February 1999

Webworthy-More Science Sites

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Recommended Citation

Rose, Pamela M.; Paul, Sandra K.; and Simmonds, Albert (1999) "Webworthy-More Science Sites," *Against the Grain*: Vol. 11: Iss. 1, Article 38.

DOI: <https://doi.org/10.7771/2380-176X.3744>

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WEBWORTHY — More Science Sites

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Interesting, educational Websites selected both for content and uniqueness are organized by broad subject area. In some cases, the topic of interest is part of a more general Webpage, in which case specific pointers are added to guide you to the link.

Internet sites are reviewed and annotated, then revisited just prior to publication to ensure they are still active. Please

let the editor know of any sites that are not accessible. Comments and suggestions welcome to **Pamela M. Rose**, Health Sciences Library, University at Buffalo, 3435 Main St., Buffalo, NY 14214-3002 716-829-2408 <pmrose@acsu.buffalo.edu>.

Unless otherwise noted in square brackets following the description, Internet addresses were published in *Science, NetWatch* column edited by **Jocelyn Kaiser**.

Anatomy: **The Whole Brain Atlas** includes thousands of images of the normal brain as well as the diseased brain in such medical conditions as Alzheimer's and multiple sclerosis. Enjoy zooming through brain slices, watch movies that follow the course of a patient's condition, and superimpose scans from MRIs and color images of tumor activity. www.med.harvard.edu/AANLIB/home.html

Astronomy: **Extrasolar Planets Encyclopaedia**, maintained by the **Paris Observatory**, viewable in English or French, includes thorough statistics on all discovered planets orbiting other stars, as well as tutorials on how astronomers find these planets, bibliographies and reports, meetings, and links to other sites. Available at: <http://www.usr.obspm.fr/planets/> or the U.S. mirror site at: <http://cfa-www.harvard.edu/planets/>

International Supernovae Network. Run by amateur supernova sleuths, the site chronicles the statistics of all discoveries, including galaxy photos and biographies of the top amateur hunters. Other links include a library with extensive bibliographies, software, and galaxy charts so you can begin searching! <http://www.supernovae.org/isn.htm>

SETI (Search for Extraterrestrial Intelligence) at Home. Sign up to participate in a scientific experiment that will harness the power of hundreds of thousands of Internet-connected computers. Individuals can participate by running a screensaver program that downloads and analyzes radio telescope data. Scheduled to start in April 1999, sign up to be notified when the software is available for downloading. <http://setiathome.ssl.berkeley.edu/>

Awards: The **Nobel Foundation** official Website, where you can browse a database of prize winners as well as a comparative listing of the awards value since 1901, reports from the awards ceremony, and historical information on the prizes. Also linked is **The Electronic Nobel Museum Project**, which [aims] to build a virtual Nobel museum of science and culture on Internet presenting popular, educational, and scientific documents describing work recognized by the Nobel Prizes. <http://www.nobel.se/>

Cancer: **Cornell University Program on Breast Cancer and Environmental Risk Factors in New York State....** a resource that provides science-based information on the relationship between breast cancer and environmental risk factors, including pesticides and dietary factors. ... materials are developed for a diverse audience, including consumers, educators, public policy makers, scientists, media representatives. The site includes a database, fact sheets, maps showing breast cancer incidence and mortality as well as other statistics, lists of related conferences and workshops, and links to online journals and other Websites. <http://www.cfe.cornell.edu/bcerf/>

Drugs: **DIDX Adverse Drug Interaction Database.** DIDX acknowledges the FDA as a source of much of the information on this free searchable database. It includes a general public basic search engine, as well as an advanced search feature for physicians (note the physicians site requires authentication and notes that, for now, it is free). Users can select drug/drug, drug/food, drug information, or duplicate therapy alerts. [from *Medicine on the Net* (which shows a different url), December 1997.] http://csmctmto.interpoint.net/didx/drug_interact.html

Education: **Community Learning Network (CLN)**, a site designed to help K-12 teachers integrate technology into their classrooms ... over 2205 menu pages with more than 4,100 annotated links to educational WWW sites... The themes area (<http://www.cln.org/themes/>) has subject oriented collections of links to Websites concerning topics such as AIDS, dinosaurs, media advertising, soapmaking, volcanos, youth violence, and whales. [Sorehand email discussion list message, 11/19/98, re: human body Websites.] <http://www.cln.org/>

