabine Cross Roads.  The Nature of Existence They learned then, and they know now, that a grateful country will never forget what they did for it. ??John?? ??McTaggart??, of Company D, was shot in the left leg, at Sabine Cross Roads.  The Nature of Existence They learned then, and they know now, that a grateful country will never forget what they did for it. ??John?? ??McTaggart??, of Company D, was shot in the left leg, at Sabine Cross Roads.  Some Dogmas of Religion They learned then, and they know now, that a grateful country will never forget what they did for

Metasearch for Books

<http://kokogjak.com/booksearch/>

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Answers.com

I am usually skeptical about “ask a question” tools, but this one is definitely a cut above most. The reason it is better is simple: Answers.com is the “new” interface for **GuruNet**, which was subscription based and required users to download and install its software. In fact, before the Answers.com site came online, GuruNet was already an integral part of Amazon's A9 search service, powering A9's “Reference” results. If you aren't familiar with GuruNet, it provides information on over 750,000 topics. GuruNet has an extensive reference database, including dozens of encyclopedias, glossaries, and dictionaries. GuruNet will provide reference information from dictionaries (including definitions, pronunciation keys, and language translations), encyclopedias, thesauruses, a geography dictionary, key American historical documents, US Presidents, US Congress, US Supreme Court cases, conversions, abbreviations, Bible dictionary, Old & New Testament, English idioms, wine glossary, music glossary, planetary & astronomy glossary, Marine lingo, and many more. Answers also draws upon Wikipedia for some of its responses, a trend I believe is overdone.

Now users have many options for accessing the Answers.com/GuruNet resources:

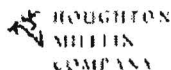
1. **Answers.com** website, where users can enter questions or queries that will draw from GuruNet's huge resource repository.
2. **A9**, which will simultaneously query Answers.com/GuruNet, Google, Amazon, and other sources.
3. **Google**, which switched from Dictionary.com to Answers.com for definitions and other reference information.

Answers.com also earns its place as the premier “answer machine” on the Internet by adding a very handy “cite” option. At the bottom of the results page where all the copyrights for each source are listed is a new “Cite” button.

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//FOR OFFICIAL USE ONLY

Copyrights



Dictionary definition of François Mitterrand

The American Heritage® Dictionary of the English Language, Fourth Edition Copyright © 2004, 2000 by Houghton Mifflin Company. [Purchase this book on Amazon.com](#). All rights reserved. [More from Dictionary](#) **Click on "Cite"**



Encyclopedia information about François Mitterrand

The Columbia Electronic Encyclopedia, Sixth Edition Copyright © 2000, Columbia University Press. Licensed from Columbia University Press. All rights reserved. www.cc.columbia.edu/cu/ceup/ [More from Encyclopedia](#) **Click on "Cite"**



Wikipedia information about François Mitterrand

This article is licensed under the [GNU Free Documentation License](#). It uses material from the [Wikipedia article "François Mitterrand"](#). [More from Wikipedia](#) **Click on "Cite"**

When you click on "Cite" you will then see a page that offers proper citations in MLA, Chicago, or APA formats. To use one of these formats for the citation, simply copy and paste the text from this page into your bibliography. This is a very handy tool for researchers who need to cite their sources correctly.

Cite this source from this AnswerPage

The URL of this AnswerPage is:

<http://www.answers.com/topic/fran-ois-mitterrand>

Select URL

Citation style

- MLA
- Chicago
- APA
- List reference source

Add this to your Bibliography

Select the text below and then 'copy & paste' it to your document:

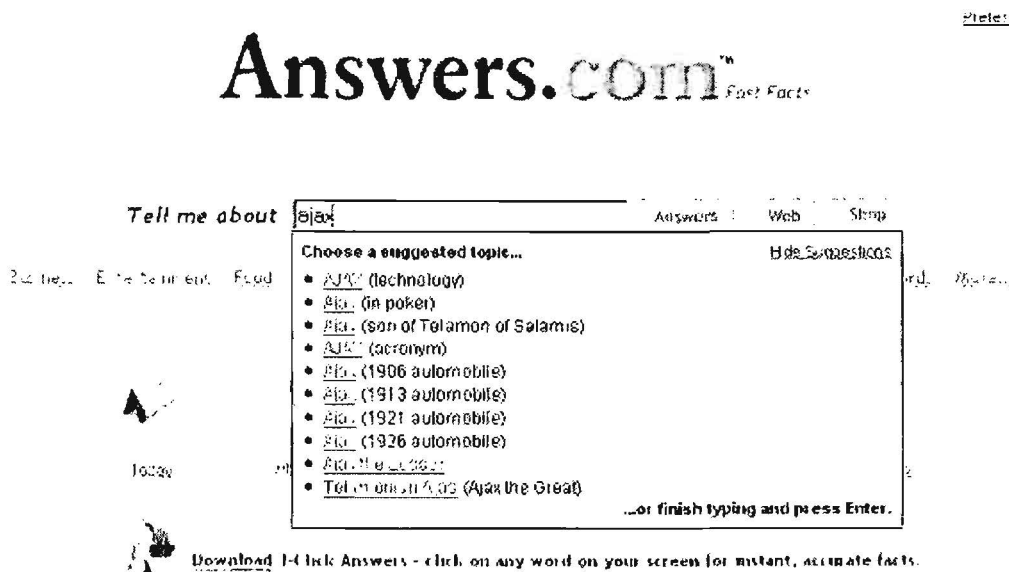
"François Mitterrand." [The American Heritage® Dictionary of the English Language, Fourth Edition](#). Houghton Mifflin Company, 2004. *Answers.com* GuruNet Corp. 06 Jul. 2005. <http://www.answers.com/topic/fran-ois-mitterrand>

During 2006 Answers.com continued to update its service. One of the most noticeable changes was the "find as you type" option, which uses AJAX technology

UNCLASSIFIED//FOR OFFICIAL USE ONLY

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

to anticipate your query. As you type, possible matching topics appear in a drop-down box as shown below:



Surfwax is aggressively marketing this technology through its company **LookAhead** <<http://lookahead.surfwax.com/>>. Answers.com is only one site among a growing number using AJAX technology; for example, Yahoo's Instant Search, A9 and A9 Maps, Ask, and many others all use AJAX. At the Answers.com site, if you do not like the Find as You Type feature, you can disable it on the preferences page.

The preferences also include a long list of languages to which Answers.com will translate from English, but not the other way around. I found this feature very confusing, so here is how to use it. If you have a term you want to translate from English, on the Answers.com home page enter the term and then scroll down the page until you see "Translations," and you will see the terms translated into all the available languages or only those languages you have selected on your preferences page. The translation also includes common idioms, which is very useful. You can also go to the translations' page <<http://www.answers.com/library/Translations>> and select the term from an alphabetic list.

Here is a partial list of translations of the English word "abode"; ***this could be a very useful tool for copy/pasting search terms without needing non-Latin keyboards to input the terms:***

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Deutsch (German)
n. - Wohnort, Wohnsitz

idioms:

- no fixed abode ohne festen Wohnsitz

Ελληνική (Greek)
n. - κατοικία, ενδιαιτημα, διαμονή

idioms:

- no fixed abode χωρίς μόνιμη κατοικία

Italiano (Italian)
residenza, domicilio

idioms:

- no fixed abode senza fissa dimora
- right of abode diritto di soggiorno

Português (Portuguese)
n. - lar (m), permanência (f) curta, residência (f)

idioms:

- no fixed abode sem residência fixa
- right of abode direito (m) de residência

Русский (Russian)
жилище, обиталище

idioms:

- no fixed abode без постоянного местожительства
- right of abode право на жилье

Svenska (Swedish)
n. - bostad, bostad

中文(简体) (Chinese (Simplified))
住处, 住所

idioms:

- no fixed abode 无固定住处

中文(繁體) (Chinese (Traditional))
n. - 住處, 住所

idioms:

- no fixed abode 無固定住處

한국어 (Korean)
n. - 거주, 주소

日本語 (Japanese)
n. - 住所, 居住

idioms:

- no fixed abode 住所不定
- right of abode 居住権

العربية (Arabic)
الاسم, مقر, إقامه

עברית (Hebrew)
n. - מטה, בית, מעון

Answers.com continues to expand and improve. It is often my first stop for search and research.

As with any search, the best tool to use depends on what you need to find.

- If you want links to relevant websites about a topic, Google is probably the way to go.
- If you only need a fast answer in the form of a dictionary definition or encyclopedia entry, Answers.com is the best choice.
- But if you want thoroughness, A9 wins this one hands down because it quickly offers a choice among web, image, book, and a huge number and variety of reference results that are only a mouse click away.

Any way you look at it, Answers.com is a great addition to any researcher's resource set.

Answers.com

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

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

OAlster

Add to your deep web bookmarks OAlster (pronounced "oyster") to help you "find the pearls." This information retrieval resource now contains a very impressive **9,950,256** records from **729 institutions** (as of 10 January 2007). OAlster states, "The service encompasses as broad a collection of resources as possible (i.e., with no subject parameters). It is accessible to the entire Internet community, without bounds." However, as you might have guessed, OAlster is not for run-of-the-mill searches.

So just what sort of information does OAlster index? The project seeks to provide easy access to *actual digital records*, not just lists, links, or bibliographies. What are these digital resources? They "can range from a 1959 photograph of an A&P bakery (from the Library of Congress American Memory project) to poems by Emily Dickinson (from the University of Michigan Digital Library Production Services American Verse project). Digital resources include items such as:

- electronic books
- online journals
- audio files (e.g., wav, mp3)
- images (e.g., tiff, gif)
- movies (e.g., mpeg, QuickTime)
- reference texts (e.g., dictionaries, directories)"¹⁰¹

Let's take a sample query and see what we come up with in OAlster. Here's a simple phrase query—"turing machine"—asking for results to be listed in descending order by date (most recent first). Since many of the resources in OAlster have reliable dates (e.g., journal articles), using the date sort option should work fairly well.

¹⁰¹"What Are Digital Resources?" Wheeler Library, Otero Junior College, Colorado, <<http://www.ojc.edu/library/digital.htm>> (18 January 2007).



Home Search Browse Institutions Help

Use this form to find digital resources (what is a digital resource?) from many institutions (which institutions are available?).

Why do I sometimes get duplicate records? Why do I sometimes have trouble accessing digital objects? Check out this explanation.

See help for search tips.

Search within fields (help)

Use a word or phrase, e.g., diploma*, fancy dress

Keyword [v] "turing machine" [And v]
Keyword [v] [And v]
Keyword [v] [v]

Limit by resource type (help)

Choose one or more

all types [v]
text
image
audio
video
dataset [v]

Choose sorting of results (help)

e.g., results in date descending order, from 2002 to 1999

date descending [v]
title
author/creator
date descending
date ascending
hit frequency
weighted hit frequency

search [v]

You can see from the "results by institution" on the left below that these 916 results are not your typical Google hits.

Home Search Browse Institutions Help

Your search was in the entire record field for "turing machine".

You found 916 records.

* Revise your search to retrieve fewer records.

* View your results, starting with records 1 to 10 of 916.

Results by Institution

Sort by [v]
date descending [v]

Next 10 Records

Jump to Records: 1 | 11 | 21 ... 91 ... 181 ... 271 ... 361 ... 451 ... 541 ... 641 ... 731 ... 821 ... 911

arXiv.org Eprint Archive
91 records

Biblioteca Digital Brasileira de Computacao (BDBComp) Archive
1 record

Biblioteca Digital de Teses e Dissertacoes (BTD), Instituto Brasileiro de Informacao em Ciencia e Tecnologia (IBICT)
1 record

Caltech Computer Science Technical Reports (CSTR)
1 record

Caltech Electronic Theses and Dissertations
1 record

CiteBase
94 records

CiteSeer Scientific Literature Digital Library
570 records

CITIDEL (Computing and Information Technology Interactive Digital Educational Library)
40 records

CogPrints Archives
3 records

Record 1 of 916

add to bockbag

Title Are There Absolutely Unsolvable Problems? Godel's Dichotomy (dagger)

Author/Creator Feferman, Solomon
Publisher Oxford University Press
Year 2006-01-09 05:38:57.0

Resource Type TEXT
Resource Format text/html
Language English

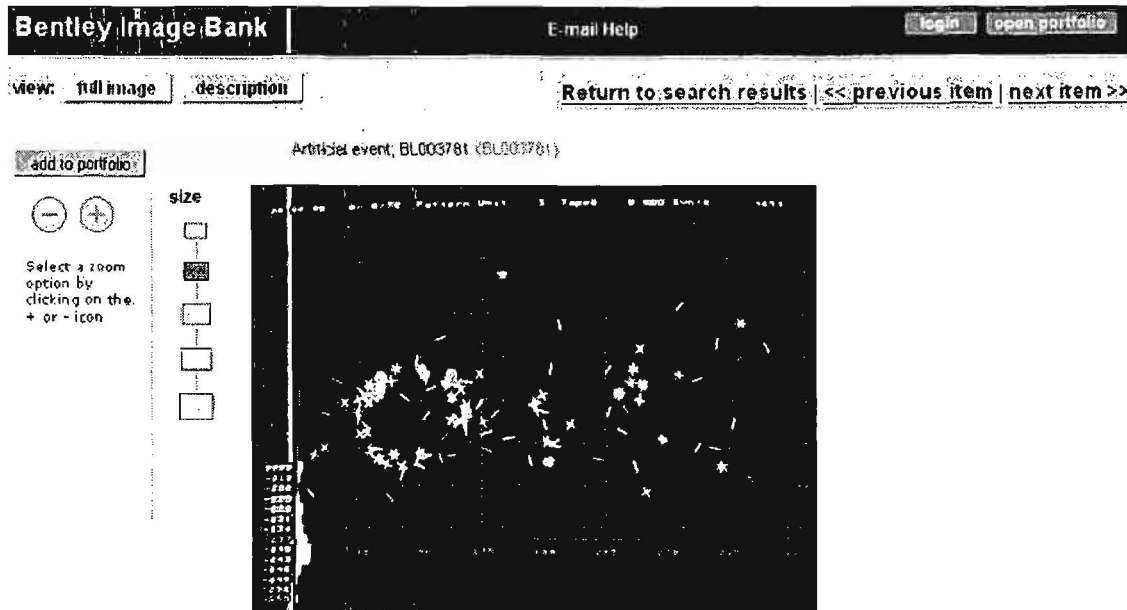
Note This is a critical analysis of the first part of Godel's 1951 Gibbs lecture on certain philosophical consequences of the incompleteness theorems. Godel's discussion is framed in terms of a distinction between objective mathematics and subjective mathematics, according to which the former consists of the truths of mathematics in an absolute sense, and the latter consists of all humanly demonstrable truths. The question is whether these coincide; if they do, no formal axiomatic system (or Turing machine) can comprehend the mathematizing potentialities of human thought, and, if not, there are absolutely unsolvable mathematical problems of diophantine form. <1>Either ... the human mind ... infinitely surpasses the powers of any finite machine, or else there exist absolutely unsolvable diophantine problems.</1>

Subject Gödel on Mathematics and Logic Special Issue Article
URL http://philmat.oxfordjournals.org/cgi/content/short/nkj003v1
URL http://dx.doi.org/10.1093/philmat/nkj003

Rights Copyright (C) 2006, Oxford University Press
Institution HighWire Press, Stanford University

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

OAster works best in finding scholarly work from such sources as CiteSeer, arcXiv Eprint Archive, a number of research institutes, and numerous digital libraries. And some of the data is truly impressive. For example, I searched in all fields for [neutrino*] (note the ability to use a **wildcard**) looking for the resource type *image*. Here is one of the 32 images I found:



You are not going to find images like this with a Google, Live, and Yahoo image search.

