NLM Technical Bulletin

National Library of Medicine | National Institutes of Health

Table of Contents

Issue Completed August 27, 2009

NLM Technical Bulletin
National Library of Medicine | National Institutes of Health

July 10, 2009 [posted]

Recent Activity Extended with My NCBI

The Recent Activity feature displays your last five interactions with PubMed® and other databases. This feature has been expanded to record up to six months of activity in My NCBI. Activity is recorded while you are signed in to My NCBI and includes recent PubMed searches and AbstractPlus views. Recent Activity on the search results screen will soon be updated to include a direct link to My NCBI Recent Activity. For now, find it using the link on the My NCBI Home screen (see Figure 1).

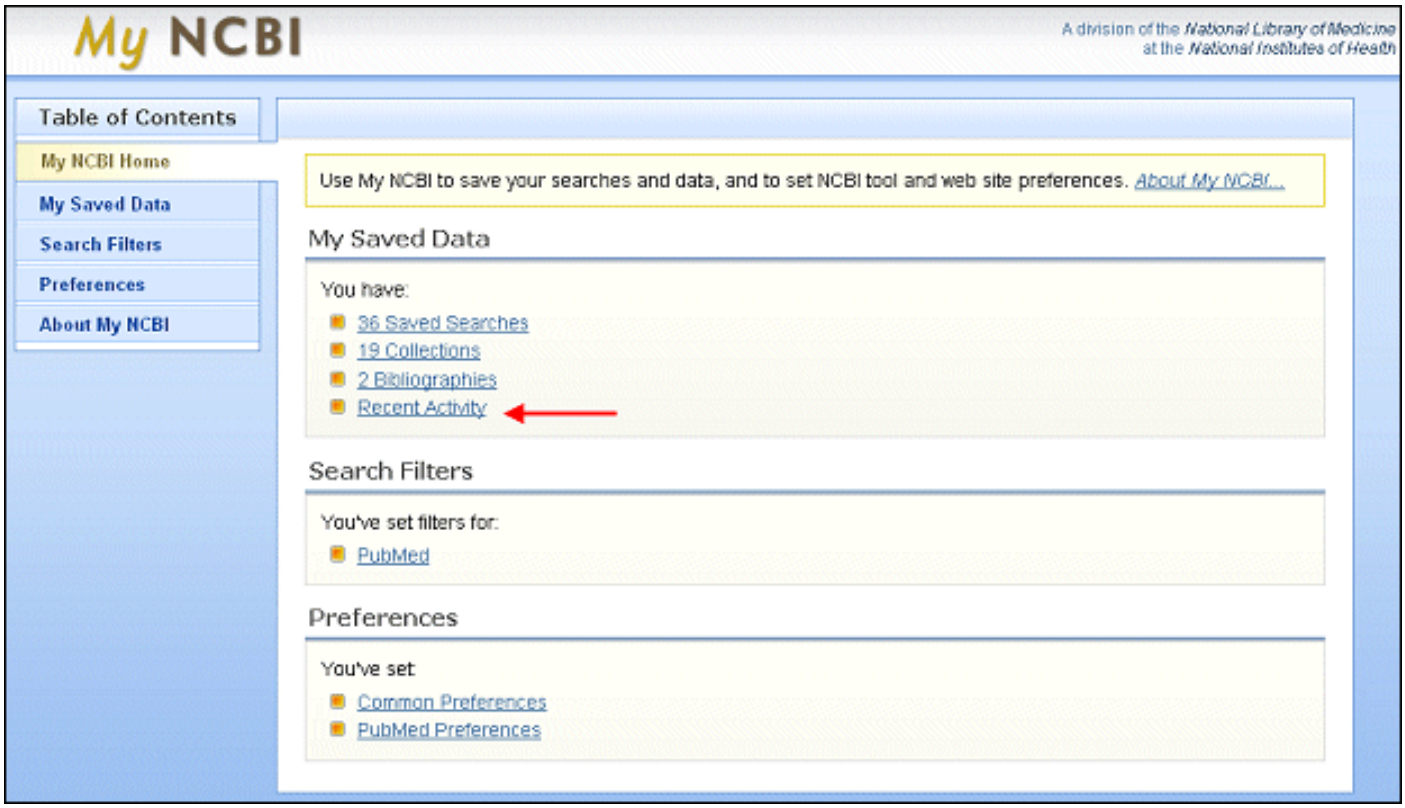


Figure 1: Link for Recent Activity on the My NCBI Home screen.

This feature is valuable for finding searches and document views no longer in History which expires after eight hours of inactivity or if cookies are deleted. If, for example, you need to return to a search you did last

week, you can find a link for it in My NCBI Recent Activity and run the search. Or, in another example, if you want to re-read an abstract you found last month in PubMed, you can find a link to it in My NCBI Recent Activity (see Figure 2).

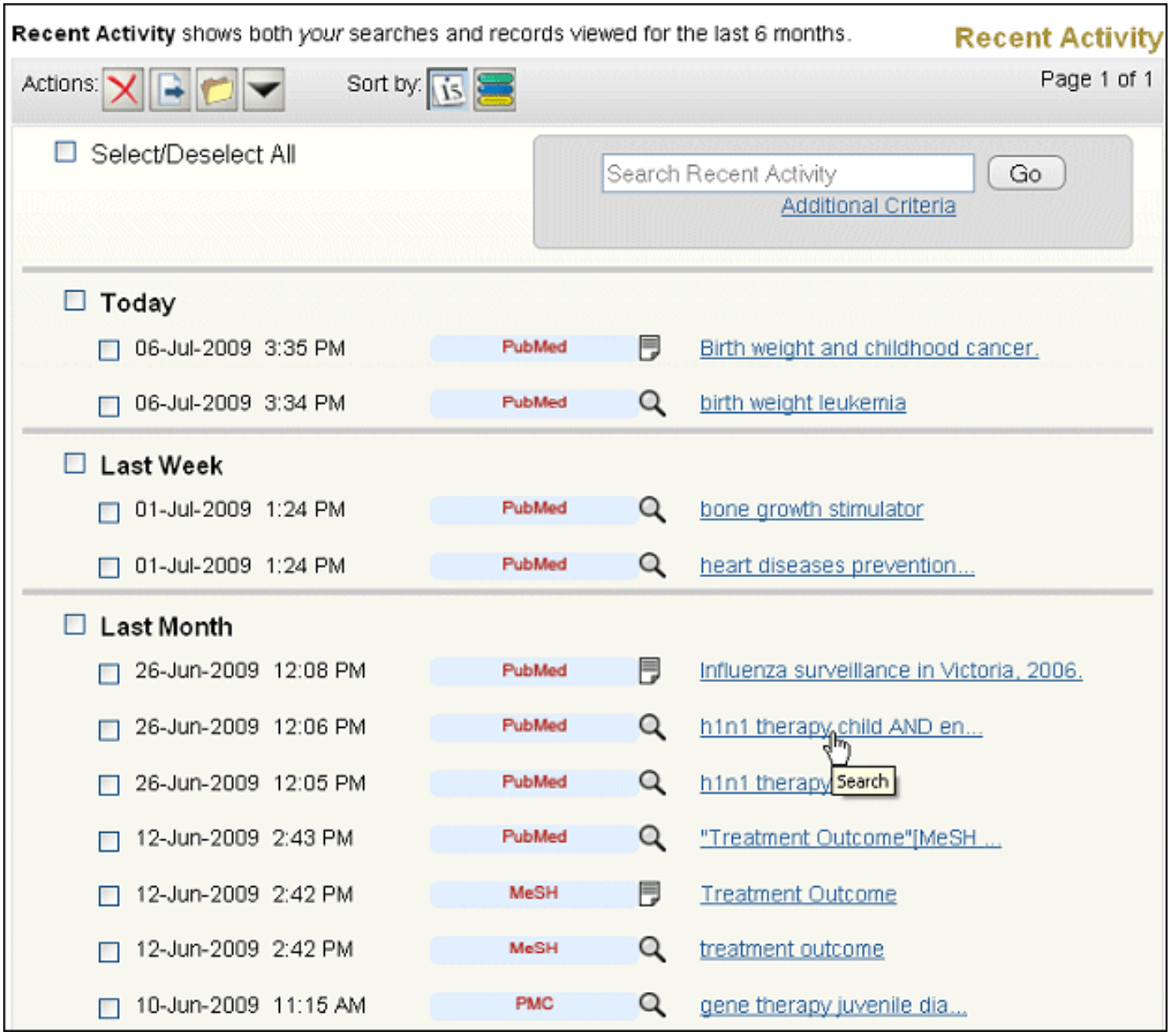


Figure 2: Use the link for the entry to run a search or revisit a record.

Recent Activity entries are sorted by date, or you can change the sort to application (i.e., database). Check boxes let you select items, by date group, or individual items for the following actions:

- Remove Entries
- Create Saved Search
- Move to Collection

- More Options — this includes Clear (delete current entries) and Turn Off (stop recording). These features are also available on the search results display of Recent Activity.

Recent Activity has a search function. The default search is for entry titles. Clicking on "Additional Criteria" gives more options, i.e., to search within documents and search results, and to limit the search to queries or all records in Recent Activity (see Figure 3).

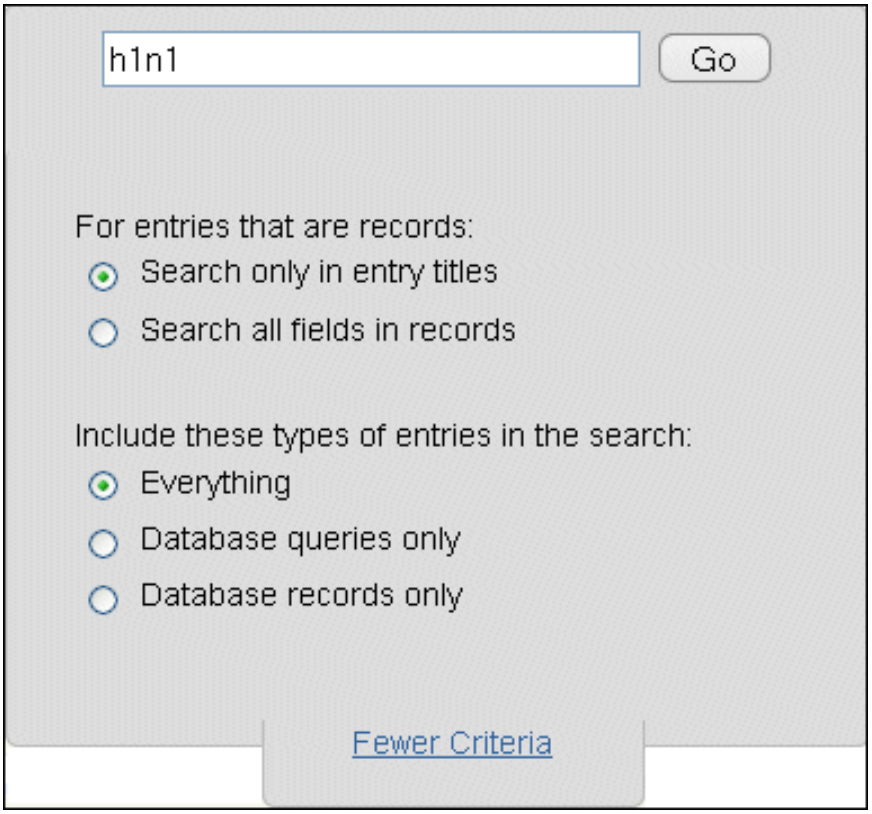


Figure 3: Search feature for Recent Activity.

Notes about Recent Activity

- If PubMed has been used on a computer and within eight hours someone signs in to My NCBI, the last five interactions may be recorded in My NCBI.
- Searches cannot be combined within Recent Activity. To combine searches, click on the links to run them in PubMed. Use the History feature's capability to combine searches.
- Items older than six months will be removed from Recent Activity. Consider moving searches you want to keep to a saved search, and document views to a collection.

By Annette M. Nahin
MEDLARS Management Section

NLM Technical Bulletin
National Library of Medicine | National Institutes of Health

July 14, 2009 [posted]

DOCLINE® 4.0: The Next Generation of Serial Holdings

On June 23, 2009, the U.S. National Library of Medicine® (NLM®) released DOCLINE 4.0. DOCLINE is the NLM automated interlibrary loan requesting system. The system provides nearly 3,000 health science libraries in the National Network of Libraries of Medicine® (NN/LM®), Canada, Mexico, and other selected international libraries, with the means to request the interlibrary loan of biomedical literature.