Exhibits & Museums: **Annenberg/CPB Project Exhibits Collection.** Interactive learning exhibits inspired by video series in the Annenberg/CPB multimedia collection. Exhibits include everything from Personality (what makes us who we are?), Amusement Park Physics (what are the forces behind the fun?), Volcanos, and Math in Daily Life. <http://www.learner.org/exhibits/>

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How Many Countries are There from page 74

Kazakhstan; Kenya; Kiribati; Korea, Democratic People's Republic of; Korea, Republic of; Kuwait; Kyrgyzstan; Laos; Latvia; Lebanon; Lesotho; Liberia; Libya; Liechtenstein; Lithuania; Luxembourg; *Macao; Macedonia; Madagascar; Malawi; Malaysia; Maldives; Mali; Malta; Marshall Islands; *Martinique; Mauritania; Mauritius; Mexico; Micronesia; Moldova; Monaco; Mongolia; Morocco; Mozambique;

Myanmar (was Burma); Namibia; *Nauru; Nepal; Netherlands; *Netherlands Antilles; *New Caledonia; New Zealand; Nicaragua; Niger; Nigeria; Norway; Oman; Pakistan; Palau; Panama; Papua New Guinea; Paraguay; Peru; Philippines; Poland; Portugal; *Puerto Rico; Qatar; *Reunion; Romania; Russia; Rwanda; San Marino; Sao Tome e Principe; Saudi Arabia; Senegal; Seychelles; Sierra Leone; Singapore; Slovakia; Slovenia; Solomon Islands; Somalia; South Africa; Spain; Sri Lanka;

St.Kitts and Nevis; St.Lucia; St. Vincent and the Grenadines; Sudan Suriname; Swaziland; Sweden; Switzerland; Syria; Tajikistan; Tanzania; Thailand; Togo; Tonga; Trinidad and Tobago; Tunisia; Turkey; Turkmenistan; Tuvalu; Uganda; Ukraine; United Arab Emirates; United Kingdom; United States of America; Uruguay; Uzbekistan; Vanuatu; Vatican City; Venezuela; Vietnam; *Virgin Islands; Western Samoa; Yemen; Yugoslavia; Zambia; Zimbabwe

Genetics: **Human Genome Project Information** from the U.S. Department of Energy. You'll find everything from the history and goals of the project, to a complete description of the genome, lists of terms and acronyms, links to other sites, and research in progress reports. <http://www.ornl.gov/hgmis/>

Geosciences: **Earthshots—Satellite Images of Environmental Changes.** The U.S. Geological Survey maintains this site featuring images and articles of the impact of human activity on the earth. Links are grouped under Agricultural, Desert, Disaster, Forest, Urban and Water topics, with instructions on how to navigate the site, as well as a color key to interpretation of the images. The opening page also includes links to the images and articles from dots at locations on a world map. Users can choose a slow or fast loading version (slow is better resolution), and also ask to be notified when a new version is released. <http://edcwww.cr.usgs.gov/earthshots/slow/tableofcontents>

Infectious Diseases: **Hepatitis C Cooperative Research Experiment, Sandia National Laboratories.** A noncontroversial epidemiologic project being run by U.S. and Russian experts. The hope of the creator, a physician and weapons control expert, is that it could serve as a model for monitoring compliance with the Biological and Toxin Weapons Convention. The Hepatitis site offers Real Video continuing education movies, links to resources, and the text of surveys and questionnaires used in data gathering in both English and Russian. http://www.cmc.sandia.gov/HEP_C/

Internet WebTeacher is an online manual on how to use the Internet. Sponsored by the National Cable Television Association, Web Teacher includes chapters on subjects ranging from newsgroups and Telnet to Java and CGI scripts. [UB Libraries Distribution List <UBLIB-L@LISTSERV.ACSU.BUFFALO.EDU>, 11/12/98] <http://www.web-teacher.org/winnet/indextc.html>

Medicine: **The Diabetes Monitor from the Midwest Diabetes Care Center.** Lots of links to huge and humble homepages, as well as online resources and basic information for families and patients. An enormous number of links grouped by topic to a wide range of topics related to care of this increasingly prevalent disease. Includes a search tool. [from *Medicine on the Net*, November 1997] <http://www.mdcc.com/>

