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Networks, On-line Resources and Selected Institutions

Networks

The variety of information available electronically on gender issues, and specifically on science and technology, is increasing at a phenomenal rate. International, national and regional associations aiming at facilitating global networking among women in the fields of mathematics, engineering, physics, chemistry, bioethics, computer sciences, information technology, medicine and veterinary medicine among other fields of study are numerous. There are special sites particularly tailored to young girls to provide role modelling, mentoring and discussion groups for the future generations. These sites have the goal to spur girls' interest in science and technology and encourage their active involvement.



Women'sNet

Women'sNet

Women sNet is a vibrant and innovative networking support programme designed to enable South African women to use the Internet to find the people, issues, resources and tools needed for women s social action.

NEW COMMUNICATION TECHNOLOGIES

Women sNet is particularly interested in supporting South African women s access to new communication technologies. This page collects resources and information on this topic, with a particular focus on South Africa, Africa, and developing countries.

Articles ♦ Organizations ♦ Bibliographies & Book Reviews ♦ Directories & Databases ♦ Gender & Information Technology Discussion Lists
♦ Telecommunication Policy & Infrastructure

Website: <http://www.womensnet.org.za>



Tomorrow's Girl isn't any one girl, or any certain type of girl . . . **Tomorrow's Girl** isn't about the way to dress, or what friends to choose, or what things to say to be cool, or what TV shows to watch . . . **Tomorrow's Girl** is about the wonderful ideas, creativity, and fun and laughter within every girl . . . young and old. **Tomorrow's Girl** is about being proud of the things you've done, about being smart and happy with it, about liking school and school activities, and about using technology to communicate your ideas to other young girls.

Website: <http://www.tomorrow-s-girl.com>

On-line Resources

Among the most common on-line resources are focus groups and chat rooms offering subscribers the possibility to tap into global exchanges with experts, share insightful discussions on common interest as well as topics of concern for women covering a wide range of themes within science and technology. Some topics include contemporary reproductive technologies, women and the new global information and communications technology, what constitutes women-specific training on computer sciences, women in evolutionary biology, women in neuroscience, women in physics, mathematics, and engineering, women as web developers, and women ecologists. A number of sites offer mentorship to young professionals.



WEPAN is a non-profit educational organisation founded in 1990. WEPAN has a membership of 500 and is led by a 21-person board of directors from academia and industry. Over three million dollars has been raised in support of WEPAN's mission.

Mission: The mission of WEPAN is to be a catalyst for change that enhances the success of women in the engineering professions.

Values: Collegiality/Teamwork • Professionalism • Diversity • Respect • Entrepreneurship • Volunteerism • Integrity

Vision: By the year, WEPAN will be the recognised leader in effecting systemic change to achieve gender equity in engineering education and employment.

Send mail to WEPAN at wiep@ecn.purdue.edu
<http://www.engr.washington.edu/~wepan/>

Also included within on-line resources are sites dedicated to celebrating the history of women in science. These present biographies of women who had a highlighting role in science and technology. They contain numerous articles, comprehensive lists of bibliography, literature reviews, and research information outlining who is doing what and where. Some exciting sites also include job searches, useful tips, they advertise conferences, and display selected reports from international organisations.

4000 Years of Women in Science



- ◆ BIOGRAPHIES: Women who have shaped the world of Science
- ◆ PHOTOGRAPHS: Gallery of pictures
- ◆ REFERENCES: Extensive lists of references

The Hymn to Ishtar Tablet, Nippur C. 1750 B. C. E." from the University of Pennsylvania Museum, Philadelphia (Neg. #58-80401)

<http://crux.astr.ua.edu/4000WS/4000WS.html>

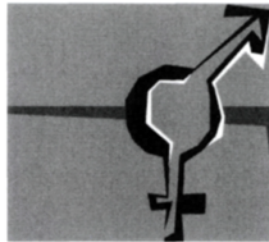
Selected institutes, centres of study and international organisations

Universities internationally are becoming very active in the scholarship of gender, science and technology. They provide governments a rich resource of scholarly research and recommendations to underpin policy reform. Governments should intentionally reach out to universities and seek their partnership and collaboration.

Feminist UNIVERSITY Network

WOMEN'S CENTRES AND WOMEN'S STUDIES RESOURCES & PROGRAMS

<http://www.feminist.org/campus/funstud.html>



Visit the Commonwealth

The Commonwealth's vision and mandate is to work towards a world where women and men have equal rights and opportunities in all stages of their lives.

You will find information on the Commonwealth's core activities defined by the 1995 Commonwealth Plan of Action on Gender and Development.

These activities include:

- ◆ Gender mainstreaming;
- ◆ Economic empowerment through gender aware budgets;
- ◆ Democracy and women's participation in decision-making;
- ◆ Respect for human rights; and
- ◆ Women's potential role in peace building and conflict resolution.

<http://www.thecommonwealth.org/gender>

United Nations agencies also have focal points dedicated to Gender, Science and Technology. UNIFEM, the UN Voluntary Fund for Women, co-ordinates an interagency committee that meets on a regular basis to exchange ideas and best practices on gender, science and technology.

The 1995 report of the UNCSTD was the product of a gender working group which included a review of the performance of United Nations agencies in the domain of gender, science and technology. The report provided a set of recommendations to ensure an adequate gender analysis and assessment into the design of science and technology policies, programmes and projects. The set of recommendations outlined in the report include the need for UN agencies to ensure that gender, science and technology is formally incorporated into policy; the need for UN agencies to actively recruit professional women into high-level posts with strategic importance for science and technology and explicitly generate programmes for their retention and re-entry; the need for the UN to give full support interagency networking on gender, science and technology; and finally the need to recognise the value of collaborating with NGOs.

Governments should seek to benefit from the wealth of knowledge and work undertaken by UN agencies through their experts.



Gender Advisory Board
UN Commission on Science and Technology
for Development
(UNCSTD)

The Gender Advisory Board was established in 1995 to provide advice to UNCSTD. The board consists of six international gender experts, appointed by the Secretary General.

