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## QUOTE OF THE MONTH

Whatever the cost of our  
libraries, the price is cheap  
compared to that of an  
ignorant nation.

Broadcaster Walter Cronkite

NEW LOOK FOR THE LIBRARY'S  
PUBLIC COMPUTERS

Beginning July 5, the Library implemented a new look on our public access computer desktops. If you are an NCI-Frederick employee, all you need is your employee ID card with a library barcode on the back. If you don't yet have a barcode, bring your ID to the Circulation Desk to be registered. The new desktop configuration is colorful with large icons, featuring links to some of the more commonly used resources such as the Library's Web site, Online Journals list, NCI-Frederick's Web site, PubMed, Web of Science, Chemical Abstracts on CD, as well as MS Word, Excel and Power Point. You may type in your barcode or use the attached barcode scanner to enter your barcode. It's important also to remember that to ensure that someone who sits at the computer you have just vacated does not use your record, always logout at the end of your session!



## LIBRARY ORIENTATIONS

Regular Library Orientations are held on the second Wednesday of each month, **beginning at 2:30 p.m.** Upcoming Orientations will be held on **Wednesday, August 14** and **Wednesday, September 11**. Orientations are held in the Library's Microcomputer Lab. No prior registration is required.

We encourage all new employees to attend, to learn more about the Library's services, and to see demonstrations of the Library's Home Page and online catalog. If you are unable to attend any of these sessions, please call x5840 to schedule an alternate session.

LIBRARY	Main Number	846-1093
Circulation Desk	846-5848	
Computer Searches	846-5840	
Interlibrary Loan	846-5842	
Reference	846-1682	

## LIBRARY HOURS

Monday - Thursday	8:30 - 9:00
Friday	8:30 - 7:00
Saturday	10:00 - 5:00
Sunday	11:00 - 5:00

Visit the Library's Home Page at <http://www-library.ncifcrf.gov>

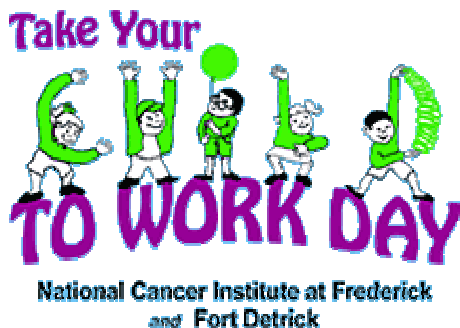


## TRAINING OPPORTUNITIES AT THE LIBRARY

The Scientific Library offers different kinds of training for different learning needs. Hands-on Computer Classes, Web Tutorials, Video-based Training, Instructional CD-ROM, and Customized Training are all available. To see explanations for all Library training, please check our web site at URL <http://www-library.ncifcrf.gov/>.

Scroll to "Library Training" and select the appropriate link.

The Fall schedule for Hands-on Computer Classes will be available in August.



## "TAKE YOUR CHILD TO WORK DAY" AT THE LIBRARY

The staff of the Scientific Library is preparing for the NCI-Frederick 2002 "Take Your Child To Work Day," scheduled for Wednesday, July 24. We always enjoy participating in this Center-wide fun, creative, and educational activity.

Our theme for this year is "Amazing Landmarks of America." We will again be opening our Microcomputer Lab to the children so they can browse a variety of web sites about different American landmarks. Some of the landmarks are well-known, and some are a bit unusual, but all are interesting and fun! Check the Library's web site after July 24 to explore all the landmark sites.

## NCBI PERSONAL CONSULTATIONS

A staff member from the National Center for Biotechnology Information (NCBI) will visit the NCI-Frederick campus in August to offer personal consultations to interested NCI-Frederick personnel. A one-hour personal consultation provides each student with an opportunity for a one-on-one discussion about an NCBI-related topic of his or her choice. All consultations are held in the Scientific Library's Microcomputer Lab, to allow hands-on practice and access to the NCBI databases, such as GenBank and BLAST, via the World Wide Web.

The August visit is scheduled for Tuesday, August 13. One-hour sessions begin at 9:00 a.m., with the final session beginning at 4:00 p.m. You must register to attend a personal NCBI consultation. If you are interested, please contact the Instructional Resources Librarian at x5840.



## CLINICAL ALERT

The National Heart, Lung, and Blood Institute (NHLBI) released a new clinical Alert on Tuesday, July 9, 2002. The Alert is entitled "NHLBI Stops Trial of Estrogen Plus Progestin Due to Increased Breast Cancer Risk, Lack of Overall Benefit."

You may access the Alert on the World Wide Web at URL:

[http://www.nlm.nih.gov/databases/alerts/estrogen\\_progestin.html](http://www.nlm.nih.gov/databases/alerts/estrogen_progestin.html), or read the complete Alert here.

### ALERT:

The National Heart, Lung, and Blood Institute (NHLBI) of the National Institutes of Health (NIH) has stopped early a major clinical trial of the risks and benefits of combined estrogen and progestin in healthy menopausal women due to an increased risk of invasive breast cancer. The large multi-center trial, a component of the Women's Health Initiative (WHI), also found increases in coronary heart disease, stroke, and pulmonary embolism in study participants on estrogen plus progestin compared to women taking placebo pills. There were noteworthy benefits of estrogen plus progestin, including fewer cases of hip fractures and colon cancer, but on balance the harm

was greater than the benefit. The study, which was scheduled to run until 2005, was stopped after an average follow-up of 5.2 years.

Participants in this component of WHI, like most women with a uterus who take hormone therapy, were given progestin in combination with estrogen. This practice is known to prevent endometrial cancer. A separate WHI study of estrogen alone in women who had a hysterectomy before joining the WHI hormone program continues unchanged because, at this point, the balance of risks and benefits of estrogen alone is still uncertain.

The report from the WHI investigators on the estrogen plus progestin study findings will be published in the July 17 issue of *The Journal of the American Medical Association (JAMA)*; because of the importance of the information, the study is being released early on Tuesday, July 9, as an expedited article on the JAMA Web site. (Full text version available to all at [jama.com](http://jama.com).)

"We have long sought the answer to the question: Does postmenopausal hormone therapy prevent heart disease and, if it does, what are the risks? The bottom-line answer from WHI is that this combined form of hormone therapy is unlikely to benefit the heart. The cardiovascular and cancer risks of estrogen plus progestin outweigh any benefits--and a 26 percent increase in breast cancer risk is too high a price to pay, even if there were a heart benefit. Similarly, the risks outweigh the benefits of fewer hip fractures," said NHLBI Director Claude Lenfant, M.D.