It is important to keep in mind that **OAster is not a search engine but a repository of information that is structured in a very specific manner**, and retrieving the data you want has to be done in conformity to the way the data was entered into the record.

OAster

<http://www.oaister.org/>

More Scholarly Search Sites

Other academic search engines that may yield better results than Google Scholar and Windows Live Academic search at this point.

Citeseer ☆

<http://citeseer.ist.psu.edu/>

Scirus

<http://www.scirus.com/srsapp/>

Cornell University's arXiv.org

<http://arxiv.org/>

Research Now

<http://researchnow.bepress.com/>

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

CiteULike	http://www.citeulike.org/
Foreign Doctoral Dissertations	http://www.crl.edu/content.asp?l1=5&l2=23&l3=44&l4=25
ISI Highly Cited	http://isihighlycited.com/
Scholar Universe	http://www.scholaruniverse.com/index.jsp
Ingenta Connect	http://www.ingentaconnect.com/
Infomine's Electronic Journals Search	http://infomine.ucr.edu/cgi-bin/search?ejournal
Science Direct (select Abstract Databases tab)	http://www.sciencedirect.com/
Wiley InterScience Journal Search	http://www3.interscience.wiley.com/

The Internet Archive & the Wayback Machine

You have to give Brewster Kahle credit for thinking big. The founder of the Internet Archive has a clear, if not easy, mission: to make all human knowledge universally accessible. And, who knows, he might just succeed. What has made Kahle's dream seem possible is extremely inexpensive storage technology. As of now, the Internet Archive houses "approximately 1 petabyte of data and is currently growing at a rate of 20 terabytes per month. This eclipses the amount of text contained in the world's largest libraries, including the Library of Congress. If you tried to place the entire contents of the archive onto floppy disks (we don't recommend this!) and laid them end to end, it would stretch from New York, past Los Angeles, and halfway to Hawaii."¹⁰² In December 2006 the Archive announced it had indexed over 85 billion "web objects" and that its database contained over 1.5 petabytes of information.¹⁰³

But that's not all that Kahle and company have archived. The Archive also now contains about 2 million audio works; over 10,000 music concerts; thousands of "moving images," including 300 feature films; its own and links to others' digitized texts, including printable and downloadable books; and 3 million hours of television shows (enough to satisfy even the most sedulous couch potato!). Kahle's long term dream includes scanning and digitizing the entire Library of Congress collection of about 28 million books (something that is technically within reach), but there are

⁴⁶ Internet Archive FAQs, <[http://www.archive.org/about/faqs.php#The Internet Archive](http://www.archive.org/about/faqs.php#The%20Internet%20Archive)> (14 November 2006).

¹⁰³ Brewster Kahle, "Wayback Machine has 85 Billion Archived Webpages," Internet Archive Forum, 5 December 2006, <<http://www.archive.org/iathreads/post-view.php?id=84843>> (16 January 2007).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

some nasty impediments such as copyrights and, of course, money. None of this deters Kahle, whose commitment to the preservation of the digital artifacts of our time drives the Internet Archive. As Kahle puts it, "If you don't have access to the past, you live in a very Orwellian world." Ironically, between the Internet Archive's voracious appetite for websites, which many view as an invasion of privacy, and the Alexa technology, which "monitors" web browsing through the "related links" feature in browsers, many people think of Kahle as the Internet's "Big Brother."

In addition to trying to capture every publicly available webpage and making them searchable via the Wayback Machine, Kahle is pressuring Google to give him a copy of its database with something like a six-month delay to avoid competition with "live" Google. So far, the search engine innovator has not yet come around to Kahle's way of thinking, but Kahle has a way of persuading people and institutions to make a "positive contribution to mankind" by contributing to the Archive.

Announced just 24 hours after Google went public with its own effort to digitize several major library collections, the Internet Archive's plan to digitize the collections of ten major libraries cannot be a coincidence. Among the libraries agreeing to participate in the Internet Archive's project are:

- Carnegie Mellon University and the Library of Congress Million Book Project
- University of Toronto, Canada
- Library of Congress American Memory Project
- McMaster University, Canada
- University of Ottawa, Canada
- Bibliotheca Alexandrina, Egypt
- Indian Institute of Science, India
- International Institute of Information Technology, India
- Zhejiang University, China
- European Archive, Netherlands

The goal? In Brewster Kahle's own words, "anyone with an Internet connection will have access to these collections and the growing set of tools to make use of them. In this way we are getting closer to the goal of Universal Access to All Knowledge."¹⁰⁴ Once again Internet Archive founder Kahle reinforces his reputation

¹⁰⁴ Brewster Kahle, "Announcement: Open-Access Text Archives," 15 December 2004 <<http://www.archive.org/iathreads/post-view.php?id=25361>> (14 November 2006).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

as a true visionary: "Imagine being able to analyze the changes to the English language over time. Imagine being able to use the hand translated versions of past books as a way to train automatic translation technologies so we can more effectively translate any book into any language. Imagine being able to analyze the interrelation of papers through their footnotes and links to find new patterns of thought. Each of these projects is already proceeding using the digital holdings of the Internet Archive by researchers."¹⁰⁵ You have to love this guy.

Microsoft and Yahoo both threw in with Kahle and the Open Content Alliance (OCA) during 2005, Microsoft in advance of its new Live Book Search. This occurred as Google was embroiled in not one but two lawsuits to stop its book digitization project. The OCA has thus far avoided any such suits because it is only indexing books and other content in the public domain. But Microsoft has made it known it will not be content to stick with public domain content, which will put Microsoft on the horns of the same dilemma as Google. It will be interesting to see how OCA and its members handle copyright and other infringement issues.

Open Content Alliance

<http://www.opencontentalliance.org/>

While some of its members may view the OCA project as a way to take on Google, Kahle is not at all unhappy about competition from other digitization projects. Quite the contrary, he sees his efforts as augmenting more commercial ventures while he openly seeks to emulate in the public domain Amazon's approach to full-text search. Any way you look at it, this is great news. Sometimes with all the petty annoyances in our everyday lives, it is hard to remember we really are witnessing and even participating in a revolution in human knowledge.

And just how does Kahle envision storing all these treasures? He worked with Capricorn Technologies to design what is called the PetaBox, basically a very large, affordable data repository that can store a million gigabytes of data. Capricorn shipped the first of its PetaBox products to the Internet Archive in June 2005.

All that data is accessible to users in a variety of ways, none more interesting or useful than the **Wayback Machine**. Using the Wayback Machine, you may very well be able to retrieve a page or an entire site even if it disappeared from the web years ago. Also keep in mind that Yahoo also offers an excellent way to search the Internet Archive to its fullest.

¹⁰⁵ Kahle.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

INTERNET ARCHIVE
WayBackMachine

Web | Moving Images | Texts | Audio | Software | Patron Info | About IA

Home | BookMobile | Researcher Access | FreeCache | SFLan | Petabox | Open Source Media | Heritage

Search: [Advanced](#) Anonymous User [login](#) or [join](#)

About the Wayback Machine
Browse through 40 billion web pages archived from 1996 to a few months ago. To start surfing the Wayback, type in the web address of a site or page where you would like to start, and press enter. Then select from the archived dates available. The resulting pages point to other archived pages at as close a date as possible. Keyword searching is not currently supported.
<http://archive.bibalex.org>, the Internet archive at the New Library of Alexandria, Egypt, mirrors the Wayback

The Wayback Machine
INTERNET ARCHIVE
WayBackMachine

Take The Wayback Machine With You
Put the Wayback Machine right in your browser!
The Wayback Machine Bookmarklet
Drag this link to your browser's toolbar: [Wayback](#)
When you visit a page that you want to find an old version of, just click the toolbar link.
You will be transported to any historic versions at the Wayback Machine.
Thanks to [gyford.com](#)

Web Collections

The Wayback Machine

<http://web.archive.org/>

To use the Wayback Machine to bring back the past, simply search on a url or use the new bookmarklet that can be dragged and dropped onto your browser's toolbar. Whenever you are visiting a webpage, clicking on that bookmarklet searches the Internet Archive for earlier versions of that web address. What you will see first is a list of all previous versions of a website stored in the Archive.

UNCLASSIFIED//FOR OFFICIAL USE ONLY

INTERNET ARCHIVE
WaybackMachine

Enter Web Address: All [Adv. Search](#) [Compare Archive Pages](#)

Searched for <http://www.ikhwan.net> 90 Results

Note some duplicates are not shown. [See all](#)
 * denotes when site was updated.

Search Results for Jan 01, 1996 - Sep 07, 2005


1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
0 pages	0 pages	0 pages	0 pages	0 pages	4 pages	15 pages	26 pages	42 pages	0 pages
					Apr 10, 2001 *	Jan 23, 2002 *	Jan 24, 2003	Jan 02, 2004	
					May 17, 2001	May 24, 2002 *	Jan 30, 2003	Feb 02, 2004 *	
					Jul 21, 2001	May 29, 2002 *	Feb 07, 2003 *	Feb 10, 2004 *	
					Sep 24, 2001	Jun 04, 2002 *	Feb 13, 2003 *	Feb 11, 2004	
						Jul 25, 2002 *	Feb 17, 2003 *	Apr 05, 2004 *	
						Aug 02, 2002 *	Mar 29, 2003	Apr 07, 2004 *	
						Aug 11, 2002 *	Apr 01, 2003 *	Apr 13, 2004	
						Sep 22, 2002 *	Apr 23, 2003 *	May 10, 2004	
						Sep 24, 2002	Apr 25, 2003 *	May 21, 2004	
						Sep 27, 2002	May 23, 2003 *	May 24, 2004 *	
						Sep 29, 2002 *	Jun 06, 2003 *	Jun 02, 2004 *	
						Oct 02, 2002	Jun 18, 2003 *	Jun 03, 2004	
						Nov 24, 2002 *	Jul 20, 2003 *	Jun 06, 2004	
						Nov 26, 2002 *	Jul 28, 2003 *	Jun 10, 2004	
						Nov 28, 2002 *	Aug 04, 2003 *	Jun 12, 2004	
							Aug 05, 2003	Jun 15, 2004	
							Sep 22, 2003	Jun 16, 2004	
							Sep 29, 2003 *	Jun 18, 2004	
							Oct 01, 2003 *	Jun 19, 2004 *	

Selecting any date will show you an archived copy of the site as it appeared on that date. Here is the (now defunct) Jihadist website Ikhwan.net as it appeared on 23 January 2002:

إعلان هام حول انطلاقة

مرحباً بكم في رحاب موقع المسبكا، الإخوانيما.

اخبرنا نكم!



موقع الشيخ فيصل مولوي
شكركم -
شكركم -
شكركم -
شكركم -
امير عباد المصطفى الاسلامي في ليبيا

نعم!

موقع الشبنة الإخوانية نضع الي الشستن وفاة
الشيخ المحامد محمد عبدالفتاح شريف، رحمه الله
ورفع من مقامه.

نكري نكدة فلسطين!

مناسبة نكري نكدة فلسطين، فانه قد بم
إضافة كتاب "الإخوان المسنون في حرب
فلسطين". الكتاب من تأليف الأستاذ كامن
الشنريف وفده تاريخ موجز للأحداث في
ذلك العهد، مع بعضه مصغرة نكور

نقدم ندعوننا نحن الإخوان السنون... هالذة... نكبا أقوى من الزواع
العاصفة... مواصعة... نكبا نكرو من اسم الزواسي... محدودة... نكبا
أوسع من حدود هذه الأفطار الأرضية جميعا..

المطرفة مضاة حدتنا

محااضرة نللكون راعب
أشرفهاني دعنوان
"المقاطعة".
محااضرة نلشبح القرضاوي
دعنوان "انظرف"
محااضرة نلشبح محمد
التراند دعنوان "الامة"
الإسلامة في مواجهة
التحديات"
شريط اشعنوان لفرقة
الزواع.

المكتبة الحركية الإلكترونية

بسرنا أن نقدم نكم باقة من دراث
وفكر الحركة الإسلامية المكتوب
ممهرا وسهلا لئفراءة على شبكة
الإنترنت. وسنحاول باذن الله أن
نصيف كتابا واحدا على الأقل
شهريا.
بالإضافة إلى الكتب المتكوعة التي
نحدونها في الموقع، بمكنكم
الإستفادة من تفسير المعصر، كتاب
في ظلال القرآن الكرم نلشبه سد
كطب رحمه الله، كاملا ومههرا.

رسالة الإخوان الأسبوعية

مقال المرشد العام.
مصر: (الاستشهاديون) ..

مذكرات الدعوة والداعية

مقدمة
(أوصى الذين يعرضون أنفسهم

الشبكة الإخوانية

الصفحة الرئيسية

اهداف الموقع

عظمة الموقع

بفتح الحركة

الحركة في سطور

الهديد

قيد الإضافة

كلمة الشهر

خدمات الموقع

ملتقى الإخوان

من أخبار الحركة

كتب للحركة

في ظلال القرآن

مقالات ممتارة

رسالة الإخوان

مواقع مختارة

The Internet Archive doesn't just archive the homepage of each website. In most cases, you can dig down deeply into a site to find many additional pages from a website that might have disappeared or dramatically changed over time. A special feature in the Wayback Machine's advanced search lets users compare two versions of a webpage using technology from [Docucomp](#). This option will identify any changes—inserted, deleted, replaced and moved text and code—in webpages and documents.¹⁰⁶

The Wayback Machine is, very simply, one of the greatest deep web tools ever created.

¹⁰⁶ In case you are curious about what happened to the Internet Archive's foray into search, aka Recall, the programmer who wrote Recall was hired by Google in 2004 and that appears to be the end of Recall.

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Other Invisible Web Resources

A great deal of what is on the Internet is going to remain inaccessible to search engines, either because the information is password-protected, is behind a firewall, requires registration and/or payment to view, etc. In short, this information either is not intended for public viewing or there is a price to do so. There is, however, a substantial amount of data that *is* meant for public consumption but is not indexed by search engine spiders: public databases. These run the gamut from very technical medical or scientific databases (e.g., MEDLINE, NASA EOSDIS) to frivolous (e.g., Jokes.com). How do you find these online databases and other "hidden" websites?

BUBL

<http://www.bubl.ac.uk/>

There are a number of very good websites devoted entirely or mostly to tracking down web databases and other "hidden" resources. One of the most impressive catalogs of hard to find sites is **BUBL**. First established in 1990, the name stood for **B**ULLETIN **B**OARD for **L**IBRARIES. Today, BUBL offers a huge index of resources primarily for academic researchers. BUBL's index can be sorted by topic, alphabetically, by country, or by Dewey Decimal System. **Deep Web Research**

**BUBL LINK** Catalogue of Internet Resources[Dewey](#) | [Search](#) | [Subject Menus](#) | [Countries](#) | [Types](#)

Selected Internet resources covering all academic subject areas

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

000 Generalities*Includes:* computing, Internet, libraries, information science100 Philosophy and psychology*Includes:* ethics, paranormal phenomena200 Religion*Includes:* bibles, religions of the world300 Social sciences*Includes:* sociology, politics, economics, law, education400 Language*Includes:* linguistics, language learning, specific languages500 Science and mathematics*Includes:* physics, chemistry, earth sciences, biology, zoology600 Technology*Includes:* medicine, engineering, agriculture, management700 The arts*Includes:* art, planning, architecture, music, sport800 Literature and rhetoric*Includes:* literature of specific languages900 Geography and history*Includes:* travel, genealogy, archaeologyUNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Infomine

<http://infomine.ucr.edu/>

Another scholarly resource is **Infomine**, from the University of California. Infomine is an excellent way of tracking down not only online databases, particularly in all the sciences, but also finding technical websites. For example, Infomine has a superb Maps and GIS webpage, with a large number of links to databases devoted to mapping and/or GIS.