The new version contains a key enhancement of the Serial Holdings module requested by users. It also introduces simplified serials title searching, modified screen designs to improve the display and editing of serial holdings records, search filtering by acquisition status, and a new function called Show All My Holdings which allows authorized users to display a list of all of their library's holdings for efficient review and update.

DOCLINE 4.0 supports Internet Explorer 8, in addition to Internet Explorer 7 and Firefox 3. In keeping with the NLM policy to support only the latest two major versions of Internet Explorer, DOCLINE support for Internet Explorer 6 will end on August 31, 2009.

Show All My Holdings

DOCLINE 4.0 adds several major enhancements to the Serial Holdings functionality. The most significant addition is the new Show All My Holdings function (see Figure 1) which allows users with update rights to display a list of all of their library's serial holdings.

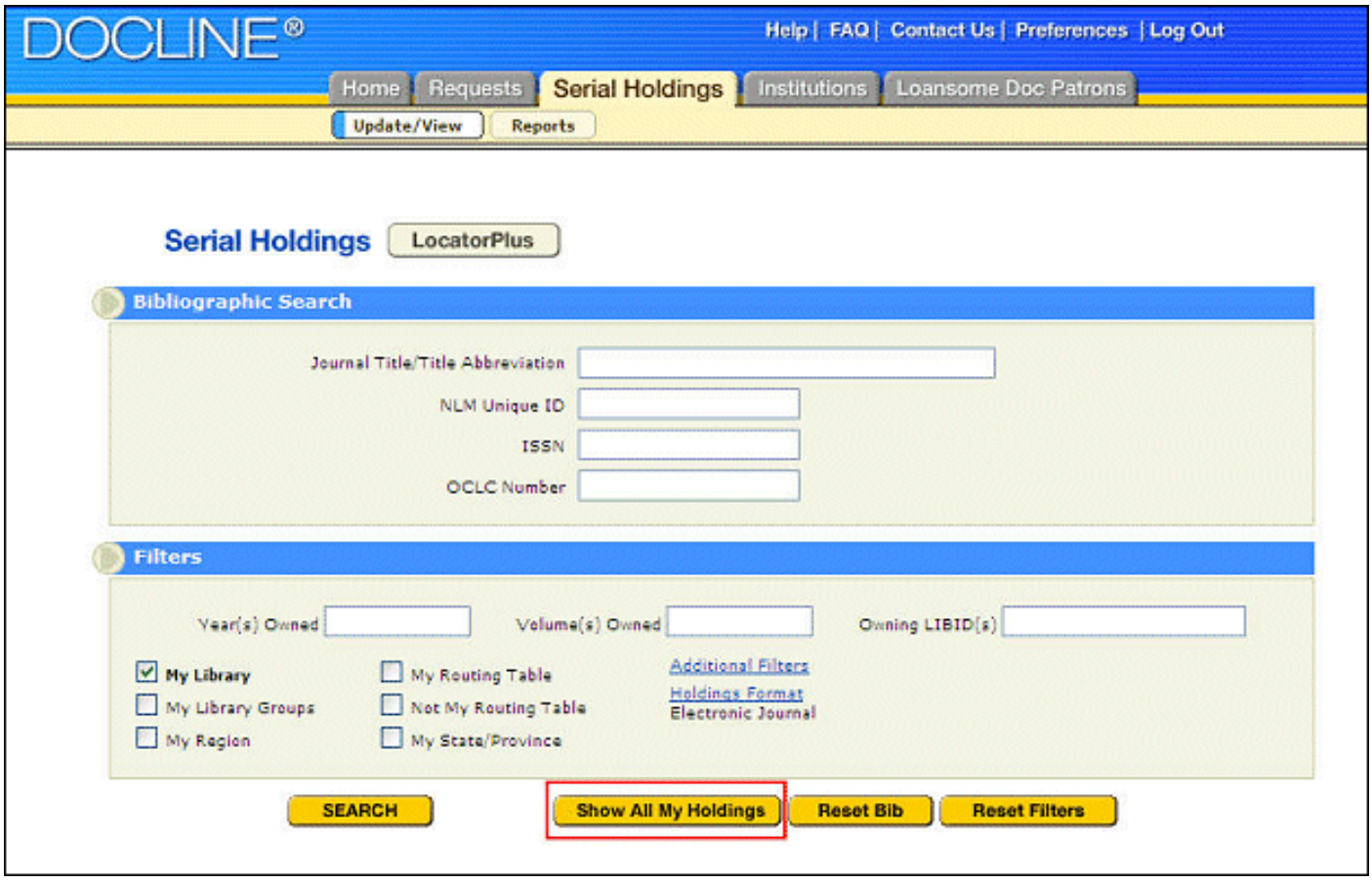


Figure 1: Serial Holdings Search with New Show All My Holdings Feature.

Libraries can focus on a subset of titles for review and editing by using the search filters. For example, users can use the Show All My Holdings feature to list all of their electronic journals (see Figure 2). In the past, libraries had to search title by title in order to update their holdings.

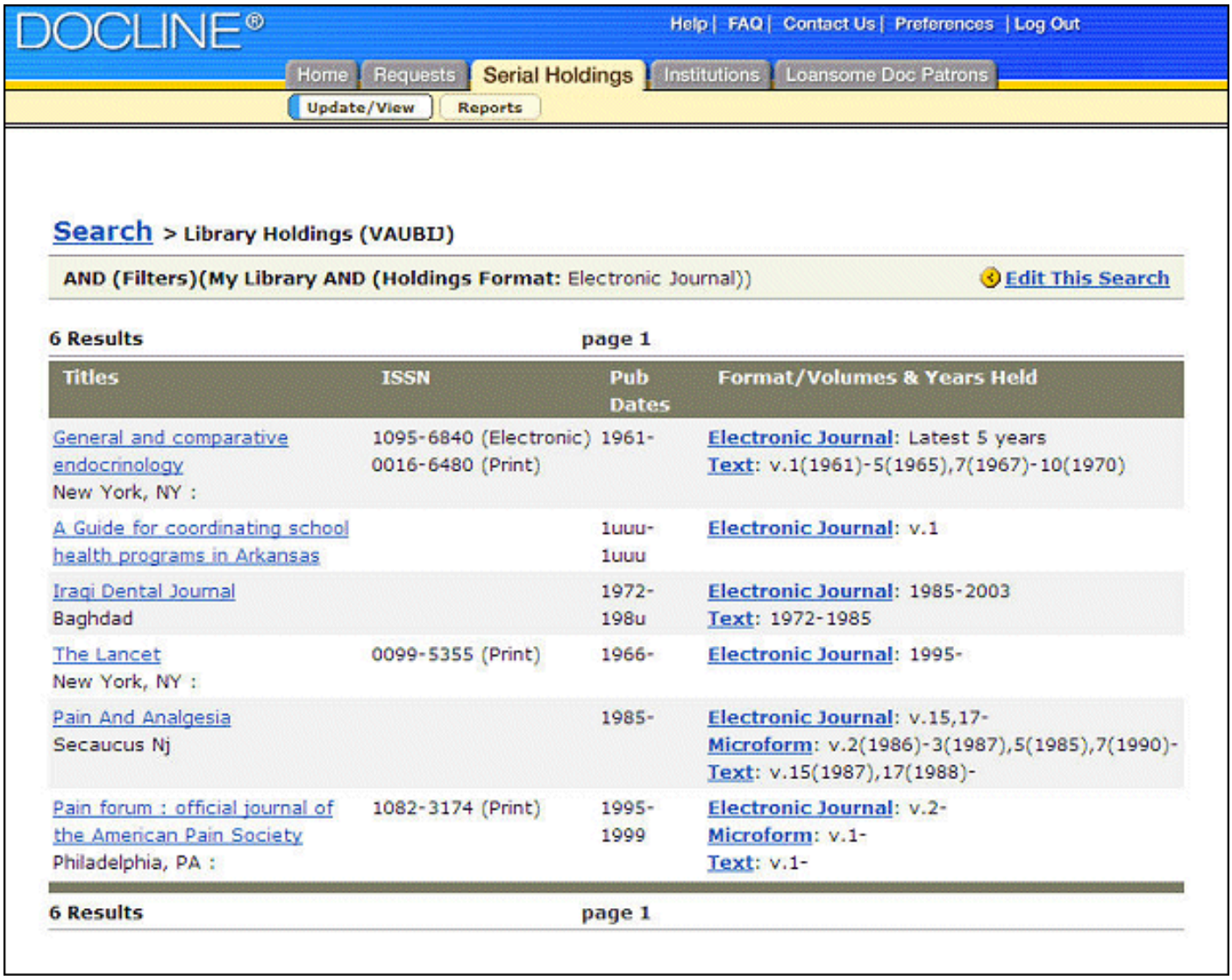


Figure 2: Show All My Holdings List of Titles, Limited to Titles with Electronic Journal Holdings.

Searching and Editing Serial Holdings

In this version, NLM modified serial holdings search to be left-anchored. Thus, title searches will now automatically retrieve all bibliographic records for titles that start with the search term entered. For example, a search for "pain" will retrieve all serial titles that begin with "pain" including "Pain," "Pain and headache," "Pain clinic," etc. All limits on the number of serial titles and library holdings returned in the search results were eliminated, and new screen designs were introduced for the display of serial titles and serial holdings results (see Figure 3).

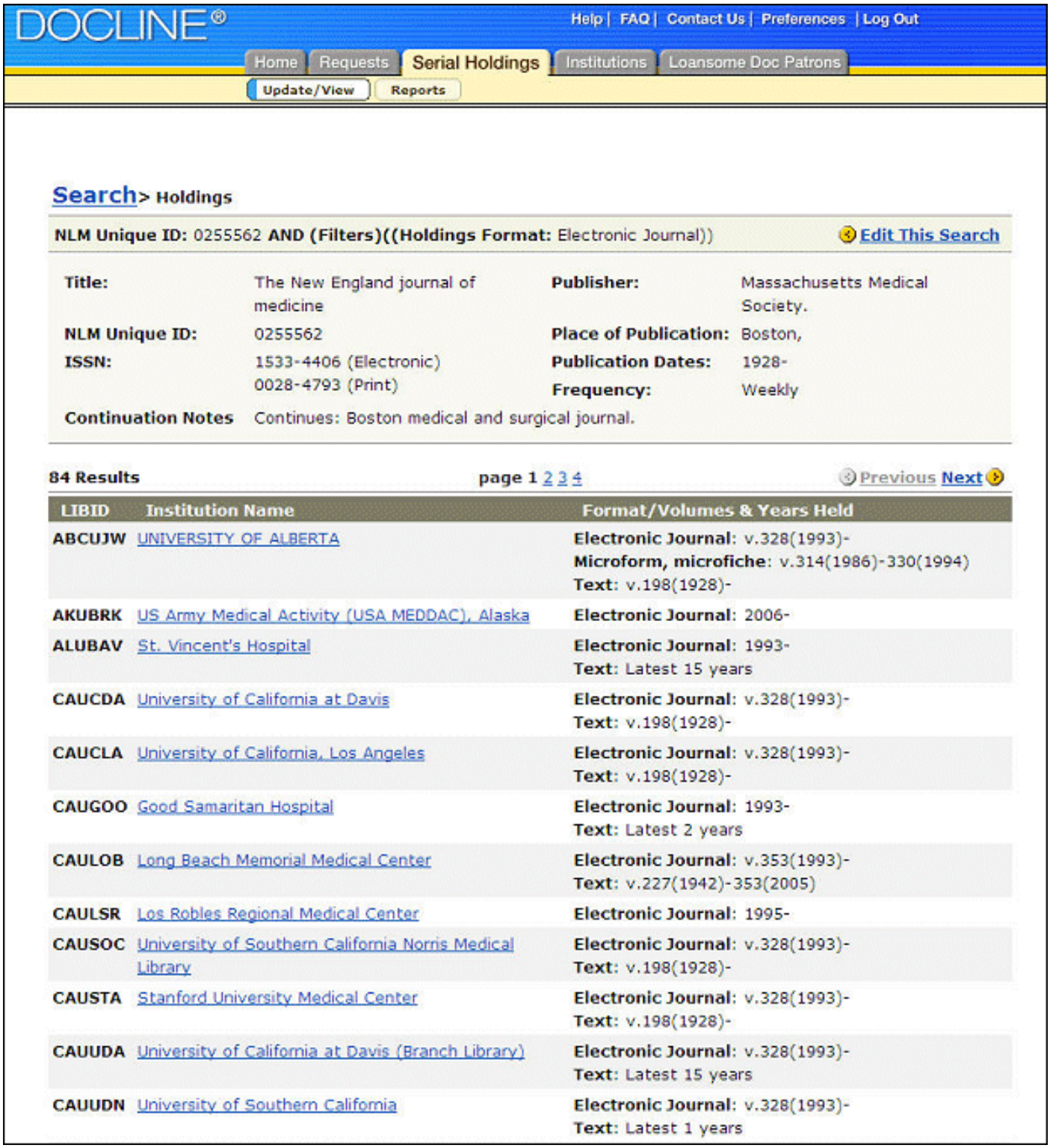


Figure 3: Holdings Results List.