Seven key transformative actions emerged from the expert advisory reports commissioned by the Gender Working Group. These are:

1. Gender equity in science and technology education
2. Removing obstacles to women in scientific and technological careers
3. Making science responsive to the needs of society: the gender dimension
4. Making the science and technology decision-making process more 'gender aware'
5. Relating better with 'local knowledge systems'
6. Addressing ethical issues in science and technology: the gender dimension
7. Improving the collection of sex-disaggregated data for policy makers

Excellent site to visit: <http://gab.wigsat.org/uncstd.htm>

Aboriginal women's sites

Status of Women
Canada

Condition féminine
Canada



Resources for Indigenous Women around the World

Website: <http://www.nativeweb.org/resources/women>

Federal Governments and National Women's Machineries

Several Commonwealth governments have developed websites sponsored by their NWM, which contain Gender-based Analysis, guidelines and numerous other gender analysis tools that can be widely shared by other governments.

Gender-based Analysis [GBA]

Français	Contact Us	Search	Home	SWC Site
GBA	What's New	Events	Resources	Links

GBA Gender-based Analysis

Gender-based analysis is a tool for understanding social processes and for responding with informed, effective and equitable options for policies, programs and legislation that address the needs of all Canadians.

When gender is explicitly considered as a category of analysis, information on the actual realities of women and men, girls and boys, is presented so that similarities and differences can be examined. In addition, information on the nature of relationships in the family, society and the economy is revealed.

Using gender-based analysis means taking into account this information in exploring how policy options could impact on individual women and men, and on societal structures. This contributes to an enhanced knowledge base for decision-makers.

Canada <http://www.swc-cfc.gc.ca/gba-accs/english/about.html>

List of Websites

CATEGORY	CHARACTERISTICS	WEBSITE
I. SELECTED SCIENCE AND TECHNOLOGY NETWORKS		
Asia-Pacific Economic Co-operation (APEC) Women Senior Leaders' Network	Proposes mechanisms for integrating gender as a crosscutting concern in APEC	http://www.apecsec.org.sg
Association for Women in Science	Dedicated to achieving equity and full participation for women in science, mathematics, engineering and technology	Tel: 202-326-8940 http://www.awis.org
ENERGIA	International network on Women and Sustainable Energy	Contact: Sheila Oparaocha Tel: 31-(0)33-432-6044 Fax: 31-(0)33-494-0791 http://www.energia.org
FAB (Feminist Approaches to Bioethics)	Aims to develop a more inclusive theory of bioethics encompassing the standpoints and experiences of women	http://www.uncc.edu/fab/text.html
Gender and Science and Technology Association (GASAT)	International association concerned with issues arising from interactions between gender and science and technology	Contact Jayshree Mehta Tel: 91-79-412422 Fax: 91-79-663-6386 http://www.gac.edu/~simpson/gasat/homepage.html
International Federation of Inventors' Associations – Women Inventors Network (IFIA-WIN)	Aims to develop co-operation among women inventor associations and encourage the participation of women and girls in the fields of science and technology	Contact: IFIA Secretariat Fax: 41-22-789-3076 http://www.invention-ifia.ch/ifiawin.htm#top
WIGSAT – Women in Global Science and Technology Network	Designed to increase international networking among women scientists and technologists, especially help promote information-sharing with and among women from developing countries	Contact: Sophia Huyer Tel: 1-905-349-9962 Fax: 1-905-349-2066 http://www.wigsat.org/index.html
WITI: Women in Technology International	Offers news, articles, career info, calendar of events, job announcements, profiles of accomplished women in IT	http://www.witi.org/center http://www.witi.com
WomenAction	Global information, communication and media network that enables NGOs to actively engage in the Beijing+5 review process	http://www.womenaction.org
WomensNet, South Africa	Vibrant and innovative networking support programme designed to enable South African women to use the Internet to find the people, issues, resources and tools needed for women's social action	Tel: 27-11-838-6943/4 Fax: 27-11-492-1058 http://www.womensnet.org.za
Women in Information Technology	List of sites about and for women in the fields of library and information science, information technology, and computer science	http://www.womeninit.net/index.html
Women in Statistics	Home page of the Committee on Women in Statistics of the International Statistics Institute	http://laplace.cwru.edu/~mhr/isi/index.html

CATEGORY	CHARACTERISTICS	WEBSITE
Women Internet Researchers	Women who think and write about the Internet and its social implications	http://www.nicoladoering.net/women.html
Women's Network for the Technical and Vocational Education and Training Sector (WINVET)	Provides an electronic forum for the dissemination of current TVET information and discussion of issues, ideas and achievements in this field, and encourages women to be part of a professional forum for women in TVET	Contact: Ildi Szanto E-mail: ildi.szanto@cit.act.edu.au
Engineering and/or Mathematics		
Association for Women in Mathematics	Nonprofit organisation dedicated to encouraging women in the mathematical sciences	http://www.awm-math.org
AWSEM – Advocacy for Women in Science, Engineering, and Mathematics	Brings together parents, educators and women professionals in science-related fields to kindle and support young women's interest in science, engineering, mathematics and technology	http://www.awsem.com/index.html
Committee on Women in Science and Engineering	Affiliated with the National Academy of Sciences, this site offers extensive links	http://www4.nas.edu/osep/cwse.nsf
IEEE – Women in Engineering	Offers information about membership, job openings, workplace issues, and related links	http://www.ieee.org/organisations/committee/women
IEEE WIE – Institute for Electronical and Electronics Engineers Women in Engineering Committee	Goals include the development of mentoring and educational programs, the publications of relevant information, and special initiatives	http://www.ieee.org/organisations/committee/women
MentorNet	National mentoring network for women in engineering and science	http://www.mentornet.net
NAE/CWE	National Academy of Engineering Committee for Women in Engineering	http://www.nae.edu/nae/cwe/cwe.nsf/Homepage/NAE+Celebration+of+Women+in+Engineering?OpenDocument
NSERC	National Science and Engineer Research Council – Chair for Women in Science and Engineer	http://www.geomatics.ucalgary.ca/cwse
Society of Women Engineers	Stimulates women to achieve full potential in careers as engineers and leaders	http://www.swe.org
SWE: Society of Women Engineers	Active organisation offering a wide variety of services and support to women interested in engineering	http://www.swe.org
WEPAN: Women in Engineering Programs & Advocates Network	Variety of valuable resources related to women and engineering	http://www.wepan.org
Computer Sciences		
ACMW – Association for Computing Machinery Committee on Women in Computing	Engages in activities and projects that aim to improve the working and learning environments for women in computing	http://www.acm.org/women
Association for Women in Computing	Not-for-profit, professional organisation promoting the advancement of women in the computing professions	http://www.awc-hq.org
Committee on the Status of Women in Computing Research (CRA-W)	Includes a number of useful annotated links to sites/events/statistics of particular interest to women interested in computer science	http://www.cra.org/Activities/craw
SYSTEMS	Designed for professional women in computer science, this is a place to organise efforts to change or influence policies affecting women in computer science	Contact: Dr. Anita Borg Tel: 650-812-4496 Fax: 650-812-4969 http://www.systems.org