Aardvark: Asian Resources for Librarians

<http://www.aardvarknet.info/user/aardvarkwelcome/>

Aardvark: Asian Resources for Librarians, owned and managed by iGroup, a database and eJournal distributor, keeps a low profile, which is too bad because it is a very good resource. Aardvark has two sections: Literature and Recommended resources and sites. I especially like the Asian Databases section, which currently lists over 650 databases. Thompson Gale published an excellent overview of Aardvark by Professor Péter Jacsó.¹⁰⁷

The screenshot shows the Aardvark website interface. At the top, there is a logo of an armadillo and the text "Aardvark" and "Asian Resources for Librarians". Below the logo is a navigation bar with links: "Aardvark Home", "Literature", and "Recommended".

On the left side, there are several menu items:

- Library Science e-Journal
- Library Science e-Journals
- Asian Databases
- Conferences & Exhibitions
- Access Magazine
- Business Needs

In the center, there is a section for "ERIC Search FRIC" provided by "eBridge". Below this is a list of categories:

- Archiving & Document Preservation
- Courseware
- Digital Collection Development
- Digital Object Identifier (DOI)
- Information Literacy
- Knowledge Management
- Metadata
- Open Archives Initiative
- RFID (Radio Frequency Identification)
- Copyright
- CrossRef
- Digital Libraries
- Digitization
- Journal Crisis
- Linking Technologies
- Open Access
- OpenURL
- Weblogs
- Asian Digital Libraries
- Asian Library Consortia
- Asian National Libraries
- Free preprint and full text science archives
- Publishers
- Asian Library Associations
- Asian Library Schools
- Asian University Libraries
- Professional Organisations

On the right side, there is a "Aardvark Search" box with a search input field and a "Search" button. Below it is a link to "Ask our librarian". At the bottom right, there is a "Asia News" section with several news items:

- Blackwell Publishing scores a century of Asian Journals
- CAS sets new timeliness standard for Chinese patent records
- China bans sale of 'golden books' to curb corruption
- China's Jilin University plans for the future with New Millennium system
- Consortium brings academic libraries together in Hong Kong
- Cyberjaya University College of Medical Sciences in Malaysia

¹⁰⁷ Péter Jacsó, "Aardvark," Péter's Digital Reference Shelf, Thompson Gale, October 2006, <<http://www.galegroup.com/reference/peter/aardvark.htm>> (26 October 2006).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~**Deep Web Research**<http://www.deepwebresearch.com/>

Deep Web Research is an information weblog created by the Virtual Private Library. As a blog, the site is designed to stay current with many links to a wide variety and number of sources related to deep web search and research. Topics covered include current and historical articles, papers, and videos; cross database articles, search services, and tools; presentations; and resources. Deep Web Research presents an impressive set of links that includes everything from articles on what constitutes the deep web and how to search it to online search sites such as SearchLight, the University of California's interface to publicly available databases in either the sciences and engineering or social sciences and humanities. The biggest drawback of Deep Web Research is the lack of annotation of the links. Most are simply listed by title and there is no way to know what services they offer without looking at each site individually. Still, Deep Web Research is an impressive collection of deep web resources.

A9	http://a9.com/
Amazon	http://www.amazon.com/
BUBL Catalog	http://www.bubl.ac.uk/
The Complete Planet	http://www.completeplanet.com/
Deep Web Research	http://www.deepwebresearch.com/
Infomine	http://infomine.ucr.edu/
Intute (formerly Resource Discovery Network)	http://www.intute.ac.uk/
Pinakes Subject Launchpad	http://www.hw.ac.uk/libwww/irn/pinakes/pinakes.html
Research Beyond Google: 119 Authoritative, Invisible, and Comprehensive Resources	http://oedb.org/library/college-basics/research-beyond-google
Ultimate Guide to the Invisible Web	http://oedb.org/library/college-basics/invisible-web

There is a lot more to the "hidden web" than just that information stored in databases, however. Many of the most interesting sites are simply not indexed by anyone, in part because search services have made a conscious decision not to try to index the entire web. How do you find them? Unfortunately, there is no magic, but here are a few tips that might help (and often really do work):

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Tips for Navigating the "Hidden Web"

1. Always **examine and follow the links** from "links pages" at an interesting site (it's quite possible that those links lead to webpages that are not indexed).
2. Try **url guessing**, i.e., just try what you think might be the address of a site you're looking for and you might get lucky. Do pay attention to any **domain naming conventions** widely used in a particular country. The Russians often use cities as part of the name, e.g., <http://www.pager.nnov.ru>; many other countries use the conventions of .co for companies, .ac for educational institutions, e.g., <http://www.aid.co.at> or <http://www.ua.ac.be>, etc.).
3. Spend time **browsing a country's domain name registry**; many of these registries list "all" the websites in their top-level domain (more on [how to find a country registry later](#)).
4. Visit a **country-specific website** devoted to listing "all" the sites for that country and browse or search their list (you will undoubtedly find a number of websites not indexed by US-based and focused search engines).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Casting a Wider Net—International Search, Language Tools

International Search

I have tried to think of a better way to describe this topic, which I used to call “foreign search” until I realized that what is “foreign” to some readers is “home” to others. The concept I am trying to get across is simple: do not rely on your favorite search engine for research. Simple idea, difficult implementation, because users naturally and quite understandably have a very strong tendency to depend almost exclusively on certain search tools that focus on their location, whether a specific country, region, or city. That makes perfect sense until you try to find information about and/or from other locales. “Vanilla” Google, Yahoo, and Live Search are targeted at US users and locations, just as Baidu targets the Chinese audience. Researchers must first get out of the habit of using US-centric search engines, then look for and bookmark country and local search services to have them ready to hand.

US search engines have largely set the pace and the standards for search tools around the world and, in many cases, are the engines underlying international search sites. However, the target market for US search engines is the US user, not the rest of the world. This means that when you are “traveling” on the web, you must find and use search services that are appropriate to that region, country, or city. What are some of the advantages of using regional search engines?

- Focused search: regional or country-specific search engines often permit you to search in one region (“all European countries,” for example) or one country.
- Focused data: most non-US search tools collect and store data primarily or exclusively from their region or country.
- Language selectivity: international search engines must offer the ability to search in the native language(s).
- Non-Latin code sets: the non-US search engines in countries that use non-Latin character sets often allow you to input your query in one or more character sets. Of course, your computer must already be configured to type in the non-Latin characters (unless you want to resort to the cut and paste approach).
- Translation function: you may come across an unusual translation option in an international search engine.

UNCLASSIFIED//FOR OFFICIAL USE ONLY

The major US-based search engines continue to expand into international markets, offering a myriad specialized interfaces by country and/or language. Search results may be much more precise using the international version of Google, for example, than the generic site. In fact, there is even a site that lets you compare the differences between Google searches using two different Google datacenters.

Look at the difference between the same search for the acronym ETA using Google.com compared to Google Spain:

[Sign in](#)

Google [Search](#) [Advanced Search](#) [Preferences](#)

Web [Images](#) [Video](#) [News](#) [Maps](#) [Desktop](#) [more »](#)

Results 1 - 100 of about 50,000,000 for eta - [wikipedia.org](#). (0.19 seconds)

Employment & Training Administration (ETA) - U.S. Department of Labor
 Information on programs, assistance, and training opportunities for employers and employees.
[www.doleta.gov/ - 92k - Oct 31, 2006 - Cached - Similar pages](#)

ETA Programs & Initiatives, Employment & Training Administration ...
 ETA Programs & Initiatives. The Employment and Training Administration funds and/or runs a number of programs to help ensure the smooth functioning of ...
[www.doleta.gov/reports/programs/ - 42k - Cached - Similar pages](#)
[\[More results from www.doleta.gov \]](#)

ETA/Cuisenaire: Choose from over 7000 manipulative-based ...
 Math manipulatives, VersaTiles, Cuisenaire Rods, Algeblocks, Reading Rods, Miriam Trehearne, lab coats, anemometer, can be found here.
[www.eta-cuisenaire.com/ - 13k - Cached - Similar pages](#)

Unisys Weather NAM Model Forecasts
 NAM Model Forecasts Latest image Current NAM SL Pressure/Precipitation Forecast. This is a set of contour plots using data from the NAM model. ...
[weather.unisys.com/nam/ - 14k - Cached - Similar pages](#)

Sponsored Links

ETA Australia
 12 month ETA Visas, 20% discount Australian visitor & business visas
[www.etaaustralia.com.au/ETA_Visa](#)

E-T-A Circuit from Beyond
 Components, 9 warehouses! Specialize in Terminal Blocks, etc.
[www.BeyondComponents.com](#)

Dubai Properties
 ETA Star Freehold Properties "Own a Home, Built On Trust"
[www.eta-dubai.com](#)

Lowest Marzocchi Prices
 Learn everything about Marz forks. Learn & buy from the "small" guy.

Here is the identical search using Google Spain and restricting the search to Spanish sites. Clearly, Google Spain "understands" that to most Spanish users ETA means the Basque separatist group Euskadi Ta Askatasuna:

Google [Búsqueda](#) [Búsqueda Avanzada](#) [Preferencias](#)


La Web [Imágenes](#) [Grupos](#) [Noticias](#) [Desktop](#) [más »](#)

Búsqueda: [la Web](#) [páginas en español](#) [páginas de España](#)

La Web [Imágenes](#) [Grupos](#) [Noticias](#) [Desktop](#) [más »](#)

Resultados 1 - 10 de aproximadamente 4.990.000 de eta. (0.28 segundos)

Resultados de noticias que contienen eta - [Ver las últimas noticias de hoy](#)

 **El PP cree que ETA ha recuperado su capacidad operativa** · [El Diario Montañés](#) · hace 11 horas

Descubren auto utilizado por ETA en robo de armas en Francia · [El Universal \(México\)](#) · hace 17 horas

Garzón incrimina a otros tres dirigentes de Batasuna por ... · [Ideal Digital](#) · hace 10 horas

elmundo.es | Especial ETA: la dictadura del terror
 información sobre la banda terrorista ETA, su historia, sus atentados, las víctimas que han provocado, las negociaciones con el gobierno.
[www.elmundo.es/eta/ - 4k - En cache - Páginas similares](#)

ETA anuncia un 'alto el fuego permanente' | elmundo.es
 ETA anuncia un alto el fuego permanente La organización terrorista ETA ha anunciado un alto el fuego permanente en un comunicado remitido a la televisión ...
[www.elmundo.es/elmundo/06050302/espana/1143026444.html - 24k - En cache - Páginas similares](#)
[\[Más resultados de eta en elmundo.es \]](#)

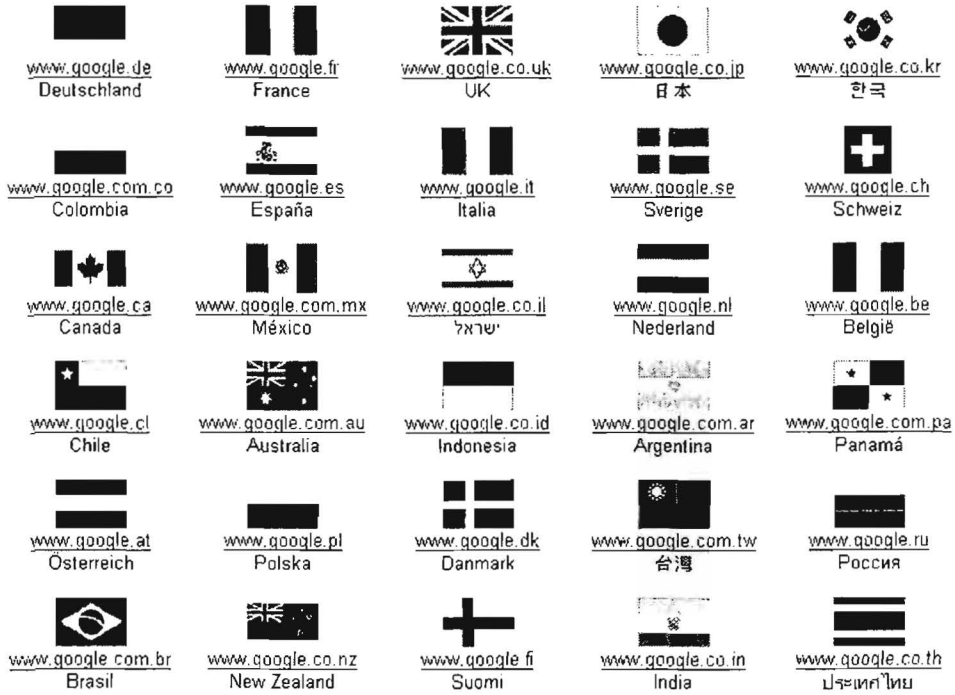
El BOLETO - La verdad sobre ETA (La web de Angelberto)
 Web con mucha información sobre la banda terrorista ETA
[clientes.wanetwink.es/personal/angelberto/ - 7k - En cache - Páginas similares](#)

Google provides the list of its "local" (meaning country) sites, identified by thumbnail flags, on its language tools page. There is also a very good list of the languages and

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Google international interfaces that support them available at the French website Intelligence-Center.

Visit Google's Site in Your Local Domain

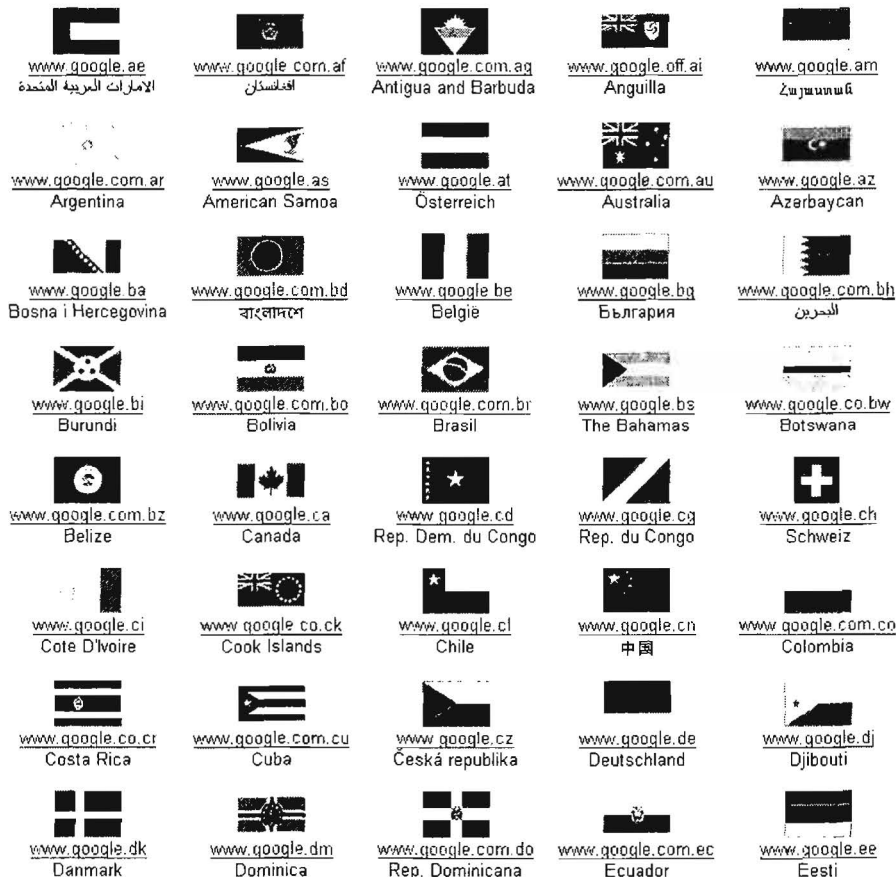


Google International Sites

http://www.google.com/language_tools

UNCLASSIFIED//FOR OFFICIAL USE ONLY

Visit Google's Site in Your Local Domain

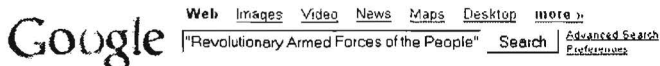


Intelligence Center: Google Worldwide

<http://c.asselin.free.fr/french/googleworldwide.htm>

While acronyms are a type of search that often renders ambiguous or misleading results, searching for the English-language name of a non-English-language entity can cause similar confusion. Here are three different searches for the Mexican group Fuerzas Armadas Revolucionarias del Pueblo, known in English as the Revolutionary Armed Forces of the People. The first search ["Revolutionary Armed Forces of the People"], using generic Google, generates the following results, which clearly illustrate the problem of searching for the translated name. This search comes up with groups of this same name in Guinea-Bissau, Colombia, and Mexico:

Sign in



Web Results 1 - 58 of about 325 for "Revolutionary Armed Forces of the People". (0.24 seconds)

MIPT Terrorism Knowledge Base

The Revolutionary Armed Forces of the People, known by its Spanish acronym FARP, is one of these splinter groups. FARP has demonstrated its continuing ...