In addition, a search filter for acquisition status was added on the Additional Filters page so that users can limit their search to libraries with holdings that are "Currently received" or "Not currently received."

The revised Edit screen presents bibliographic and holdings information in a more streamlined view (see

Figure 4). The Edit screen allows users to select the most commonly used holdings formats (see Figure 4, item 1) of Text (tu), Electronic Journal (cr), and Microform (hu). Less frequently entered formats can be selected from the "Other" drop-down list.

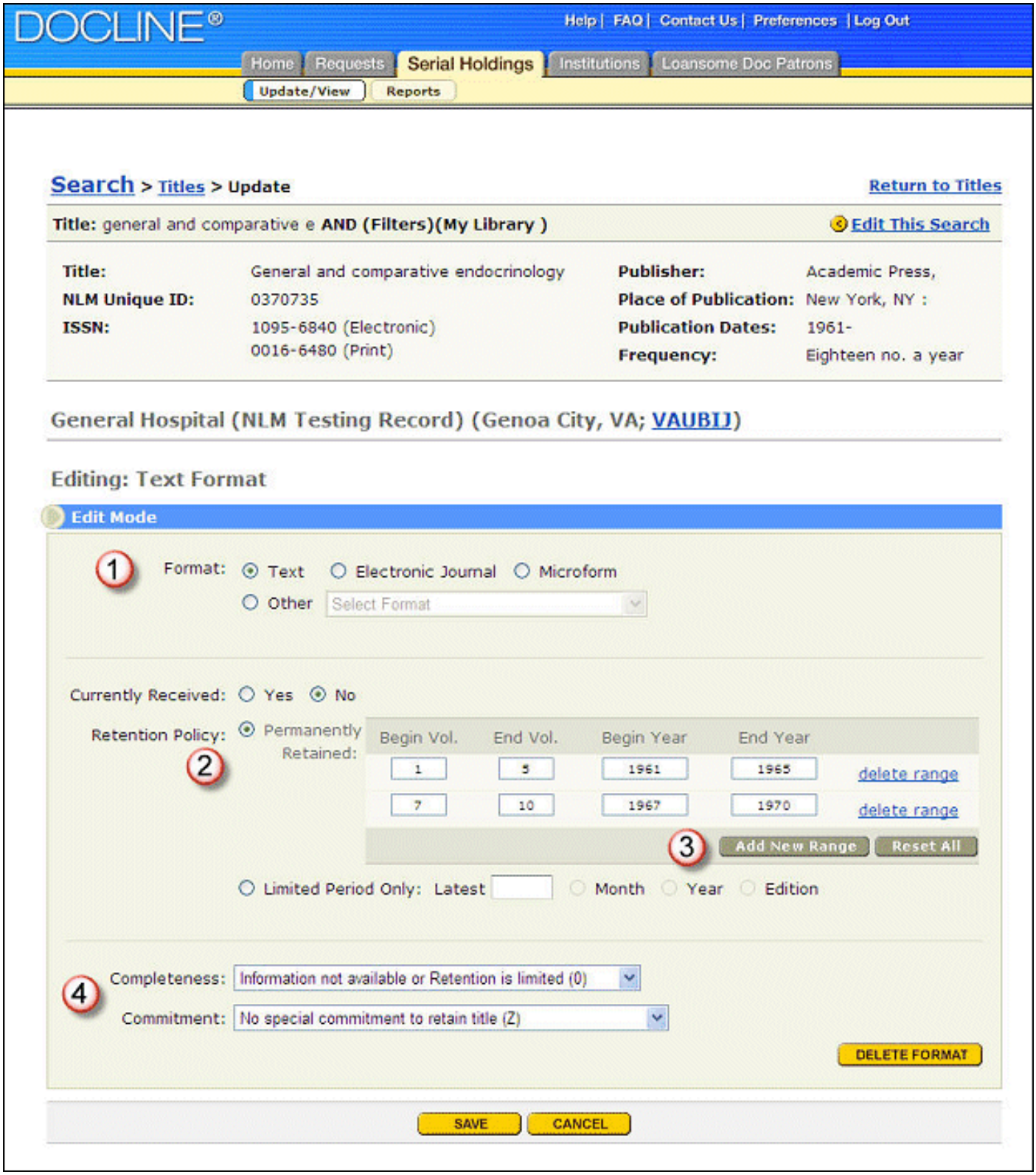


Figure 4: Edit Screen.

The new Edit screen also makes it easier to distinguish between permanently retained holdings or limited retention holdings (see Figure 4, item 2). For permanently retained holdings, the "Add New Range" button (see Figure 4, item 3) makes it easy to indicate gaps in holdings. Users can easily indicate how complete their holdings are and their library's commitment to retain the title (see Figure 4, item 4).

By Deena Acton
Technical Services Division
and
Maria Elizabeth Collins
Public Services Division

Acton D, Collins ME. DOCLINE® 4.0: The Next Generation of Serial Holdings. NLM Tech Bull. 2009 Jul-Aug;(369):e2.

July 24, 2009 [posted]

NLM® Resource: Updated Mortality Data in TOXMAP®

[Editor's Note: This is a reprint of an announcement published on NLM-Tox-Enviro-Health-L, an e-mail announcement list available from the NLM Division of Specialized Information Services. To subscribe to this list, please see the NLM-TOX-ENVIRO-HEALTH-L Join, Leave, or Change Options page.]

TOXMAP now has updated mortality data and a new look for its News.

Other TOXMAP updates include:

- the ability to enter map descriptions to saved search results
- a TOXMAP widget and
- a TOXMAP toolbar.

The TOXMAP widget allows you or your users to launch a TOXMAP search from your blog, wiki, or Web page. Enter a ZIP code into the widget to see a map of Toxic Release Inventory (TRI) facilities and Superfund National Priorities List (NPL) sites, or click "More info" to go to the TOXMAP homepage.

The TOXMAP Toolbar lets you search TRI releases, Superfund NPL sites by contaminant, or TRI facilities and Superfund NPL sites by ZIP code-- all from your browser search box.

TOXMAP is a Geographic Information System from the Division of Specialized Information Services of the US National Library of Medicine® that uses maps of the United States to help users visually explore data from the US Environmental Protection Agency Toxics Release Inventory and Superfund Program.

NLM® Resource: Updated Mortality Data in TOXMAP. NLM Tech Bull. 2009 Jul-Aug;(369):e3.

August 05, 2009 [posted]

Papers of Adrian Kantrowitz Added to Profiles in Science®

An extensive selection from the papers of surgeon Adrian Kantrowitz (1918-2008) has been added to the NLM® Profiles in Science® Web site under the Biomedical Research section. With this addition, there are twenty-nine prominent researchers, clinicians, public health officials, and promoters of medical research whose personal and professional records presented on Profiles.

Best known for performing the world's second human heart transplant, Kantrowitz was also a leading surgeon-inventor who developed bioelectronic devices such as cardiac pacemakers, mechanical left heart devices, and the intraaortic balloon pump.

"Adrian Kantrowitz was a gifted innovator who repeatedly expanded the boundaries of both cardiac surgery and medical technology. His inventions, especially those providing counterpulsation to the heart, have saved thousands of lives," said Donald A. B. Lindberg, MD, director of the National Library of Medicine®.

Papers of Adrian Kantrowitz Added to Profiles in Science®. NLM Tech Bull. 2009 Jul-Aug;(369):e4.

NLM Technical Bulletin
National Library of Medicine | National Institutes of Health

August 07, 2009 [posted]

Electronic Health Record Resources Added to Special Queries

The NLM® Special Queries page now includes a link to a new subject page on Electronic Health Records (EHR).

The US Department of Health and Human Services defines an electronic health record as "An electronic record of health-related information on an individual that conforms to nationally recognized interoperability standards and that can be created, managed, and consulted by authorized clinicians and staff across more than one health care organization."

The MEDLINE®/PubMed® Search & Electronic Health Record Information Resources page offers a PubMed search including subject terms and other keywords. Areas of coverage include implementation, attitudes, beliefs and use, data privacy, health data standards, and consumer access to the EHR and personal health records. This search strategy retrieves literature in many languages and from more than 27,000 PubMed citations, including research from many countries.

The resources page provides links to other electronic health record resources such as links to the US and international government agencies, associations, foundations and publications.

Send your comments about this resource to NLM Customer Service.

For more information on the Special Queries Resource in PubMed, see the article *New Special Queries Resource in PubMed®. NLM Tech Bull. 2005 Mar-Apr(343):e1*.

Acknowledgments

A special thanks to the following NLM staff for their assistance in developing the MEDLINE/PubMed Search & Electronic Health Record Information Resources page:

- Bibliographic Services Division (BSD): Lou Knecht
- MEDLARS® Management Section (MMS): Dianne Babski, Annette Nahin, Jan Willis, and Katherine Majewski
- National Information Center on Health Services Research (NICHSR): Lisa Lang, Catherine Selden, Ione Auston, and Vivian Auld
- Reference and Web Services Section (RWS): Terry Ahmed, Ron Gordner, Paula Kitendaugh, Joyce Backus, and Martha Fishel

By Cynthia Burke
Reference and Web Services

NLM Technical Bulletin
National Library of Medicine | National Institutes of Health

August 10, 2009 [posted]

CORE Problem List Subset of SNOMED CT® Now Available

[Editor's Note: This is a reprint of a news announcement published on the NLM® Web site on July 20, 2009.]

The National Library of Medicine® (NLM®) announces the release of the first version of the CORE (**C**linical **O**bservations **R**ecording and **E**ncoding) Problem List Subset of SNOMED CT® (Systematized Nomenclature of Medicine--Clinical Terms®). The primary purpose of this subset is to facilitate the use of SNOMED CT for coding of problem list data in Electronic Health Records (EHRs) and to enable more meaningful use of EHRs to improve patient safety, health care quality, and health information exchange. SNOMED CT is owned and maintained by the International Health Terminology Standards Development Organisation (IHTSDO) and is a designated US standard terminology for diagnosis and problem lists. Use of SNOMED CT is free in IHTSDO member countries, including the United States, in low income countries, and for approved research projects in any country.

The CORE Problem List Subset of SNOMED CT was derived based on datasets submitted by seven large scale healthcare institutions. The most frequently used terms (covering 95% of usage volume) from these institutions are mapped to the corresponding SNOMED CT concepts where such concepts exist. The subset contains about 5,000 SNOMED CT concepts and is described in detail at http://www.nlm.nih.gov/research/umls/Snomed/core_subset.html. NLM encourages input on how to improve the subset to make it more useful to EHR developers, implementers, and users. Please send feedback to Dr. Kin Wah Fung, Lister Hill National Center for Biomedical Communications, National Library of Medicine.

The subset is available at http://download.nlm.nih.gov/umls/kss/SNOMEDCT_CORE_SUBSET/SNOMEDCT_CORE_SUBSET_200907.zip. A free Unified Medical Language System® (UMLS®) Metathesaurus license (which includes the IHTSDO Affiliate license) is required. It can be obtained via the same site.

CORE Problem List Subset of SNOMED CT® Now Available. NLM Tech Bull. 2009 Jul-Aug;(369):e6.

NLM Technical Bulletin
National Library of Medicine | National Institutes of Health

August 20, 2009 [posted]

NIH Public Access Update: Clarifying Use of the NIH Manuscript Submission Reference Number (NIHMSID)

[Editor's Note: This is a reprint of the announcement published on the National Institutes of Health Public Access Web site on August 12, 2009.]