CATEGORY	CHARACTERISTICS	WEBSITE
Wise-Women	Network dedicated to supporting women who work as, or aspire to become, web designers, developers, and programme	http://www.wise-women.org
SELECTED NETWORKS AND ON-LINE RESOURCES FOR GIRLS		
Against the Odds	'Dedicated to cool girls excited to learn and express their interest in science, technology, and entrepreneurship'	http://nrgen.com/against_the_odds/index.html
CyberSisters	Telementoring project that pairs middle school girls one-on-one with university women to engage more girls in math, science and computer technology	http://www.cyber-sisters.org
Donna Woodka's WWW Home Page	The Internet for Girls: Connecting Girls With Math, Science and Technology. Online topics/resources include encouraging girls in math and science; teaching and parenting with the Internet; online mentors and peer groups; connecting girls around the world; the Internet for girls themselves; Internet safety and etiquette; WWW resources; an annotated equity in education and bibliography	http://www.sdsc.edu/~woodka/donna.html
Exploring Your Future in Math and Science	Designed for high school aged girls	http://www.cs.wisc.edu/~karavan/afl/home.html
Girls and Women in Science	Beloit College programme to encourage girls' interest in science	http://www.beloit.edu/~gwsci/gws.html
GirlTECH: Getting Girls Interested in Computers	Collection of resources concerned with spurring girls' interest in mathematics and computer science	http://math.rice.edu/~lanius/club/girls.html
Math, Science, and Technology Programs for Girls	Chart compiled by the American Association of University Women providing information about projects to improve girls' achievement in math, science, and technology	http://www.aauw.org/2000/models.html
SYSTEMS-STUDENTS	Student-oriented version of the SYSTEMS list (see above) for female graduate and undergraduate students in computer science	http://www-anw.cs.umass.edu/~amy/systems.html
TeleMentoring Young Women in Science, Engineering & Computing	An NSF-funded project to build on-line communities of support among female high school students, professional women in technical fields, parents, and teachers	http://www.edc.org/CCT/telementoring
Testing 1, 2, 3; Technology to Girls: Hello?	Article by Corey Hitchcock about girls' often unenthusiastic attitude toward technology. Includes related links	http://www.sfgate.com/cgi-bin/article.cgi?file=/technology/archive/1998/06/22/girls.dtl
WattWorks: Science, Math, and Technology Programs for Girls	Extensive collection of links. Part of the Tomorrow's Girl website	http://www.tomorrow's-girl.com
Women of NASA	Designed to encourage more young women to pursue careers in science, math, and technology. Includes profiles of female scientists, ideas for integrating the site's information into the curriculum and an annotated bibliography. Aimed primarily at K-12, but useful also at the college level	http://quest.arc.nasa.gov/women
WOW'EM: Women on the Web – ElectronMedia	Aimed at high school and college age women who are interested in music, art, math, science, and computers, and ways to combine these interests	http://music.dartmouth.edu/~wowem
Pathways '97: Women in Science, Mathematics and Engineering	Designed to give young women an opportunity to learn about career options in science, mathematics and engineering	http://physics.bu.edu/pathways

CATEGORY	CHARACTERISTICS	WEBSITE
II. SELECTED ON-LINE RESOURCES		
CAWMSET: Commission on the Advancement of Women and Minorities in Science, Engineering, and Technology Development	Established by the U. S. Congress in 1998 to research and recommend ways to improve the recruitment, retention, and representation of women, under-represented minorities, and persons with disabilities in science, engineering, and technology education and employment	http://www.nsf.gov/od/cawmset
Digital Divide	Highlights four major gaps in technology access and use: schools, gender, race, and the workplace	http://www.pbs.org/digitaldivide
Educational CyberPlayground (ECP)	Resources for women and minorities in science and technology	http://www.edu-cyberpg.com/Teachers/womenminoritiestech.html
Gender, Science and Technology Gateway (GSTG)	Gender Advisory Board is an advisory body to the United Nations Commission on Science and Technology for Development	http://gstgateway.wigsat.org/gw.html
GenTech	Applied research project whose mandate is to create conditions within which girls and women have maximum access to a wide range of new information	http://www.educ.sfu.ca/gentech
Wired Woman	Explores how technology affects women's lives – from our day-to-day challenges to the ways we interpret art, culture, and society	http://www.wiredwoman.com
Information Technology (IT and ICT)		
Center for Women and Information Technology	Encourages women's and girls' greater involvement with information technology	http://www.umbc.edu/cwit
FACES	International mailing list that connects women activists, artists, critics, theoreticians, technicians, journalists, researchers, programmers, networkers, web designers, and educators	To subscribe, send a short narrative biography, a web link of your work (if you have one), and your full name and email address to Vali Djordjevic at valid@sero.org http://www.rpi.edu/~huffman/faces.html
Girl Geeks: The Source for Women in Computing	Multi-media exploration designed to motivate women and girls to pursue careers in information technology	http://www.girlgeeks.com
Women in Information Technology: An Infobrief	Catalyst, a non-profit organisation, has prepared this compilation of facts and statistics, with source documentation, concerning the underrepresentation of women in the IT workforce	http://www.catalystwomen.org/press/infobriefs/infombatech.html
Women in IT: Net Resources	Network World Fusion has put together this collection of reports, articles, forums, and organisations focusing on women in information technology	http://www.nwfusion.com/netresources/women.html
Education		
Douglass Project for Rutgers Women in Math, Science, and Engineering	Extensive programme designed to encourage pre-college and college women to study math, science, and engineering	http://www-rci.rutgers.edu/~dougproj/index.html
Gender Equity in Education	Focuses primarily on gender equity in science and math and includes lessons to interest girls in these subjects	http://www.crpc.rice.edu/CRPC/GT/mborrow/GenderEquity/gendsite.html
SWIFT: Supporting Women in Information Technology	Canadian five-year research, action, and implementation project to increase the participation of women in information technology	http://taz.cs.ubc.ca/swift