MIPT Terrorism Knowledge Base

Revolutionary Armed Forces of the People (FARP) attacked Police target (July 23, 2000, Mexico) Incident Date: July 23, 2000 ...

Revolutionary Armed Forces of the People - Wikipedia, the free ...

Revolutionary Armed Forces of the People (in Portuguese: Forças Armadas Revolucionárias do Povo), the armed wing of PAIGC during the struggle against ...

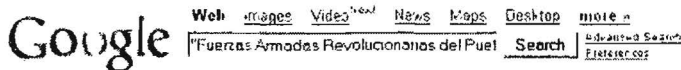
African Party for the Independence of Guinea and Cape Verde ...

... in which both the political and military arms of the PAIGC were assessed and reorganised, with a regular army (Revolutionary Armed Forces of the People, ...

Revolutionary Armed Forces of the People - Information from Answers.com

Revolutionary Armed Forces of the People Revolutionary Armed Forces of the People (in Portuguese: Forças Armadas Revolucionárias do Povo), the armed ...

Next, we search for the group by its Spanish name ["Fuerzas Armadas Revolucionarias del Pueblo"] using generic Google. The results are very different and most refer to the Mexican group:



Web Results 1 - 100 of about 37,300 for "Fuerzas Armadas Revolucionarias del Pueblo". (0.29 seconds)

1 of Search for English results only You can specify your search language in Preferences

Sign in

APIA - Comunicado de las Fuerzas Armadas Revolucionarias del ...

Fuerzas Armadas Revolucionarias del Pueblo FARP Enviado el Friday, 01 September a las 17:34:35 por apia Login Nickname Password ...

Dave Sokol Nissan

View our Huge Inventory of New and Used Nissan Cars, Trucks, and SUVs.

APIA - Comunicado de las Fuerzas Armadas Revolucionarias del ...

Fuerzas Armadas Revolucionarias del Pueblo, FARP República Mexicana, a 7 de agosto de 2006 Enviado el Tuesday, 08 August a las 09:33:36 por apia ...

Cronología de Ejército Popular Revolucionario (EPR) y de las ...

Sujetos desautorizados, quienes estaban vinculados con el grupo subversivo Fuerzas Armadas Revolucionarias del Pueblo (FARP), que operaba en el estado de ...

CRONOLOGIA DEL EPR, el ERPI y las FARP (2000-2001) -

La Coordinadora Guerrillera Nacional "José María Morelos", integrada por las Fuerzas Armadas Revolucionarias del Pueblo (FARP), el Ejército Villista ...

CEC-EMA ORG // Centro de Documentación de los Movimientos Armados -

Documentación Fecha País Grupo Categoría Título 2006 08 26, México, Partido Democrático Popular Revolucionario-Ejército Popular Revolucionario ...

UNCLASSIFIED//FOR OFFICIAL USE ONLY

Notice how different the results are if we switch to Google Mexico <<http://www.google.com.mx/>> and limit the search to Mexican pages; virtually every result refers to the Mexican group FARP, the one we were seeking:

[Accede](#)

La Web [Imágenes](#) [Grupos](#) [Noticias](#) [Desktop](#) [más »](#)

Google [Búsqueda](#) [Búsqueda Avanzada](#)
[Preferencias](#)

Búsqueda la Web páginas en español páginas de México

La Web Resultados 1 - 10 de aproximadamente 188 de "Fuerzas Armadas Revolucionarias del Pueblo". (0.36 segundos)

[boletín](#)
 ... SE TIENE CONOCIMIENTO QUE LAS FUERZAS ARMADAS REVOLUCIONARIAS DEL PUEBLO "FARP", SON UNA FRACCIÓN ESCINDIDA DEL AUTO DENOMINADO EJÉRCITO POPULAR ...
www.pgr.gob.mx/areas/canal/ba01/Agro/MS5001.html - 14k - [En caché](#) - [Páginas similares](#)

[El Sur de Acapulco 26 de del 2006](#)
 ... a pesar de todas las descalificaciones y que han usado a las FARP (Fuerzas Armadas Revolucionarias del Pueblo), para golpear al movimiento armado, ...
www.suracapulco.com.mx/nota.php?id_noti=9299 - 18k - [En caché](#) - [Páginas similares](#)

[El país, intestado de grupos guerrilleros](#)
 -Fuerzas Armadas Revolucionarias del Pueblo. Grupos con presencia regional: Sonora. -Comité de Defensa del Pueblo Baja California Sur ...
www.lacrisis.com.mx/cgi-bin/cris-cgi/DisComun.cgi?column22%7C20040406031218 - 13k - [En caché](#) - [Páginas similares](#)

[Regreso de las bombas catalizadoras](#)
 ... y acreditados a un grupo autodenominado Fuerzas Armadas Revolucionarias del Pueblo. Nunca se supo más de esa organización supuestamente guerrillera, ...
www.lacrisis.com.mx/cgi-bin/cris-cgi/DisComun.cgi?column04%7C20040527065241 - 9k - [En caché](#) - [Páginas similares](#)

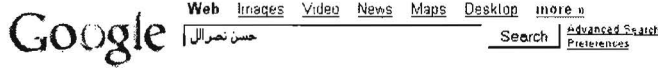
[Abrió PGR 15 averiguaciones en Oaxaca. Cabeza de Vaca](#)
 ... y de las Fuerzas Armadas Revolucionarias del Pueblo (FARP), escisión del PDPR-EPR, con una actividad de propaganda político-militar en Nazareno Etla, ...
www.oem.com.mx/elsolddeacapulco/notas/n35921.htm - 20k - [En caché](#) - [Páginas similares](#)

[La Jornada](#)
 ... Nolasco buscaban información sobre actividades de las Fuerzas Armadas Revolucionarias del Pueblo (FARP), que hizo su aparición en Xochimilco en 1999. ...
www.jornada.unam.mx/2004/11/27/039n1c1p.php - [Páginas similares](#)

[Cuestiona la APPQ a Rueda por el posible regreso a clases](#)
 Más aún, las Fuerzas Armadas Revolucionarias del Pueblo (FARP) convocaron a todos los actores políticos del movimiento popular y municipal a llamar "a la

Google's local search usually offers the options to search all of Google, pages only from that country, or pages only in the language of the country (sometimes, as in the case of India, the Google local search has versions in multiple languages). As we have seen, you will get very different search results if you limit your search to a specific country and search in the language of that country; the results are especially dramatic when the native language uses non-Latin encoding. Here is a comparison of a search for [حسن نصرالله] (Nasrallah), first in generic Google:

UNCLASSIFIED//FOR OFFICIAL USE ONLY



Web

TunisiaGate Community - [Translate this page]
Full Version: ...
www.tunisiagate.net/Forum/lofversionfinder.php?795.html - 27k - Cached - Similar pages

... [Translate this page]
www.tunisiagate.net/Forum/index.php?act=ST&f=24&t=795 - 108k - Supplemental Result -
Cached - Similar pages

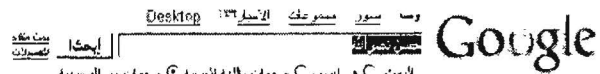
BBC Arabic.com | ... [Translate this page]
...
news.bbc.co.uk/1/arabic/middle_east_news/newsid_5205000/5205350.stm - 56k -
Cached - Similar pages

Palestine Information Center - [Translate this page]
...
www.palestine-info-urdu.com/urdu/hamas/hamas_statements/2004/1001.29_3004.shtml - 34k -
Cached - Similar pages

Palestine Information Center - [Translate this page]
...
www.palestine-info-urdu.com/urdu/news/2004/april/1/index.shtml - 221k -
Cached - Similar pages

Iranian Bar Associations
...
www.iranbar.org/ia21.php - 38k -
Cached - Similar pages

Here is the same search at the Google Saudi Arabia site limited to Saudi sites:



النتائج 1 - 10 من حوالي 26.900 ل حسن نصر الله (الوقت المستغرق: 0.04)

حسن نصر الله
Read the Latest News on U.S
Foreign Policy, Visa & Education

Al-Watan - A Saudi newspaper concerning the global, regional, and local matters in sense of conveying the religious, commercial, political, social, ...
www.alwatan.com/saudi/2006-03-23/publics/politics/01.html - 24k

تعلن اي حزب الله ما كان قانس ...
اعلى الامين العام لحزب الله حسن نصر الله في مقابلة مع التلفزيون "الجديد" اللبناني (تقري ...
www.alwatan.com/saudi/2006-03-23/first_page/04.html - 24k

مبنديات الهندية تت - نزل المصاه ...
في حسن نصر الله و أمثله لس اعتر به ... على ما قاله امي عن السيد حسن نصر الله فهو يمارت ...
www.alwatan.com/saudi/2006-03-23/first_page/04.html - 24k

مبنديات الهندية تت - متحركة الأمة أم ...
أما تصريحات المتحدث حسن نصر الله الأخيرة فهي متهافة "الدال" والساسة فيها إسرائيل ...
www.alwatan.com/saudi/2006-03-23/first_page/04.html - 24k

جزيرة الرياض نصر الله عملة الأند ...
اعلى الامين العام لحزب الله حسن نصر الله في مقابلة مع التلفزيون "الجديد" ...
www.alwatan.com/saudi/2006-03-23/article/92939.html - 17k

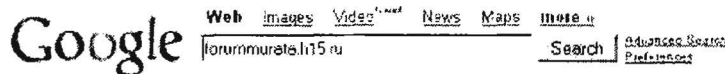
جزيرة الرياض أول حزب لا تسكت ...
أولويات لا جديد تسكتة حسن نصر الله (أف من) الله رئيس الوزراء الإسرائيلي ايهود ...
www.alwatan.com/saudi/2006-03-23/article/92939.html - 17k

اعتقال "حسن نصر الله" - مبنديات عاتق ...
اعتقل حسن نصر الله "عند وراه ...
www.alwatan.com/saudi/2006-03-23/article/92939.html - 17k

UNCLASSIFIED//FOR OFFICIAL USE ONLY

You can, of course, search in Arabic at the generic Google website, or you can go to various specific Google locations to search. Your results will be different depending on where you search, how you limit your search (by domain, country), and in what language you search. While basic Google may be fine for a "quick and dirty" search, detailed research requires us to explore and exercise many search options.

I suspect we are all guilty of relying too heavily upon Google and thinking that if it is not in Google, it doesn't exist (well, at least not on the web). That, of course, is wrong. Here is an example. First are the results—rather, the absence of results—of a Google query for a Russian website [forummurata.h15.ru]:



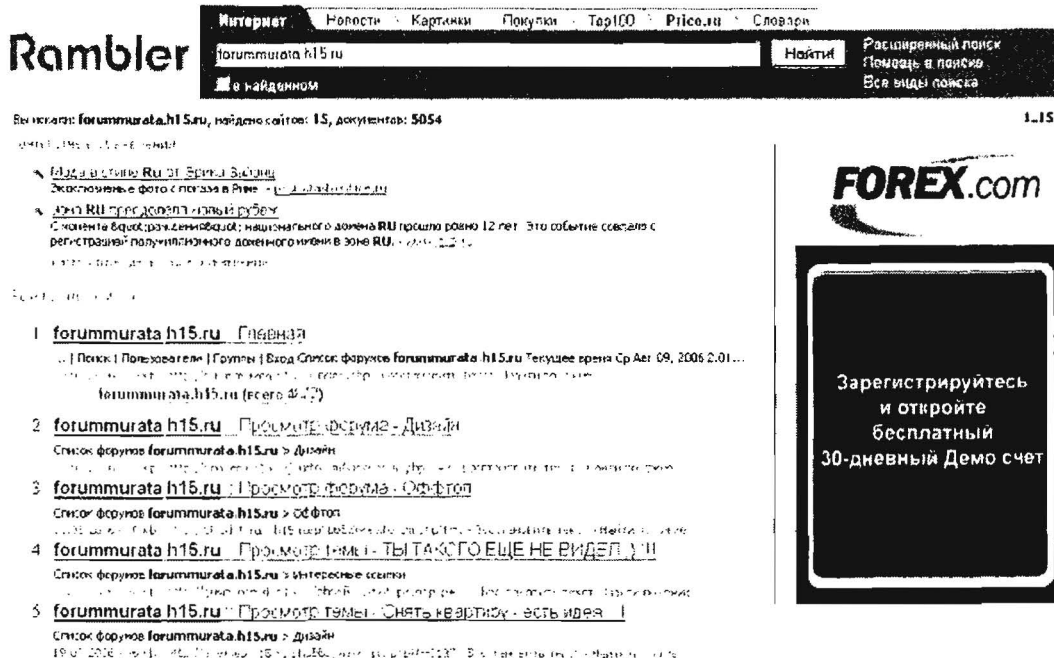
Web

Your search - forummurata.h15.ru - did not match any documents.

Suggestions

- Make sure all words are spelled correctly.
- Try different keywords
- Try more general keywords

Even Google Russia does not find this particular url. However, look at the results for the identical query from the Russian search engine Rambler, which returns 5054 documents from 15 sites:



UNCLASSIFIED//FOR OFFICIAL USE ONLY

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Please believe me when I tell you that there is a remarkable lack of search engine overlap in general, and those differences become even more dramatic when we are focusing on international sites, terms, and non-English/non-Latin encoding.

Interestingly, in the example above, Yahoo performs well, returning 37 hits for the same query. The results for Yahoo and Yahoo Russia are virtually identical, which means they are searching essentially the same database, while in general Google's local searches produce very different results. Yahoo offers its own version of an international page.

