

Searching the Internet

By

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Searching the Internet is now as common place as driving the car and most people consider the use of just one search engine to obtain results that they are looking for. This paper is designed to open your eyes to the many excellent resources on the Internet to search for information and/or to discover new knowledge! This paper will explain to you a number of ways to search for information on the Internet and methods to continue your searches and knowledge discovery. This paper is also designed for the “newbie” to the Internet or for the person who only uses one source to search for information on the Internet.

There are basically four areas to search for information on the Internet: 1) Search Engines, 2) Indexes and Directories, 3) Intuitive Search and 4) Custom Search and Deep Web Search. This paper will give a brief explanation of each area followed by some examples that you may immediately implement! The goal here is to broaden your search horizons so you may make searching the Internet easier to perform. This paper is not designed for advanced or sophisticated searching techniques as these will be addressed in other of my papers, columns and articles.

Search Engines

Search engines on the Internet are powered by “bots” that actively go out and search for meta description and keywords in files that are placed on the Internet. When you visit the search engine and type in the keyword or phrase that you are looking for the results that are generated come from the latest searching by the search engine’s bots that are deposited in the search engine’s database. The currency of the results is purely based on when the search engine’s bots visited the site and brought back the meta information to the search engine’s database. There are literally thousands upon thousands of search engines on the Internet and I will list only a few of the larger and better known. I will also list a “list” of search engines all over the world so you can visit many of them to obtain a better understanding of search engines in general!

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A Collection Of Special Search Engines
<http://www.leidenuniv.nl/ub/biv/specials.htm>

Google™
<http://www.google.com/>

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

MSN Search
<http://search.msn.com/>

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

Search Engine Colossus: International Directory of Search Engines
<http://www.searchenginecolossus.com>

Search Engines Worldwide
<http://home.inter.net/takakuwa/search/>

SurfWax (Smart Meta Search Engine – Searches Multiple Search Engines)
<http://www.SurfWax.com/>

Vivisimo (Smart Meta Search Engine – Searches Multiple Search Engines)
<http://vivisimo.com/>

Yahoo!
<http://search.yahoo.com/>



Figure 1 Google Search Engine

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Indexes and Directories

Most individuals are accustomed to looking for information from directories and indices. This has started with the “telephone” book and then to other similar sources of directory information. The Internet also has a number of directory resources that allow you to search in a more convenient and simple format to find the information that you are looking for by going from menu to menu to menu until you find the subject and/or topic that you are looking for. Many of these are called subject trees, subject directories and are available freely over the Internet. There are literally tens of thousands of directories and subject trees on the Internet and as with Search Engines I will list some of the larger and more popular directories as well as a listing of a Directory of Directories on the Internet.

BUBL Link by Subject

<http://bubl.ac.uk/link/subjects/>

Directory Resources

<http://www.DirectoryResources.info/>

Dmoz Open Directory Project

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

INFOMINE

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

Librarians’ Index to the Internet

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

MegaSources

<http://www.ryerson.ca/~dtudor/megasources.htm>

PINAKES – Subject LaunchPad

<http://www.hw.ac.uk/libWWW/irn/pinakes/pinakes.html>

Resource Discovery Network

<http://rdn.ac.uk/>

Web Based Resources

<http://ejw.i8.com/>

Yahoo!

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

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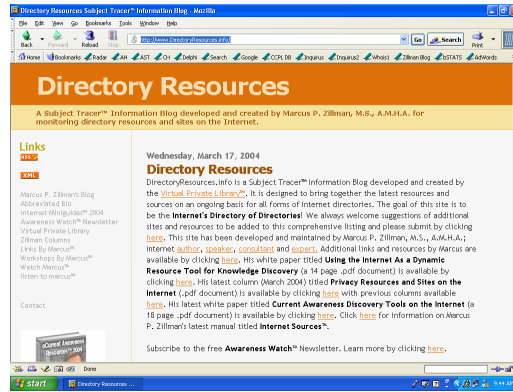