"Menopausal women who might have been candidates for estrogen plus progestin should now focus on well-proven treatments to reduce the risk of cardiovascular disease, including measures to prevent and control high blood pressure, high blood cholesterol, and obesity. This effort could not be more important: heart disease remains the number one killer of American women," added Lenfant.

The estrogen plus progestin trial of the WHI involved 16,608 women ages 50 to 79 years with an intact uterus. An important objective of the trial was to examine the effect of estrogen plus progestin on the prevention of heart disease and hip fractures, and any associated change in risk for breast and colon cancer. The study did not address the short-term risks and benefits of hormones for the treatment of menopausal symptoms.

About 6 million women in the U.S. are taking estrogen plus progestin for a variety of reasons, including symptom relief, because their doctors advised it, or for long-term health.

"Women with a uterus who are currently taking estrogen plus progestin should have a serious talk with their doctor to see if they should continue it. If they are taking this hormone combination for short-term relief of symptoms, it may be reasonable to continue since the benefits are likely to outweigh the risks. Longer term use or use for disease prevention must be re-evaluated given the multiple adverse effects noted in WHI," said Jacques Rossouw, M.D., acting director of the WHI.

According to Rossouw, the adverse effects of estrogen plus progestin applied to all women, irrespective of age, ethnicity, or prior disease status.

"When the estrogen-only trial is completed, a comparison of the results of these two trials may provide a better idea of the roles of estrogen, compared to estrogen plus progestin, in health and disease," said Marcia Stefanick, Ph.D., chair of the WHI Steering Committee and Associate Professor of Medicine, Stanford University, Palo Alto, California.

Women enrolled in the estrogen plus progestin study were randomly assigned to a daily dose of estrogen plus progestin (0.625 mg of conjugated equine estrogens plus 2.5 mg of medroxyprogesterone acetate) or to a placebo. Participants were enrolled in the study between 1993 and 1998 at over 40 clinical sites across the country.

In 2000 and again in 2001, WHI investigators complied with a recommendation from the study's Data and Safety Monitoring Board (DSMB) to inform participants of a small increase in heart attacks, strokes, and blood clots in women taking hormones. The DSMB, an independent advisory committee charged with reviewing results and ensuring participant safety, found that the actual number of women having any one of these events was small and it did not cross the statistical boundary established to ensure participant safety. Therefore, the group recommended continuing the trial due to the still uncertain balance of risks and benefits.

Then, at the DSMB's regularly scheduled meeting on May 31, 2002, the data review revealed for the first time that the number of cases of invasive breast cancer in the estrogen plus progestin group had crossed the boundary established as a signal of increased risk.

"In designing the trial and following the results, the safety of the patients was of the utmost importance," said Garnet Anderson, Ph.D., a biostatistician who led the analysis at the Fred Hutchinson Cancer Research Center, Seattle, Washington. "Because breast cancer

is so serious an event, we set the bar lower to monitor for it. We pre-specified that the change in cancer rates did not have to be that large to warrant stopping the trial. And the trial was stopped at the first clear indication of increased risk," she added. She also noted that, at that point, there was no indication of increased risk for breast cancer in the estrogen-only group.

The DSMB's May 31 recommendation to stop the trial was based on the finding of increased breast cancer risk, supported by the evidence of overall health risks exceeding any benefits. Following the NHLBI's decision to stop the study, the Institute and the investigators have worked intensively to develop information materials for participants. On July 8, participants started receiving letters informing them about the results and telling them that they should stop study medications. Participants will be contacted by their clinical centers for further counseling and will continue to have clinic visits so that their health outcomes can be followed.

All WHI participants, including those in the other study components, are also receiving a newsletter with a summary of the findings and an explanation of risks and benefits.

Dr. Rossouw stressed the importance of understanding how the risk to an individual woman can be low, but the risk to the population at large can be great.

"The WHI results tell us that during 1 year, among 10,000 postmenopausal women with a uterus who are taking estrogen plus progestin, 8 more will have invasive breast cancer, 7 more will have a heart attack, 8 more will have a stroke, and 18 more will have blood clots, including 8 with blood clots in the lungs, than will a similar group of 10,000 women not taking these hormones. This is a relatively small annual increase in risk for an individual woman. Individual women who have participated in the trial and women in the population who have been on estrogen and progestin should not be unduly alarmed. However, even small individual risks over time, and on a population-wide basis, add up to tens of thousands of these serious adverse health events," explained Rossouw.

The National Cancer Institute (NCI) re-emphasized the recommendation that all women in their forties and older get screened for breast cancer with mammography every 1 to 2 years.

"Women in the WHI, women taking hormones for any reason, and any woman over 40 should remain committed to their regular program of breast cancer

screening to allow the earliest possible detection of breast cancer," said Leslie Ford, M.D., associate director for clinical research in NCI's Division of Cancer Prevention.

"The reduction in colorectal cancer risk in the WHI is intriguing, but the balance of harm versus benefit does not justify any woman beginning or continuing to take estrogen plus progestin for this purpose. NCI has a number of clinical trials under way investigating new methods to detect and prevent both colorectal cancer and breast cancer that will provide critical information to help women make important health decisions," added Ford.

Specific study findings for the estrogen plus progestin group compared to placebo include:

- A 41 percent increase in strokes
- A 29 percent increase in heart attacks
- A doubling of rates of venous thromboembolism (blood clots)
- A 22 percent increase in total cardiovascular disease
- A 26 percent increase in breast cancer
- A 37 percent reduction in cases of colorectal cancer
- A one-third reduction in hip fracture rates
- A 24 percent reduction in total fractures
- No difference in total mortality (of all causes)

The WHI involves over 161,000 women who are participating in a set of clinical trials or an observational study. The clinical trials are designed to test promising but unproven preventive measures for heart disease, breast and colorectal cancer, and osteoporosis. In addition to the trials of estrogen alone and estrogen plus progestin, other trials are studying a low-fat eating pattern and calcium/Vitamin D supplementation. WHI is sponsored by NHLBI in collaboration with four other components of the NIH--the National Cancer Institute, the National Institute of Arthritis and Musculoskeletal and Skin Diseases, the National Institute on Aging, and the Office of Research on Women's Health. Note: Wyeth-Ayerst Research provided the medication (active hormones and placebo) for the estrogen plus progestin study.