CATEGORY	CHARACTERISTICS	WEBSITE
Engineering, Mathematics and/or Physics		
Celebration of Women in Engineering	Designed to call attention to the opportunities and attractions that engineering offers women, it includes information about accomplished female engineers, educational resources, scholarships, a calendar of events and extensive links to related sites	http://www.nae.edu/nae/cwe/cwe.nsf/Homepage/NAE+Celebration+of+Women+in+Engineering?OpenDocumen
CCWEST – Canadian Coalition of Women in Engineering, Science and Technology	Resources for women and girls in science and technology in Canada	http://www.cwest.org/english/ccwest.html
Committee on the Status of Women in Physics	Resources, including a speakers list of women in physics, a roster of women and minorities in physics, information about education and outreach programmes	http://www.aps.org/educ/cswp/index.html
Contributions of 20th Century Women to Physics	American Physical Society project documenting women who have made original and important contributions to physics in the 20th century	http://www.physics.ucla.edu/~cwp
Data on Women in Physics	Reports about the education and employment of women in physics and related fields	http://www.aip.org/statistics/trends/wmtrends.htm
WASET: Women into Science, Engineering, and Technology	Provides guides to resources [mostly in the UK] dealing with women's access, participation, and progress in science, engineering, and technology	http://www.shefc.ac.uk/publicat/others/wiset/guides.htm
Women and Minorities in Science and Engineering	Extensive, useful collection of links	http://www.mills.edu/ACAD_INFO/MCS/SPERTUS/Gender/wom_and_min.html
Women in Mathematics	Designed to serve the needs of women mathematicians, it offers advice for graduate students in math and the sciences, career information and related links	http://www.math.umd.edu/~wim
Women in Mathematics	Sponsored by CAMEL, the Canadian Mathematical Society, this site contains information and links of interest to women in mathematics	http://camel.math.ca/Women
Women in Math Project	Offers a valuable array of resources, including a collection of bibliographies; biographies of women mathematicians; job, grant, and scholarship opportunities for women in mathematics	http://darkwing.uoregon.edu/~wmmath
Women in Science, Engineering, and Technology	British site offering information, support, and statistics to encourage more girls and women to pursue careers in science, engineering, and technology	http://www.set4women.gov.uk/set4women
Women's Issues & Gender Differences in Science and Engineering	Links to numerous studies and resources	http://web.mit.edu/ethics/www/ecsel/abstracts/women.html
Computer Sciences		
Resources and Information for Women Planning to Major in Computer Science	Information about what computer science is, what preparation is needed to enter the field, why women are underrepresented, and what can be done to encourage more women and girls to study computer science	http://bluegrass.rs.itd.umich.edu/~
TAP: The Ada Project	Information and resources concerning women in computing	http://tap.mills.edu

CATEGORY	CHARACTERISTICS	WEBSITE
Women in Biology Internet Launch Page	Extensive, updated collection of links to sites offering information about female scientists, organisations for women in science, careers in science, and links to the bionet newsgroup women-in biology	http://pingu.salk.edu/~forsburg/bio.html
Women in Computing	Rich assortment of resources concerned with women in computing: academic and research programmes, bibliographies, articles, information about diversity, and professional organisations	http://faculty.washington.edu/marykirk
FOCUS GROUPS/CHAT ROOMS/LISTSERVES/DISCUSSION GROUPS		
Accessibility of Computer Science: A Reflection for Faculty Members	Computer Science professor Dianne P. O'Leary's insightful discussion of the chilly climate for women in computer science. Highly recommended	http://www.cs.umd.edu/~oleary/faculty
ACM's Committee on Women in Computing	Reflects ACM-W's interest in activities and projects that improve the working and learning environments for women in computing	http://www.acm.org/women
ASIA-WOMEN-IT	Forum for the discussion of issues and concerns relating to women in Asia and the new global information and communications technology	To subscribe, send the message SUBSCRIBE ASIA-WOMEN-IT <your e-mail address> to MAJORDOMO@LIST.INFOCOM.SEQUEL.NET
BIOFRAUEN	German-language information and discussion list for/about women in the biological sciences	To subscribe, send the message SUBSCRIBE BIOFRAUEN <your e-mail address> to MAJORDOMO@LISTS.UNI-MARBURG.DE http://stud-www.uni-marburg.de/~Nikoleyc
CCWEST – Canadian Coalition of Women in Engineering, S&T	List (and a site of resources) for women and girls in science and technology in Canada	To subscribe, send the message SUB CCWEST Your Name to LISTPROCESSOR@CUNEWS.CARLETON.CA http://www.cwest.org/english/ccwest.html
CYBER-FEM	Moderated list. Draws upon current debates in feminist and science studies	To subscribe, send the message SUBSCRIBE CYBER-FEM to MAJORDOMO@HSPHSUN2.HARVARD.EDU http://www.hsph.harvard.edu/rt21
DAPHNET	E-mail network for and about women in science and engineering	To subscribe, send the message SUBSCRIBE DAPHNET to MAJORDOMO@IC.AC.UK
EWM-ALL	List that connects European women academic mathematicians	To subscribe, send the message JOIN EWM-ALL Firstname Lastname to MAILBASE@MAILBASE.AC.UK http://www.mailbase.ac.uk/lists/ewm-all
FIST (Feminism in/and Science and Technology)	Unmoderated list for discussion of feminism and science and technology	Send message with just "subscribe" in the Subject: line to FIST-REQUEST@NIESTU.COM.
GENDER-SET	List for discussion of research on gender, science, technology, and engineering (SET)	To subscribe, see web page at http://www.jiscmail.ac.uk/lists/gender-set.html
GRRLTALK	LinuxChix list for women who are interested in the GNU/Linux operating system, the Open Source Software movement, and/or the efforts of the Free Software Foundation	To subscribe, see web page at http://www.linux.org.uk/mailman/listinfo/grrltalk

