

Searching the Internet – A Primer

By

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The August 2015 Zillman Column features **Searching the Internet – A Primer** features the latest World Wide Web resources and sources for searching the Internet and discovering new knowledge and understanding the latest happenings with regards to the New Economy and the Internet of Things (IOT). Understanding the basics as well as some advanced searching and discovery techniques allows one to stay on top of their field of interest and to keep up with the rapidly changing world of transparency, big data and the ability to access data from new and now accessible databases. These resources are constantly updated by my Subject Tracer™ Information Bots and the latest resources for the new economy are available from the following URL:

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

Understanding the required search analytics, resources and alerts will give you the necessary tools to maintain your current position, improve your position and or discover the new knowledge required to be the leader in your profession. These resources and sources will guide you through the many pathways available on the Internet to find the latest search and discovery sources and sites.

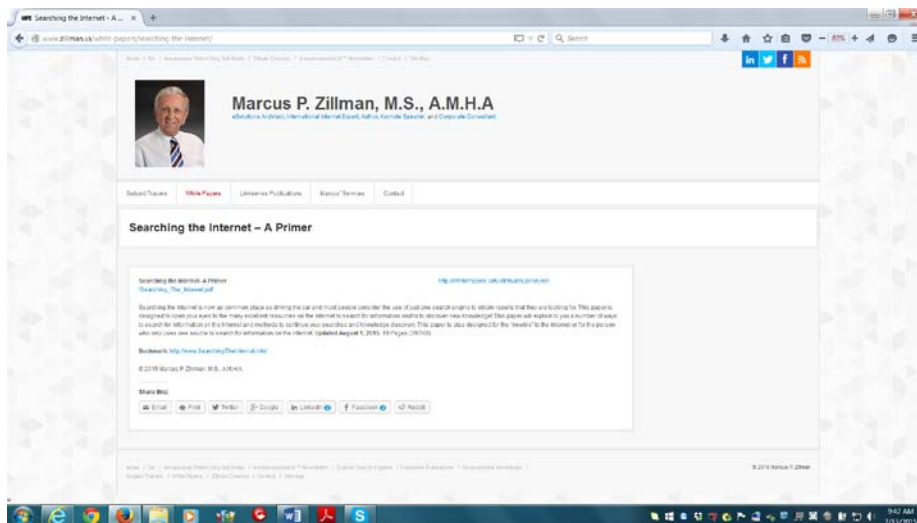


Figure 1: Searching the Internet – A Primer by Marcus P. Zillman, M.S., A.M.H.A.

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August 2015 Column – Searching the Internet – A Primer

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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!

ASK Search Engine

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

Bing

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

eHealthcareBot.com – Healthcare Meta Search Engine

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

Google

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

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HotBot

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

Search Engine Colossus: International Directory of Search Engines

<http://www.searchenginecolossus.com>

SurfWax (Smart Meta Search Engine – Searches Multiple Search Engines)

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

Yahoo!

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

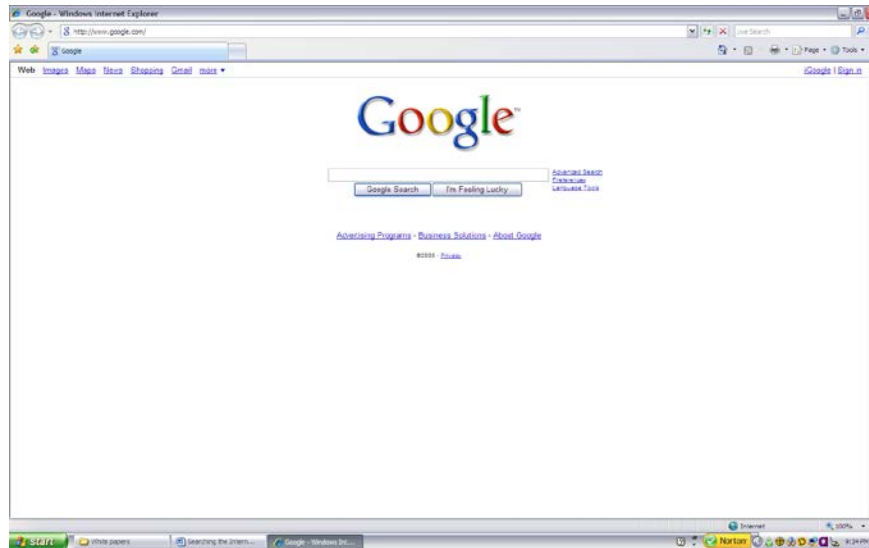


Figure 2: Google™ Search Engine

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

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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.

