



Duke University Medical Center Library News

February 2000

Issue #268

Black History Month: A Medical Perspective Chronology of Achievements of African Americans in Medicine

- 1721 - **Onesimus**, an enslaved African, describes to Cotton Mather the African method of inoculation against smallpox.
- 1837 - **Dr. James McCune Smith** graduates from the University of Glasgow, becoming the first African American to earn a medical degree.
- 1862 - **Freedmen's Hospital is established** in Washington, D.C., and is the only federally-funded health care facility for Negroes in the nation.
- 1864 - **Dr. Rebecca Lee Crumpler**, the first Negro female to earn a medical degree, graduates from New England Female Medical College, Boston.
- 1867 - **Robert Tanner Freeman** is one of the first six graduates in dental medicine from Harvard University, thus becoming the first African American to receive an education in dentistry and a dental degree from an American medical school. (Freeman was born in 1847 to slave parents in North Carolina.)
- 1868 - Washington, D.C.: **Howard University, established** for the purpose of educating Negro doctors, opens to both Negro and White students, including women.
- 1878 - **Dr. James Francis Shober** earns his M.D. from Howard University School of Medicine, Washington, D.C., and later becomes the first known Negro physician with a medical degree to practice in North Carolina.
- 1879 - **Mary Eliza Mahoney** becomes the first African-American professional nurse, graduating from the New England Hospital for Women and Children (now Dimock Community Health Center), Boston.
- 1881 - Atlanta, Georgia: The **first school of record for Negro student nurses is established** at Spelman College.
- 1891 - Chicago, Illinois: **Dr. Daniel Hale Williams** establishes the Provident Hospital and Training School for Nurses, the first Black-owned and first interracial hospital in the United States. **Dr. George Cleveland Hall**, who helped organize the hospital, is made Surgeon-in-Chief. **Dr. Austin Maurice Curtis, Sr.** (a Raleigh, North Carolina native) becomes the hospital's first intern.
- 1893 - Provident Hospital, Chicago: **Dr. Daniel Hale Williams** performs the first successful operation on a human heart.
- 1895 - Atlanta, Georgia: **The National Medical Association is founded**, since Negroes are barred from other established medical groups.
- 1895 - Philadelphia, Pennsylvania: **Dr. Nathan Francis Mossell** founds the Frederick Douglass Memorial Hospital and Training School for Nurses.
- 1901 - Durham, North Carolina: **Dr. Aaron McDuffie Moore** convinces Washington Duke to donate money for the construction of Lincoln Hospital.
- 1908 - The **National Association of Colored Graduate Nurses (NACGN) is established**. (NACGN was dissolved in 1951, when its members voted to merge with the American Nurses Association.)
- 1917 - Camp Upton, New York: **Dr. Louis T. Wright** develops a better technique (intradermal injection) for vaccinating soldiers against smallpox.

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Duke University Medical Center Library