CATEGORY	CHARACTERISTICS	WEBSITE
LINUX-WOMEN	List for women who play and work in Linux	To subscribe send email to LW-INFO@NIESTU.COM
MRSWOMEN	List for women in materials science and related fields	Send usual subscription message to LISTSERV@CMSA.BERKELEY.EDU
NOWA.INTERNATIONAL	International list for women who provide computer training to women	To subscribe, send email message to brigitte.hinteregger@nowa.at saying SUBSCRIBE NOWA.INTERNATIONAL in the message body. Include full name and email address
TECHTALK	LinuxChix list for technical discussion among women interested in Linux or in the Open Source Software movement	To subscribe, see web page http://www.linux.org.uk/pipermail/techtalk
WAM	List to assist members of Women and Mathematics keep in touch and share information	To subscribe, send the message SUBSCRIBE WAM to MAJORDOMO@MYSTERY.COM
WEBWOMEN-TECH	List for women involved in the technical side of managing web sites	To subscribe, send a message with just the word SUBSCRIBE in the Subject: header to WEBWOMEN-TECH-REQUEST@NIESTU.COM
WEPAN-L	E-mail list associated with WEPAN, Women in Engineering Program Advocates Network. WEPAN's purpose is to encourage more women to pursue careers in engineering	To subscribe to WEPAN-L, send the usual subscription message to LISTSERV@VM.CC.PURDUE.EDU http://www.engr.washington.edu/~wepan
WIC-LIST	List for members and interested parties of the British-based Women into Computing (WIC), an organisation set up by academics with input from industry to encourage women and girls into computing	To subscribe, see web page at http://www.jiscmail.ac.uk/lists/wic-list.html
WIENET (Women in Evolution Network)	Fosters networking among all people interested in the experience of women in evolutionary biology and science in genera	To subscribe to the list, send the message SUBSCRIBE WIENET Your Name to LISTPROC@WUGATE.WUSTL.EDU Note: the listname, WIENET, must be in all caps
WIGSAT-L	Focuses on international gender, science, and technology issues for NGOs, researchers, policy makers, and anyone interested in gender, science, and technology for development	To subscribe, send a message to WIGSAT-L@LIST.IFIAS.CA with the word SUBSCRIBE in the Subject heading
WIN (Women in Neuroscience)	List that links over 600 women neuroscientists throughout the world. It is affiliated with the Society for Neuroscience	To subscribe, contact Ivy Dunn at IDUNN@P300.CPL.UIUC.EDU
WINVET (Women's Network for Technical and Vocational Education and Training)	Established so that women involved in technical and vocational education in the Asia Pacific Region can access professional information and discuss issues, ideas, and achievements	To subscribe, send the message SUBSCRIBE WINVET to MAJORDOMO@SUNSITE.ANU.EDU.AU
WIPHYS	Moderated list for issues of concern to women in physics	To subscribe, send the message SUBSCRIBE WIPHYS to LISTSERV@APS.ORG.
WISENET	List for women in science, mathematics, and engineering	Send usual subscription message to LISTSERV@LISTSERV.UIC.EDU.
WiseScript	List for people interested in learning client-side JavaScript for use on web pages	To subscribe, see web page at http://www.wise-women.org/about/join

CATEGORY	CHARACTERISTICS	WEBSITE
WiseWomen	High-volume list (20-50 messages per day) which provides a supportive atmosphere to deal with issues of web development and consulting	To subscribe, see web page at http://www.wise-women.org/about/join
WITCH – Women in (the) Computing History	Seeks to augment traditional resources of women's history and histories of computing by being a repository for women's own stories throughout the history of computing	To subscribe, send a message to WITCH-REQUEST@NIESTU.COM with the single word SUBSCRIBE in the Subject header
WOMENINCOMPUTING	List for women interested in computing or working in the computing industry	To subscribe, see web page at http://groups.yahoo.com/group/WomenInComputing
WOMENINSCIENCE	List for women scientists from the United Kingdom and Switzerland	To subscribe, send the message SUB WOMENINSCIENCE to LISTSERV@MILEPOST1.COM http://www.milepost1.com/mailling/lists/WomenInScience.html
WOMENINWILDERNESS	List for discussing women who enjoy outdoors recreation such as mountain climbing, backpacking, scuba diving, wilderness homesteading, etc. and the careers open for women in the fields of natural science	To subscribe, see web page at http://groups.yahoo.com/group/womeninwilderness/join
WOMEN-IN-ECOLOGY	List for women ecologists in academic or related institutions primarily in higher education	For more information or to subscribe, see the WOMEN-IN-ECOLOGY web page at http://www.jiscmail.ac.uk/lists/women-in-ecology.html
Women in Technology	Listing of email lists focusing on women in technology, both local and national	http://www.topica.com/dir/?cid=2303
WOMUNSCI (WOMen Undergraduates in SClence)	List for discussing the issue of women's under-representation in science and what can be done to attract and retain women in the sciences, especially at the undergraduate level	To subscribe, send the message SUBSCRIBE WOMUNSCI Your Email Address (Your Name) [e.g., SUBSCRIBE WOMUNSCI janedoe@mycollege.edu (Jane Doe)] to MAJORDOMO@CS.UMASS.EDU
WORLDWIT	International alliance of email lists for women in technology	More information is available at http://www.worldWIT.org
WST-L	List focuses on women, science, and technology internationally	To subscribe, send an e-mail message to WST-L@LIST.IFIAS.CA with the word SUBSCRIBE in the Subject: line. For more information, write to the listowner at SHUYER@IFIAS.CA
WW-TALK	List where women web designers discuss matters off-topic for the WiseWomen list	To subscribe, see web page at http://www.wise-women.org/about/join
PUBLICATIONS: ARTICLES, BOOKS AND BIOGRAPHIES		
4000 Years of Women in Science	Biographies, bibliographic references, photographs, and links to related sites	http://crux.astr.ua.edu/4000WS/4000WS.html
Achieving Gender Equity in Science Classrooms: A Guide for Faculty	Handbook compiled by women science students, science faculty and staff at a consortium of New England colleges	http://www.brown.edu/Administration/Science_Education/Gender_Equity
Barriers for Women in Computing	1998 study at the University of Limerick [Ireland] that seeks to explain women's under-representation in computing and offers suggestions for how to effect change	http://www.ul.ie/~govsoc/barrierstw.html
Biographies of Women Mathematicians	Indexed alphabetically and chronologically	http://www.agnesscott.edu/lriddle/women/women.html