To interview Dr. Rossouw, contact the NHLBI Communications Office at (301) 496-4236; to interview Dr. Stefanick, call the Stanford University News and Public Affairs Office at (650) 723-6911; to interview Dr. Anderson, call the Fred Hutchinson Cancer Research Center Media Relations Office at (206) 667-5095; and to interview Dr. Ford, call the NCI Press Office at (301) 496-6641.

## CHROMOSOMAL VARIATION IN MAN ONLINE

A searchable Web version of **Chromosomal Variation in Man: A Catalog of Chromosomal Variants and Anomalies**, 8th ed., by Digamber S. Borgoankar, is currently available to the public free of charge. This noted resource consists of a systematic collection of important citations from the world's literature on all common and rare chromosomal alterations in humans. Organized by variations and anomalies, numerical anomalies, and chromosomal breakage syndromes, the database contains over 20,000 entries continuously updated since 1974. Locate a link to this resource on our Web site under Electronic Resources. Click on Online Journals, then Full-Text Resources, or visit the URL <http://www.wiley.com/legacy/products/subject/life/borgaonkar/>. The Library also holds a print version of this resource in our Reference collection. The call number is **REF QS 677 .B732c 1997**.



## SPOTLIGHT ON SCIENCE'S STKE

In case you missed our announcement about this resource the first time around, this month we are putting the spotlight on a unique database from AAAS, the publishers of the journal **Science**, called "STKE".

Signal transduction, the study of how cells control their own and each other's behaviors through chemical signals, is an active field of biomedical research. **Science's STKE** should be useful to scientists specializing in signal transduction as well as those whose primary interest may be in other areas or be where current findings in the field may need to be applied.

Experienced editors from **Science** worked with software developers from HighWire Press to develop the **STKE**. Its goal is to identify and develop a mix of tools and approaches, including algorithms, schemas, programs, and human organizational structures, that are effective for providing access to information on cell signaling. All aspects of this resource are designed to facilitate maximizing the efficiency with which users gather and understand information about cell

regulatory processes. **Science's STKE** emphasizes information selected and reviewed by authorities in the field, supplemented with automated functions where appropriate. For more information, you may access this resource from the Library's Online Journals list, via the **Science** Web site or directly at the URL <http://stke.sciencemag.org/>.

## AMERICAN CHEMICAL SOCIETY (ACS) JOURNAL ARCHIVES NOW ONLINE

The Scientific Library is pleased to announce that we have purchased continued access to the American Chemical Society (ACS) Journal Archives for NCI-Frederick. If you haven't looked at the Archives yet, take this opportunity to learn more about what is available to you. It is important to note that all ACS titles will be available in the Archives, not just the titles to which the Scientific Library subscribes. The ACS Journals search interface has been redesigned so that the Archives are included in any search query. You may also link directly to the ACS Journal Archives from the Library's Online Journals list or at the URL

<http://pubs.acs.org/journals/query/subscriberSearch.jsp>.

## BIOMED CENTRAL PUBLISHING OPPORTUNITY

NIH recently announced the acquisition of an institutional membership in **BioMed Central** for NIH research staff. **BioMed Central** is a commercial online publisher committed to providing free, full-text access to original research published in its 50+ online journals in biology and medicine. **BioMed Central** normally covers its publishing costs by assessing a \$500 per article processing fee. With this new membership, all NIH research staff will receive an article processing charge waiver, among other benefits. Under the terms of the NIH's membership, **BioMed Central** has also created an institutional member's page just for NIH where titles of any original research papers that have originated at NIH can be listed, wherever they have been published. The list will be added to as new research is published.

Authors choosing to publish their research in **BioMed Central** journals are supporting an open-access model, the aim of which is to change the way scientific research is published and disseminated. For instructions on submitting papers and more information about **BioMed Central**, its aims and publishing program, visit the BMC gateway page, customized for NIH members, at the URL

<http://www.biomedcentral.com/inst/gateway>. All free BMC online journals have been added to the Library's Online Journals list.

## NEW! CURRENT INDEX TO STATISTICS ONLINE

The NIH Library has recently acquired access to a unique online index, **Current Index to Statistics**, for the NIH research community. This database is a bibliographic index to publications in statistics and related fields. References are drawn from 111 core journals that are fully indexed, non-core journals from which articles are selected that have statistical content, proceedings and edited books, and other sources. You may access this database from the Scientific Library's Web site under Electronic Resources, then Databases, or access directly at the URL <http://query.statindex.org/CIS/query>. Please note that abstracts are not included, although the developers are planning to add this feature in the future.



## NEW JOURNAL TITLES ADDED

Don't forget to look for recent updates to the Library's Online Journals list. In July, many new titles have been added, including over 50 online journals from **BioMed Central (BMC)**. Other titles added include: **BioDrugs, Cancer Cell, Cancer Cell International, Cell Death and Differentiation, Clinical Pharmacokinetics, CNS Drugs, Drugs & Aging, Genes & Immunity, Cancer Gene Therapy, and Molecular Psychiatry** among others. You can also check the NEWS section from the Online Journals web page at the URL <http://www-library.ncifcrf.gov/onlinejournals.asp> to see what other resources have been added over the last year.

## WEB



## RESOURCES

The following selected sites have come to our attention via various sources; their inclusion on our Web site does not indicate endorsement by Library staff. Links to these sites can be found under the category noted in each listing. Visit the Library's Home Page at <http://www-library.ncifcrf.gov/>.