Figure 2 Directory Resources Listing

Intuitive Searching

Intuitive searching on the Internet is a fun way to look for information that could be available. By entering a name ... any name into the search engine it will return potentially relevant results. This is also an excellent way to check out an individual by typing in their complete name and observing the results brought back by the search engine. Sometimes this could be very interesting. As an example with Google™ you may search for results from the Web, results from Images, results from Groups, results from Directories and results from News. All these results are available from the labeled tabs at the top of each of Google's pages. Also you may take the intuitive name and add one of the basic seven domain name suffixes to it to obtain potentially relevant results:

IntuitiveName.biz
 IntuitiveName.com
 IntuitiveName.info
 IntuitiveName.net
 IntuitiveName.org
 IntuitiveName.us
 IntuitiveName.ws

Replace the IntuitiveName with the name that you are searching for i.e. Research or ResearchResources, etc. and add one of the suffixes above and then enter it in the URL line of your browser to see if that site exists today on the Internet. Also remember that if you have more than one word that all the words must run together to become a potential domain name (Research.com, ResearchResources.info, etc.). This could be a very interesting and valuable resource to finding information on the Internet and must be done periodically as new domain names are being created daily! If you do not find anything today it could very well be created tomorrow!!

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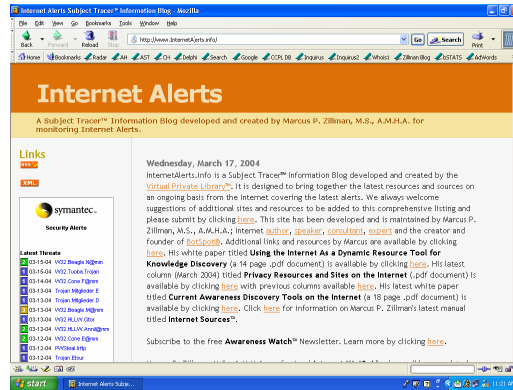


Figure 3 Internet Alerts - InternetAlerts.info Intuitive Name Site

Custom Search and Deep Web Research

Searching the Internet with your own SearchBot or developing a resource list of areas of deep web search will aid you in the discovery of new information as well as going where no search engines have traveled or fear to go! You do not need to be a Geek, Nerd or BotMaster to travel these search areas and I will list some of the highly viewed sites and resources. As the creator of BotSpot.com in 1996 I have used and visited literally hundreds of these resources on an ongoing and continuing basis or I have created these resources to aid the Internet community in discovering information and knowledge in the deep and invisible web. Here are a few of these resources:

Bot Research

<http://www.BotReseach.info/>

Bright Planet™

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

Deep Web Research

<http://www.DeepWebResearch.info/>

Direct Search (Databases)

<http://www.freepint.com/gary/direct.htm>

Finding Information on the Internet – Internet Tutorials

<http://www.academicinfo.net/reffind.html>

Invisible-Web

<http://www.invisible-web.net/>

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Knowledge Discovery
<http://www.KnowledgeDiscovery.info/>

Mining The Invisible Web
<http://www.MiningTheInvisibleWeb.com/>

ProFusion (Search Engine)
<http://www.profusion.com/>

Tool Kit for the Expert Web Searcher
<http://www.lita.org/committe/topotech/toolkit.htm>

I have written a number of white papers and articles on deep web research and knowledge discovery and they are freely available over the Internet at the following sites:

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery
<http://snipurl.com/57ji>

Current Awareness Discovery Tools on the Internet
<http://snipurl.com/57jl>

Deep Web Research Article - LLRX
<http://snipurl.com/57jm>



Figure 4 Deep Web Research Resource

I have also created a number of Subject Tracer™ Information Blogs that are freely available to the Internet community. These Subject Tracers allow you to search using the directory/index style as I mentioned in Indexes and Directories on page three. The following is a current list of the Subject Tracer™ Information Blogs along with their URL address:

Searching the Internet by Marcus P. Zillman, M.S., A.M.H.A.S.
<http://www.SearchingTheInternet.info/>
zillman@VirtualPrivateLibrary.com