CATEGORY	CHARACTERISTICS	WEBSITE
Books about Women and Information Technology	Extensive, frequently-updated list of books about women and information technology	http://www.umbc.edu/cwit/cwitbooks.html
Books about Women and Technology	Bibliography dealing with women and technology	http://www.library.uiuc.edu/wst_tocs/impact.html
Computing, Diversity and Community: Fostering the Computing Culture	A talk by computer science professor Danielle Bernstein about how to attract and retain women in math, science, and, especially, computing	http://www.kean.edu/~dbernste/Pcsacm.html
The Construction of Gender at UBC Computing Services	Essay by Diane Currie, who works at the computing department at the University of British Columbia. The essay's relevance extends far beyond UBC	http://www.herplace.org/compgend.html
Contributions of 20th Century Women to Physics	American Physical Society project documenting women who have made original and important contributions to physics in the 20th century	http://www.physics.ucla.edu/~cwp
Data on Women in Physics	Page from the American Institute of Physics includes several reports about the education and employment of women in physics and related fields	http://www.aip.org/statistics/trends/wmtrends.html
Diversity in Engineering	1998 talk by William A. Wulf, president of the National Academy of Engineering, on the need for more women and underrepresented minorities in the engineering profession	http://www.nae.edu/nae/nae.nsf/NAE+Publications/Bridge/Diversity+in+Engineering
Educational Pipeline Issues for Women	A still timely article, written by Nancy Leveson in 1990, about the under-representation of women in computer science that does a very good job of setting forth the issues	http://www.ai.mit.edu/people/ellens/Gender/pipeline.html
Female Friendly Science: Including Women in Curricular Content and Pedagogy in Science	Full text of a 1990 article by Sue Rosser that discusses how changes in curricular content and teaching techniques may attract more women to science	http://watt.enc.org/online/ENC2289/2289.html
Gender and Electronic Discourse	Four hypertexts dealing with the effect of electronic discourse on gender and/or the effect of gender theory on electronic discourse	http://english.ttu.edu/kairos/2.2/coverweb
Gender in the Internet Age	The Winter 2000 issue of The CPSR Newsletter, edited by Ellen Spertus and Evelyn Pine, is devoted to exploring "how the Internet and other computing advances subvert or reinforce gender roles	http://www.cpsr.org/publications/newsletters/issues/2000/Winter2000/index.html
Gender Issues in Cyberspace	Chapter 7 of Anita Colyer's Penn State thesis, "A Trip through Cyber Cinema Fandom: The Ethnography of CINEMA-L"	http://www.outreach.psu.edu/users/afc1/thesis/eth.ch7.html
Graduate Women in Science – Sigma Delta Epsilon	Article written by Dr. Susan E. Feinman	http://www.gac.edu/People/orgs/gwis/gwisinfo.html
GREAT: The Effect of Computers on the Gender Gap in Education	Series of articles addressing gender inequality in the classroom, gender disparity in computer-related fields, and the introduction of computers into the classroom, as well as case studies, personal stories, and software reviews	http://www-cse.stanford.edu/classes/cs201/projects-97-98/gender-gap-in-education/index.html
The Incredible Shrinking Pipeline	Prof. Tracy Camp's 1997 paper discussing the declining ratio of women studying computer science as women move from high school to college to graduate school	http://www.mines.edu/fs_home/tcamp/cacm/paper.html
Improving the Graduate School Environment for Women in Computer Science	List of programmes and practices that enhance the quality of the graduate school experience for female graduate students in Computer Science	http://www.cs.washington.edu/homes/soha/GH/list.html