<http://www.mc.duke.edu/mclibrary/>

Monday - Friday 8:00 am - 12:00 am

Saturday 10:00 am - 6:00 pm

Sunday 12:00 noon - 12:00 am

Administration 660-1150

Circulation 660-1100

Information Desk 660-1111

ILL/Document Delivery 660-1135

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- 1927 - Boston, Massachusetts: **Dr. William Augustus Hinton** develops the Hinton test for diagnosing syphilis. (He later develops an improved version, the Hinton-Davies test, in 1931.)
- 1936 - **Dr. William Augustus Hinton's book**, *Syphilis and Its Treatment*, is the first medical textbook written by an African American to be published.
- 1938 - February: **Sara Delaney's** article entitled "Bibliotherapy in a Hospital" is published in *Opportunity* magazine. (Delaney, chief librarian at the U.S. Veteran's Administration Hospital in Tuskegee, Alabama, was a pioneer in the use of selected reading to aid in the treatment of patients.)
- 1940 - January, Columbia-Presbyterian Medical Center, New York: **Dr. Charles R. Drew** presents his thesis called "Banked Blood," which covers two years of blood research, including the discovery that plasma could replace whole blood transfusions.
- 1954 - **Dr. Peter Murray Marshall** becomes the president of the New York County Medical Society, becoming the first African American to lead a unit of the American Medical Association.
- 1967 - **Dr. Jane C. Wright**, pioneer in chemotherapy research and daughter of **Dr. Louis T. Wright**, is appointed an associate dean and professor of surgery at New York Medical College. At the time, the position as a dean is the highest post ever attained by an African-American woman in medical administration.
- 1987 - Baltimore, Maryland: **Dr. Ben Carson**, neurosurgeon, leads a seventy-member surgical team at Johns Hopkins Hospital to separate Siamese twins joined at the cranium.
- 1992 - August: **Dr. Mae C. Jemison**, the first Black female astronaut in NASA history, becomes the first Black woman in space, as part of SPACELAB J, a successful joint U.S. and Japanese science mission.
- 1993 - Ohio University College of Osteopathic Medicine, Athens: **Dr. Barbara Ross-Lee** becomes Dean and is the first African-American woman to head a United States medical school.
- 1993 - **Dr. Joycelyn Elders** is the first African American to be appointed as U.S. Surgeon General.
- 1997 - November 19, Des Moines, Iowa: **Drs. Paula Mahone** and **Karen Drake** are members of a team of forty specialists involved in the delivery of the McCaughey septuplets at Iowa Methodist Medical Center.
- 1998 - February 13: **Dr. David Satcher** is sworn in as both the Assistant Secretary for Health (ASH) and the Surgeon General of the U.S. Department of Health and Human Services.

Please be sure to visit our Black History Month virtual tour at <http://www.mc.duke.edu/mclibrary/hot/blkhist.html>.

If Not Here, Where?

Maurice Reece, Circulation Services

"The best way to the best information" is a primary goal of the Medical Center Library in its quest to serve the Duke medical community. Another goal is to provide services that enable patrons to expedite the completion of their daily tasks. To that end, the Library provides reference and research help; instructional classes; document delivery services; computers for database searching, word processing, and email communication; self-service photocopiers; laser printers; and other services that provide access to needed information.

After obtaining information, the library patron may need further assistance in turning it into a slide, digital scan, zipped file, fax, or a color copy or print. Medical Center Library staff are frequently asked about the availability of such services in the Library. Although these services are available to the Duke medical community, they are not presently offered at the Library. The following is a summary of some of these services and facilities provided by Duke University and the Medical Center for its students, faculty and staff.

☞ **Educational Media Services** (<http://ed-media.mc.duke.edu/index.htm>) - Fourth Floor, Orange Zone, South Clinics

Educational Media Services is advertised as "a one-stop shop" for providing media support to the teaching, research, patient care and service missions at Duke. For the various cost of the services offered, contact the individual section.

Medical Photography and Imaging (684-6159) offers on-site photography and portraiture, color photocopies, film processing and film supplies, copy photography for slides and prints, as well as making color prints and slides from electronic files, or converting slides and prints to electronic files.

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Instructional Television (681-4566) offers complete video production services, from concept stage through finished video. They also provide complete teleconferencing services and rental of equipment such as slide projectors and video/data projectors.

Medical Art (684-5220) provides services ranging from pen-and-ink illustration to the latest in computer creations, including Web-based programming. This is the place to go to have digital posters made or when you need graphics created for slides or prints.

Room Scheduling (684-3629) handles the scheduling for the use of some 14 conference rooms and lecture halls in Duke Hospital, the Bryan Research Lab, and the Medical Sciences Research Building.

☞ **Duke Publications Group** (<http://auxweb.duke.edu/pubgroup/>) - 3540 Kangaroo Drive, past the Post Office

The *Publications Group* (382-7000) provides printing services, as well as full print and graphic design. Anything to do with paper, printing, and bulk photocopying, from the beginning design stage through mailing, is their main focus. They can also convert print and graphic materials to digital format for use in other media.

☞ **Central Teaching Laboratory** (<http://som.mc.duke.edu/ctl/CentralTeachingLab.htm>) - Fourth Floor, Green Zone, Davison Building

The *Central Teaching Laboratory's* (684-5957) primary focus is undergraduate medical education, and at its center is an electronic training classroom with 25 computer terminals. The Central Teaching Laboratory (CTL) also has a computer cluster with 12 workstations, a typewriter, printer, and a couple of ports for plugging in personal laptops. This facility is available 24 hours a day, providing the patron has previously registered in advance for the after-hours combination code that unlocks the door to the cluster. Faculty members who teach core courses may also call upon the CTL for basic digital scanning services.