Yahoo! International

<http://world.yahoo.com/>

The screenshot shows the Yahoo! International website interface. At the top, there are navigation links: "Yahoo! My Yahoo! Mail Make Y! your home page". On the right, there is a search bar with the text "Search the Web" and a "Search" button, along with a "Help" link. The main heading is "International Yahoo!". Below this, there are three columns of country-specific links:

- Americas**
 - Argentina
 - Brazil
 - Canada
 - Canada en français
 - Mexico
 - U.S.
 - U.S. in Chinese
 - Y! Telemundo
- Asia Pacific**
 - Asia
 - Australia & NZ
 - China
 - Hong Kong
 - India
 - Indonesia
 - Japan
 - Korea
 - Malaysia
 - Philippines
 - Singapore
 - Taiwan
 - Thailand
 - Vietnam
- Europe**
 - Austria
 - Catalan
 - Denmark
 - Finland
 - France
 - Germany
 - Greece
 - Italy
 - Netherlands
 - Norway
 - Russia
 - Spain
 - Sweden
 - Switzerland
 - UK & Ireland

Below the text links is a world map with small circular markers indicating the location of each country link. The map shows a global distribution of links across all continents.

While non-US search sites are often the best places to perform country-specific searches, finding these resources can be a research project in itself. Your best bet for locating these search tools is to start with a directory of search engines that offers a section devoted to international search tools, such as the sites listed here. Also, remember to look at the megasearch sites for sections on international, regional, or country search engines.

All Search Engines.com

<http://www.allsearchengines.com/foreign.html>

Beaucoup!

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

European Search Engines

http://www.netmasters.co.uk/european_search_engines/

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

FetchFido European Search Engines

http://homepage.ntlworld.com/fetchfido2/interface/search_engines_european.htm

FetchFido World Search Engines

http://homepage.ntlworld.com/fetchfido2/interface/search_engines_worldwide.htm

FinderSeeker

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

Infisource Foreign Language Search Engines

<http://www.infisource.com/search-engines.html#foreign>

International Search Engines

<http://www.arnoldit.com/lists/intlsearch.asp>

ISEDDB Local and Regional Search Engines

http://www.isedb.com/html/Internet_Search_Engines/Local_and_Regional_Search_Engines/

ISEDDB Local and Regional Directories

http://www.isedb.com/html/Web_Directories/Local_and_Regional_Directories/

Phil Bradley's Country Based Search Engines

<http://www.philb.com/countrysse.htm>

Regional and Special Search Engines

<http://www.ntu.edu.sg/lib/search/specialframe.htm>

Search Engine Colossus★

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

Search Engine Guide

<http://www.searchengineguide.com/pages/Regional/>

Search Engine Index

http://www.search-engine-index.co.uk/Regional_Search/

Search Engines 2

<http://www.search-engines-2.com/>

Search Engines Worldwide (2003)

<http://home.inter.net/takakuwa/search/>

Ultimate Search Engines Links Page

<http://www.searchenginelinks.co.uk/>

In summary, the basic rules for international search are:

- Search first using generic search engines such as Google, Yahoo, Live Search, Gigablast, Exalead for a quick overview and to size the query.
- Locate and bookmark multiple international search engines and directories, including country-specific search sites of major search engines such as Google and Yahoo.
- Search on the English-language term [Kurdistan Workers Party], the transliterated term [Partiya Karkeran Kurdistan], the native language term in its proper encoding, e.g., [Partiya Karkerên Kurdistan] in Kurdish, and the term in any related language, e.g., [Kürdistan İşçi Partisi] in Turkish.
- Search for variations on a name, e.g., PKK is also known as KADEK, Kongra-Gel, the Freedom and Democracy Congress of Kurdistan, Halu Mesru

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Savunma Kuvveti (HSK), or the Kurdistan People's Congress (KHK)...you get the idea. Some queries demand a lot of attention and effort.

- Search for acronyms in their native language version [PHE], a transliterated version [RNE], or an English-language version [RNU], all of which stand for the group Russian National Unity, aka Russkoe Natsionalnoe Edinstvo (RNE) or РУССКОЕ НАЦИОНАЛЬНОЕ ЕДИНСТВО (PHE).
- Use sites such as Wikipedia to find native language spellings and encodings; these can be copied and pasted into search engines that can properly handle non-Latin encoding and/or diacritics.
- Limit queries to country-level domains (e.g., site: plus country digraph) or to a specific language (e.g., language: plus country digraph) or use the search engine's advanced search feature.

Rule Six

Look for specialized and/or unique functions in foreign search engines.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Online Dictionaries and Translators

Finding online translation tools is becoming easier as the quality of these machine translators steadily improves as well. There are three basic types of translation tools available via the Internet. At the simplest level are **online dictionaries**, which translate one word at a time, usually from one language to another. One step up from online dictionaries are text translators, which translate words, phrases or maybe a paragraph entered either by typing or by copy-and-paste. **Text translators** are most useful for translating an odd or unusual word or phrase to English. The crown jewels of Internet translation are the **web page translators**, which automatically translate a web page or even an entire website. The quality of the machine translation varies enormously from product to product (some are surprisingly good; others are dreadful). However, most are usually good enough to let you know if the page you're viewing is about soccer or cellular technology. And certainly if you are dealing with languages that do not use the Latin alphabet (Russian, Chinese, Hebrew, for example), almost any machine translation is a blessing.

yourDictionary

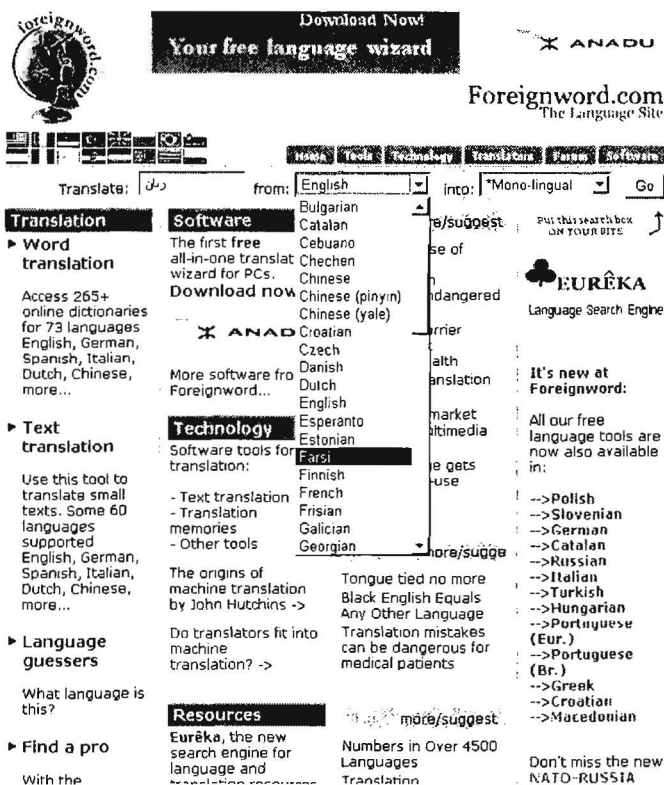
<http://www.yourdictionary.com/index.shtml>

There are innumerable language dictionaries now on line, most of which offer some sort of automated look-up feature. I believe the best of the online dictionary metadirectories is the one created at Bucknell University that has become yourDictionary.com. This site has the most comprehensive, impressive set of links to dictionaries I have seen.

Foreignword

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

Foreignword is an excellent language and translation resource that automatically links users with more than 265 online dictionaries for 73 languages and single point access to 28 text and url translators for over 38 different languages. Be sure to check the **Tools** page for **Translate Now!**. This page provides access to machine translation tools, including Systran, Arcnet, Worldingo, InterTran, and Cybertrans, among others.



PROMT

<http://www.translate.ru/eng/srvurl.asp>

PROMT maintains the best overall web page translation service. PROMT offers both text and url translations to and from English, Russian, French, German, and Spanish. Keep in mind there are many more single language machine translation services available. Use Word2Word and Foreignword to locate these sites.

The most widely used, though not the best, translation system on the Internet remains the **Systran** machine translation software. Systran's translation is available through AltaVista's Babelfish, Google, AOL, and the French search engine Voila.

The screenshot shows the PROMT website interface. At the top, there is a navigation bar with links for News, TRANSLATOR, Shop, FAQ, and About service. A banner for PROMT Online TRANSLATOR lists supported languages: ENGLISH, RUSSIAN, DEUTSCH, FRANCAIS, ITALIANO, and ESPAÑOL. A pop-up window for '@prompt Professional 7.0: Features and Benefits' is visible, offering 'Plugins for MS Office XP/2003' and 'Customization Options' with a 'Check the Benefits' button.

On the left side, there are links for 'Translate text', 'Translate WWW', 'Translate E-mail', and 'Translate VAP'. Below these are sections for 'Register', 'Download translator', 'PROMT's News' (with dates 27.11.2006 and 18.10.2006), '03.10.2006 PROMT enters the Swedish market', and 'News Subscription'.

The main content area features a heading 'Website Translation by PROMT' and a description: 'PROMT offers free Website Translation service for English, German, French, Spanish, Portuguese (Brazilian), Italian and Russian languages. The service is powered by new @prompt 7.0 translation software. All the text content of Web site will be translated including hyperlinks and picture titles. Also, the original Web site layout is preserved in translated pages and linked pages will be translated automatically when you navigate to them.'

Below the description is a form titled 'Online TRANSLATOR' with fields for 'Address', 'Direction', 'Encoding', 'Autotranslate links', 'Transliterate unknown', and 'How to translate'. The 'Direction' dropdown is set to 'English-Russian translation'. A 'Translate!' button is present.


On the right side, there are promotional banners for 'Discounts in our shop' (Jul 17 - Jan 18) and 'Choose translator: Pocket PROMT 5.0' (priced at \$69 and \$51) and '@prompt Office 7.0' (priced at \$99).

Logos Multilingual Portal


Another site that has been around for years but was vastly improved is the **Logos Multilingual Portal**. Logos includes a dictionary, a universal conjugator, glossaries, a translation course, and links to other language and translation sites. The Logos dictionary contains over 7 million entries in 150 languages. In addition to translating terms, the Logos dictionary gives complete definitions, grammar, context, pronunciation, and, in some cases, associated pictures. Logos also offers access to over 1000 glossaries in different languages.


One of Logos' best features its ability to search in all languages at once, which is very helpful in **language identification**, i.e., identifying non-English terms without needing to know the language of origin. The easiest way to find terms in multiple languages is to go to the *Logos Dictionary main page*, select *Advanced Search*, then type in the term. Logos will present the term in all the languages in which it occurs:

UNCLASSIFIED//FOR OFFICIAL USE ONLY



non solo parole





Abbiamo bisogno di vincere la fame, la miseria e l'esclusione sociale.
Associazione Italiana Sostenitori Fame Zero

[about us](#)
[dictionary](#)
[children's dictionary](#)
[universal conjugator](#)
[wordtheque](#)
[children's library](#)
[logos toolbars](#)
[anagrams](#)
[crossword](#)
[add search box](#)


query word: parole **Language:**

query again [help](#)


	English	parole
	French	parole
	Hebrew	parole
	Italian	parole
	Latvian; Lettish	parole


5

If I then select *parole* in Italian, I am presented with its definition (in Italian) and the option to translate *parole*, with the following results:



non solo parole





ASSOCIAZIONI, NOMI E NUMERI
CONTRO LE MAFIE

[about us](#)
[dicologos](#)
[children's dictionary](#)
[universal conjugator](#)
[wordtheque](#)
[children's library](#)
[logos toolbars](#)
[anagrams](#)
[crossword](#)
[add search box](#)
[forum](#)
[glossaries](#)
[help](#)
[credits](#)
[translation course](#)
[wordfast](#)
[verba volant](#)
[home page](#)

Translation for: parola **Language:** Guest User

Query again: [Search](#) [Advanced Search](#)
[Help](#)

	English	L	word
	Italian	L	parola
	Spanish	L	palabra
	French		mot
	German		Wort
	Russian	L	слово
	Arabic	L	كلمة
	Chinese	L	词
	Albanian		fjalë
	Aragones		parola
	Asturian		pallabra
	Basque	L	hitza
	Bengali; Bangla		শব্দ
	Bolognese		paròla
	Brazilian Portuguese		palavra
	Bresciano		parlà
	Breton		ger

5439624-

UNCLASSIFIED//FOR OFFICIAL USE ONLY

Logos also offers a feature called **Logos Library** (formerly Wordtheque), which is an interface to a vast database containing nearly 700 million words in almost 32,000 texts of novels, technical literature, and other texts in many languages. Logos is certainly one of the most valuable linguistic resources on the Internet. For example, here is a search on the keyword [web] and [shakespeare]:

The screenshot shows the Logos search interface. At the top, there are logos for 'Logos' (with the tagline 'non solo parole') and 'BERA' (with the tagline 'ASSOCIAZIONI, NOMI E NUMERI CONTRO LE MAFIE'). Below these is a search bar with the following fields: 'SEARCH_BY' (set to 'author'), 'word:' (set to 'web'), 'author:' (set to 'shakespeare'), and 'title:'. There are 'search' and 'cancel' buttons. Below the search bar is a navigation menu with links for 'Wordtheque', 'news', 'jobs', 'ToolBar', and 'stats', along with the text 'You can tell a word by the company it keeps'. The main content area is divided into three sections: 'news', 'browser', and 'Wordtheque'. The 'news' section shows 'New publications this month'. The 'browser' section contains various tools like 'about us', 'diologos', 'children's dictionary', 'universal conjugator', 'wordtheque', 'children's library', 'logos toolbars', 'anagrams', 'crossword', 'add search box', 'forum', 'glossaries', 'help', 'credits', 'translation course', and 'wordfast'. The 'Wordtheque' section displays search results for 'web'. The first result is 'Match N. 1' with author 'Shakespeare William', title 'KING HENRY V', source 'http://the-tech.mit.edu/Shakespeare/History/kinghe', and subject 'DRAMA (812)'. It includes a snippet of text: '... FLUELLEN "Tis no matter for his swellings nor his turkey-cocks. God pless you, Aunchient Pistol! you scurvy, lousy knave, God pless you! PISTOL Ha! art thou bedlam? dost thou thirst, base Trojan, To have me fold up Parca's fatal web? Hence! I am qualmish at the smell of leek. FLUELLEN I peseech you heartily, scurvy, lousy knave, at my desires, and my requests, and my petitions, to eat, look you, this leek: because, look you, you do not love it,'. The second result is 'Match N. 2' with author 'Shakespeare William', title 'VENUS AND ADONIS', source 'http://the-tech.mit.edu/Shakespeare/Poetry/VenusAn', and subject 'POETRY (811)'. It includes a snippet: '... believe, and yet too credulous! Thy weal and woe are both of them extremes; Despair and hope makes thee ridiculous; The one doth flatter thee in thoughts unlikely, In likely thoughts the other kills thee quickly. Now she unweaves the web that she hath wrought; Adonis lives, and Death is not to blame; It was not she that call'd him, all-to naught: Now she adds honours to his hateful name; She clepes him king of graves and grave for kings,'. The third result is 'Match N. 3' with author 'Shakespeare William' and title 'TRICILUS AND CRESSIDA'. On the right side, there are additional links for 'Wordtheque Biography all the Wordtheque biographies' and 'translators exchange'.