### Consumer Health Information from NIH

<http://www.nih.gov/health/consumer>

Browse full-text publications from NIH by subject or institute. A note on the site indicates that the Consumer Health Information page is a *growing* collection of the most requested NIH publications. **The current list of titles does not include all that are available**, though they are working toward providing a comprehensive list of on-line consumer health resources at NIH. (*Electronic Resources... Web Resources by Topic...Medical/Clinical*)

### Newsletter of the Office of NIH History

<http://www.nih.gov/od/museum/about/>

Take a look at the first issue of the Office of NIH History newsletter. With this inaugural issue, the staff of the NIH Museum of Medical Research hopes to make their collections and services more widely known and used. In the first issue you will find such topics as updates on archival and photography collections, a documentary film on NIH's historic Building 3, mystery photos and more. (*Electronic Resources... Web Resources... Science/Research*)

### RDN Virtual Training Suite

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

Features a set of online tutorials designed to help students, lecturers, and researchers improve their Internet information literacy and information technology skills. Includes quizzes and interactive exercises. Funded in part by The Higher and Further Education Councils of England, Scotland and Wales. (*Electronic Resources...Web Resources General Reference...Internet Tools*)



## RETRACTIONS OF PUBLICATIONS

The staff of the Scientific Library provides this service to alert our readers to any journal articles that are being retracted by the authors. Often, research that is undertaken to support the ideas in journal articles is questioned by other scientists. If the original authors then publish a formal retraction of all or parts of the original article, MEDLINE indexes that new article as “RETRACTION OF PUBLICATION” in the “publications type” field.

When a new retraction appears in MEDLINE, and subsequently in our newsletter, staff members type alerts that are permanently attached to the original articles. In this way, if a scientist is reading the original article, he/she will immediately be aware of the published retraction, and will be able to easily locate it in the journal collection.

- 1: [No authors listed]  
Withdrawal of "Caveolae and their coat proteins, the caveolins: from electron microscopic novelty to biological launching pad"  
RETRACTION OF: Schlegel A, Lisanti MP  
J Cell Physiol. 2001 Mar;186(3):329-37  
IN: J Cell Physiol. 2002 Jun;191(3):366  
PMID: 12080958
- 2: Altamirano MM, Blackburn JM, Aguayo C, Fersht AR  
Retraction. Directed evolution of new catalytic activity using the alpha/beta-barrel scaffold  
RETRACTION OF: Altamirano MM, Blackburn JM, Aguayo C, Fersht AR  
Nature. 2000 Feb 10;403(6770):617-22  
IN: Nature. 2002 May 23;417(6887):468  
PMID: 12024219
- 3: Nunberg JH  
Retraction  
RETRACTION OF: LaCasse RA, Follis KE, Trahey M, Scarborough JD, Littman DR, Nunberg JH Science. 1999 Jan 15;283(5400):357-62  
IN: Science. 2002 May 10;296(5570):1025  
PMID: 12004901
- 4: Sato H  
[Retraction. Temporary placement of inferior vena cava filter prior to transcatheter arterial embolization (TAE) for hepatocellular carcinoma with IVC tumor thrombus--prevention of pulmonary tumor emboli after TAE]  
RETRACTION OF: Izaki K, Matsumoto S, Konishi J, Higashino T, Tsurusaki M, Fukuda T, Akasaka Y, Mori T, Sugimoto K, Fujii M, Sugimura K, Yoshikawa T, Hirota S, Hayashi Y  
Gan To Kagaku Ryoho. 2001 Oct;28(11):1708-11  
IN: Gan To Kagaku Ryoho. 2002 Apr;29(4):661  
PMID: 12008663

- 5: Akagi K, Yamamura K  
Strain-dependency of chromosomal abnormalities in lymphomas developed in E(mu)-myc transgenic mice  
RETRACTION OF: Akagi K, Yamamura K  
Jpn J Cancer Res. 2001 May;92(5):499-505  
IN: Jpn J Cancer Res. 2002 Feb;93(2):229  
PMID: 12038295
- 6: Grimsrud D  
Retraction  
RETRACTION OF: De Bortoli M, Kephelopoulos S, Kirchner S, Schauenburg H, Vissers H  
Indoor Air. 1999 Jun;9(2):103-16  
AND Lundgren B, Jonsson B, Ek-Olausson B Indoor Air. 1999 Sep;9(3):202-8  
AND Sparks LE, Guo Z, Chang JC, Tichenor BA Indoor Air. 1999 Mar;9(1):10-7  
AND Sparks LE, Guo Z, Chang JC, Tichenor BA Indoor Air. 1999 Mar;9(1):18-25  
IN: Indoor Air. 2000 Jun;10(2):136  
PMID: 12025810



## NEW CENTER FOR HEALTH INFORMATION MATERIALS

### ***Alzheimer Disease – Popular Works***

THE 36-HOUR DAY : A FAMILY GUIDE TO CARING FOR PERSONS WITH ALZHEIMER DISEASE, RELATED DEMENTING ILLNESSES, AND MEMORY LOSS IN LATER LIFE / NANCY L. MACE, PETER V. RABINS. 3rd ed. Baltimore : Johns Hopkins University Press, c1999.  
WM 220 .M141 1999.

### ***Internet***

HEALTH CARE RESOURCES ON THE INTERNET : A GUIDE FOR LIBRARIANS AND HEALTH CARE CONSUMERS / M. SANDRA WOOD, EDITOR. New York : Haworth Information Press, c2000.  
W 26.5 .H433 2000.

### ***Menopause – Popular Works***

THE ONLY MENOPAUSE GUIDE YOU'LL NEED / MICHELE MOORE. Baltimore : Johns Hopkins University Press, c2000.  
WP 580 .M823 2000.

### ***Nursing Homes – Popular Works***

NURSING HOMES : THE FAMILY'S JOURNEY / PETER S. SILIN. Baltimore : Johns Hopkins University Press, 2001.  
WT 27.1 .S583 2001.

### ***Prostatic Neoplasms – Popular Works***

THE PROSTATE : A GUIDE FOR MEN AND THE WOMEN WHO LOVE THEM / PATRICK C. WALSH AND JANET FARRAR WORTHINGTON ; ILLUSTRATIONS BY LEON SCHLOSSBERG. Baltimore : The Johns Hopkins University Press, c1995  
WJ 752 .W226 1995



## NEW AUDIOVISUAL MATERIALS

### ***Bioterrorism – United States – videocassettes***

BIOTERROR [VIDEORECORDING] / A NOVA PRODUCTION FOR WGBH/BOSTON. Boston : [distributed by] WGBH Boston Video, c2001.  
AV 00251.

### ***Computational Biology – videocassettes***

ANALYSIS OF PROTEIN STRUCTURES AND INTERMOLECULAR INTERACTIONS [VIDEORECORDING] / CHRIS HOGUE ; MEDICAL ARTS AND PHOTOGRAPHY BRANCH. [Bethesda, Md. : National Human Genome Research Institute], 2002. Current topics in genome analysis ; 2002.  
AV 00234.