☞ **Devil's Duplicates** - Second Floor, Bryan Center, near the Post Office

If you are in a do-it-yourself mood and willing to pay a small fee, *Devil's Duplicates* (684-8383) may be the fastest and easiest way to get a quick color photocopy or scan an item onto a diskette. This copy center also provides access to a laser printer, zip drive, and binding service.


☞ **Medical Center Postal Service** - Lower Level, Yellow/Green Zone, Davison Building

The "mail room" (684-2009), as it is often referred to, is the obvious site for anyone who has to buy stamps or mail a package, but you can also send a fax from this facility or use their FedEx or Express Mail service.

☞ **Putting It All Together** ☞

After you have availed yourself of all the different services mentioned above, you might wish to share it with a wider audience by establishing your own Website.

A Web Hosting Service (<http://www.mc.duke.edu/mclibrary/services/webhost.html>) is one of the latest offerings by the Medical Center Library. This service is designed to help Duke individuals and departments establish and maintain their own Websites, using state-of-the-art server hardware and software. For more information, see the article on page 6 of this issue.



Be sure to bookmark our Website!
<http://www.mc.duke.edu/mclibrary/>

A New Structure For A Changing Environment

Pat Thibodeau, Acting Director

During the past year, the Library has been evaluating its role in the Medical Center and the future directions of our services and resources. Two areas of growing importance are access to electronic resources and expanded educational services. The Library has always had a strong tradition of quality services in both these areas, but we need to continue to expand and enhance these services. To do this, we started looking at ways to create a structure that would provide better staffing in these core areas and support future growth and development. Through some changes in staff and departments, we have strengthened our systems staff and created a more focused educational services unit.



Electronic Resource Services (ERS), formerly Learning Resources Services, has always been split between the worlds of technology and education. On the technology side, this department has collected multimedia programs and managed our Medical Library Education Center (MLEC) and its electronic classroom. The educational role has included collecting audiovisual and multimedia programs to support educational initiatives.

Through these activities, the existing ERS has also supported the Library's training programs offered by *Information and Education Services* (I&ES). The I&ES staff have provided our standard library training classes in addition to supporting our reference services. Rather than maintain two separate, but very intertwined departments, the Library has combined the ERS and education services components into a strong, more focused group. Now known as **Education Services**, this new unit is part of our broader division, Public Services.

While all Library staff will continue to be involved in our educational efforts, the new Education Services unit will be able to focus on our more formalized course offerings and customized programming, including evidence-based medicine (EBM), information management skills, and online learning. Education Services will also continue to build its expertise in educational technologies and work with other Duke University Medical Center (DUMC) and Duke University Health System (DUHS) units in identifying effective applications for teaching courses and developing Web-based training.

This change not only enhances our educational capabilities, but brings together all the educational resources under one group. **Julie Garrison**, formerly Head of ERS, will now serve as the manager of the new unit, as well as Assistant Head of Public Services. **Connie Schardt**, Educational Programs Coordinator, will join Educational Services along with **Anne Powers** from I&ES. Both have strong backgrounds in teaching information management skills and are involved in our current EBM training program. A new position will be added to this unit in a few months to enable the staff to pursue educational technologies. The Medical Library Education Center, multimedia workstations, and audiovisual and computer-assisted instruction collections will all fall under Education Services as well.

Access to information resources goes beyond purchasing electronic licenses to e-journals and databases. It also requires a strong technology infrastructure within the Library to maintain locally-mounted materials and Web and network services, as well as provide over 150 workstations for staff and patron use. In recognition of the importance of technology, **Derrick Vines**, the person responsible for maintaining the electronic classroom, has been transferred to the Systems department. Although his responsibilities will still include technology issues for the classroom, he now has an expanded role that includes working with the public machines throughout the Library. Derrick will also be available to assist with special systems projects and upgrades, as well as help with staff desktops.

These new structural changes are part of a continuing commitment to bring you high quality services that meet the changing needs of DUMC and DUHS.