The NIH Public Access Policy ensures that the public has access to published results of NIH funded research. Awardees are required to provide NIH with evidence of compliance for applicable papers that are authored by the Principal Investigator (PI) or that arise from the PI's NIH-funded research.

As described in a recent Guide Notice, effective August 21, 2009, the NIHMSID may be used to demonstrate compliance on NIH applications, proposals or reports, for up to three months after a paper is published. Three or more months after publication, a PubMed Central® reference number (PMCID) must be provided. Only the PMCID signifies that all steps of the NIH Public Access submission process are complete and that the paper is ready for posting at PubMed Central.

This Notice also reminds awardee institutions of the actions they can take to ensure compliance with the NIH Public Access Policy. Its release corresponds to an update and simplification of the NIH Public Access Web site.

NIH Public Access Update: Clarifying Use of the NIH Manuscript Submission Reference Number (NIHMSID). NLM Tech Bull. 2009 Jul-Aug;(369):e7.

NLM Technical Bulletin
National Library of Medicine | National Institutes of Health

August 26, 2009 [posted]

New Look, Advanced Features for NLM® Images from the History of Medicine (IHM)

The History of Medicine Division of the National Library of Medicine® announces the launch of a new image platform for its premier database, Images from the History of Medicine. Using award winning software developed by Luna Imaging, Inc., NLM offers greatly enhanced searching and viewing capabilities to image researchers. Patrons can view search results in a multi-image display, download high resolution copies of their favorite images, zoom in on image details, move images into a patron-defined workspace for further manipulation, and create media groups for presenting images and sharing them via e-mail or posting on blogs. With these new capabilities, NLM greatly enhances usability of its image collection, where inspection and comparison of images is often as important as access to bibliographic data. IHM is available free of charge.

Comprising almost 70,000 images from the Prints and Photographs Collection as well as other collections held in the History of Medicine Division, IHM is one of the largest image databases in the world dedicated to images of medicine, dentistry, public health, the health professions, and health institutions. The collection includes portraits, photographs, caricatures, genre scenes, posters, and graphic art illustrating the social and historical aspects of medicine. Most types of printmaking are represented: woodcuts, engravings, etchings, mezzotints, aquatints, and lithographs. Also included in the collection are illustrations from the historical book collection. Newly acquired posters and other materials are continually being added to IHM. The collection is administered by the NLM History of Medicine Division.

NLM cannot provide photographic reproductions or digital representations of the items in IHM, but they may be ordered through a third-party vendor. Current vendor contact information for ordering reproductions may be found in the section How to Access and Use Prints and Photographs on the Prints and Photographs Collection Web site.

Description of the Prints and Photographs Collection

The Prints and Photographs Collection contains approximately 100,000 images dating from the 15th to the 21st century. The collection's strength lies in its pre-World War II materials. Areas of concentration include portraits of health professionals and biomedical scientists; views of health institutions, such as hospitals and medical schools; fine prints with medically related themes; and images reproduced from the NLM rare book and manuscript collections. There are smaller numbers of illustrations of anatomy, medical techniques, and

diseases, chiefly derived from rare book illustrations, such as Andreas Vesalius' *De Humani Corporis Fabrica*. Subjects include medieval astrology, World War I hospitals, international efforts to overcome drug abuse, and sexually transmitted diseases, among others. Of particular note is the fine prints collection, numbering more than 3,000 items, including several hundred caricatures on medically related subjects by Honoré Daumier, George Cruikshank, Thomas Rowlandson, and Louis Léopold Boilly. The poster collection of approximately 12,000 items includes representative examples of historical and contemporary posters dealing with public health issues, such as AIDS, smoking, illicit drugs, and sexually transmitted diseases, as well as several hundred posters documenting activities at the National Institutes of Health.

The IHM Homepage

The IHM homepage, as shown in Figure 1, includes the links Search IHM/Browse Images, Help with Searching, Order Images, Copyright and Permissions, About IHM, Frequently Asked Questions (FAQs), and Contact Us.

Figure 1: The IHM homepage.

Search IHM/Browse Images

Browse All Feature

When you click on the link **Search IHM/Browse Images**, the IHM database opens to the Browse All page (see Figure 2). Here you can browse through every image in the database page by page. See the section on **Viewing Options** to learn how to resize thumbnails and change the number of thumbnails that display per page.

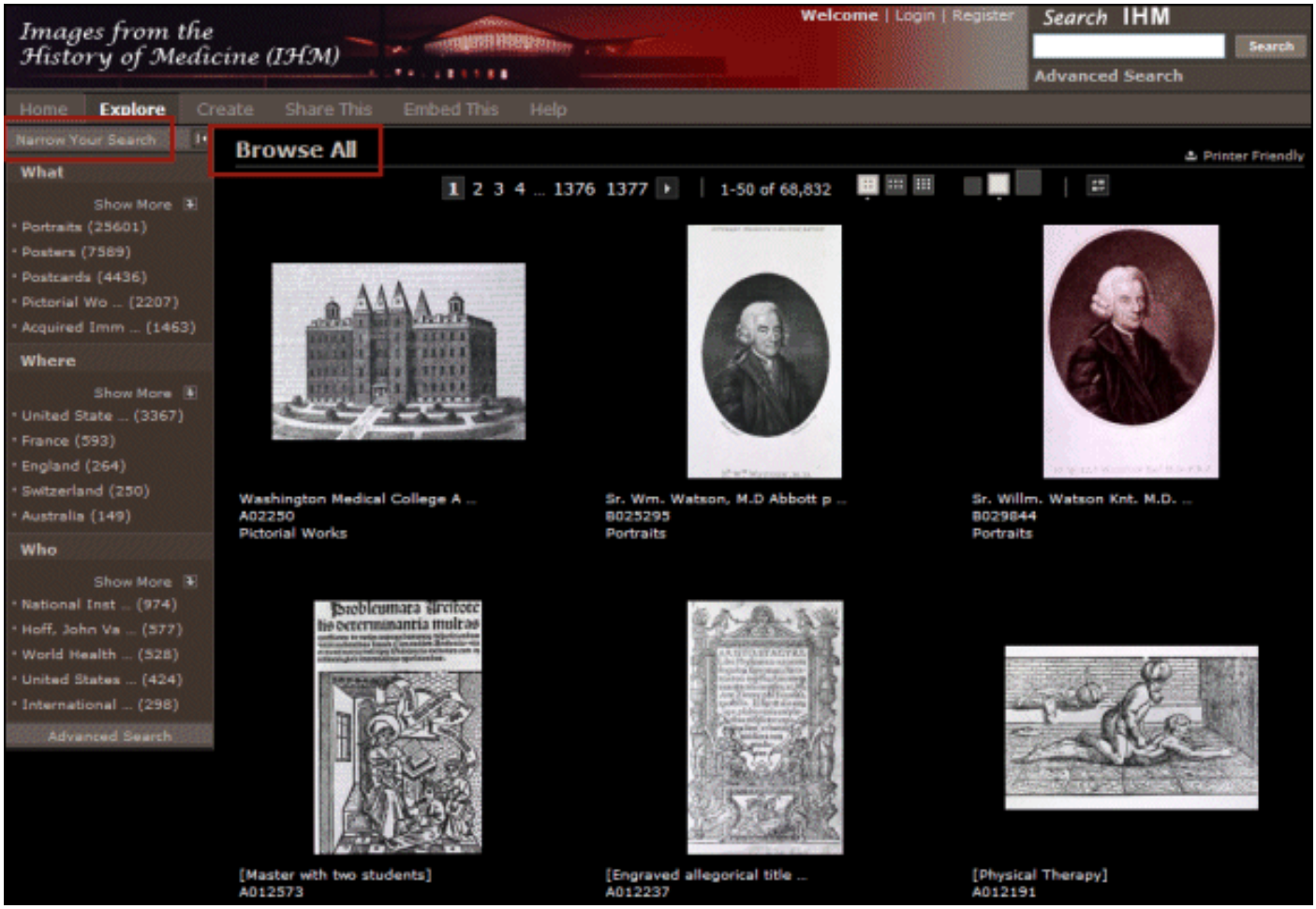


Figure 2: The Browse All screen.

To the left of the thumbnail images on the Browse All page is a column called **Narrow Your Search**. This column displays the top five most frequently assigned metadata terms in the database in the categories of What, Where, and Who. The "Whats" are topical and publication type terms; they may be local keyword terms or Medical Subject Heading (MeSH®) terms. The "Wheres" include countries of publication and geographic subject terms. The "Whos" are the people and corporate bodies who had some responsibility for creating the image or are the subject of the image. If the metadata term contains an ellipsis, the term has been truncated for display purposes. Mouse over the term to bring up an alternate text box that shows the full term. To bring up an alphabetical list of all the metadata terms assigned more than five times in the database in a given category, click on the **Show More** link.

At the Browse All page, click on any of the metadata terms in the Narrow Your Search column to view just the images containing that metadata term. For example, Figure 3 shows the results screen for clicking on the

term **Portraits**. The Narrow Your Search column now contains the metadata terms most frequently assigned to images with the MeSH publication type Portraits, and a new section called **Remove**. You can continue to narrow your search by clicking on additional metadata terms, or expand your search by removing previously selected terms by clicking on the term(s) listed under Remove.

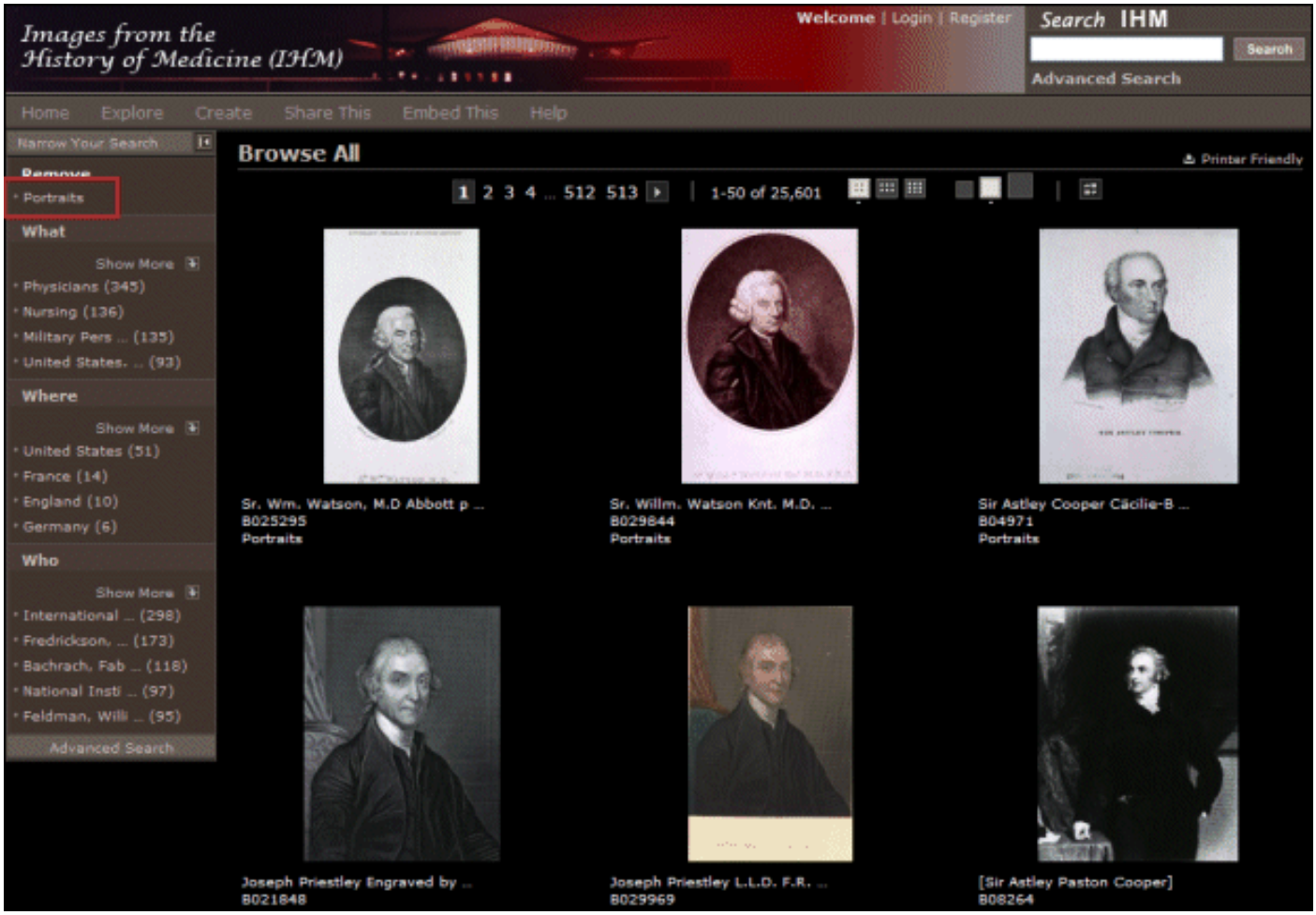


Figure 3: The Results screen after selecting Portraits from the Narrow Your Search column list.