CATEGORY	CHARACTERISTICS	WEBSITE
Java, Women and the Culture of Computing	Paper by computer science professor Danielle Bernstein, published in July 1999	http://turbo.kean.edu/~dbernst/naccq.html
LiveWire: Computer Confidence for Women	A series of approximately 20 enjoyable, well-written columns by Rachel Adelson that explore "the ways that women can become confident and self-sufficient" in dealing with computers	http://www.awc-hq.org/livewire
No Girls Allowed!	Melissa Koch's 1994 article in <i>Technos Quarterly</i> describes factors that may cause some girls to turn away from technology	http://www.technos.net/journal/volume3/3koch.html
Reproductive Technologies Web: RT21	Harvard University's Global Reproductive Health Forum, this site offers articles on such issues as Teaching Science and Technology, Globalism and Development; the Medicalisation of Birth; and Race and Reproductive Technologies	http://www.hsph.harvard.edu/rt21
Research on Young Women in Computer Science: Promoting High Technology for Girls	Text of an invited presentation by Dr. Gail Crombie in 1999 to the annual meeting of the Professional Engineers of Ontario	http://cythera.ic.gc.ca/htos/allfemalecs
Stealing the Fire: Women Scientists in Fiction	Essay by Alison Sinclair in issue #47 of BioMedNet's HMS Beagle about the representation of women scientists in contemporary fiction. Followed by links to sites related to women in science	http://news.bmn.com/hmsbeagle/47/booksoft/essay.html
Talking about Leaving: Why Undergraduates leave the Sciences	Computer Science Professor Danielle R. Bernstein offers a summary of this 1997 book by Elaine Seymour and Nancy Hewitt, including a section on gender, along with her own response to the book and the reactions of others	http://www.kean.edu/~dbernst/sumseym.html
Tips for a Massive Academic Job Search	Document by computer science professor Ellen Spertus	http://www.mills.edu/ACAD_INFO/MCS/SPERTUS/job-search/job.html
Valley Girls: Women in Technology	Profiles and interviews with women who work in technology in Silicon Valley	http://www.newmedianews.com/032197/wit_home.html
Where have all the women gone – from computer science?	1998 paper by Dagny Stuedahl and Kristin Braa, Dept. of Informatics, University of Oslo	http://www.ifi.uio.no/~systarb/jenter.og.IT/iris.html
Women and Computer Science	Ellen Spertus' collection of online papers [including Spertus' classic "Why Are There So Few Female Computer Scientists?"]	http://www.mills.edu/ACAD_INFO/MCS/SPERTUS/Gender/gender.html
Women and Girls Last: Females and the Internet	Janet Morahan-Martin's 1998 paper about the often problematic climate for women on the Internet. Includes reference to research about women and computing	http://sosig.ac.uk/iriss/papers/paper55.html
Women in Computing Newsletter	Articles and information for women in computing, including pieces on breaking the glass ceiling, why male mentors may pass over female candidates, 100 top women in computing	http://www.lantimes.com/wic/content.html
Women in Computer Sciences: Closing the Gender Gap in Higher Education	Research on how to attract and retain women students in computer science by Allan Fisher and Jane Margolis	http://www.cs.cmu.edu/afs/cs/project/gendergap/www/index.html
Women in Science	Annotated Bibliography of Women in Science	http://www.kings.edu/womens_history/emscience.html
Women in the Information Technology Workforce: A Virtual Workshop	Archives of a three-week online discussion sponsored by the National Science Foundation that took place in Fall 1999	http://www.interact.nsf.gov/cise/itwomen.nsf/alltopics?OpenForm
Women Inventors	Brief biographies of a number of women inventors, including some who are relatively obscure	http://www.inventorsmuseum.com/women.html

CATEGORY	CHARACTERISTICS	WEBSITE
Women: Lost in Cyberspace?	Essay by Kenyon College professor Laurie Finke calling attention to the loss of human agency in most accounts of the benefits of information technology and urging more attention both to feminist pedagogy and to information technology's impact on women	http://www.enhanced-learning.org/prox/paper5.html
Women, Minorities, and Persons with Disabilities in Science and Engineering	1994 National Science Publication	http://www.nsf.gov/sbe/srs/wmpdse94/start.html
Women Nobel Prize Laureates	Information and links about all women who have won the Nobel Prize; arranged by field, and then chronologically	http://www.almaz.com/nobel/women.html
CONFERENCES AND SELECTED REPORTS		
Gender Equity for Mathematics and Science	Account of a conference sponsored by the Woodrow Wilson Leadership Program for Teachers	http://www.woodrow.org/teachers/math/gender/
Is the Glass Half Full or Half Empty?	Report in <i>Scientific American</i> about a New York Academy of Sciences conference that celebrates the advances that women in science have made over the past 25 years and examines why disparities still exist	http://www.sciam.com:/explorations/1998/051898women/women.html
Report on the 3rd Grace Hopper Celebration of Women in Computing	Succinct, useful account of the Grace Hopper conference held in September 2000, with a focus on the under-representation of women in information technology, especially computer science	http://women.cs.uiuc.edu/events/GHC.html
Research Foundations for Improving the Representation of Women in the Information Technology Workforce	Extensive report arising from an NSF-sponsored 'virtual workshop' held in late 1999 which addresses causes of the under-representation of women in the information technology workforce	http://cise.nsf.gov/itwomen.html
Status of Women Faculty in Science at MIT: A Study	1999 report with recommendations for increasing the number of women and improving their professional lives at MIT – Massachusetts Institute of Technology	http://web.mit.edu/fnl/women/women.html
Tech-Savvy: Educating Girls in the New Computer Age	Summary of a report issued in 2000 by the American Association of University Women about many girls' lack of enthusiasm for computer science and technical careers	http://www.aauw.org/2000/techsavvy.html
UN CSTD (United Nations Commission on S & T for Development)	1995 report of the Gender Working Group for UNCSTD. Includes set of recommendations.	http://gab.wigsat.org/uncstd.html
Who Will Do the Science of the Future? A Symposium on Careers of Women in Science (2000)	Full text of a National Academy of Sciences symposium held in 2000	http://www.nap.edu/books/0309071852/html
Women in Science and Technology Conference (WIST)	Aims to support and encourage women in the pursuit of degrees and careers in S & T. More than 300 college and high school women, along with their professors and teachers, attend each year	http://www.ornl.gov/seer/special/wist.html
Women's Environment and Development Organisation (WEDO) Development (UNCED)	"Lighting the Path to Progress" Women's Initiatives and An Assessment of Progress since the 1992 United Nations Conference on Environment and	http://www.ecouncil.ac.cr/rio/focus/report/english/wedo.html
The 1997 Grace Hopper Celebration of Women in Computing	Post-conference media coverage	http://www.sdsc.edu/Hopper/