Metadata: Why Websites Need It

Scott Garrison, Systems Interface Services

Optimizing information labeling and organization to enable your particular user bases to navigate your site efficiently and effectively can pay off in increased traffic. But there's much more to the Web than just what users see via their browsers. There are Common Gateway Interface (CGI) scripts that add value to content. More and more sites are using databases to contain and deliver content dynamically. It's in your best interest as a Webmaster to make your work easier through the use of advanced Web techniques. One important behind-the-scenes tool that can facilitate useful, value-added Web applications is **metadata**.

Think of metadata as "information about information." It sounds complicated, until you consider that we encounter metadata every day. In reading a non-fiction book, you absorb the information that the book contains. To get to the book's content, you usually skip past the Library of Congress publication information on the title page verso. If librarians didn't spend time creating catalog records to describe the "who" and "what" of our books and journals in an organized fashion, users would have a much harder time finding needed materials within library collections. The power of metadata is evident whenever you search an online catalog by title, author, or subject – individual books and journals are united in a list, created on the fly, by how they are related to each other and based on their catalog records, their metadata.

Over the past century, libraries have derived catalog record structures and controlled vocabularies (or subject lists, such as *MeSH* for MEDLINE searching) to make items accessible. We can also use these tools to compile information about a set of related items, such as a list of all journals to which we subscribe, arranged by publisher. The great thing about Web metadata is that technologists and librarians have combined their efforts over the last few years to support a standard that even non-librarians can apply. Prior to considering that standard, it's important to note that the World Wide Web Consortium's (W3C's) HTML specifications have included a <META> element for some time. It's possible to create your own metadata system within your Web documents' <HEAD> section that suits your needs; in fact, some metadata is better than none at all. The Duke University Medical Center Library (DUMCL) has started with a simple metadata structure on our own Website. If you view the HTML source for any of our pages, you'll find basic description, author, date, and keyword <META> elements. In the last iteration of our site development process, we implemented our own structure to help search engines index our pages, by more than just how many times we use a given word in a page.

One important limitation to DUMCL's current metadata is that it's primarily useful to search engines, and us – it was not designed to interoperate with other Websites, databases, or some of our own internal processes. **The Dublin Core** (<http://purl.oclc.org/dc/>) is a set of 15 metadata elements that can be HTML-encoded into Web and other types of documents and/or stored in a separate database. Elements include **title**, **creator** (person or organization), **subject** (based on a controlled vocabulary such as *MeSH*), **free text description**, **identifier** (e.g. URL), **relation** (e.g. a page within a site), and **rights** (copyright and other property information). Since the Dublin Core has standardized metadata and is in line with librarians' standard cataloging and the W3C's standard HTML elements, it can be collected and shared to add value to Web content across sites and applications.

DUMCL is embarking on a project with other North Carolina health sciences libraries to implement Dublin Core between our digital libraries (i.e. the Web representations of what we provide to our users). We're considering how best to harness the power of metadata via databases, very much like a catalog, from which we can generate dynamic content, and which our partners (such as MCIS) can use in other information systems environments.

Stay tuned to future "**net.work**" columns to learn more, or contact Scott Garrison (garri002@mc.duke.edu; 660-1197).

Web Hosting Services

The DUMC Library is renewing its commitment to provide high quality Web hosting services to the Duke community. When our service debuted in 1995, we set out to offer temporary Web hosting for Duke units that had not yet acquired Web hosting hardware and software. Currently, we host sites for approximately thirty Duke departments, divisions, centers, offices, and other units, including DUMC's main Website. In the beginning, we offered a directory on our server, links on the DUMC pages, and Web construction consultation. Over time, we have added ftp access to server directories, quarterly log analysis, periodic link checking and a search engine service. And we've offered all of these useful services and resources for an excellent price: no price at all!

To keep pace with the rapidly changing Web marketplace and work to accommodate our users' requests for additional services, we instituted a \$500 per year Web hosting service fee, effective July 1, 1999. This fee includes: Website consultation; two ftp accounts per unit on the server; one unique DNS alias per unit on the server (depending on availability); M-F, 8am-8pm operational failure support coverage; critical system components including robust server backup and restoration; search engine service including weekly indexing of your site; quarterly statistics reports; and monthly link check reports.