Browse Categories Feature

From any screen you may click **Explore** on the navigation bar and select the **Browse Categories** option (see Figure 4a) to browse the metadata in all three categories (see Figure 4b). As mentioned above, the metadata in the categories list are terms that are assigned at least five times to images in the database. You can jump further into the alphabet for a specific category by clicking on one of the page number links at the bottom of the category list. Click on one of the links at the top of the screen to bring up a combined list of metadata from all three categories that begin with the selected letter, number or character. Select one of the metadata terms to bring up a Browse All results screen displaying just the images for that term. As outlined above, you have the option to further narrow your search by selecting additional metadata terms in the Narrow Your Search column.

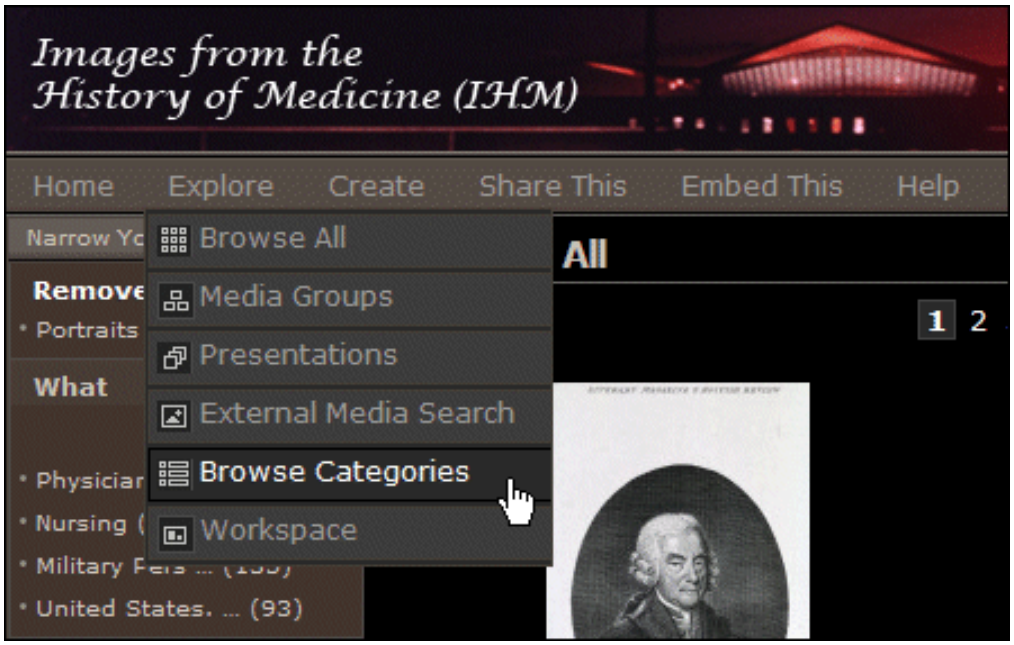


Figure 4a: Selecting Browse Categories.

Figure 4b: The top and bottom of the Browse Categories screen.

Search IHM Box/Keyword Searching Feature

As noted above, the browsing metadata features in IHM are limited to metadata terms assigned more than five times in the database; using that feature automatically excludes images that have infrequently assigned metadata. Entering a keyword search in the Search IHM box located in the upper right corner of every screen is the best way to ensure that you are searching every image record in the database. In the new IHM interface, a keyword search searches every single field in the database. The Search IHM box is actually a

"Similar To" search, which means that the software automatically compensates for searches of commonly misspelled words and retrieves plural and possessive forms of words.

The Search IHM box supports the use of the Boolean operators AND and OR. The system automatically combines terms together, so it is not necessary to enter the term AND in between single search terms. Enclose phrases within single or double quotation marks.

There are a few system limitations that the user should be aware of prior to searching. The Search IHM box does not support truncation or the use of wildcards for keyword searching. It is also not possible to search for foreign words that contain accent marks or diacritics at this time. The Library has been told that keyword truncation, or wildcard searching, will be available with the next software upgrade.

Advanced Searching Feature

Keyword searching usually meets the needs of most users, but if you want to search specific data in a specific field, then Advanced Search is the option to choose. The link for Advanced Search is directly below the Search IHM box. Figure 5 shows the Advanced Search screen. First, pick a data field to search using the drop-down window, then select what type of search you want to do from the next drop-down window (Equals, Starts With, or Similar To). The Equals option allows you to search on the exact metadata term used in IHM. To see a list of all metadata terms used in a specific field, click on the percent sign, after selecting a field. Type in the first few letters of a term to jump to a specific portion of the alphabetic list.

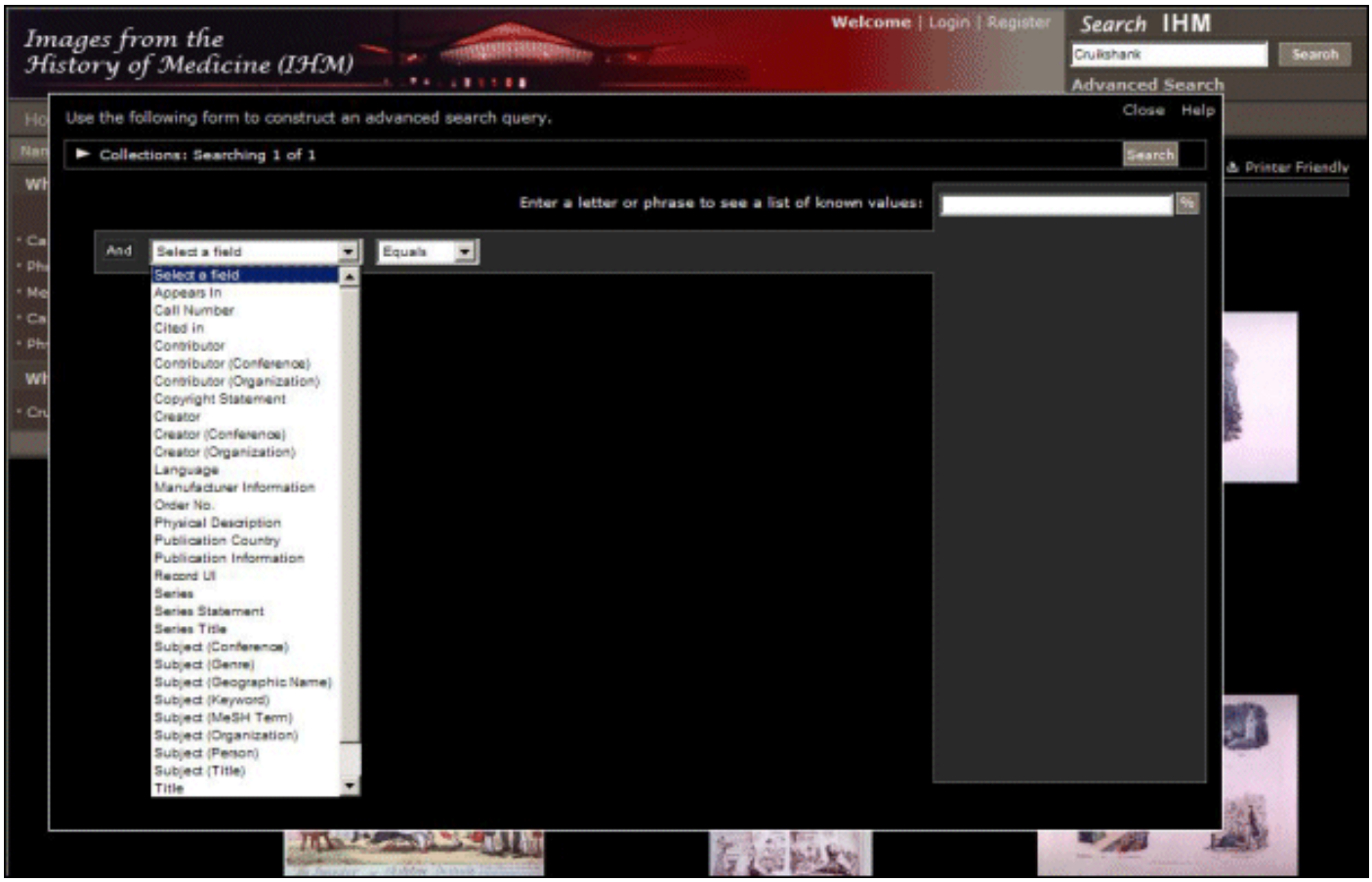


Figure 5: The Advanced Search screen.

If you know that there are images by and about a particular person or organization in IHM then you may want to use Advanced Search rather than entering a keyword search in the Search IHM box. For example, if you do a keyword search on "National Institute on Aging" you will retrieve twenty-five results, mostly posters issued by the Institute. But if you were looking for an image about the Institute itself and do not want to search through all twenty-five images, you could use Advanced Search to find just those images about the Institute. In this case, you would select Subject (Organization) as your data field, Equals, and National Institute on Aging from the list of known values for this field. Your result would be just one image, not twenty-five.

For specific instructions on using Advanced Search to perform complex searches, click on the **Help with Searching** link on the IHM homepage (see Figure 1).

Viewing Options

There are three main options for viewing images in IHM. You can view multiple thumbnail images when browsing (see Figure 6), multiple images in the Workspace (see Figure 11), or individual images in Detail View (see Figure 7).

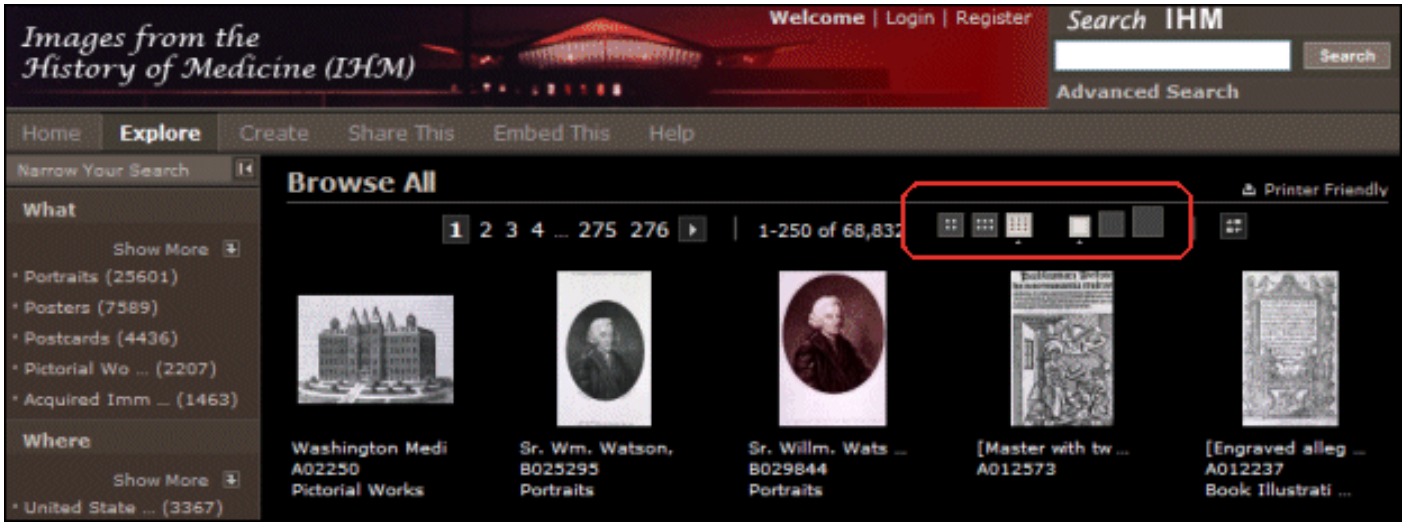


Figure 6: The viewing options for thumbnail images.