CATEGORY	CHARACTERISTICS	WEBSITE
ICWES – 12th International Conference of Women Engineers and Scientists	The Conference is being hosted at the Ottawa Congress Centre, in Ottawa, Ontario, Canada on July 27–31, 2002	http://www.carleton.ca/wise/icwes12/icwes12.html
III. SELECTED INSTITUTES, CENTRES OF STUDY AND INTERNATIONAL ORGANISATIONS		
AAAS (American Association for the Advancement of Science)	Aims to improve the quality of science, mathematics, and technology education, to increase participation of minorities, women, and people with disabilities in science and engineering and to improve public understanding of science and technology. Special focus on girls and women of all colours, backgrounds, and abilities	http://ehrweb.aaas.org/ehr/3_2_0a.html
Asia Institute of Technology (AIT): Gender and Development Programme	Regional institute of learning located in Thailand. One of the major objectives of the AIT Institute Plan is to promote the advancement of women and to strengthen their role in the development process	Tel: 66-2-524-5673/524-5668 Fax: 66-2-524-6166, 516-2126 http://www.ait.ac.th/AIT/schools/serd/gendev/conference.html
Feminist University Network	Women's Centres and Women's Studies Resources and Programmes	http://www.feminist.org/campus/funstud.html
Gender, Science and Development (GSD) Programme, IFIAS	Makes policy recommendations concerning the effects of science and technology on the lives of women. It emphasises North-South co-operation in understanding the role women play in the development and application of science and technology, and studies ways of increasing women's contribution to science and development	Contact: Sophia Huyer at shuyer@wigsat.org Tel: 1-905-349-9962 Fax: 1-905-349-2066 http://www.ifias.ca/gsd/gsdinfo.html
IDRC – International Development Research Centre – Gender and Sustainable Development (GSD) Unit	Works to integrate a gender perspective into all IDRC programmes and initiatives	http://www.idrc.ca/gender
Institute for Women and Technology	Organisation whose mission is to increase the impact of women on technology and to increase the positive impact of technology on women's lives	Contact: Anita Borg Tel: +1 650 812 4496 Fax: +1 650 812 4969 http://www.iwt.org
Institute for Women in Trades, Technology, and Science (IWITTS)	Dedicated to integrating women into non-traditional careers by providing training, technical assistance, and publications to schools and publications to schools and employers	http://www.iwitts.com
IITA – International Institute of Tropical Agriculture – Gender Analysis	Aims to enable readers to explain the objectives of gender analysis, discuss the reasons for gender analysis, identify gender roles, identify needs and constraints faced by women under different situations and analyse your own work for gender sensitivity	http://www.iita.org/publib/trn_mat/irg58/irg581.html
Moscow Centre for Gender Studies (MCGS)	Non-governmental, non-profit research and cultural institution. Women scholars with strong feminist orientation were brought together by their mission to promote gender research and to withstand gender discrimination	http://www.neww.org/fsuwomen/moscow.html
National Women Studies Association	Supports and promotes feminist/womanist teaching, learning, and research	http://www.nwsa.org
NGO Committee on the Status of Women, New York	The NGO Committee on the Status of Women in New York provides a forum for the exchange of information on gender issues that are under consideration by the UN system	http://www.womenact.org

CATEGORY	CHARACTERISTICS	WEBSITE
Third World Organisation for Women in Science (TWOWS)	Independent, non-profit and non-governmental body based at the offices of the Third World Academy of Sciences (TWAS), Italy. Forum aims to unite eminent women scientists from the South and promoting them as S&T leaders	Contact: TWOWS Secretariat Tel: 39-040-2240-321 Fax: 39-040-224559 E-mail: info@twows.org
UNIFEM – Women Making a Difference in S & T	Publication prepared by UNIFEM. Result of a literature search and a survey	Case Studies Websites: http://www.unifem.undp.org/wmdst/ http://www.unifem.undp.org/ec_tech.html
The United Nations – Commission on the Status of Women	One of the first bodies established by the UN Economic and Social Council. Since 1946, it has monitored the situation of women and promoted their rights around the world	http://www.un.org/Conferences/Women/PubInfo/Status/Home.html
Women and the Web: Navigating the Cyber Revolution	Audio and video broadcast of a conference held at Radcliffe College in October 2000	http://www.radcliffe.edu/alumnae/calendar/council.html
Women in Computing Academic Resource	Includes a compilation of colleges and universities that have formal and/or informal programmes for encouraging/retaining women in computer science	http://www.womenswork.org/wcar

IV. SELECTED ABORIGINAL WOMEN'S SITES

Sapa Dawn North American Indian Lodge	Janet McCloud has written, travelled, and spoken on Indigenous Rights, issues of Indigenous women, and Indigenous Religious Freedom	http://www.alphacdc.com/sapadawn
Native Web	Resources for Indigenous Cultures around the World on women issues	http://www.nativeweb.org/resources/women
Women and Girls' Tech Up	Aims to encourage women and girls – and the organisations which serve them – to use technology to share ideas, opinions, support, creativity and political action	http://www.techup.org

V. SELECTED FEDERAL GOVERNMENTS AND NATIONAL WOMEN'S MACHINERIES

Australia	Role is to advise the Prime Minister, to develop policy and influence Cabinet and Budget decision-making to ensure women's interests are considered	http://osw.dpmc.gov.au
Canada	Canada's commitment to implementing gender-based analysis is articulated in "Setting the Stage for the Next Century: The Federal Plan for Gender Equality" (1995–2000), which was presented at the Fourth UN World Conference on Women.	http://www.swc-cfc.gc.ca/gba-ac/english/about.html
Ghana	The report is available from the National Council on Women in Development, Accra, Ghana. Published by Freiderich Ebert Foundation, Accra, Ghana, August 1995	http://www.worldbank.org/afr/gender/nbprjgha.html
Iran	Women in Iran – A look at President Khatami's first year in office	http://www.uri.edu/artsci/wms/hughes/khatami.html
North West Territories, Canada	The mandate of the Council is to work towards the equality of women in the NWT through advice to the Government of the NWT; research; public education; advocacy on behalf of women; and assistance to women's groups	http://www.statusofwomen.nt.ca
The Status of Women in Islam	Paper written by Jamal A. Badawi	http://www.iad.org/books/S-women.html
The Philippines	Selection of articles on the status of women in the Philippines	http://www.univie.ac.at/Voelkerkunde/apsis/aufi/statwom.html