

Using the Internet as a Dynamic Resource Tool for Knowledge Discovery

By

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The Internet continues its growth and expansion and more and more business related applications are finding their way to the World Wide Web portion of the Internet. The global concept is finally hitting home in the corporate environment and now users are realizing that it is just not a local or regional or even a national resource but a truly global resource! Understanding these facts and combining them with the latest knowledge for web resources (URLs) brings you the latest and greatest information available today!

Just exactly what types of dynamic resource tools for knowledge discovery are available on the Internet and how can they be effectively used? I will create a mini list of important resources for the professional/executive and then list some of the important (must have) World Wide Web sites that can accomplish the goals related to the resource.

Competitive Intelligence:

Competitive Intelligence is an extremely important dynamic resource tool for knowledge discovery and the below listed resources offer a number of excellent tools to effectively accomplish your goals as they pertain to competitive intelligence. Understanding the dynamics of the current awareness and happenings of your competition allows you another piece of the ongoing knowledge discovery puzzle.

Business Intelligence Center
<http://www.library.georgetown.edu/bic/>

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

Business Intelligence Site
<http://www.BusinessIntelligenceSite.com/>



Competitive Intelligence Guide

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

Competitive Intelligence Resource Index

<http://www.bidigital.com/ci/Software/>

Competitive Intelligence Resources 2006

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

Competitive Intelligence Resources for CI Professionals

<http://www.competitive-intelligence.co.uk/resources/>

Corporate Information

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

Cybertour – Competitive Intelligence Sites

<http://www.infotoday.com/it2001/cybertours/Kassel/>

Data Mining, Business and Competitive Intelligence thru Internet

<http://www.ianus.cineca.it/venus/monitor/datam/zanasi.htm>

Economic and Competitive Intelligence

<http://www.loyola.edu/dept/politics/ecintel.html#intprop>

globalEDGE™ Your Source for Global Business Knowledge

<http://www.globaledge.msu.edu/index.asp>

Google™ Business Intelligence

http://directory.google.com/Top/Reference/Knowledge_Management/Information_Assets/Business_Intelligence/

Google™ News Groups (Usenet)

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

Hoovers Online

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

PlanetFeedback

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

RocketNews

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

Society Competitive Intelligence Professionals
<http://www.scip.org/>

Text Mining, Web Mining, Information Retrieval and Extraction WWW References
http://filebox.vt.edu/users/wfan/text_mining.html



Exhibit "A" Competitive Intelligence Resource Example

Virtual Reps and ChatterBots:

Virtual Representatives and ChatterBots are just beginning to allow a new "era" in knowledge discovery with customers beginning to feel somewhat comfortable talking to a "computer". The big question will be how quickly and competently will the customer be served with the questions to their requests! The key here is also keeping the knowledge base and related content current and relevant to the customers request and being sure that all databases are updated so that all divisions and departments will be operating on the same information. This means that the virtual rep and chatterbot must always be in the new information loop and that ongoing new information must be a priority company wide both for its creation and its proper dissemination

Active Buddy

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

AgentLand – Virtual Reps and ChatterBots

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

A.L.I.C.E. AI Foundation

<http://alice.sunlitsurf.com/>



AnswerChase Search Agent and Intelligence Monitoring Software
<http://www.answerchase.com/index.html>

Artificial-Life
<http://www.artificial-life.com/>

Ask Jeeves Solutions
<http://corporate.ask.com/home.asp>

BOTizen
<http://www.botizen.com/>

BotSpot® - ChatterBots
http://www.botspot.com/BOTSPOT/Windows/Artificial_Life_Bots/Chatterbots/

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

ELIZA
<http://www-ai.ijs.si/eliza/eliza.html>

Google Directory – ChatterBots
http://directory.google.com/Top/Computers/Artificial_Intelligence/Natural_Language/Chatterbots/

KiwiLogic
http://www.kiwilogic.de/kiwilogic/_xml/fs_index.php?sprache=us

Leo – The Language Learning ChatterBot
<http://www.barc0de.demon.co.uk/leo/index.htm>

The Simon Laven Page
<http://www.simonlaven.com/>



Exhibit "B" ChatterBot Example

Search Engines, Answer Engines and Subject Trees:

Search engines, answer engines and subject trees on the Internet allow for the partial discovery of current and archival knowledge discovery information. There are literally tens of thousands of search engines and subject trees but a handful represent the best and most competent for the professional/executive:

Academic and Scholar Search Engines and Sources (Search Engines)

<http://zillman.blogspot.com/2004/12/academic-and-scholar-search-engines.html>

Academic Info (Subject Tree)

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

All the Web (Search Engine)

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

AnswerChase (Answer Engine)

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

BUBL/5:15 Catalogue of Selected Internet Resources (Subject Tree)

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

Directory Resources (Subject Trees)

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

Direct Search (Databases)

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



Dmoz Open Directory Project (Subject Tree)

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

Google™ (Search Engine)

<http://www.google.com>

INFOMINE: Scholarly Internet Resource Collections (Subject Tree)

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

InQuira (Answer Engine)

<http://www.inquiracom/>

Internet Public Library (Subject Tree)

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

Ixquick (Search Engine)

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

Librarians' Index to the Internet (Subject Tree)

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

MegaSources (Subject Tree)

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

PINAKES – Subject LaunchPad (Subject Tree)

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

ProFusion (Search Engine)

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

Resource Discovery Network (Subject Tree)

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

Search Engines Vs Answer Engines (Answer Engine)

<http://www.serverworldmagazine.com/sunserver/2001/01/engines.shtml>

Subject Guide to the Internet (Subject Tree)

http://vrl.tpl.toronto.on.ca/internet/01net_f.html

SurfWax (Search Engine)

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

Teoma (Search Engine)
<http://www.teoma.com/>

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

Yahoo (Subject Tree)
<http://www.yahoo.com/>

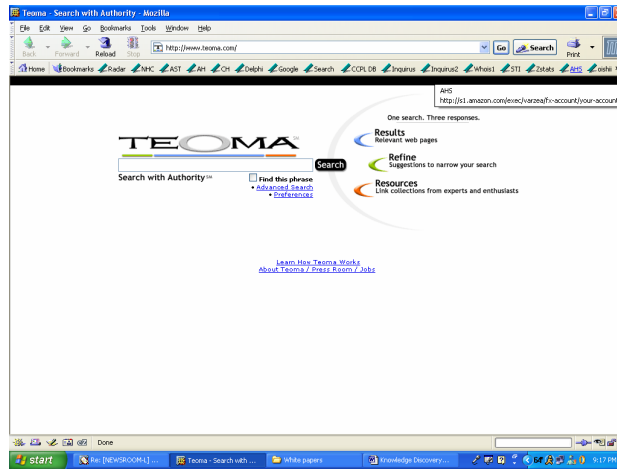


Exhibit "C" Search Engine Example



Exhibit "D" Answer Engine Example



Cased-Based Reasoning (CBR) in eCommerce:

Cased based reasoning solves new problems by using or adapting solutions that were used to solve old problems. Another excellent tool for the knowledge discovery resource utilization:

Cased Based Reasoning on the Web

<http://www.cbr-web.org/>

Cased-Based Reasoning - The ai-cbr Homepage

<http://www.ai-cbr.org/index01.html>

CBR-PEB - The Case-Based Reasoning Product Experience Base

<http://demolab.iese.fhg.de:8080/>

CBR Software Vendors, Consultants and Academic Software

<http://www.ai-cbr.org/tools.html>



Exhibit "E" Cased Based Reasoning Example

KnowledgeBases:

CyCorp

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

Knowledge-Based Collaboration Webs

<http://www.stormingmedia.us/91/9152/A915214.html>



Mindpixel Digital Mind Modeling Project
<http://www.mindpixel.com/>

OpenCyc: The Project
<http://www.opencyc.org/>
<http://sourceforge.net/projects/opencyc/>