While browsing thumbnails, icons above the images allow you to set your viewing preferences. Use the items per page icons to view 50, 100, or 250 thumbnail images per page. Use the thumbnail size icons to resize thumbnail images to small, medium, or large.

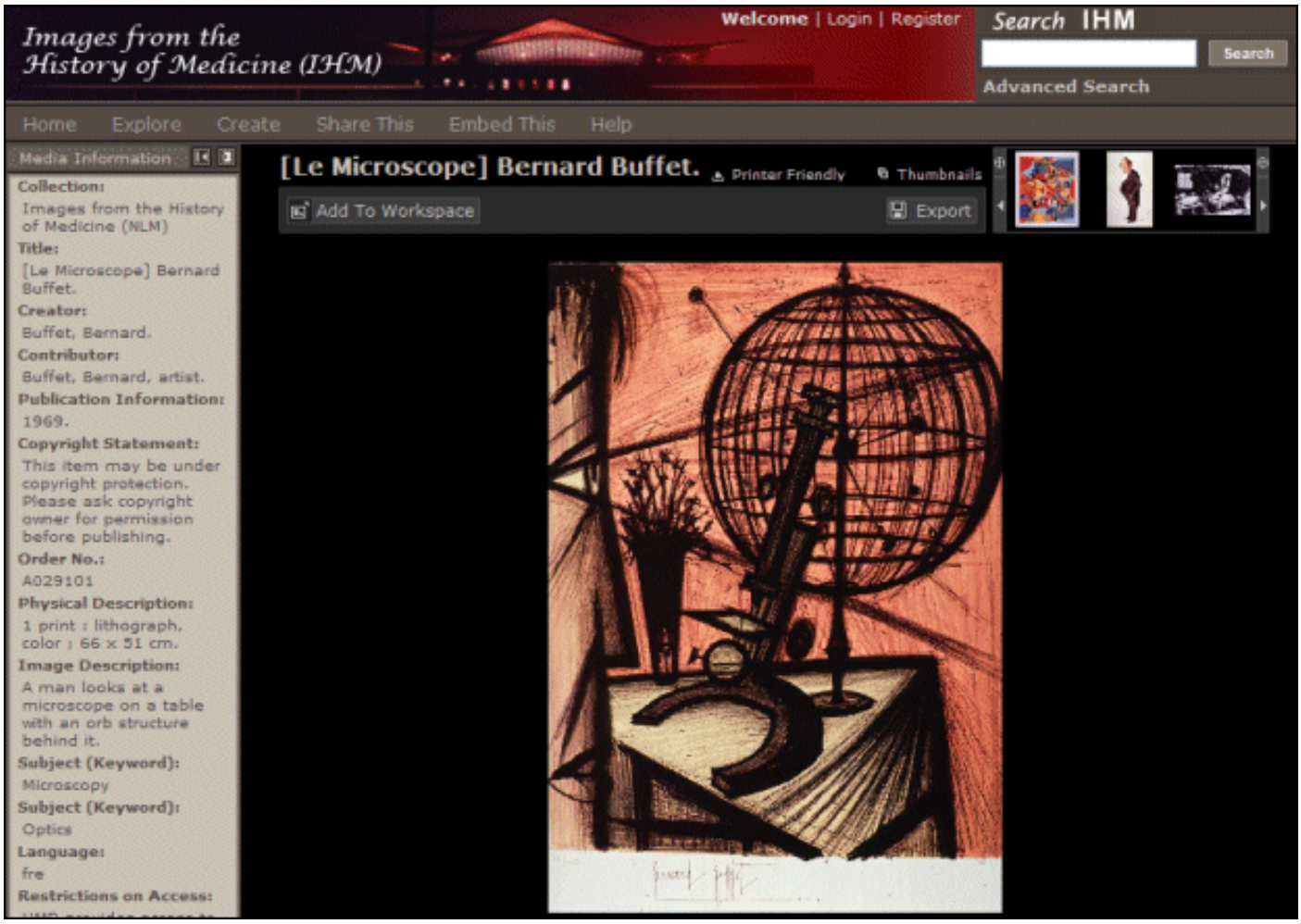


Figure 7: A zoomed-in image as seen in Detail View.

Unwatermarked Images

In IHM, images are no longer watermarked. Figure 8 shows the difference in clarity between images with and without water marks.

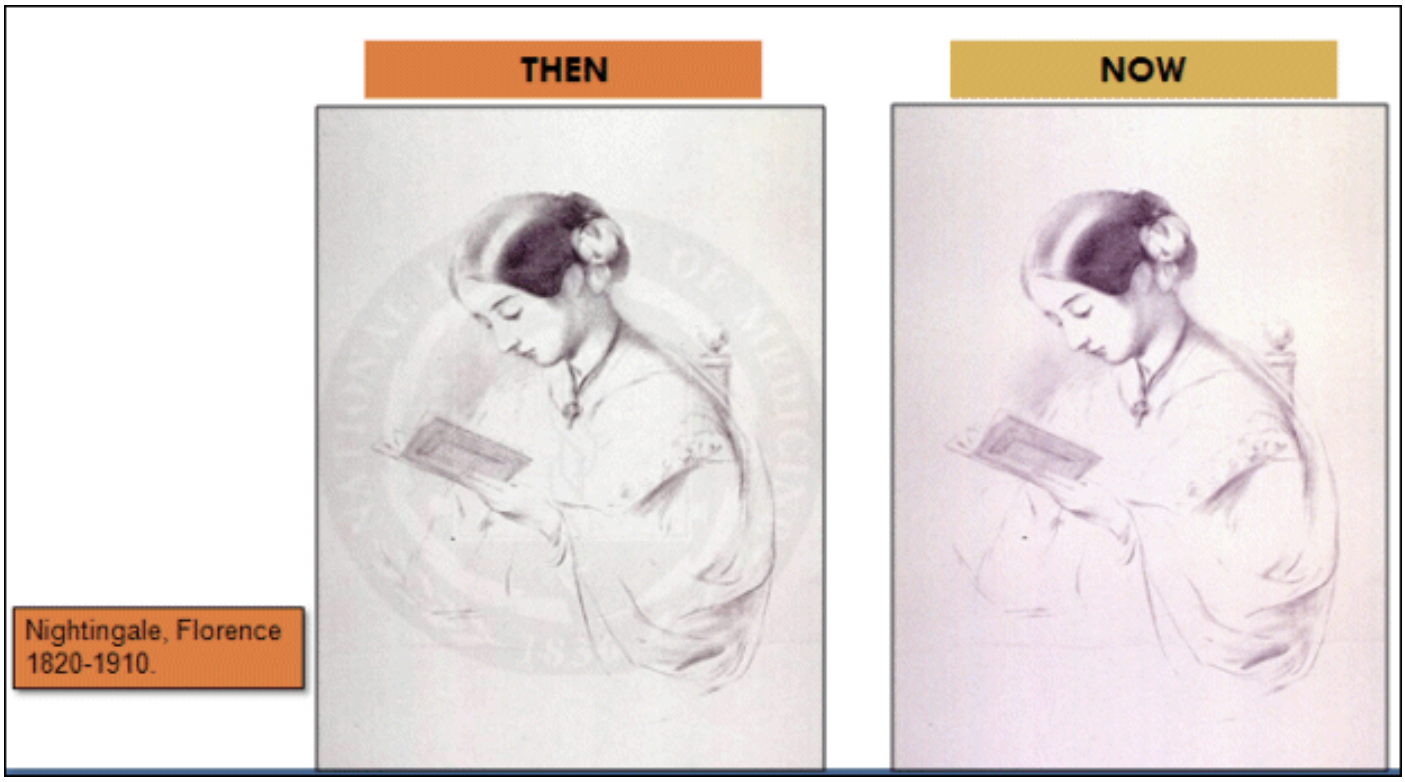


Figure 8: The difference in image clarity between watermarked images in the previous IHM and unwatermarked images in the new IHM.

The Library has determined that release of unwatermarked images of materials that may still be under copyright is within fair use and part of its mission to advance knowledge.

Bibliographic Data

Bibliographic information is available for each image in IHM. There are two ways to view this information. Scroll over a thumbnail image for a Media Summary, which provides the image title and order number (see Figure 9). Click on an image to view the full bibliographic record in Detail View (see Figure 10). The Media Information column on the left side of the page provides full bibliographic information about the image. In addition to title, publication, creator, etc., the data record also includes image format, file name, and the height and width of the image in pixels.

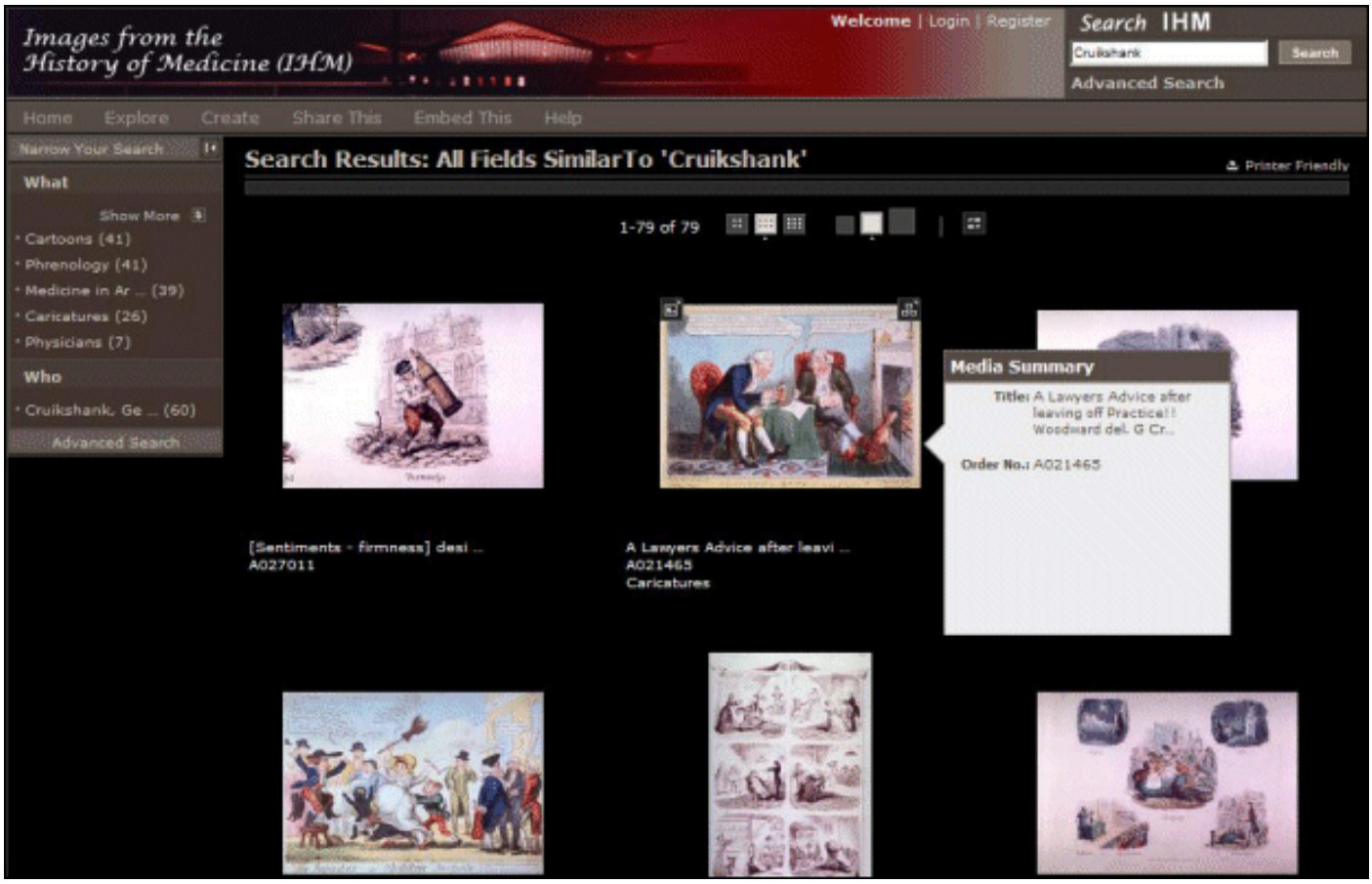


Figure 9: The thumbnail view of an image with a Media Summary.