Logos http://www.logos.it/lang/transl_en.html

Logos Dictionary http://www.logosdictionary.com/pls/dictionary/new_dictionary.index_p

Fagan Finder Translation Wizard

The main page of Michael Fagan's excellent search site, **Fagan Finder** is designed to "help people find what they are looking for" by providing a variety of web, reference, media, news, and other search options. The home page also includes a number of links to "informational pages" (e.g., on RSS, popularity rankings) and useful tools. Probably the best of Fagan's useful tools is the **translation wizard**. The translation wizard brings together over two-dozen online translators from other

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

websites. Many of the translators Fagan Finder accesses will already be familiar to users—Systran, PROMT, InterTran. But there are many others that users may not know about and Fagan Finder can help you locate and use them from one interface.

Keep several things in mind: first, Fagan Finder is simply an **interface to translation tools located at other websites**. Second, some of the tools it accesses are only word-for-word (“dictionary”) translations while other will translate blocks of text and still others are true url or webpage translators, translating entire webpages or even sites. Finally, some of the sites Fagan Finder accesses require registration to use (e.g., Ajeeb’s Arabic to English webpage translation tool). All this being said, the Fagan Finder translation wizard is a wonderful resource not only because of all the translation tools it brings together in one place, but perhaps even more for the **virtual international keyboards** it offers. At present, Fagan Finder provides the following virtual keyboards:

- Arabic
- Cyrillic
- Greek
- Hebrew
- Thai

Virtual keyboards make it much easier to translate text from one of these languages to English because they mean users do not need international input locales (i.e., software for non-Latin keyboards) loaded on their computers. Fagan Finder’s virtual keyboard option even supports right-to-left languages. Second, the international keyboards can be used not only to translate terms but also to search on non-English terms. How? It’s simple. Select the international keyboard of your choice at Fagan Finder, type a word or phrase in, say, Hebrew.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Fagan Finder Translation Wizard

<http://www.faganfinder.com/translate/>

Then copy and paste the Hebrew term or phrase into a search engine such as Google and Yahoo (and many international search engines) that handle multiple character encodings and you can search on the term without having to load a Hebrew keyboard.

Here are some other interesting and important facts and features about the Fagan Finder translation wizard. The wizard gives users the option to *list all translation matches*, to *choose multiple translators* (when available), to *select dialects*, to list matches if there are several translation tools so users can pick one or more. Also, in addition to HTML, PDF and **SWF (Flash) file formats** are supported for webpage translations.

Another useful tool that is part of the Fagan Finder translation wizard is the **language identification interface**. Here users can **enter either text or a url**, and Fagan Finder will query a set of language identification tools to try to determine the language and encoding of the text. However, keep in mind that it often easy to determine the language/encoding of a webpage either by looking at the **Page Info** (in Mozilla only; look at *charset*) or **Page Source** in both Mozilla and Internet Explorer. Look for *charset*, which will indicate a specific character set, which you can then use to identify the language. For example, Windows-1256, ISO 8859-6, ISO 8859-1 all are Arabic language encodings.

However, you cannot always find this information using Page Source/Info and, for individual words or phrases, Fagan Finder's language identification interface is especially valuable. My tests of the language identification tool indicate it usually does a good job of identifying either the language alone or the language and the encoding. Fagan Finder's language identification is not a single tool but a single interface to many language identification tools. Users have the option to choose among 10 language identification tools. Given the complexity and difficulty of language identification, it's probably a good idea to compare the results of several different tools and not rely on one.

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

For each supported language, Fagan Finder also provides a separate page with useful information about the language, translations, and links to other related sites. Fagan Finder does offer a complete list of supported languages, though there is no link to it from either the Fagan Finder home page or translation wizard page (the link is below). There is also a separate page listing all the translators invoked by Fagan Finder and a page devoted to the translation wizard's language identification tool.

Fagan Finder Translation Wizard <http://www.faganfinder.com/translate/>

Fagan Finder Translation Wizard Languages Page
<http://www.faganfinder.com/translate/language.php>

Fagan Finder Translation Wizard List of Translators
<http://www.faganfinder.com/translate/tool.php>

Fagan Finder Translation Wizard Language Identification
<http://www.faganfinder.com/translate/identify.php>

Google's Arabic ↔ English Webpage and Text

http://www.google.com/language_tools

Until recently, the only free online Arabic/English webpage translation tool was the Tarjim Site for Online Translation using the Sakhr translation software, where registration was required. Late last week Google introduced Arabic ↔ English text and—more importantly—webpage or url translations to its language tools page. Here's what Google had to say about its new tool:

“Because we want to provide everyone with access to all the world's information, including information written in every language, one of the exciting projects at Google Research is machine translation. Most state-of-the-art commercial machine translation systems in use today have been developed using a rules-based approach and require a lot of work by linguists to define vocabularies and grammars.

Several research systems, including ours, take a different approach: we feed the computer with billions of words of text, both monolingual text in the target language, and aligned text consisting of examples of human translations between the languages. We then apply statistical learning techniques to build a translation model. We have achieved very good results in research evaluations.

Now you can see the results for yourself. We recently launched an online version of our system for [Arabic-English](#) and [English-Arabic](#). Try it out! Arabic is a very challenging language to translate to and from: it requires long-distance reordering of words and has a very rich morphology. Our system works better for some types of text (e.g. news) than for others (e.g. novels) — and you probably

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

should not try to translate poetry ... but do stay tuned for more exciting developments."¹⁰⁸

The big question in everyone's mind is: how good is this new tool? Take a look at this translation of the main Arabic Wikipedia page, first in Arabic...

عدد المسجلين 3

صفحة | تاريخ هذه الصفحة | عرض المصدر | ترحيب للصفحة

الصفحة الرئيسية

ويكيبيديا
الموسوعة الحرة

الأحد
30 أبريل
2006
رابع الآون
1427 هـ

ويكيبيديا مشروع متعدد اللغات في أكثر من مئة لغة لتسبغ موسوعة دقيقة ومبتكرة ومفتوحة وحديثة ومجانية للجميع. يستلهم الجميع المساهمة في تحسينها. بدأت التسعة للنبية في يوليو/تموز 2003. ويوجد الآن 12.702 مقالة فيها.

إذا كنت هذه زيارتك الأولى للموقع، فإن قراءة صفحة ترحيبنا ستساعدك على فهمنا والإطلاع على صفحة الترحيب. من الممكن أن نخذ ما نريده نضعه صفحاتنا. الرجاء التوجه إلى سبب ويكيبيديا للمناقشة.

إحداثيات | التاريخ | تكنولوجيا | ثقافة | جغرافيا | دولة عربية | إنسانيات | علوم | مجتمع

اصنعج حسب الموضوع | تصحيح الأخطاء | استعراض الأخطاء | فهرس الأخطاء | فهرس الأخطاء

مفاهيم ونصير

أدب • مسلمات • رسم • سنما • صلاوة • لغات • تصحيح • موسيقى

مفاهيم ومفاهيم

ألمنة ومفاهيم • الفلسفة • التاريخ • نون • حيوانات • رياضة • سياسة • برمجة • صحافة • صحوة • قانون • نخل • نخل

علوم إنسانية وإحصاء

تاريخ • حروف • علم الآثار • علم الاجتماع • علم الإنسان • علم النفس • علوم بيولوجية • فلسفة • لغات • نخل • نخل

المشاركة والمساعدة

قائمة للمجتمع • مساعدة • النسخ • النسخ • النسخ

محت

الذهب | بحث

...then in the English translation provided by Google:

¹⁰⁸ Franz Och, Research Scientist, Google Research Blog, April 28, 2006, <<http://googleresearch.blogspot.com/2006/04/statistical-machine-translation-live.html>> (November 28, 2006).

الرئيسية | عرض هذه الصفحة | عرض المصدر للكتابة | تاريخ الصفحة

Main Page

"The Ekkebedia" multilingual project in more than one hundred language - Quinnet: Accurate, integrated, diversified, open, impartial and free of all, all can contribute to the editor. Launched the Arabic version in July 2003 There are now 12,698 Essay.

If this first site visit, initiated by reading pages Newcomers welcome new , and found on page Repeated questions Can find what they want pages look Assistance Please go to Field Ekkebedia General debate.

Sunday April 30 2006 The first spring E 1427



ويكيبيديا
المهسة عة الحرة
المشورة
الاصحة الموثوقة
الأحداث الطفرة
أحدث التغييرات

ANSANYAT | DATE | TECHNOLOGY | CULTURE | GEOGRAPHICALLY | DAILY LIFE | MATHEMATICA | SCIENCE | SOCIETY
Browse through thematic: Browse through the gates: Review essays: A alphabetical index: Ask the Ekkebedia: Other pages

- Culture The Arts**
Literature · Civilizations · Chart · Cinema · Amara · Languages · Scene · Music
- Life And the community**
Food and drinks · Economy · Games · Security · Animals · Sport · Tourism · Policy · Press · Health · Law · Plants · Transfer

- Natural sciences The Mathematica**
Alive · Neurological sciences · Orbit · Physics · Chemistry · Engineering
- Social sciences And humane**
Date · Wars · Archaeology · Sociology · Anthropology · Psychology · Political Science · Philosophy · Linguist · Batties

- تصفح
- الموضوع
- أخباري
- برقيات
- مراجعة عنقولة
- المشاركة والمساعدة
- بوابة المجتمع
- مساعدة
- المعاجز
- التكرفات
- بحث
- الذهب
- البحث
- لغات
- تعدا يرتبط بها

Google's Arabic language tool is based on the company's own research and development and is not a product of Systran. Is it perfect? Hardly, and no one would expect it to be. But is it a whole lot better than nothing? Absolutely. I have always found machine translation tools to be most useful in translating between two very different languages, for example between English and languages, such as Arabic, that do not use the Latin alphabet. Interestingly, this tool will probably not be met with enthusiasm in some Arabic speaking countries. For example, the UAE bans online translation tools, which creates an enormous barrier for non-English speaking Arabs because so little of the web is in Arabic.¹⁰⁹ However, all in all, this is extremely welcome news.

Babelplex Bilingual Search <http://www.babelplex.com/>

Babelplex is a "bilingual search service that searches the web in one language and in another language via a cross-language information retrieval system."¹¹⁰ Babelplex is the brainchild of HK Tang. As with many creations, Babelplex is the product both of Tang's frustration and his need for something that didn't exist. The frustration is

¹⁰⁹ United Press International, "The Web: Arabic Language Internet," 29 March 2006, <<http://www.physorg.com/news62862307.html>> (14 November 2006).

¹¹⁰ About Babelplex, <<http://www.babelplex.com/about.html>> (14 November 2006).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

one many of us have experienced: searching in non-Latin character sets when the keyboard is not configured for those languages. The need was driven by the fact that Tang and his family are bilingual, meaning they often want to search in more than just English. Tang also observed that "if you simply search down to the simplest equation, there are two sides. Output, which Google has solidly nailed down, and input, which is very relevant when searching in foreign text."¹¹¹ The input side is harder because computers are initially designed for the user to input text in one language, and anything else requires the user to make changes.

Babelplex does the work for you by using AltaVista's Babelfish Translation, Google Translate, or Yahoo Language Search tools and the AltaVista, Google, or Yahoo search tools to run parallel queries in two languages. Take a look at the Babelplex homepage and you'll get the idea:

Babelplex

and search your

Choose a search engine to Babelplex:

[AltaVista](#) - [Google](#) - [Google 中文\(简体\)](#) - [Google 中文\(繁体\)](#) - [Google 日本語](#) - [Google 中文](#) - [Google Deutsch](#) - [Google español](#) - [Google français](#) - [Google Ελληνικά](#) - [Google Italiano](#) - [Google Nederlands](#) - [Google Português](#) - [Google на русском](#) - [Yahoo!](#)

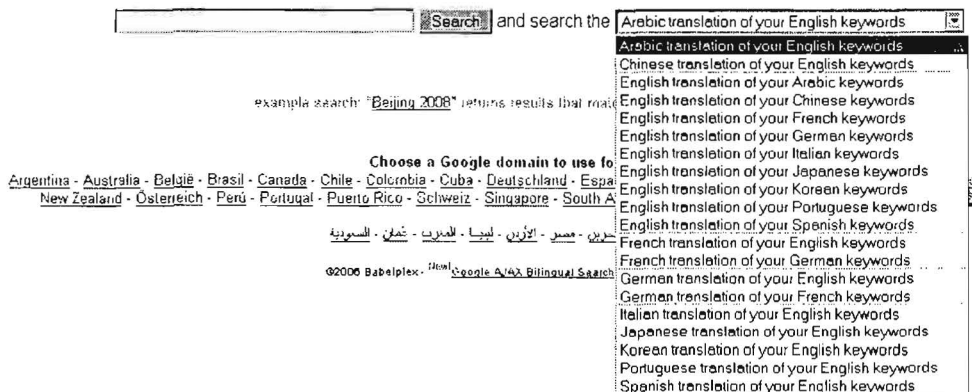
©2005 Babelplex - [Help](#)

What you don't see above is the list of *to* and *from* language pairs:

¹¹¹ John Battelle, "Babelplex: Search in Two Languages," *John Battelle's Searchblog*, 26 November 2004, <<http://battellemedia.com/archives/001065.php>> (14 November 2006).

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Babelplex



How do you use Babelplex? Enter a query in the SEARCH box in the language of your choice from the language pairs supported, then select a language to translate to/from. Babelplex now uses only Google to search. Here is a simple example of a search from English to Arabic:

Sign in

Web Images Video News Maps more »

Google policy today Search

Web Results 1 - 10 of about 531,000,000 for **policy today**. (0.28 seconds)

Policy Today - Home
Policy Today - A twice-monthly digital magazine spanning topics in politics, economics, law and society. **Policy Today's** editorial brief.
www.policytoday.com/ - 23k - [Cached](#) - [Similar pages](#)

Policy Today - Common Cause
 We are pleased that our redistricting reform efforts in California are featured in a new digital publication called **Policy Today** that debuted this week with ...
www.commoncause.org/redistricting/policytoday/ - 17k - [Cached](#) - [Similar pages](#)

Fiscal Policy Today
 Overview **Fiscal Policy Today** ... and by the 1960s the view that the government could use fiscal **policy** to "fine tune" the economy was widespread. ...
www.inqimagine.com/econ/FiscalDead/Overview14news.html - 7k - [Cached](#) - [Similar pages](#)

Amazon.com: Japanese Foreign Policy Today: Books: Takashi Inoguchi ...
Amazon.com: Japanese Foreign Policy Today: Books: Takashi Inoguchi,Purnendra Jain by Takashi Inoguchi,Purnendra Jain.
www.amazon.com/Japanese-Foreign-Policy-Takashi-Inoguchi/dp/0312227078 - 110k - [Cached](#) - [Similar pages](#)

AEI - Events
 We got a 6.1 percent average GDP growth per year, but I think that when we look at a more assertive Russian Foreign **Policy today** we should not confuse ...
www.aei.org/events/filter.all.eventID.1408/transcript.asp - 162k - [Cached](#) - [Similar pages](#)

AEI - Events

Sign in

Web Images Video News Maps more »

Google سياسة اليوم Search

Web Results 1 - 10 of about 1,370,000 for **سياسة اليوم**. (0.16 seconds)

سياسة اليوم - مجلة سياسية ... [\[Translate this page \]](#)
 //المجلة بيده الدولة وتوجهها سياسة اليوم الكبرى. يكن 12 ديسمبر/ نشرت مجلة // لوثوكه
[www.arabic.peopledaily.com.cn/200512/12/ara20031212_73406.html](http://arabic.peopledaily.com.cn/200512/12/ara20031212_73406.html) - 12k - [Cached](#) - [Similar pages](#)