OpenMind
<http://www.openmind.org/index.shtml>

OpenMind Commonsense
<http://commonsense.media.mit.edu/cgi-bin/search.cgi>

Primus Knowledge Solutions
<http://www.primus.com/>

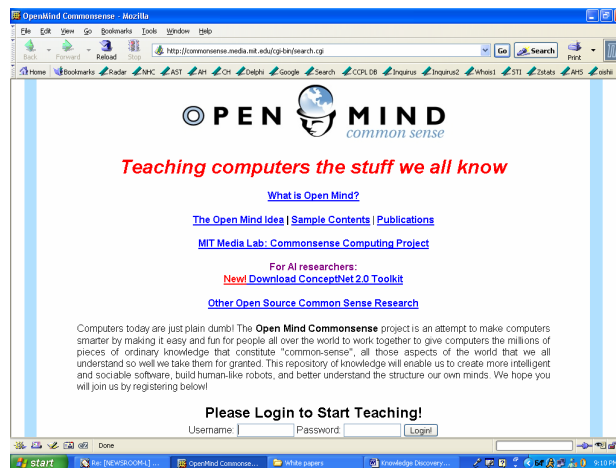


Exhibit "F" KnowledgeBases Example

Knowledge Blogs:

The ability to freely disseminate information and knowledge is rapidly changing and one of the newest methods to transfer knowledge is through the creation of Knowledge Blogs. The word "blog" is derived from weB LOG and by closely monitoring your personally selected knowledge blog you will quickly be able to stay current as well as be involved with the latest resources in knowledge discovery.

KMBlogger
<http://www.voght.com/cgi-bin/pywiki?KmBlogger>



KMForums

<http://www.voght.com/cgi-bin/pywiki?KmForums>

Knowledge Discovery

<http://www.KnowledgeDiscovery.info>

Weblogs Compendium

<http://www.lights.com/weblogs/>

Weblogs, Journals and RSS

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

Zillman Blog

<http://www.zillman.us>

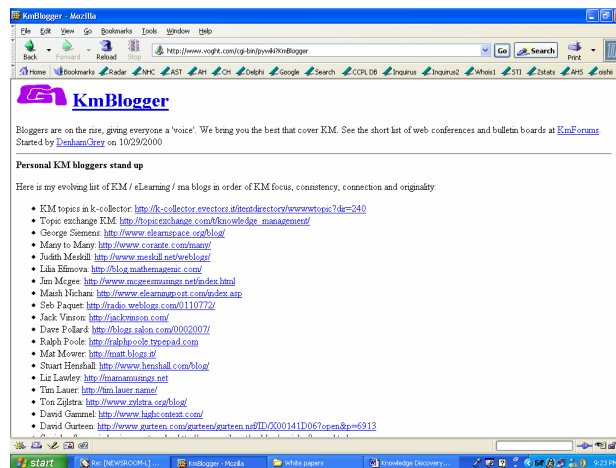


Exhibit "G" Knowledge Blog Example

Message Boards and Usenet:

Message Boards and Usenet are resources that the professional/executive can both identify and monitor to maintain currency in the latest resources and issues. These sources allow you to easily keep current:

Board Reader (Message Boards)

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

Dmoz.org Open Directory Project – Message Boards Directory (Message Boards)

http://dmoz.org/Computers/Internet/Web_Design_and_Development/Message_Boards/



Google™ Groups (Usenet News Groups)
<http://groups.google.com>

Google™ Directory of Web Based Usenet News Groups (Usenet News Groups)
http://directory.google.com/Top/Computers/Usenet/Web_Based/

MessageKing (Message Boards)
<http://www.messageking.com/>

Usenet Info Center Launch Pad (Usenet News Groups)
<http://www.ibiblio.org/usenet-i/home.html>

Yahoo Message Boards (Message Boards)
<http://messages.yahoo.com/index.html>

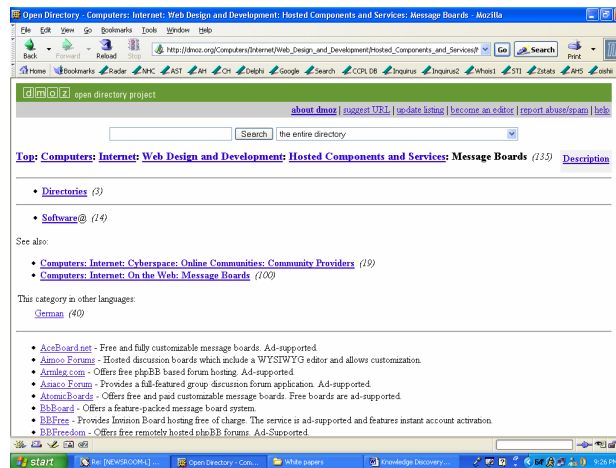


Exhibit "H" Usenet News Group Resource

Sales Management Tools:

Sales management tools allow for the proper coordination, prioritization and implementation of the information resources and goals that are created to accomplish knowledge discovery in your short term and long term strategic plans. An excellent URL is:

Dmoz.org - Open Directory - Business: Business Services: Customer Management
http://dmoz.org/Business/Business_Services/Customer_Management/

There are many excellent tools for the professional/executive to help monitor and maintain both the currency of information and resources through monitoring and



protecting their company's intellectual property on the Internet. These tools are designed for very specific applications such as the protection and monitoring of trademarks as an example.

Subject Tracer™ Information Blogs

Subject Tracer™ Information Blogs created and developed by the Virtual Private Library™ combine the best of the latest tools on the Internet. Using bots, blogs and news aggregators the Subject Tracer™ Information blogs generate RSS feeds with the latest resources to create a current information resource flow through niched subject tracers. I am proud to be the creator of the Internet's first Subject Tracer™ Information Blogs:

Virtual Private Library™

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

Accessibility Resources

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

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/>

Elder Resources

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

Employment Resources

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

Entrepreneurial Resources

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

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/>

Grid Resources

<http://www.GridResources.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/>

Military Resources

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

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.WcriptResources.info/>

ShoppingBots

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

Social Informatics

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

Statistics Resources

<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/>

I have attempted to show you what excellent resources the Internet has for the professional/executive and how these tools can make your entire work process far more productive and efficient. But it takes more than just reading about these tools you must have a true desire to make these Internet tools a part of your daily work life. You must decide to make the Internet a professional tool and use it to accomplish all your goals! These resources that I have listed above will start you on your professional path to continued knowledge discovery.

Author Information: Marcus P. Zillman, M.S., A.M.H.A. 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 46 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.:

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

Marcus P. Zillman Abbreviated Bio
<http://marcuszillman.blogspot.com/>

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

Internet MiniGuides™ 2005
<http://www.InternetMiniguide.com/>

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

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

eCurrent Awareness Resources™ 2005 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™
<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://zillman.blogspot.com/2004/12/academic-and-scholar-search-engines.html>

Bots, Blogs and News Aggregators

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

Business Intelligence Online Resources

<http://zillman.blogspot.com/2005/04/business-intelligence-online-resources.html>

Current Awareness Discovery Tools on the Internet

<http://zillman.blogspot.com/2004/09/current-awareness-discovery-tools-on.html>

Deep Web Research 2006 Article - LLRX

<http://zillman.blogspot.com/2006/01/llrx-january-2006-issue-deep-web.html>

Healthcare Bots and Subject Directories

<http://zillman.blogspot.com/2005/05/healthcare-bots-and-subject.html>

Information Detective – Online Streaming Tutorial Videos

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

Knowledge Discovery Resources 2006

<http://zillman.blogspot.com/2005/03/knowledge-discovery-resources-2006.html>

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

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

Online Research Browsers

<http://zillman.blogspot.com/2004/10/online-research-browsers-internet.html>

Online Research Tools

<http://zillman.blogspot.com/2004/09/online-research-tools.html>

Online Social Networking

<http://zillman.blogspot.com/2004/09/online-social-networking-internet.html>

Searching the Internet

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

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery

<http://zillman.blogspot.com/2004/09/using-internet-as-dynamic-resource.html>



Web Data Extractors

<http://zillman.blogspot.com/2004/09/web-data-extractors.html>

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!

Marcus P. Zillman's latest 378 page manual **Internet Sources™** is now available for purchase online and for immediate download. 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 online ordering fulfillment:

Internet Sources™ Manual

<http://www.InternetSources.info>

Marcus P. Zillman's latest report eCurrent Awareness Resources 2005 is now 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. Visit the following site for additional information and online ordering fulfillment:

eCurrent Awareness Resources 2005

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