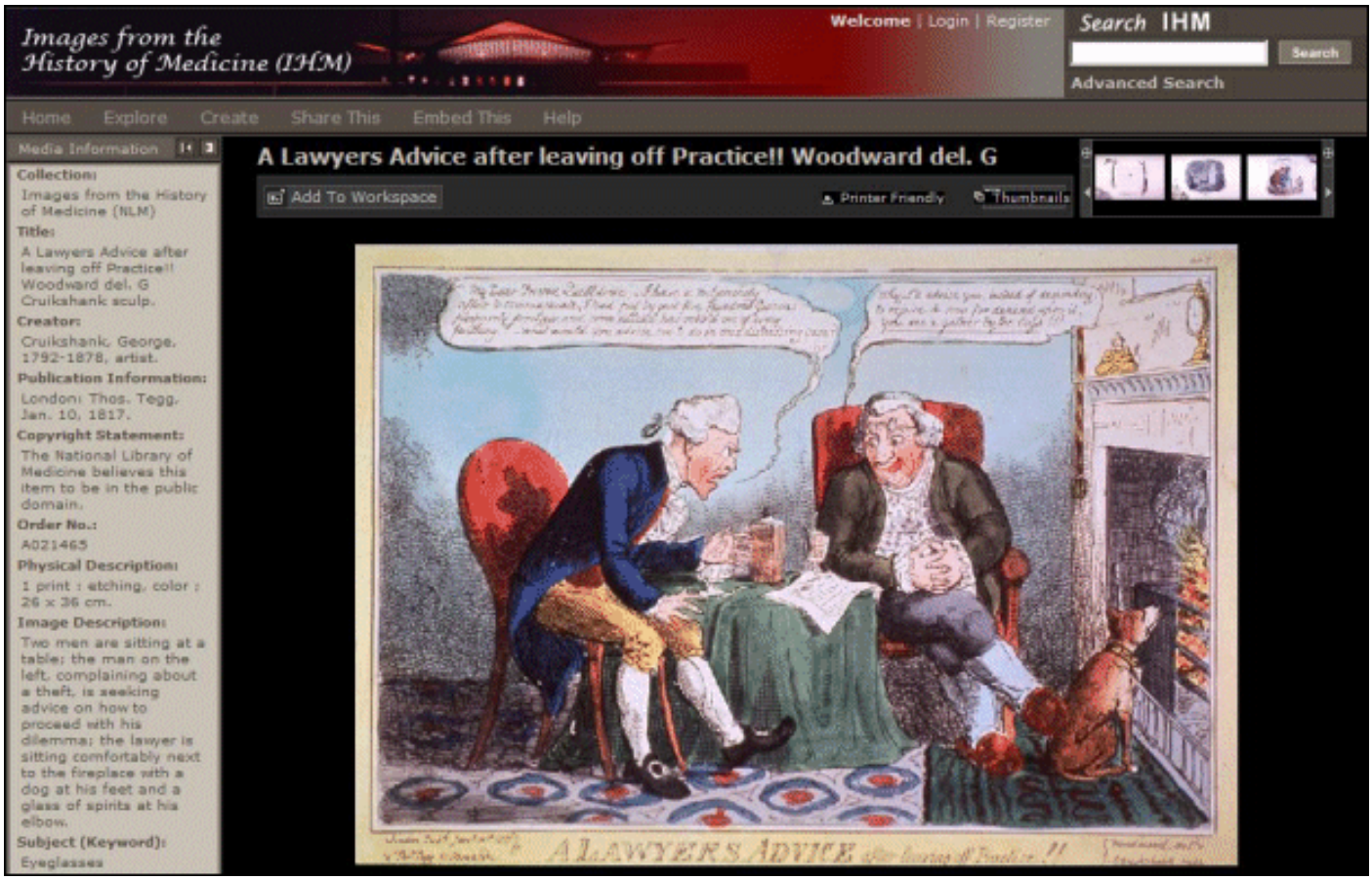


Figure 10: The Detail View of an image with full bibliographic information in the Media Information column on the left.

The Workspace

The Workspace is a place for working with images (see Figure 11). Viewing Tools are built into each image allowing you to work with multiple images simultaneously. Move the cursor over any image in the Workspace to reveal the Viewing Tools icons in the top right-hand corner of the image.

Figure 11: View of a Workspace with multiple images. Viewing Tools icons are in the top right-hand corner of the image with the spider (top left corner of the Workspace).

Adding Images to the Workspace

To add images to your Workspace while browsing, click on the icon in the upper left-hand corner of the thumbnail image. The border around the image will flash indicating the image has been added successfully. To add an image to your Workspace while in Detail View, click on the Add to Workspace button located in the upper left hand corner above the image. The Add to Workspace button will flash indicating the image has been added successfully.

Moving Images in the Workspace

To move images in the Workspace, drag the sides of the gray frame. To move the image inside the frame, drag the image in the desired direction using the Thumbnail Navigator as your guide. The Thumbnail Navigator is on the lower right-hand corner of the Workspace. To Show/Hide the Thumbnail Navigator, click the third icon to the left of the Viewing Tools (seeFigure 12).

Zooming in on Images in the Workspace

When you scroll over an image to see the Viewing Tools, you will see a zoom tool in the lower center of the image (see Figure 12). Zooming into an image allows you to see the fine details of an image. Zoom in and out of an image by clicking on the + or - symbol, using the scroll wheel on your mouse, or dragging the zoom bar left or right.

Figure 12: A zoomed-in image in the Workspace.

The resolution size for each image is located in the bibliographic information when viewing an image in Detail View. Resolution Size indicates the largest derivative that you can zoom into for an image and is based on the original image file used to process the images. The number of derivatives that can be created from the source image depends on how large that original is. Derivatives go from size 0 to size 8 and correspond to the following pixel size:

size 0= up to 96 pixels
size 1= up to 192 pixels
size 2= up to 384 pixels
size 3= up to 768 pixels
size 4= up to 1536 pixels
size 5= up to 3072 pixels
size 6= up to 6144 pixels
size 7= up to 12288 pixels
size 8= up to 24576 pixels

Other Features in the Workspace

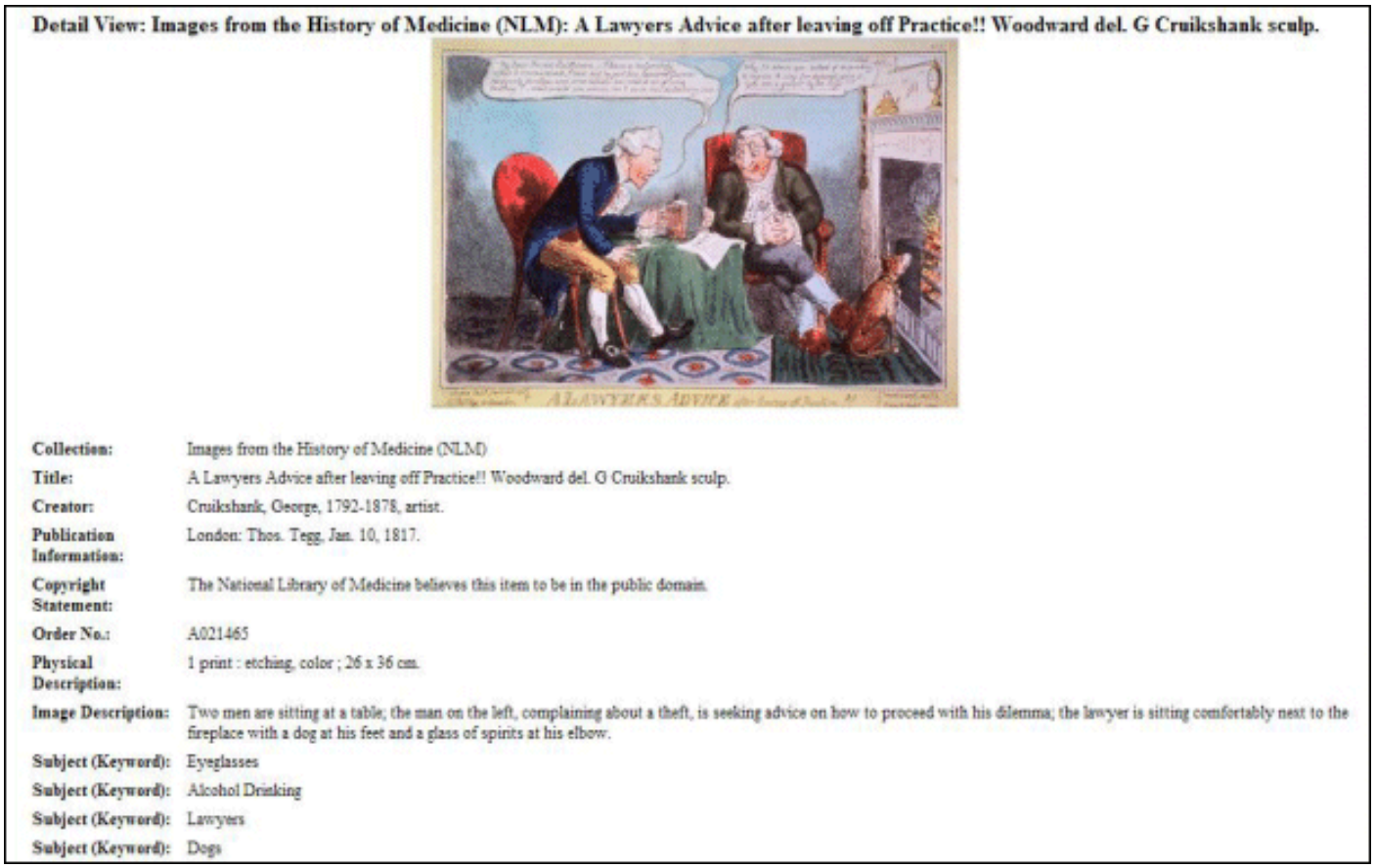
To re-size the frame around an image, drag the corners of the frame. You can also force fit the image to the frame by clicking on the third icon to the right of the Viewing Tools icons. Remove an image from the Workspace by clicking the **X** icon on the far right. To view bibliographic details about an image click the ***i*** icon.

Exporting Images

All images in IHM can be exported. Click on the image you want to export to put the image in Detail View and then click the Export button located above the image. All images download as zip files for fast file transfer. Exported image size and resolution depend on the size of the original image file. Generally the export size is 96dpi with an image height of 1536 pixels.

Printing Images

IHM offers a printer friendly option should you want to print your search results or the bibliographic data for an image. See Figure 13 for the format of the printer Friendly view when you print an image along with its complete bibliographic record. To print this view, click on an image to open it in Detail View and then click the **Printer Friendly** button located above the image. Similarly, to print thumbnail images in browse or search results, click the Printer Friendly button on the results page.



Detail View: Images from the History of Medicine (NLM): A Lawyers Advice after leaving off Practice!! Woodward del. G Cruikshank sculp.

Collection:	Images from the History of Medicine (NLM)
Title:	A Lawyers Advice after leaving off Practice!! Woodward del. G Cruikshank sculp.
Creator:	Cruikshank, George, 1792-1878, artist.
Publication Information:	London: Thos. Tegg, Jan. 10, 1817.
Copyright Statement:	The National Library of Medicine believes this item to be in the public domain.
Order No.:	A021465
Physical Description:	1 print : etching, color ; 26 x 36 cm.
Image Description:	Two men are sitting at a table, the man on the left, complaining about a theft, is seeking advice on how to proceed with his dilemma; the lawyer is sitting comfortably next to the fireplace with a dog at his feet and a glass of spirits at his elbow.
Subject (Keyword):	Eyeglasses
Subject (Keyword):	Alcohol Drinking
Subject (Keyword):	Lawyers
Subject (Keyword):	Dogs

Figure 13: The Printer Friendly format for an image in Detail View.

Embed This

Embed This (see Figure 14) allows you to create an embeddable Web widget that you can add to blogs, forums, and wikis. The purpose of this feature is to allow you to share search results, slide shows, presentations, Workspaces, and Media Groups, of your favorite images. The Embed This link is located on the main navigation bar.