Ear, Nose & Throat *On-Line* Consultant. Maintained by Dr. Murray Grossan in English and Spanish, provides easy access by major topic: Nose & Sinus, Ear, Throat, and Miscellaneous. Covers everything from AIDS ear, nose and throat problems to Tinnitus and TMJ, including preventative measures for headaches. The New section includes an article on sinus irrigation as a cold prevention (which your editor can vouch for!). [from *Medicine on the Net*, November 1997] <http://www.ent-consult.com/>

Microscopy: **The Center for In Vivo Microscopy** from the National Institutes of Health. The Center is dedicated to the development and application of the technology of magnetic resonance microscopy to basic and applied science. Includes a great image gallery where you can watch lungs actually working, plug into conferences and projects, and get a complete description of magnetic resonance microscopy. <http://www.civm.mc.duke.edu/>

Molecular Biology: **Online Macromolecular Museum**, a site for displaying images of biomolecules. Warning: this page may require plug-ins to view properly, and may cause a General Protection Fault on your computer, causing Netscape to shut down. But, if you can handle it, it's a lovely trip. www.kenyon.edu/depts/bmb/chime/gallery.htm

Nursing: **Caregiver Network, Inc.** Established by a Canadian who had to care for her own father, offers a wealth of resources intended to ease the task of caregiving up front. You can download the *Aging and Caregiver Resource Guide* which lists federal, provincial and local agencies and services in Canada, and access personal narratives, ask questions, tap into the latest news on caregiving, and find helpful products and services. [from *Medicine on the Net*, November 1997] <http://www.caregiver.on.ca/>

Oceanography: **Jurassic Reef Park**, maintained by Reinhold Leinfelder and viewable in English or German. An image-packed site where you can explore the creation of ancient and modern reefs, as well as read what they indicate about global climate change. <http://www.palaeontologie.geo.uni-muenchen.de/edu/JRP/>

Pain: **Fibromyalgia and Chronic Myofascial Pain Syndrome** site; includes separate information areas for patients and physicians, with diagnostic tools, descriptions, and links to books and tapes on the subject, as well as a structured navigation site map, with the ability to download the entire site as a ZIP file. [Sorehand email discussion list message, 9/30/98] <http://www.sover.net/%7Edevstar/index.html>

Physical Proof of Chronic Pain, ABC News site feature from April 1998. A discussion of fibromyalgia, its symptoms, possible mechanism, and case histories. <http://www.abcnews.com/sections/living/> also has many other health topics findable using the search feature, which presents a ranked list. <http://www.abcnews.com/sections/living/DailyNews/fibromyalgia980408.html>

Physics: **Online Particle Physics Information from the Stanford Linear Accelerator Center Particle Data Group.** Includes an extensive collection of directories to people, libraries, publishers, scholarly societies, and research institutions in the field. Links to online journals, e-prints/pre-prints, data, conferences, experiments, education, and software. As noted in the scope of the site, most listings do not provide descriptions of a resource's scope and content, making it difficult for searchers to know which source to use for a specific information need. Redundancy in some databases is deliberate for different users needs. Leptons and quarks ... all you need to know! <http://www.slac.stanford.edu/library/pdg/>

String theory for the layperson! Caltech offers an Official String Theory Website, with an RealAudio physics colloquium explaining the theory, as well as links explaining the basics, a cast of characters—who studies string theory anyway?, an explanation of black holes, and more. <http://superstringtheory.com/index.html>

Reference: Peer reviewed media reviews posted in the online *Molecular Biology of the Cell* journal. Click on issues from July 1998 forward, then choose the Essay or Video Essay link. <http://www.molbiolcell.org/contents-by-date.0.shtml>

Repetitive Strain Injury (RSI): **CTD Resource Network**, A California nonprofit corporation providing information and assistance to the RSI community. Includes a newsletter, archives and information on RSI, including various forms of RSI (e.g. carpal tunnel syndrome), links to useful products and services to assist sufferers, and a typing injury FAQ. [rsinet@lists.best.com email message, 9/29/98, re: RSI Network newsletter, issue 31] <http://www.tifaq.com/ctdrn/index.html>

Robotics: **The Cog Shop at MIT Artificial Intelligence Laboratory.** See the humanoid robot (Cog) in action on video clips showing head/eye movement, reaching, reflex withdrawal, and more. Other links include publications, research, and a history of the Cog project. Cogs builders hope his intelligence may she dlight on our own. <http://www.ai.mit.edu/projects/cog/>