سياسة اليوم - ديموقراطيون ... [\[Translate this page \]](#)
 ... من هذا الوقت يطبق على العرب الثورة؟ هذه الحرب- يظهر من سياسة الثورة؟ هل لنا كبرت أي أمل ...
www.asharqalawsat.com/leader.asp?section=3&article=391561&issue=10211 - 24k - [Cached](#) - [Similar pages](#)

سياسة اليوم - الهيئة العامة للاستعلامات المصرية ... [\[Translate this page \]](#)
 ... الثورة لمن مراحل التحولات برلمان 2005 ... تم الاختلاف الثورة في 57 دولة لتتأخر على ...
www.sis.gov.eg/Ar/EgyptOnline/Politics/000005020100000000000000424.htm - 7k - [Cached](#) - [Similar pages](#)

سياسة اليوم - الهيئة العامة للاستعلامات المصرية ... [\[Translate this page \]](#)
 ... الثورة المرحلة الأخيرة للتحولات. وتوقفت بالإضافة في معظم الدول ...
www.sis.gov.eg/Ar/EgyptOnline/Politics/000005020100000000000000424.htm - 7k - [Cached](#) - [Similar pages](#)
[\[More results from www.sis.gov.eg \]](#)

سياسة اليوم - عرض الإخبار ... [\[Translate this page \]](#)
 ... مبارك يبحث مع برودي الثورة ملاحق للبطولة ... مبارك يدعو الحكومة إلى مواصلة مساهمات ...
www.emigration.gov.eg/AllNews/DisplayNews.aspx?CatId=9&NewsId=0 - 41k - Nov 26, 2006 - [Cached](#) - [Similar pages](#)

سياسة اليوم - [Translate this page]
 ... الإسلاميون لا يرتفت شرعياً < فتأري التأييد ...
www.islamonline.net/Arabic/shariah_corner/Fatwa/topic_21/2006/08/02.shtml - 54k - [Cached](#) - [Similar pages](#)

Babelplex | policy today | google | and google the | Arabic translation of your English keywords | Left Frame Right Frame Split Frames

And here is the same query translated from Arabic to English:

Sign in

Web Images Video News Maps more »

Google سياسة اليوم Search

Web Results 1 - 10 of about 1,630,000 for **سياسة اليوم**. (0.03 seconds)

سياسة اليوم - ديموقراطيون ... [\[Translate this page \]](#)
 ... من هذا الوقت يطبق على العرب الثورة؟ هذه الحرب- يظهر من سياسة الثورة؟ هل لنا كبرت أي أمل ...
www.asharqalawsat.com/leader.asp?section=3&article=391561&issue=10211 - 24k - [Cached](#) - [Similar pages](#)

سياسة اليوم - الهيئة العامة للاستعلامات المصرية ... [\[Translate this page \]](#)
 ... الثورة لمن مراحل التحولات برلمان 2005 ... تم الاختلاف الثورة في 57 دولة لتتأخر على ...
www.sis.gov.eg/Ar/EgyptOnline/Politics/000005020100000000000000424.htm - 7k - [Cached](#) - [Similar pages](#)

سياسة اليوم - الهيئة العامة للاستعلامات المصرية ... [\[Translate this page \]](#)
 ... مبارك يبحث مع برودي الثورة ملاحق للبطولة ... مبارك يدعو الحكومة إلى مواصلة مساهمات ...
www.emigration.gov.eg/AllNews/DisplayNews.aspx?CatId=9&NewsId=0 - 41k - Nov 26, 2006 - [Cached](#) - [Similar pages](#)

سياسة اليوم - [Translate this page]
 ... الإسلاميون لا يرتفت شرعياً < فتأري التأييد ...
www.islamonline.net/Arabic/shariah_corner/Fatwa/topic_21/2006/08/02.shtml - 54k - [Cached](#) - [Similar pages](#)

Sign in

Web Images Video News Maps more »

Google The policy today Search

Web Results 1 - 10 of about 897,000,000 for **The policy today**. (0.18 seconds)

News results for The policy today - New today's top stories
 Don't ask 'policy on illegals under fire' - Toronto Star - 6 hours ago

Policy Today - Home
Policy Today - A twice-monthly digital magazine spanning topics in politics, economics, law and society. **Policy Today's** editorial brief.
www.policytoday.com/ - 23k - [Cached](#) - [Similar pages](#)

Fiscal Policy Today
 Overview **Fiscal Policy Today** ... and by the 1960s the view that the government could use fiscal **policy** to "fine tune" the economy was widespread. ...
www.inqimagine.com/econ/FiscalDead/Overview14news.html - 7k - [Cached](#) - [Similar pages](#)

Amazon.com: Japanese Foreign Policy Today: Books: Takashi Inoguchi ...
Amazon.com: Japanese Foreign Policy Today: Books: Takashi Inoguchi,Purnendra Jain by Takashi Inoguchi,Purnendra Jain.
www.amazon.com/Japanese-Foreign-Policy-Takashi-Inoguchi/dp/0312227078 - 110k - [Cached](#) - [Similar pages](#)

AEI - Events
 We got a 6.1 percent average GDP growth per year, but I think that when we look at a more assertive Russian Foreign **Policy today** we should not confuse ...
www.aei.org/events/filter.all.eventID.1408/transcript.asp - 162k - [Cached](#) - [Similar pages](#)

AEI - Events
 Russian Foreign **Policy Today: Ideology, Objectives, Tactics ... What are the objectives of Russian foreign policy and how are they related to the**

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Not bad. However, the quality of results varies greatly, in part depending upon the complexity of queries and in part on how good the translation software works. Anyone who has used machine translation tools knows they are limited. Here are some tips that might help make your Babelplex queries more successful.

- Keep it simple: the query [syllogism] worked very well going from English to most languages, but [windows operating system] stumped most of the translation services in pretty much every language.
- Avoid proper names: proper names probably will not translate; a search for [quicken] finds *acelere* in Spanish; a search for [bill gates] from English to simplified Chinese and back to English produced interesting but unhelpful results.
- Syntax matters: you will get different results for the translation to Spanish of the English query [spanish military] versus [military spanish].
- Use synonyms judiciously: while it might seem intuitively obvious that using synonyms or related terms might produce better results, it may in fact confuse matters. If you are searching for information about cows, [cow] produces better results than [cow cattle bovine steer]. Also, remember that the default operator for all these search engines is AND, so they will only return webpages containing all the search terms.

Babelplex has nice user features for viewing results. The split screen shows both the original query and the query translated into a second language. The left frame displays the results of the original query and the right frame shows the results in the language chosen for translation. If no translation of a query is possible, you will see the translation tool's webpage and will have the option to try the translation and subsequent search from that page.

Babelplex enters the pantheon of search engine augmentation sites—including FindForward, Soople, FaganFinder's Ultimate Google Interface—as a welcome and useful addition.

Finding Online Dictionaries

Foreignword <http://www.foreignword.com/Tools/dictsrch.htm>

Language Automation's Glossaries <http://www.rahul.net/lai/glossaries.html>

Martindale's Language and Translation Center
<http://www.martindalecenter.com/Language.html>

Paderborn University List of Dictionaries
<http://www-math.uni-paderborn.de/dictionaries/Dictionaries.html>

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Word2Word <http://www.word2word.com/dictionary.html>
 yourDictionary <http://www.yourdictionary.com/>

Online Multilingual Dictionaries

Digital Dictionaries of South Asia <http://dsal.uchicago.edu/dictionaries/>
 Eurodicautom* <http://europa.eu.int/eurodicautom/Controller>
 Foreignword <http://www.foreignword.com/Tools/dictsrch.htm>
 Language to Language <http://www.langtolang.com/>
 Logos * http://www.logos.it/lang/transl_en.html
 OneLook Dictionaries <http://www.onelook.com/>
 Online Dictionary <http://www.online-dictionary.biz/>
 English↔French, German, Spanish, Italian, Japanese, Chinese, Russian
 Papillon Project <http://www.papillon-dictionary.org/Home.po>
 English↔Estonian, German, French, Japanese, Vietnamese, Korean, Malay, Chinese
 FreeDict <http://www.freedict.com/>
 Travlang's Translating Dictionaries <http://dictionaries.travlang.com/>
 UltraLingua <http://www.ultralingua.net/>
 English↔German, French, Spanish, Italian, Portuguese, Esperanto, Latin
 Word Reference <http://www.wordreference.com/>

Online Text Translators

AjaxTrans <http://ajax.parish.ath.cx/translator/>
 Babelfish from Yahoo <http://babelfish.yahoo.com/>
 FreeTranslation** <http://www.FreeTranslation.com/>
 Foreignword <http://foreignword.com/Tools/transnow.htm>
 InterTran** <http://www.tranexp.com/win/itserver.htm>
 Mezzofanti Translations <http://www.mezzofanti.org/translation/>
 PhraseBase <http://www.phrasebase.com/translations/index.php?action=language>
 PopJisyo (Asian languages) <http://www.online-dictionary.biz/>
 PROMT** <http://www.translate.ru/eng/text.asp>
 Reverso** http://www.reverso.net/text_translation.asp

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

VoyCabulary <http://www.voycabulary.com/>
 WorldLingo** http://www.worldlingo.com/products_services/worldlingo_translator.html
 yourDictionary <http://www.yourdictionary.com/diction1.html#translate>

Online Web Page Translators

Ajeeb! Arabic ↔ English+ <http://tarjim.ajeep.com/ajeep/default.asp?lang=1>
 Babelfish from Yahoo <http://babelfish.yahoo.com/>
 InterTran** <http://www.tranexp.com/win/itserver.htm>
 PROMT <http://www.translate.ru/eng/srvurl.asp>
 Reverso** http://www.reverso.net/url_translation.asp
 Systran <http://www.systransoft.com/>
 VoyCabulary <http://www.voycabulary.com/>
 WorldLingo** http://www.worldlingo.com/en/websites/url_translator.html

Other Language Sites & Tools

Computing with Accents, Symbols, & Foreign Scripts
<http://tlt.its.psu.edu/suggestions/international/index.html>
 Detailed instructions from Penn State University for working on computers and the Internet in non-English characters and encodings.

+ Requires free registration

** Site offers virtual keyboard or special characters for non-English translations

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

You Gotta Know When to Fold 'Em

A last thought before bringing this section to a close. With the plethora of information available today via the Internet and the fact that more data is added every day, it is easy to fall prey to the erroneous belief that if we just know where to look on the web, the information we seek—*all* the information we seek—is “out there” somewhere. The danger is that this misguided idea will give rise to the ***never-ending search***, that is, the conviction that “if I just go to one more website, run one more query, or search one more database I’ll find what I’m looking for.”

Sometimes the information you need simply is not to be found on the Internet and no amount of searching, no amount of creativity or ingenuity can make it appear. I have the sneaking suspicion that most Internet researchers have fallen victim to the never-ending search on occasion because it is so tempting to believe that the answer is there, somewhere, only a few more clicks away. If the data is not available, you are not going to find it, no matter how clever or persistent you are, so try to keep this last in mind when you feel yourself becoming obsessed with a particular research topic:

Rule Seven

Know when to stop searching.

The problem with the Internet is that it is open-ended. Think of it in these terms. Let’s say your job is to go into a large room piled high with papers and determine if a particular document is in that room. If you are careful and methodical, you will eventually find the document or be able to say with confidence that the document is not in the room. Not so with the Internet. ***You can never be sure something is not “out there”*** because there are always more possible places the information could be located than you can search and examine. While the number of documents on the Internet may not in fact be infinite, in practical terms the Internet is limitless. So give yourself a break if you can’t find everything you’re looking for!

The Rules of the Road:

1. Use the right tool for the job.
2. Let other people do as much work for you as possible.
3. Develop, maintain, and backup bookmarks.
4. Use more than one search engine.
5. Read the instructions.
6. Use the specialized and/or unique functions of foreign search engines.
7. Know when to stop searching.

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Beyond Search Engines—Specialized Research Tools

Search engines are a good and natural starting place for performing research on the Internet, but they represent only a small portion of the data available on the web and only one way of tapping into that data. It is also important to understand that **search engine spiders do not access** (and therefore search engines do not index) **most data contained in many databases or websites that require registration or payment** to enter. For example, search engines do not normally index the data in PeopleData.com (a database) or any information beyond the first page or so of the *Chicago Tribune* (which requires registration). These types of sites require users to access them directly. The information at these sites is part of the invisible, hidden, or deep web.

The types of sites and information that are not generally accessible to search engines include:

- information in databases: phone and email directories, Whois registration & DNS data, dictionaries, encyclopedia articles, statistics, legal and medical data, financial information.
- rapidly changing information: news, airline flight information, stock, bond, currency market data, auctions.
- for-fee and subscription services.
- information behind a firewall (corporate, government, educational).

To give you a better idea just how vast the deep web is, consider these points from "The Deep Web: Surfacing Hidden Value"¹¹² by Michael K. Bergman.

¹¹² Michael K. Bergman, "The Deep Web: Surfacing Hidden Value," *BrightPlanet*, August 2001, <<http://www.brightplanet.com/technology/deepweb.asp>> (14 November 2006).

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

- Public information on the deep web is at least 400 to 550 times larger than the commonly defined World Wide Web.
- The deep web contains 7,500 terabytes of information compared to nineteen terabytes of information in the surface web.
- The deep web contains nearly 550 billion individual documents compared to the one billion of the surface web.
- More than 200,000 deep websites presently exist.
- Sixty of the largest deep-websites collectively contain about 750 terabytes of information—sufficient by themselves to exceed the size of the surface web forty times.

Therefore, it is vital to maintain a good set of bookmarks for a wide variety of research tools beyond search engines. Specialized search tools—database finders, email lookup tools, and online telephone and fax directories—are good first additions to a robust set of research tools.



Web Tip

If you don't want to "be found," never post to Usenet news-groups. Once you do, expect to be spammed and to appear in directories, such as email lookup databases. Your only real solution at this point is to get a new Internet account.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

UNCLASSIFIED//FOR OFFICIAL USE ONLY

Email Lookups

Email lookup tools vary widely in quality and the features they offer. Most, quite frankly, are not very good because their sources of data are poor. Most email lookup tools gather their information from two sources:

1. trolling Usenet news postings and
2. users who add themselves to the listing.

Also, don't expect to get a lot of information about someone even if you do manage to match a name and an email address. The most you usually get is a full name, a complete email address, and maybe an affiliation. This does not mean all email lookup tools are useless.¹¹³ Sometimes it is a coup just to match an email address with a name.

Email lookup tools sometimes offer some type of domain or reverse lookup. **Infospace** permits reverse email lookups in the format [@eunet.yu]. This option is not under email search but under **reverse lookups at:**

<http://www.infospace.com/home/white-pages/reverse-email>.

Furthermore, Infospace lets users enter **partial addresses and will return all listings starting with those characters**, e.g., [@eunet].

InfoSpace[®]

Names, Numbers, Now.[™]

The easy way to find
businesses and people.