BIOLOGICAL DATABASES [VIDEORECORDING] : DEFINING AND BUILDING / FRANCIS OUELLETTE ; MEDICAL ARTS AND PHOTOGRAPHY BRANCH. [Bethesda, Md. : National Human Genome Research Institute], 2002. Current topics in genome analysis ; 2002.  
AV 00234.

### ***Evolution – videocassettes***

EVOLUTIONARY ANALYSIS [VIDEORECORDING] / FIONA BRINKMAN. [Bethesda, Md. : National Human Genome Research Institute], 2002. Current topics in genome analysis ; 2002.  
AV 00234.

***Genetics, Biochemical CD-ROM***

THE NEW GENETICS [ELECTRONIC RESOURCE] : MEDICINE AND THE HUMAN GENOME : MOLECULAR CONCEPTS, APPLICATIONS, AND RAMIFICATIONS / SARA L. TOBIN, ANN BOUGHTON. [San Francisco, Calif.] : Twisted Ladder Media, c2000.  
AV 00256.

***Genome – videocassettes***

MINING GENOMIC INFORMATION [VIDEORECORDING] / TYRA WOLFSBERG ; MEDICAL ARTS AND PHOTOGRAPHY BRANCH. [Bethesda, Md. : National Human Genome Research Institute], 2002. Current topics in genome analysis ; 2002.  
AV 00234.

***Microsoft Outlook videocassettes***

LEARNING OUTLOOK 2000 [VIDEORECORDING]. Provo, UT : KeyStone Learning Systems, c1999.  
AV 00255.

***Neovascularization, Pathologic – drug therapy videocassettes***

CANCER WARRIOR [VIDEORECORDING] / WRITTEN, PRODUCED AND DIRECTED BY NANCY LINDE ; A NOVA PRODUCTION FOR WGBH/BOSTON. [Boston?, Mass.] : WGBH Video, c2001.  
AV 00252.

***Physician-Patient Relations – videocassettes***

DOCTOR-PATIENT RELATIONSHIP [VIDEORECORDING]. Science in the cinema ; April 2002.  
AV 00254.

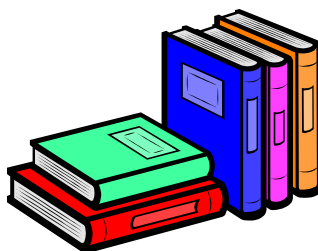
***Science – Biography – videocassettes***

MADAME CURIE AND OTHER WOMEN IN SCIENCE [VIDEORECORDING]. Science in the cinema ; May 2002.  
AV 00253.

***Sequence Analysis – videocassettes***

PREDICTIVE METHODS I [VIDEORECORDING] : DNA SEQUENCES / ANDY BAXEVANIS ; MEDICAL ARTS AND PHOTOGRAPHY BRANCH. [Bethesda, Md. : National Human Genome Research Institute], 2002. Current topics in genome analysis ; 2002.  
AV 00234.

PREDICTIVE METHODS II [VIDEORECORDING] : PROTEIN SEQUENCES / ANDY BAXEVANIS ; MEDICAL ARTS AND PHOTOGRAPHY BRANCH. [Bethesda, Md. : National Human Genome Research Institute], 2002. Current topics in genome analysis ; 2002.  
AV 00234.



## NEW REFERENCE MATERIALS

### ***Administrative agencies – United States – Directory***

Government Research Directory  
REF AS 25 .G721 2002

### ***Biological Warfare – prevention & control***

PDR GUIDE TO BIOLOGICAL AND CHEMICAL WARFARE RESPONSE / [EDITOR: DAVID W. SIFTON ; FOREWORD BY JOHN G. BARTLETT]. 1st ed. Montvale, NJ : Thomson/Physicians' Desk Reference, c2002.  
REF QW 300 .P348 2002.

### ***Biotechnology – Directory***

National Biotech Register  
REF TP 248.17 .N277 2002

### ***Legislation, Drug – United States***

CODE OF FEDERAL REGULATIONS. 21, FOOD AND DRUGS. Washington : Office of the Federal Register, National Archives and Records Service, General Services Administration : For sale by the Supt. of Docs., U.S. G.P.O.,  
REF KF 70 .A3 C66.

### ***Neoplasms***

THE CANCER HANDBOOK / EDITOR-IN-CHIEF, MALCOLM ALISON. London : Nature, 2002.  
REF QZ 200 .C21512 2002.

### ***Organic compounds – Spectra – Tables***

STRUCTURE DETERMINATION OF ORGANIC COMPOUNDS : TABLES OF SPECTRAL DATA. 3rd completely rev. and enl. English ed. / E. Pretsch, P. Buhlmann, C. Affolter. Berlin ; New York : Springer, c2000.  
**REF QC 462.85 .T313 2000.**

### ***Pharmaceutical Preparations – Terminology***

USP Dictionary of USAN and International Drug Names  
REF QV 772 .U11 2002

## NEW MONOGRAPHIC SERIES

Abstracts of the General Meeting of the American Chemical Society for Microbiology  
QW 9 .A1641

Abstracts of the National Meeting of the American Chemical Society  
QD 1 .A513 2002 v.223

Advances in Biochemical Engineering Biotechnology/Tools and Applications of Biochemical Engineering Science  
TP 248.3 .A38 2002 v.74

Advances in Genetics  
QH 426 .A244 2002 v.47

Annual Review of Immunology  
QW 504 .A615 2002 v.20

Annual Review of Pharmacology and Toxicology

QV 5 .A6151 2002 v.42

Cold Spring Harbor Symposia on Quantitative Biology / The Ribosome

QH 506 .C162r 2001 v.66

International Review of Cytology

QH 540 .I5 2002 v.217

International Review of Cytology/Molecular Mechanisms of Water Transport Across Biological Membranes

QH 540 .I5 2002 v.215

Linscott's Directory of Immunological and Biological Reagents

RES QW 526 .L759 2002/03

Progress in Industrial Microbiology/Biotransformations

QW 75 .P964 2002 v.36



## NEW BOOKS

### ***Angiogenesis Inhibitors – therapeutic use***

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### ***Antibodies, Neoplasm – therapeutic use***

TUMOR TARGETING IN CANCER THERAPY / EDITED BY MICHEL PAGE. Totowa, N.J. : Humana Press, c2002. Cancer drug discovery and development.