Virtual Private Library™
<http://www.VirtualPrivateLibrary.com/>

Agriculture Resources
<http://www.AgricultureResources.info/>

Artificial Intelligence Resources
<http://www.AIResources.info/>

Astronomy Resources
<http://www.AstronomyResources.info/>

Auction Resources
<http://www.AuctionResources.info/>

Biological Informatics
<http://www.BiologicalInformatics.info/>

Bot Research
<http://www.BotResearch.info/>

Business Intelligence Resources
<http://www.BIResources.info/>

ChatterBots
<http://www.ChatterBots.info/>

Data Mining Resources
<http://www.DataMiningResources.info/>

Deep Web Research
<http://www.DeepWebResearch.info/>

Directory Resources
<http://www.DirectoryResources.info/>

eCommerce Resources
<http://eCommerceResources.info/>

Employment Resources
<http://www.EmploymentResources.info/>

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Financial Sources

<http://www.FinancialSources.info/>

Finding People

<http://www.FindingPeople.info/>

Games Resources

<http://www.GamesResources.info/>

Genealogy Resources

<http://www.GenalogyResources.info/>

Healthcare Resources

<http://www.HealthcareResources.info/>

Information Futures Markets

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

Information Quality Resources

<http://www.InformationQualityResources.info/>

Internet Alerts

<http://www.InternetAlerts.info/>

Internet Demographics

<http://www.InternetDemographics.info/>

Internet Experts

<http://www.InternetExperts.info/>

Internet Hoaxes

<http://www.InternetHoaxes.info/>

Knowledge Discovery

<http://www.KnowledgeDiscovery.info/>

Outsourcing/Offshoring Information and Resources

<http://www.OutsourcingOffshore.us/>

Privacy Resources

<http://www.PrivacyResources.info/>

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Reference Resources

<http://www.ReferenceResources.info/>

Research Resources

<http://www.ResearchResources.info/>

RestStress™

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

ShoppingBots

<http://www.ShoppingBots.info/>

Statistics Resources

<http://www.StatisticsResources.info/>

Student Research

<http://www.StudentResearch.info/>

Theology Resources

<http://www.TheologyResources.info/>

Unique Genes

<http://www.UniqueGenes.us/>



Figure 5 Virtual Private Library Subject Tracers

Author Information: Marcus P. Zillman, M.S., A.M.H.A. is an international Internet author, consultant, speaker and expert in the area of information retrieval, knowledge discovery, knowledge harvesting, artificial intelligence and bots/intelligent agents. He has created numerous world wide web sites including Subject Tracer™ Information Portals

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and Blogs, written a number of internet miniguides and books, hosted over 160 weekly Internet television shows, written a weekly and monthly column on Current Awareness on the Internet and delivers keynote presentations throughout the international marketplace. He also actively delivers one and two day workshops for key industry sectors displaying how the Internet can be used as a tool to maintain current awareness and professional competencies.

Additional websites by Marcus P. Zillman, M.S., A.M.H.A.:

Marcus P. Zillman's Blog

<http://www.zillman.us/>

Marcus P. Zillman Abbreviated Bio

<http://marcuszillman.blogspot.com/>

Internet MiniGuides™ 2004-05

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

Awareness Watch™ Newsletter

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

Marcus P. Zillman's Columns

<http://www.ZillmanColumns.com>

eCurrent Awareness Resources™ 2004-05 Business Intelligence Report

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

Internet Sources™ Manual

<http://www.InternetSources.info/>

Links By Marcus™

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

Workshops By Marcus™

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

SourceSeries Internet Research Workshops

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

Watch Marcus™

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Research White Papers, Articles, Lectures and Speeches by Marcus P. Zillman, M.S., A.M.H.A.:

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<http://snipurl.com/57jl>

Deep Web Research Article - LLRX

<http://snipurl.com/57jm>

Searching the Internet

<http://snipurl.com/57jn>

Information Detective – Online Streaming Tutorial Videos

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

Lectures and Speeches by Marcus P. Zillman, M.S., A.M.H.A.

<http://snipurl.com/57jp>

Marcus P. Zillman's latest 378 page book **Internet Resources™** is now available online for immediate download at only \$39.95. This book makes a great reference resource for the “newbie” to the Internet as well as the seasoned veteran “Internaut”. Visit the following site for additional information and ordering fulfillment:

Internet Sources™ Book

<http://www.InternetSources.info>



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