<ul style="list-style-type: none"> home yellow pages white pages web search maps & directions browse categories search by phone ▶ near an address email search world directories 	<p>REVERSE LOOKUP</p> <ul style="list-style-type: none"> Phone Number Lookup Address Lookup Area Code Lookup ZIP Code Lookup International Dialing Codes Lookup Email Lookup <p>Match an email address to a name.</p> <div style="border: 1px solid black; padding: 2px; display: flex; align-items: center;"> <input style="width: 80%; border: none;" type="text" value="@eunet"/> <input style="width: 15%; border: none; margin-left: 5px;" type="button" value="GO"/> </div>	<p>Looking for the InfoSpace Corporate Web site?</p> <ul style="list-style-type: none"> InfoSpace Corporate InfoSpace Mobile Search & Directory <div style="background-color: black; color: white; padding: 5px; margin-top: 5px;"> <p>Free Toolbar Resources</p> <ul style="list-style-type: none"> Classifieds Weather Horoscopes Public Records My Lookup History Help </div> <div style="text-align: center; margin-top: 10px;"> <p>Access your Past Searches Fast!</p> <p><small>Use Lookup History to find your most recent searches again!</small></p> </div>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

¹¹³ In fact, *Wired* raised quite a few eyebrows with its article on Iraqi leader Saddam Hussein's public email account that was provided at the Iraqi President's website. Brian McWilliams, "Dear Saddam. How Can I Help?" *Wired*, 28 October 2002, <http://www.wired.com/news/conflict/0.2100,55967,00.html> (14 November 2006).

Infospace


<http://infospace.com/>

Infospace Email Lookup <http://www.infospace.com/home/white-pages/email-search>


Infospace Reverse Email Lookup
<http://www.infospace.com/home/white-pages/reverse-email>

Look4U claims to maintain a database of over 2 million Chinese names and email addresses not only from Taiwan and Hong Kong but also from China, Malaysia, Singapore, the US, and many more countries. The real advantage of Look4U is that it is designed to be searched in either GB or Big5 Chinese encoding but also permits the use of pinyin pronunciation of the name.


look - for - you



The Global Chinese People finder



- Search
- Add Me
- Login
- Language
- F.A.Q.
- Link to us
- About us



LOOK4U is the largest Chinese people finder in the world!
Search over 2 million Chinese names and e-mail addresses!

FIND A PERSON

English Name or Nickname:
e.g. Joseph Ng, Lin Mei-yu, Michael Chang, etc...

Search using pinyin ([Help](#))

Location:
More...

China

Everywhere

Australia

Canada

China

HongKong

Macau

Malaysia

Philippines

Singapore

Taiwan

USA

SEARCH

[Please read our copyright information and usage agreement.](#)

Look4U

<http://www.look4u.com/english/>

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~**Finding Email Directories**

Email-Directory.com <http://www.email-directory.com/>
 Nedsite <http://www.nedsite.nl/search/people.htm#email>

International Email Lookup Tools

Addresses.com <http://www.allemailaddresses.com/>
 Infospace Email Lookup <http://www.infospace.com/home/white-pages/email-search>
 Infospace Reverse Email Lookup
<http://www.infospace.com/home/white-pages/reverse-email>
 Look4U <http://www.look4u.com/english/>
 MESA MetaEmailSearchAgent <http://mesa.rzrn.uni-hannover.de/>
 Peoplesearch Reverse Email Search
[http://peoplesearch.net/peoplesearch/peoplesearch reverse email address.html](http://peoplesearch.net/peoplesearch/peoplesearch_reverse_email_address.html)
 World Email Directory <http://www.worldemail.com/freemail.htm>

Mega/MetaDirectories

If these email look-up sites aren't sufficient (or you would just like to see what other email search tools are available), the following websites either link to many email lookup web pages (megadirectories) or actually run parallel email searches from their site (metadirectories). These are also the fastest and easiest way to see if a region or country has an email search tool specific to it. Some do, but I have not had a great deal of luck finding useful information using these email lookups. However, as the Internet expands, expect these services to improve.

Email Megadirectories

Freeality Email Lookup <http://www.freeality.com/findet.htm>
 Infospace International Directories <http://www.infospace.com/intl/int.html>
 MESA MetaEmailSearchAgent <http://mesa.rzrn.uni-hannover.de/>
 Nedsite <http://www.nedsite.nl/search/people.htm#email>
 Peoplesearch
[http://peoplesearch.net/peoplesearch/peoplesearch reverse email address.html](http://peoplesearch.net/peoplesearch/peoplesearch_reverse_email_address.html)
 Infobel's Email Addresses
<http://www.infobel.com/teldir/teldir.asp?page=/eng/more/email>

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Telephone and FAX Directories

Most of the email lookup tools above also have a telephone lookup service as well, so I am not going to discuss these sites again. Be aware, however, that no single source has every directory listed and that new directories come on line all the time. Also, many telephone directories are limited to or strongly emphasize North American telephone and fax numbers. Your best bet by far for international phone and fax numbers are **country-specific directories**. Unlike the very limited international email directories, some international telephone and fax directories are outstanding.

There are two basic types of telephone directory sites: the first are specific telephone lookup sites where you can go and look up a number or name. The second are metasites, sites with many links to telephone directories on the web. These will help you find an online directory in a specific region, country, or city.

Infobel, the website of the Kapitol directory publishing company, is the best single source for online directories at present. It provides many types of directories for a number of countries, including Belgium, France, Luxembourg, Spain, Italy, Denmark, the Netherlands, UK, and more. In some cases, for example Belgium, there is even a GSM directory. Infobel allows users to pick any country, see which directories are available (white pages, yellow pages, GSM, fax), and go directly to that directory.

As of January 2003, **Infobel** and **Telephone Directories on the Web (Teldir)** merged, providing one huge interface to hundreds of links to white pages, yellow pages, fax listings, email addresses, and business directories by world regions. Teldir does not provide a search interface but is instead a directory of links to online directories for most of the countries that have them.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

Infobel's Telephone Directories on the Web <http://www.infobel.com/teldir/>

Phonebook of the World has emerged as one of the most comprehensive telephone directory sites. Click on the world map for your country of interest and Phonebook will tell you if there are white and/or yellow pages for that country online, then link you directly to the pages. Many online directories are, naturally, only in the native language. For example, each Brazilian state has an online directory and all are in Portuguese.

Phonebook of the World <http://www.phonebookoftheworld.com/>

Infospace International Directories is another good metaguide to international online phone directories. Selecting a specific country will show the types of online resources available—white pages, yellow pages, email directories—and, in a few cases, permit searches from the Infospace website. However, most of the phone directories are accessible only as links directly to their own webpages.

Infospace International Directories <http://www.infospace.com/intl/int.html>

International White and Yellow Pages, run by a Norwegian company, is another good starting place for finding online yellow pages, white pages, and fax directories.

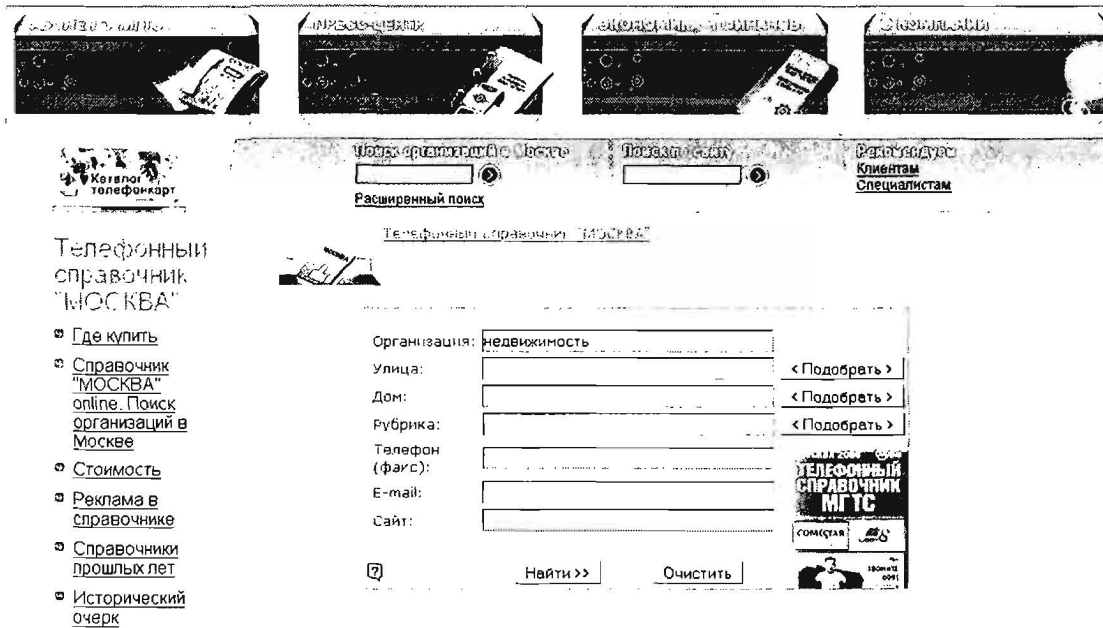
UNCLASSIFIED//FOR OFFICIAL USE ONLY

The site lists countries alphabetically by continent, indicating the types of online directories—white, yellow, fax—available for each.

International White & Yellow Pages

http://www.wayp.com/

Remember that city directories often produce better results than country directories, even though most phone directory lists lean towards country directories. Also keep in mind that it is important to search in the target language. Here is the Moscow City Telephone Directory, which has a very good search tool:



Users can search by type of business, street name and/or number, telephone number, email address, or even web address. But searching in Russian is a precondition of using the search tool to the fullest.

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

- Где купить
- Справочник "МОСКВА" online. Поиск организаций в Москве
- Стоимость
- Реклама в справочнике
- Справочники прошлых лет
- Исторический очерк

Система расчета тарифа
Тарифы на установку и пользование телефоном



Коды городов и стран

Страна/Город:

Код страны:

Показаны первые 50 компаний. Уточните условия поиска.

- » RAMBLER-НЕДВИЖИМОСТЬ интернет-журнал
119334, Донской 5-й пр., 216, комн. 19
Тел.: 9555524
E-mail: info@orsn.ru
Сайт: www.orsn.ru
Интернет-версия печатных изданий
- » АБС-НЕДВИЖИМОСТЬ ООО
127055, Сущевская ул., В-12, строен. 1, офис 426
Тел.: 5140461
E-mail: info@abc Realty.ru
Сайт: www.abc Realty.ru
Недвижимость - аренда, купля, продажа нежилой площади
- » АГЕНТСТВО ИНВЕСТИЦИЙ В НЕДВИЖИМОСТЬ ООО
115446, Академика Миллионщикова ул., 35, к. 4
Тел.: 1125516, 1150512
Имущество - аренда, купля, продажа
- АГЕНТСТВО ПЕНАТЫ - НЕДВИЖИМОСТЬ ООО
115533, Нагатинская ул., 33
Тел.: 7557775
Недвижимость - аренда, купля, обмен, продажа жилой площади
Недвижимость - аренда, купля, продажа нежилой площади
- » АГЕНТСТВО ПЕНАТЫ - НЕДВИЖИМОСТЬ ООО
109316, Волгоградский просп., 2
Тел.: 7557775; 2317723
Недвижимость - аренда, купля, обмен, продажа жилой площади
- » АКРУС-НЕДВИЖИМОСТЬ ООО
123308, Маршала Жукова просп., 1
Тел.: 7847757
Сайт: www.akrus.ru
Недвижимость - аренда, купля, продажа нежилой площади
- АЛЬФА-НЕДВИЖИМОСТЬ ООО
109428, Рязанский просп., 8а
Тел.: 2320840; 2324110
Недвижимость - аренда, купля, продажа жилой площади

Moscow City Telephone Network

<http://www.mgts.ru/menu.html>

Tools for International Telephone Lookups

- AnyWho International <http://www.anywho.com/international.html>
- AOL International Directories <http://www.aol.com/netfind/international.html>
- EscapeArtist Telephone Search Engine <http://www.escapeartist.com/global/telephone.htm>
- Infobel's Telephone Directories on the Web <http://www.infobel.com/teldir/>
- Infospace International Directories <http://www.infospace.com/intl/int.html>
- International White & Yellow Pages <http://www.wayp.com/>
- Nedsite <http://www.nedsite.nl/search/people.htm#telephone>
- Phonebook of the World <http://www.phonebookoftheworld.com/>
- SBN International Yellow Pages <http://www.sbn.com/international/international.asp>

UNCLASSIFIED//~~FOR OFFICIAL USE ONLY~~

Many specialty directories also exist. The **World Telephone Numbering Guide** "provides information on the world's telephone numbering formats. This includes various website links regarding telephone numbering. Area code lists, text articles, news of phone number changes, number-finding forms are included as much as feasible."¹¹⁴ Unlike many sources, the WTNG includes information about mobile telephone systems. This is an exceptionally good and current resource not only for finding telephone numbers but also for garnering details about telephone systems, numbering schemes, and regulations around the world.



Number Format

Area Code: 3 digits (was 2-4 digits)
 Subscriber Number: 7 digits (was 5-7 digits)
 Trunk Prefix: 0
 International Prefix: 00

Area code information

- ♦ [bcir](#)
- ♦ [Iran Telecom mobile number changes](#)
- ♦ [DCCL](#)

December 2003 - March 2004 - mobile changes

Iran mobile numbers were changed in a multi-stage process from December 2003 through March 2004.

17-20 January 2004 - mobile changes

Changed mobile numbering was introduced in certain areas on 17-20 January 2004. Permissive/parallel operation of former and new numbering was in effect until 20 March 2004.

Place	Old numbers	New numbers	Comments
=====	=====	=====	=====
Amol	+98 911 121xxxx	+98 911 121xxxx	No change
Amol	+98 911 122xxxx	+98 911 122xxxx	No change
Amol	+98 911 125xxxx	+98 911 125xxxx	No change
Amol	+98 913 121xxxx	+98 911 321xxxx	
Amol	+98 913 122xxxx	+98 911 322xxxx	
Babol	+98 911 111xxxx	+98 911 111xxxx	No change
Babol	+98 911 112xxxx	+98 911 112xxxx	No change
Babol	+98 911 113xxxx	+98 911 113xxxx	No change
Babol	+98 913 11xxxxx	+98 911 31xxxxx	111xxxx-114xxxx
Bam	+98 911 344xxxx	+98 913 144xxxx	
Bam	+98 913 344xxxx	+98 913 344xxxx	No change
Bandar-e Anzali	+98 911 18xxxxx	+98 911 18xxxxx	No change; 181xxxx-183xxxx
Bandar-e Anzali	+98 913 181xxxx	+98 911 381xxxx	

World Telephone Numbering Guide

<http://www.wtng.info/index.html>

ACR's International Calling Codes website provides country and city codes and adds the ability to list codes numerically. **International City Codes** also offers an excellent database of city calling codes. My favorite Internet telephone database is **Americom's International Decoder**, which permits you to look up either calling codes from city names or find out which city anywhere in the world matches a specific dialing code. Not only does Americom tell you the country and city codes,

¹¹⁴ WTNG Help and Information Page, <<http://www.wtng.info/wtng-hlp.html> - HowTo>.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~

but often provides other useful information, even a telecommunications assessment, in some cases.

Americom's International Decoder

<http://decoder.americom.com/>

Specialty Telephone Lookups

ACR's International Calling Codes by country

<http://www.the-acr.com/codes/cntrycd.htm>

ACR's International Calling Codes listed numerically

<http://www.the-acr.com/codes/cntryno.htm>

Americom's International Decoder

<http://decoder.americom.com/>

International Dialing Codes

<http://kropla.com/dialcode.htm>

International City Codes

<http://www.numberingplans.com/kropla/>

World Telephone Numbering Guide

<http://www.wtnq.info/index.html>

Web Tip

Email lookup tools are not the only way to search for email addresses, phone/fax numbers, and street addresses. Search engines may actually be better at finding what you're looking for because most of them index entire webpages, and whatever data is on that page, including email addresses and phone numbers, is indexed.

~~UNCLASSIFIED//FOR OFFICIAL USE ONLY~~