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### ***Antineoplastic Agents***

ANTICANCER DRUG DEVELOPMENT / EDITED BY BRUCE C. BAGULEY, DAVID J. KERR. San Diego : Academic Press, c2002.

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### ***Arenaviridae***

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EMERGING BACTERIAL PATHOGENS / VOLUME EDITORS, INGE MUHLDOERFER, KLAUS P. SCHAFFER.  
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BIOCHEMISTRY AND MOLECULAR BIOLOGY / WILLIAM H. ELLIOTT AND DAPHNE C. ELLIOTT. 2nd ed.  
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QU 4 .E46 2001.

***Biology – Bibliography.***

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DAVIS, PAMELA F. JACOBS. 3rd ed., rev. and expanded. New York : Marcel Dekker, c2002. Books in library and  
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Z 5320 .D261 2002.

***Breast Neoplasms – Laboratory Manuals***

METHODS IN MAMMARY GLAND BIOLOGY AND BREAST CANCER RESEARCH / EDITED BY MARGOT M.  
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***Computational Biology***

STATISTICAL METHODS IN BIOINFORMATICS : AN INTRODUCTION / WARREN J. EWENS, GREGORY R.  
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QH 506 .E94s 2001.

***Cystic Fibrosis – genetics – Laboratory Manuals***

CYSTIC FIBROSIS METHODS AND PROTOCOLS / EDITED BY WILLIAM R. SKACH. Totowa, N.J. : Humana  
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***Cytokines – therapeutic use***

CYTOKINE THERAPEUTICS IN INFECTIOUS DISEASES / EDITOR, STEVEN M. HOLLAND. Philadelphia :  
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MITOCHONDRIAL DNA : METHODS AND PROTOCOLS / EDITED BY WILLIAM C. COPELAND. Totowa, N.J. : Humana Press, c2002. Methods in molecular biology (Clifton, N.J.) ; v. 197.  
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***Drug Design***

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***Epidemiology, Molecular – methods – Laboratory Manuals***

MOLECULAR EPIDEMIOLOGY : A PRACTICAL APPROACH / EDITED BY MARY CARRINGTON AND A.R. HOELZEL. New York : Oxford University Press, 2001. Practical approach series ; 251.  
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***Evidence-Based Medicine – Resource Guides***

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THE STRUCTURE OF EVOLUTIONARY THEORY / STEPHEN JAY GOULD. Cambridge, Mass. : Belknap Press of Harvard University Press, 2002.  
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***Folic Acid Antagonists – therapeutic use***

ANTIFOLATE DRUGS IN CANCER THERAPY / EDITED BY ANN L. JACKMAN. Totowa, N.J. : Humana Press, c1999. Cancer drug discovery and development ; 4.  
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OXIDATIVE STRESS BIOMARKERS AND ANTIOXIDANT PROTOCOLS / EDITED BY DONALD ARMSTRONG. Totowa, N.J. : Humana Press, c2002. Methods in molecular biology (Clifton, N.J.) ; v. 186.  
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***Genetic Diseases, Inborn – genetics***

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***Genetic Engineering – Popular Works***

DARWIN'S RADIO / GREG BEAR. 1st ed. New York : Ballantine Pub. Group, 1999.  
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AN INTRODUCTION TO GENETIC ANALYSIS / ANTHONY J.F. GRIFFITHS ... [ET AL.]. 7th ed. New York : W.H. Freeman, c2000.  
QH 430 .S968 2000.

**Genetics, Biochemical**

MODERN GENETIC ANALYSIS : INTEGRATING GENES AND GENOMES / ANTHONY J.F. GRIFFITHS ... [ET AL.]. 2nd ed. New York : W.H. Freeman and Co., c2002.  
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SIGNALS, SWITCHES, REGULONS, AND CASCADES : CONTROL OF BACTERIAL GENE EXPRESSION / EDITED BY D.A. HODGSON, C.M. THOMAS. Cambridge : Cambridge University Press, 2002. Symposia of the Society for General Microbiology ; 61.  
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SMALL STRESS PROTEINS / A.-P. ARRIGO, W.E.G. MULLER (EDS.). Berlin ; New York : Springer, c2002. Progress in molecular and subcellular biology ; v.28.  
QH 506 .P9647 2002 v.28.

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AN INTRODUCTION TO SUPPORT VECTOR MACHINES : AND OTHER KERNEL-BASED LEARNING METHODS / NELLO CRISTIANINI AND JOHN SHAWE-TAYLOR. Cambridge ; New York : Cambridge University Press, 2000.  
Q 325.5 .C75 2000.

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HIGH RESOLUTION NMR : THEORY AND CHEMICAL APPLICATIONS / EDWIN D. BECKER. 3rd. ed. San Diego, CA : Academic Press, c2000.  
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**Models, Molecular**

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**Molecular Biology**

MOLECULAR BIOLOGY OF THE CELL / BRUCE ALBERTS ... [ET AL.]. 4th ed. New York : Garland Science, c2002.  
QH 581.2 .M718 2002.

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TUMOR MODELS IN CANCER RESEARCH / EDITED BY BEVERLY A. TEICHER. Totowa, N.J. : Humana Press, c2002. Cancer drug discovery and development.  
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CANCER PREVENTION : MOLECULAR MECHANISMS TO CLINICAL APPLICATIONS / EDITED BY MICHAEL P. OSBORNE. New York, N.Y. : New York Academy of Sciences, 2001. Annals of the New York Academy of Sciences ; v. 952.

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PAUL EHRLICH'S RECEPTOR IMMUNOLOGY : THE MAGNIFICENT OBSESSION / ARTHUR M. SILVERSTEIN ; WITH AN INTRODUCTION BY SIR GUSTAV NOSSAL. San Diego : Academic Press, c2002.

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PLATINUM-BASED DRUGS IN CANCER THERAPY / EDITED BY LLOYD R. KELLAND AND NICHOLAS P. FARRELL. Totowa, N.J.: Humana Press, c2000. Cancer drug discovery and development ; 7.

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THE PROTEIN PROTOCOLS HANDBOOK / EDITED BY JOHN M. WALKER. 2nd ed. Totowa, N.J. : Humana Press, c2002.  
QU 55 .P9678 2002.