Directory Resources

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

Dmoz Open Directory Project

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

INFOMINE

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

Internet Guidebooks

<http://www.cln.org/guidebooks.html>

Intute [Closed in 2011; Archives Available]

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

Librarians' Index to the Internet

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

MegaSources

<http://pages.pathcom.com/~dtudor/megasources.htm>

PINAKES – Subject LaunchPad

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

Web Based Resources

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

Yahoo!

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



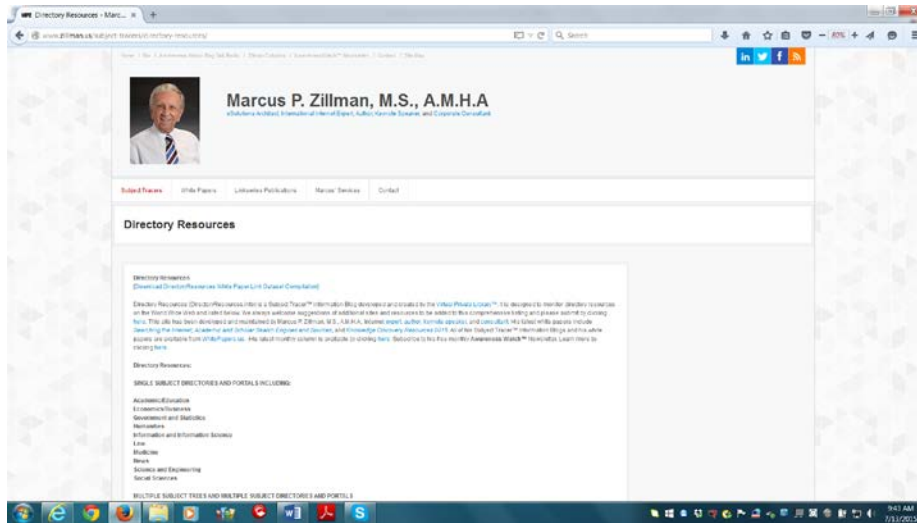


Figure 3: DirectoryResources.info Subject Tracer™

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



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IntuitiveName.us

IntuitiveName.ws

Replace the Intuitive Name 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!! Also I just listed the original suffixes with many many more available!!

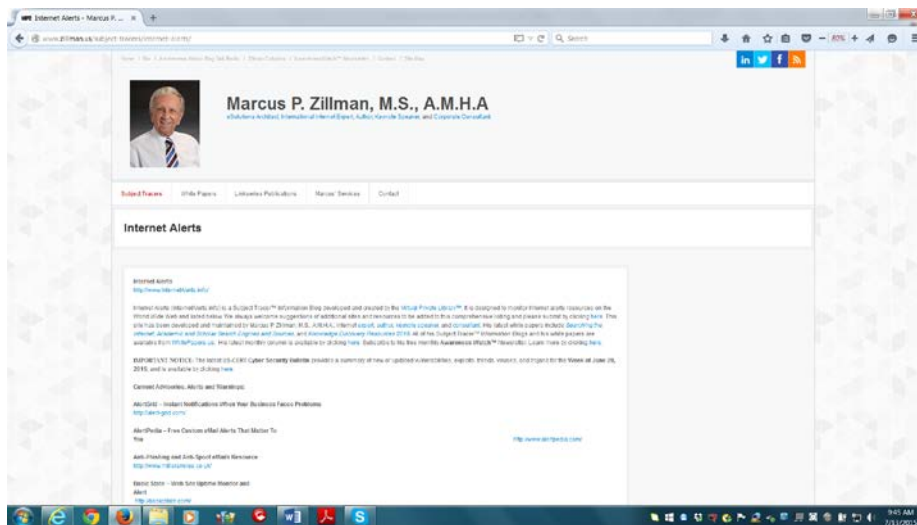


Figure 4: Internet Alerts – InternetAlerts.info Intuitive Name Site

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

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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.botresearch.info/>

Bright Planet

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

Deep Web Research and Discovery Resources

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

Finding Information on the Internet – Internet Tutorials

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

Finding What You Need With the Best Search Engines

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

Knowledge Discovery

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

Research Beyond Google – 119 Authoritative, Invisible, and Comprehensive Resources

<http://oedb.org/ilibrarian/research-beyond-google/>

Tool Kit for the Expert Web Searcher [Last updated 2006, minimally maintained since 2009]

[http://wikis.ala.org/lita/index.php/Tool Kit for the Expert Web Searcher](http://wikis.ala.org/lita/index.php/Tool_Kit_for_the_Expert_Web_Searcher)

Top Ten Internet Search Tips by Melissa Barker

<http://www.melissabarker.com/SearchTips.pdf>

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:

White Papers By Marcus P. Zillman, M.S., A.M.H.A.