In addition to a very competitive service fee, there are several other benefits to using our hosting services. If you'd like more information about the Library's Web hosting services, please contact **Scott Garrison** in Systems Interface Services (garri002@mc.duke.edu; 660-1197).

New Journal Subscriptions

Judy Woodburn, Serials & Special Projects

Alternative Medicine Review 2000--
Audiology & Neuro-Otology 1998--
Cytokine & Growth Factor Reviews 1998--
Ear & Hearing 1998--
Effective Clinical Practice 1999--
Ethnicity & Health 1999--
European Cytokine Network 1999--
Integrative Medicine 1998--
International Journal of Tuberculosis & Lung Disease 1999--
Journal of Alternative & Complementary Medicine 2000--
Journal of Cardiac Failure 1999--
Journal of Genetic Counseling 2000--
Journal of Immigrant Health 2000--
Journal of Occupational Rehabilitation 1998--
Journal of Sleep Research 1999--
Journal of the Society of Laparoendoscopic Surgeons 2000--
Journal of Strength & Conditioning Research 1999--
Journal of Telemedicine & Telecare 1999--
Nature Cell Biology 1999--
Nature Neuroscience 1998--
Neuro-Oncology 1999--
Pharmacopsychiatry 1999--
Respiratory Care Clinics 1999--
Seminars in Ophthalmology 1999--
Seminars in Radiation Oncology 1999--
Transfusion Medicine 2000--
Transfusion Medicine Reviews 1999--

Appropriate Use of Electronic Resources

Eric Albright, Public Services

The Medical Center Library is proud to offer more than 700 full text journals and textbooks, accessible 24 hours a day from any Duke computer. The purpose of these collections is to assist you in your professional and educational activities, and we will continue to expand these resources. When the Library makes a title available to you, we have negotiated a license with the publisher and have agreed to certain principles. In general, these principles follow the basic copyright guidelines, and our agreement requests that you follow them as well.

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Please follow these simple guidelines, so that we will be able to continue this service in the future.



Library Educational Offerings



The following classes will be held in the Medical Library Education Center (MLEC), Room 104 on the Lower Level of the Library.

Database Classes

MEDLINE: Using the Web Gateway

(Registration not required)

Participants are not expected to have used Ovid but should be familiar with the Internet and Netscape

3:00 pm - 4:30 pm

Wednesday, February 23

11:00 am - 12:30 pm

Wednesday, March 8

3:00 pm - 4:30 pm

Thursday, March 23

Internet Classes

Registration is required. Sign-ups will be accepted by phone at 660-1124, via email sent to Connie Schardt, Education Services, at schar005@mc.duke.edu, or via the Web at <http://www.mc.duke.edu/mclibrary/services/regform.html>.

Gathering Information from the World Wide Web

10:00 am - 12:00 pm

Thursday, February 17

Tuesday, March 14

Information Management Classes

Basics of Library Use

(Individual and Group Sessions)

Call Betsy Adams, 660-1131

Grant Information on the Web

~ COS, SPIN and Other Resources ~

(Individual and Group Sessions)

Call Anne Powers, 660-1126

Introduction to Reference Manager/EndNote

(Individual and Group Sessions)

Call Andy Eisan, 660-1128

Introduction to Sources for Health Statistics

(Individual and Group Sessions)

Call Hattie Vines, 660-1125

Self-Instruction

Ovid Web Tutorial

Interactive, 40-minute tutorial designed to show you step-by-step the basic components of a MEDLINE search using the Ovid Web Gateway

<http://www.mc.duke.edu/mclibrary/respub/guides/ovidtut/>

Internet Tutorial

Web-based tutorial designed to introduce you to the Internet and searching for information on the Web.

<http://www2.mc.duke.edu/misc/cs/intertut/webintro.html>

Virtual Tour of the Library

This online tour provides you with information about the Medical Center Library, its collections and services, and where to find them within the building

<http://www.mc.duke.edu/mclibrary/about/vt/>

For the most current class schedule, connect to the Library's Website at <http://www.mc.duke.edu/mclibrary/services/schedule.html>.

Duke University Medical Center Library News is published bimonthly.

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