***Proteins – metabolism***

PROTEIN DEGRADATION IN HEALTH AND DISEASE / MICHELE REBOUD-RAVAUX (ED.). Berlin ; New York : Springer, c2002. Progress in molecular and subcellular biology ; v.29.  
QH 506 .P9647 2002 v.29.

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INTRODUCTION TO PROTEOMICS : TOOLS FOR THE NEW BIOLOGY / BY DANIEL C. LIEBLER ; FOREWORD BY JOHN R. YATES, III. Totowa, NJ : Humana Press, c2002.  
QU 55 .L716 2002.

***Quantitative Trait***

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QU 25 .M5925 2002 v.195.

***Radioisotopes***

RADIOISOTOPES IN BIOLOGY : A PRACTICAL APPROACH / EDITED BY R.J. SLATER. 2nd ed. Oxford ; New York : Oxford University Press, 2002. Practical approach series ; 252.  
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RECEPTORS : STRUCTURE AND FUNCTION / EDITED BY CLARE STANFORD AND ROGER HORTON. 2nd ed. Oxford ; New York : Oxford University Press, 2001. Practical approach series ; 253.  
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SELECTIVE ESTROGEN RECEPTOR MODULATORS (SERMS) / EDITED BY MARIETTA ANTHONY, BARBARA K. DUNN, AND SHERRY SHERMAN. New York, N.Y. : New York Academy of Sciences, 2001. Annals of the New York Academy of Sciences ; v. 949.  
W 20.5 .A613 2001

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A NEW KIND OF SCIENCE / STEPHEN WOLFRAM. Champaign, IL : Wolfram Media, c2002.  
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BIOLOGICAL SEQUENCE ANALYSIS : PROBABALISTIC MODELS OF PROTEINS AND NUCLEIC ACIDS / RICHARD DURBIN ... [ET AL.]. Cambridge, UK : New York : Cambridge University Press, 1998.  
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## JOURNAL SUPPLEMENTS

### **American Journal of Epidemiology**

v.155 n.11 Suppl.

Society for Epidemiologic Research: Abstracts of the 35<sup>th</sup> Annual Meeting

Palm Desert, CA – June 18-21, 2002

### **American Journal of Medicine**

v.112 Suppl.8A

Atherosclerotic Cardiovascular Disease: New Approaches to Risk Assessment and Intervention

Thomas D. Giles, MD – guest editor

June 3, 2002

### **Annals of Oncology**

v.13 Suppl.1

Proceedings of the Fifth International Symposium on Hodgkin's Lymphoma

Cologne, Germany –

September 22-26, 2001

### **Anticancer Research**

v.22 n.1B

Abstracts of the 11<sup>th</sup> International Hamburg Symposium on Tumor Markers

Hamburg, Germany – January 27-29, 2002

### **Biopharm**

May 2002 Suppl.

Prions: Mayhem and Management

### **Bone Marrow Transplantation**

v.29 Suppl.2

EBMT 2002 – 28<sup>th</sup> Meeting of Physicians, 18<sup>th</sup>

Meeting of the Nurses Group and 1<sup>st</sup> Meeting of Data Management Group – Abstract Book

Montreaux, Switzerland –

March 24-27, 2002

### **British Journal of Haematology**

v.117 Suppl.1

Abstracts of the papers presented at the Annual Scientific Meeting of the British Society for Haematology

Brighton, UK – April 15-18, 2002

### **Chest**

v.121 n.5 Suppl.

COPD Symposium: Into the New Millennium  
May 2002

### **Chromatographia**

v.55 Suppl.

14<sup>th</sup> Bioanalytical Forum: Sensitive Bioanalysis in Anti-cancer and other Drug Areas

Guilford, UK – July 3-6, 2001

### **Clinical Chemistry**

v.48 n.S6

54<sup>th</sup> Annual Meeting AACC - Abstracts of Scientific Papers

Orlando, FL – July 28-August 1, 2002

### **Clinical Infectious Diseases**

v.34 Suppl.2

Emerging Infections in Asia

Tziou-Yien Lin, MD – guest editor

May 1, 2002

### **Clinical Infectious Diseases**

v.34 Suppl.3

The Need to Improve Antimicrobial Use in Agriculture: Ecological and Human Health Consequences – A Report of the Facts about Antibiotics in Animals and the Impact on Resistance (FAAIR) Project

Michael Barza, MD & Sherwood L. Gorbach, MD – guest editors

### **European Journal of Cancer**

v.38 Suppl.2

New Paradigms in the Treatment of Breast Cancer and Colorectal Cancer

February 2002

### **Experimental Hematology**

v.30 n.6 Suppl.1

31<sup>st</sup> Annual Meeting of the International Society for Experimental Hematology – Program and Abstracts  
Montreal, Canada – July 5-9, 2002

**Fertility and Sterility**

v.77 n.6 Suppl.5

2002 Guidelines for Gamete and Embryo Donation  
June 2002

**Gastroenterology**

v.122 n.4 Suppl.

Abstracts and Program - Digestive Disease Week and  
the 103<sup>rd</sup> Annual Meeting of the American  
Gastroenterological Association  
San Francisco, CA – May 19-22, 2002

**Gut**

v.50 Suppl.5

Guidelines for the management of oesophageal and  
gastric cancer  
June 2002

**Hormone Research**

v.57 Suppl.1

The Second International Novo Nordisk Symposium  
on Diabetes in Childhood and Adolescence  
Copenhagen, Denmark –  
May 31-June 2, 2001

**In Vitro Cellular and Developmental Biology**

v.38 Abstract/Program Issue

2002 Congress on In Vitro Biology  
Orlando, FL – June 25-29, 2002

**Journal of Allergy and Clinical Immunology**

v.109 n.6 Suppl.