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

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Using the Internet As a Dynamic Resource Tool for Knowledge Discovery

<http://www.zillman.us/white-papers/using-the-internet-as-a-dynamic-resource-tool-for-knowledge-discovery/>

Current Awareness Discovery Tools on the Internet

<http://www.zillman.us/white-papers/current-awareness-discovery-tools-on-the-internet/>

Academic and Scholar Search Engines and Sources

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

Knowledge Discovery Resources 2015

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

Deep Web Research and Discovery Resources 2015 Article - LLRX and White Paper

<http://zillman.blogspot.com/2015/01/llrx-deep-web-research-and-discovery.html>

<http://DeepWeb.us/>



Figure 1: Deep Web Research Research and Discovery Resources 2015 – <http://DeepWeb.us/>

I have also created 54 **Subject Tracer™ Information Sources** 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:

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

Accessibility Resources
<http://www.AccessibilityResources.info/>

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

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

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/>

Biotechnology Resources
<http://www.BiotechnologyResources.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/>

Education and Academic Resources

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

Elder Resources

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

Employment Resources

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

Entrepreneurial Resources

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

Fact Checkers Directory

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

Financial Sources

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

Finding People

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

Games Resources

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

Genealogy Resources

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

Grant Resources

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



Green Files

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

Grid, Distributed and Cloud Computing Resources

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

Healthcare Resources

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

Information Futures Markets

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

Information Quality Resources

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

International Trade Resources

<http://www.InternationalTradeResources.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/>

Intrapreneurial Resources

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

Journalism Resources

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

Knowledge Discovery

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



Military Resources

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

New Economy Analytics, Resources and Alerts

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

Outsourcing/Offshoring Information and Resources

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

Privacy Resources

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

Reference Resources

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

Research Resources

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

RestStress™

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

Script Resources

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

ShoppingBots

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

Social Informatics

<http://www.SocialInformatics.net/>

Statistics Resources and Big Data

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

Student Research

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

Theology Resources

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



Tutorial Resources

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

World Wide Web Reference

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

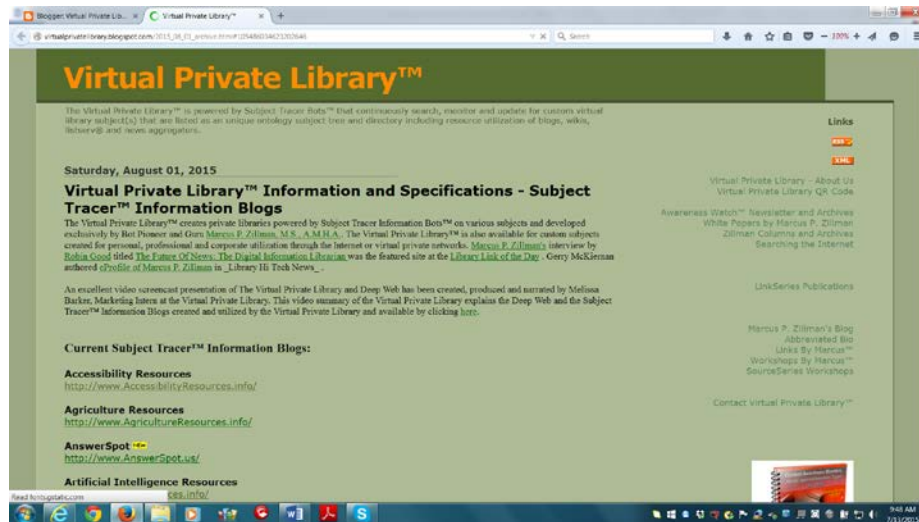


Figure 5: Virtual Private Library™

Author Information: Marcus P. Zillman, M.S., A.M.H.A. Executive Director of the Virtual Private Library is an international Internet expert, author, keynote speaker and corporate consultant 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 54 Subject Tracer™ Information Portals and Blogs; written a number of internet miniguides, white papers, manuals and books; hosted over 160 weekly Internet television shows, writes a weekly and monthly column on Current Awareness on the Internet; writes a monthly newsletter Awareness Watch 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.:



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Marcus P. Zillman's Blog
<http://www.zillman.us/>

Marcus P. Zillman Abbreviated Bio
<http://www.zillman.info/>

White Papers by Marcus P. Zillman
<http://www.WhitePapers.us/>

Awareness Watch™ Newsletter
<http://www.AwarenessWatch.com/>

Marcus P. Zillman's Columns
<http://www.ZillmanColumns.com>

LinkSeries Publications
<http://www.LinkSeries.com/>

Links By Marcus™
<http://www.LinksByMarcus.com/>

Workshops By Marcus™
<http://www.WorkshopsByMarcus.com/>

SourceSeries Internet Research Workshops
<http://www.SourceSeries.com/>

Watch Marcus™
<http://www.WatchMarcus.com/>

listen to marcus™
<http://www.ListenToMarcus.com>

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

Academic and Scholar Search Engines and Sources
<http://www.ScholarSearchEngines.com/>



Bots, Blogs and News Aggregators

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

Business Intelligence Online Resources

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

Cloud Computing Resources Primer

<http://www.zillman.us/white-papers/grid-distributed-and-cloud-computing-resources-primer/>

Current Awareness Discovery Tools on the Internet

<http://www.zillman.us/white-papers/current-awareness-discovery-tools-on-the-internet/>

Deep Web Research and Discovery Resources 2015 Article - LLRX and Online White Paper

<http://zillman.blogspot.com/2015/01/llrx-deep-web-research-and-discovery.html>

<http://DeepWeb.us/>

eMarketing MiniGuide 2015

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

eReference Library Link Toolkit

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

Finding Experts By Using the Internet

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

Finding People Resources and Sites

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

Healthcare Bots and Subject Directories

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

Knowledge Discovery Resources 2015

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

New Economy Resources 2015

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



Online Research Browsers

<http://www.zillman.us/white-papers/online-research-tools/>

Online Research Tools

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

Online Social Networking

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

Searching the Internet

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

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery

<http://www.zillman.us/white-papers/using-the-internet-as-a-dynamic-resource-tool-for-knowledge-discovery/>

Web Data Extractors

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

Web Guide for the New Economy

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

White Papers By Marcus P. Zillman, M.S., A.M.H.A.

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

Internet Tutor by Marcus P. Zillman, M.S., A.M.H.A.

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

Visit this site to learn about the availability of Marcus P. Zillman to tutor you or your associate one on one in the privacy of your residence or office on the latest happenings of the Internet including Internet basics to advanced Internet searching using bots and creating your own personal blog.

Internet Speaking by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.InternetSpeaker.net>

Visit this site to learn about Marcus P. Zillman's speaking engagements for your organization meetings and events. View and listen to his previous presentations as well as his weekly television shows.



Internet Consulting by Marcus P. Zillman, M.S., A.M.H.A.

<http://InternetConsultant.BlogSpot.com/>

Visit this site to obtain information about obtaining the consultation services of Marcus P. Zillman for your company including eCommerce audits, utilization of bots, blogs and news aggregators or the creation of your own personal virtual private library powered by Subject Tracer™ Information bots!

Current Awareness Monitors, Alerts and Information Traps

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

Marcus P. Zillman's latest report Current Awareness Monitors, Alerts and Information Traps is available for purchase online and for immediate download. This report is a comprehensive listing of the latest resources, sources and sites for current awareness on the Internet. This is a must read for anyone who must stay current in their profession and/or business activity as the list of URLs will keep you at the leading edge of your career.

Market Intelligence Resources

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

Marcus P. Zillman's just released professional Internet MiniGuide is titled Market Intelligence Resources and is available for purchase online and immediate download. This 193 page digital miniguide represents a comprehensive listing of the latest resources, sources and sites to discover the latest Market Intelligence sources available on the Internet with many of them freely available! Designed specifically for today's entrepreneur, professional and/or investor.

Entrepreneurial Links 101

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

Marcus P. Zillman's newly released 231 page eReference digital book for the up and coming entrepreneur. Entrepreneurial Links 101 gives an alphabetical listing of the very best Internet and World Wide Web sites covering Entrepreneur Resources, Business Intelligence Resources and an extremely comprehensive list of Online Research Tools. This is considered by many to be the entrepreneur's bible for finding relevant and competent online resources!

Internet Privacy and Security Resources

<http://www.InternetPrivacySecurity.net/>

Marcus P. Zillman's latest eReference digital publication is a selected comprehensive alphabetical listing of the latest resources and sites covering all aspects of privacy and security currently available over the Internet. From the board room to the family room,

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these resources and sites give you the information you need to maintain your privacy and security as you use the Internet in your business and personal life.

Research Resources Online Guide

<http://www.ResearchResourcesOnline.net/>

Marcus P. Zillman's latest [LinkSeries Publication](#) is a 235 page digital guide of a selected comprehensive alphabetical listing of the latest and greatest resources and sites covering all areas of research that is currently available over the Internet. The guide covers online research resources and tools for the Newbie to research as well as the Seasoned researcher. Contents include: a) Research Resources, b) Research Tools, c) Student Research Resources Toolkit, d) Knowledge Discovery/Management and Data Mining Resources, e) Knowledge Discovery/Retrieval and the World Wide Web Resources, and f) Subject Tracer™ Information Blogs.

The Survivor's Manual for The New Economy.

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

Marcus P. Zillman's latest LinkSeries Publication is a 239 page digital read that gives excellent resources and annotated sources for the new economy analytics, alerts, ecommerce, financial sources, invisible and deep web resources, social and business networking sources along with new economy competitive and business intelligence resources and an extremely comprehensive listing of new economy online tools.

Additional Searching Resources:

Become a Google Power Searcher

<http://googleblog.blogspot.com/2012/06/become-google-power-searcher.html>

Five Golden Rings – 5 Tips for Teachers and Librarians

<http://searchresearch1.blogspot.com/2010/12/five-golden-rings-5-tips-for-teachers.html>

Google Search Techniques

<http://www.johntedesco.net/blog/2012/06/21/how-to-solve-impossible-problems-daniel-russells-awesome-google-search-techniques/>

Help Your Students Become Better Searchers

<http://www.google.com/insidesearch/searcheducation/index.html>



How Proper Online Research Works

<http://netforbeginners.about.com/od/navigatingthenet/tp/How-to-Properly-Research-Online.htm>

How Many Words Should Be In Your Search Query?

<http://searchresearch1.blogspot.com/2010/11/how-many-words-should-be-in-your-search.html>

How To Articulate or Form a Search Query

<http://searchresearch1.blogspot.in/2011/05/on-writing-good-search-questions.html>

How To Improve Your Researching Skills and Write Accurately

http://www.writersdigest.com/whats-new/how-to-improve-your-researching-skills-and-write-accurately?et_mid=523564&rid=226010252

How To Use Google and Bing for Search [Video]

<http://www.seroundtable.com/photos/google-bing-researchers-16331.html>

Incompetent Research Skills Curb Users' Problem Solving

<http://www.nngroup.com/articles/incompetent-search-skills/>

Methods of Effective Internet Research

<http://depthome.brooklyn.cuny.edu/economics/internetresearch.htm>

Research Methods On the World Wide Web

<http://comminfo.rutgers.edu/professional-development/childlit/researchmethods.html>

Research Skills for Students

<http://www.shambles.net/pages/learning/infolit/research/>

Search Education

<http://www.google.com/insidesearch/searcheducation/>

Search Tips and Tricks

<http://www.google.com/insidesearch/tipstricks/>

Seven Steps to Effective Library Research

<http://guides.library.cornell.edu/sevensteps>



Seven Tools for Organizing Web Research

<http://www.freetech4teachers.com/2010/02/tools-for-organizing-web-research.html>

Teaching the Ten Steps to Better Web Research

<http://www.slideshare.net/sweetsearch/teaching-the-ten-steps-to-better-web-research>

Teaching Information/Research Skills in Elementary Schools

<http://langwitches.org/blog/2009/02/21/teaching-informationresearch-skills-in-elementary-school/>

Ten Steps to Better Web Research

<http://www.sweetsearch.com/TenSteps>

The Search Education Hub: Helping Students Become Savvy Searchers

<http://insidesearch.blogspot.ca/2012/05/helping-students-become-savvy-searchers.html>

Tips and Tricks for Using Appropriate Search Query Operators

<http://searchresearch1.blogspot.in/2011/08/whats-do-you-find-hard-to-search-some.html>

Virtual Training Suite – Developing Internet Research Skills

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

When To Use the + Operator – The Most Misunderstood of Them All

<http://searchresearch1.blogspot.com/2010/12/when-to-use-operator-most-misunderstood.html>