Altering the Course of Asthma  
Stanley J. Szefer, MD – guest editor  
June 2002

**Journal of Cancer Research and Clinical  
Oncology**

v.128 Suppl.1

Scientific Proceedings (Abstracts)  
25<sup>th</sup> German Cancer Congress  
Berlin, Germany – March 10-14, 2002

**Journal of Cellular Biochemistry**

Suppl.38 2002

Stem Cell Biology and Gene Therapy  
Gary S. Stein – editor

**Journal of Infectious Diseases**

v.185 Suppl.2

Human Immunodeficiency Virus Management in the  
Highly Active Antiretroviral Therapy Era:  
Complications, Challenges, New Directions  
New Orleans, LA - September 7, 2000

**Journal of Nutrition**

v.60 n.5 pt.2

Indo-US Workshop on Nutrition and Health of  
Women, Infants, and Children  
Hyderabad, India – February 10-12, 2000

**Neurology**

v.58 n.9 Suppl.6

Diagnostic Challenges in Headache  
Robert G. Kaniecki, MD – guest editor  
May 14, 2002

**Pharmaceutical Biology**

v.39 Suppl. 2001

Ethnobotanical and Bioprospective Effects on Drug  
Discovery in the Next Millennium  
Marina Sansostri Ratchford & Mahabir P. Gupta –  
guest editors

**Pharmaceutical Biology**

v.40 Suppl. 2002

Controversies in Functional Foods  
Andreas I. Constantinou & Keith W. Singletary –  
guest editors

**Proceedings of the National Academy of  
Sciences**

v.99 Suppl.2

Papers from the Arthur M. Sackler Colloquium of the  
National Academy of Sciences – Nanoscience:  
Underlying Physical Concepts and Phenomena  
April 30, 2002

**Proceedings of the National Academy of  
Sciences**

v.99 Suppl.3

Sackler Colloquium on Adaptive Agents, Intelligence,  
and Emergent Human Organization: Capturing  
Complexity through Agent-Based Modeling  
May 14, 2002

**Seminars in Hematology**

v.39 n.2 Suppl.1

Arsenic Trioxide as a Selective Anticancer Agent:  
Rationale and Clinical Utility  
Martin S. Tallman – guest editor  
April 2002

**Seminars in Oncology**

v.29 n.2 Suppl.5

Pemetrexed, a Novel Multitargeted Antifolate:  
Current Development and Future Directions  
Paul A. Bunn, Jr, MD and Hilary Calvert, MBBS,  
PhD – guest editors  
April 2002

**Seminars in Oncology**

v.29 n.2 Suppl.6

Progress in Rituximab Therapy for Non-Hodgkin's  
Lymphoma  
April 2002

**Seminars in Oncology**

v.29 n.3 Suppl.7

New Applications of Cancer Immunotherapy  
Sanjiv S. Agarwala, MD – guest editor  
June 2002

**Tissue Antigens**

v.59 Suppl.

XIII International Congress of Histocompatibility and  
Immunogenetics  
Seattle, WA – May 18-22, 2002

**Transplantation**

v.73 n.9 Suppl.

Patient Management by Neoral C2 Monitoring: From  
Science to Practice  
May 15, 2002

**Urology**

v.59 n.5A

Lower Urinary Tract Function: From Target to  
Therapy  
Paul Abrams, MD – guest editor  
Ventura, FL – May 4-6, 2001

**Virology**

v.20 Suppl.2

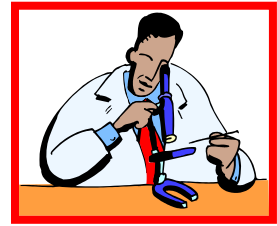
Fifty Years of Influenza Surveillance: A Challenge for  
the 21<sup>st</sup> Century  
M.E. Kitler, D.Lavanchy & A.D.M.E. Osterhaus –  
guest editor  
Geneva – February 17-19, 1999



# SCILIB THEATER



PRESENTS



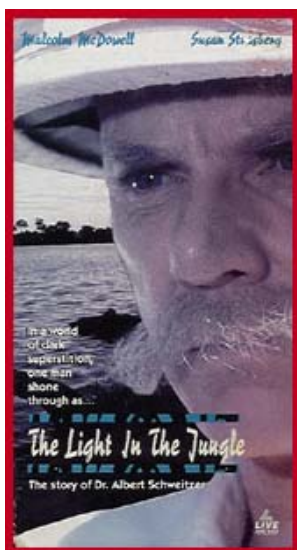
## “Science in the Cinema”

Tuesday, August 20 at 11:30 a.m.

BLDG. 549, AUDITORIUM

NOW SHOWING

## “The LIGHT IN THE JUNGLE”



Starring: Malcolm McDowell & Susan Strasberg

**Not Rated**

**A brief discussion will begin at 1:00 p.m.**

**with guest speaker**

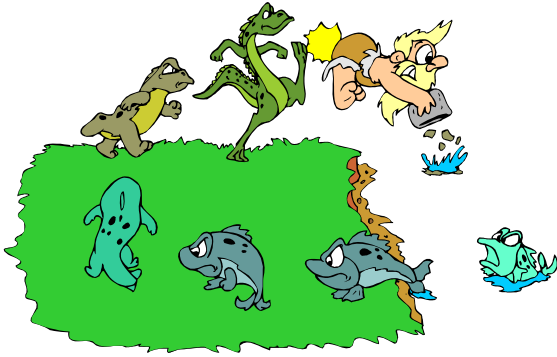
*Mr. Philip Roessler*

former Werner H. Kirsten Student Intern

at NCI-Frederick and

Co-founder of Outreach Kenya

Development Volunteers



# EVOLUTION

## Video Program

During the summer the Scientific Library is showing a videotape series entitled “EVOLUTION.” The weekly programs are held in the Auditorium of Building 549, starting at 9:30 a.m. Each video will run 1 hour, except for the first weekly program, which will run 2 hours. Please check the schedule below for dates and specific titles. Following the completion of the programs, the videotapes will be available for checking out of the Library.

THURSDAY, JUNE 27, 2002 (Please note this video runs for 2 hours)

[Darwin's Dangerous Idea](#) – an introduction to Darwin, his life, and his incredible theory

THURSDAY, JULY 11, 2002

[Great Transformations](#) – a look at life's diversities and changes

WEDNESDAY, JULY 17, 2002 (Please note the different day of the week)

[Extinction!](#) – an exploration of five historical mass extinctions, and a possible future one

THURSDAY, JULY 25, 2002

[Evolutionary Arms Race](#) – an overview of man's “arms race” with microorganisms

THURSDAY, AUGUST 1, 2002

[Why Sex?](#) – an explanation of the power and importance of sex

THURSDAY, AUGUST 8, 2002

[The Mind's Big Bang](#) – an outline of the emergence of the human mind

THURSDAY, AUGUST 15, 2002

[What About God?](#) – a search for a balance between religion and science