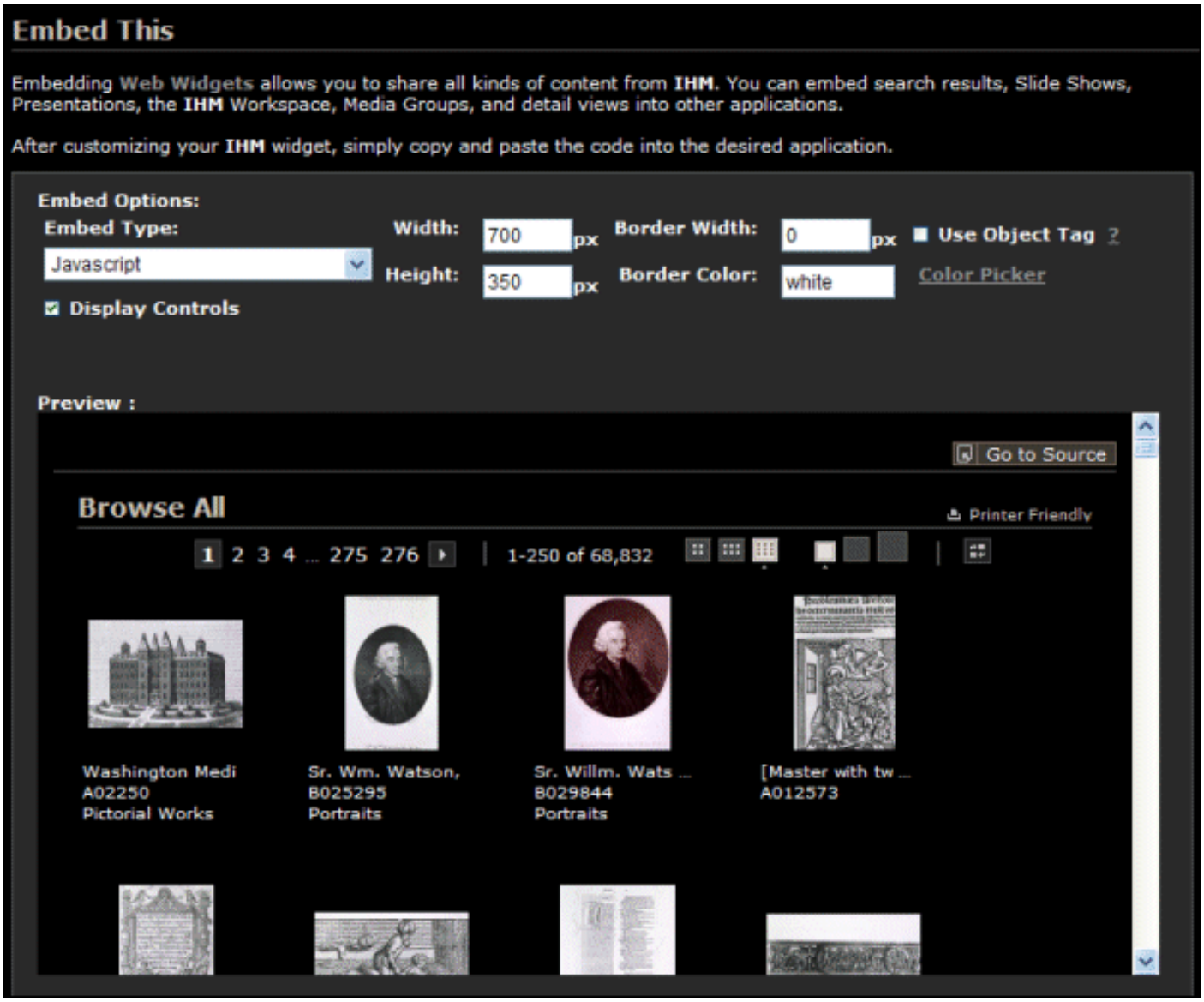


Figure 14: The Embed This feature.

Share This

Share This (see Figure 15) provides a unique URL for the current page so you can paste the link into an e-mail or instant message. The Share This link is located on the main navigation bar.

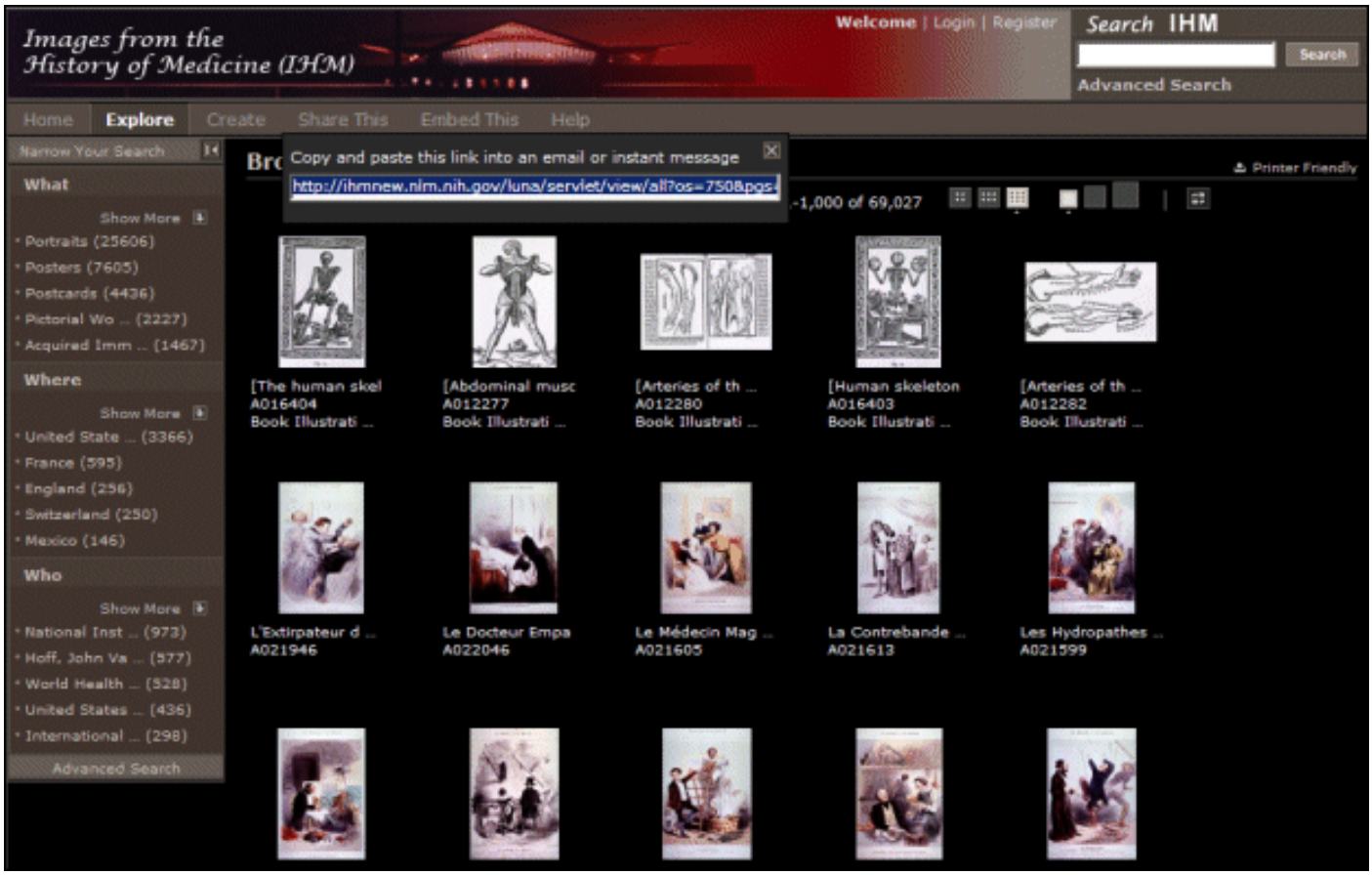


Figure 15: The Share This feature.

Registration

IHM provides the opportunity for you to register if you want to use some of the more dynamic features of the database (see Figure 16). The Register link is located to the left of the Search IHM box in the upper right hand corner of the screen.

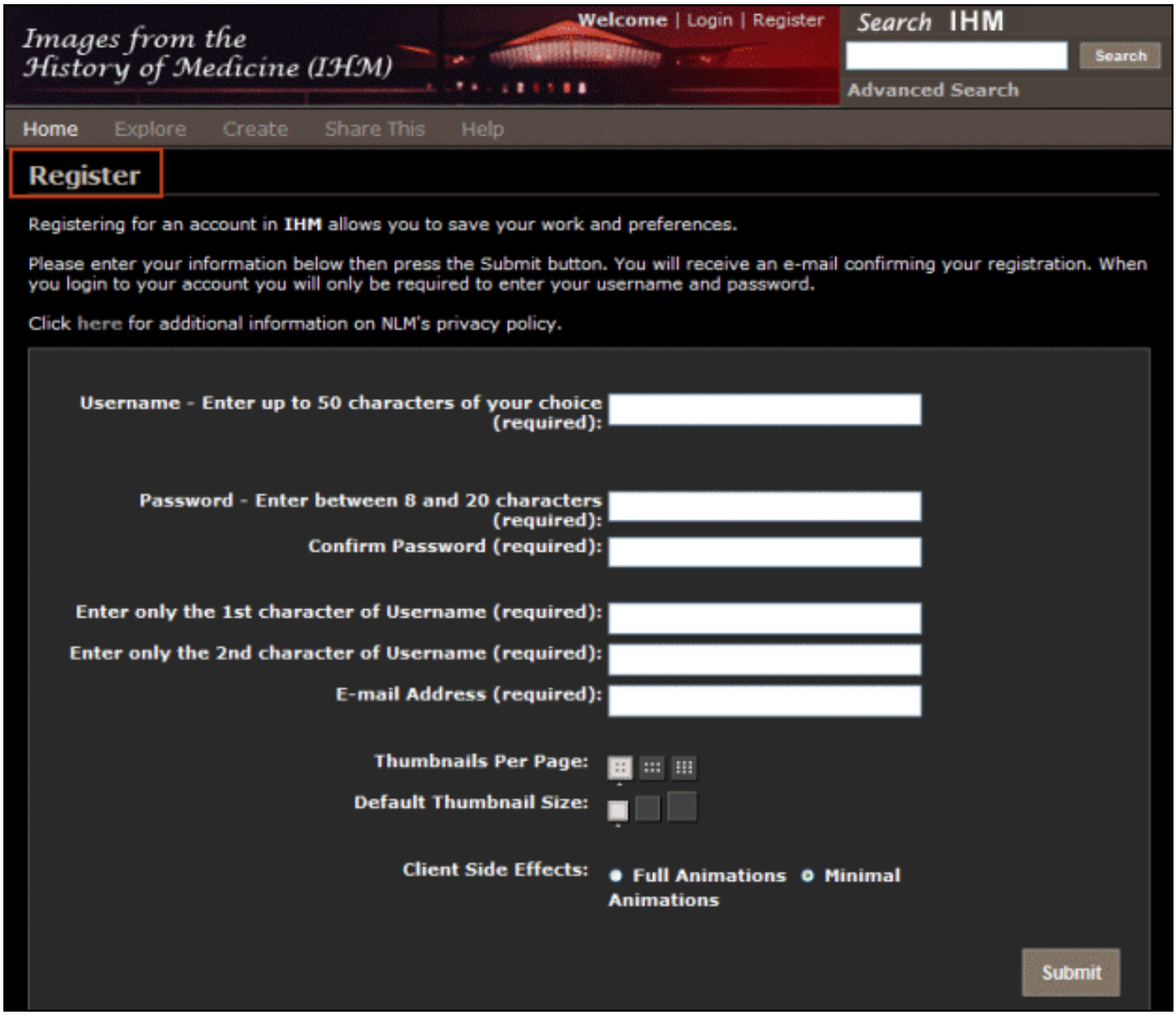


Figure 16: The Registration page.

With a user account you can use the Create option in the Navigation bar to:

- Create Media Groups to share images (see Figure 17). A Media Group is a group that you create using specific images of your choice. Media Groups can be made public or private, and can be used to save, organize, and share images. Add images to your Media Group any time in browse or Detail View. View Media Groups by choosing Media Groups in the menu bar and selecting the name of the one you want to view.
- Conduct an External Media Search for public images on Flickr® and add them to your Media Group (see Figure 18).
- Create slide show, PowerPoint or Keynote presentations using the images in your Media Group (see

Figure 19).

Registration is not required to conduct keyword or advanced searches, to browse images, or to use the Workspace.

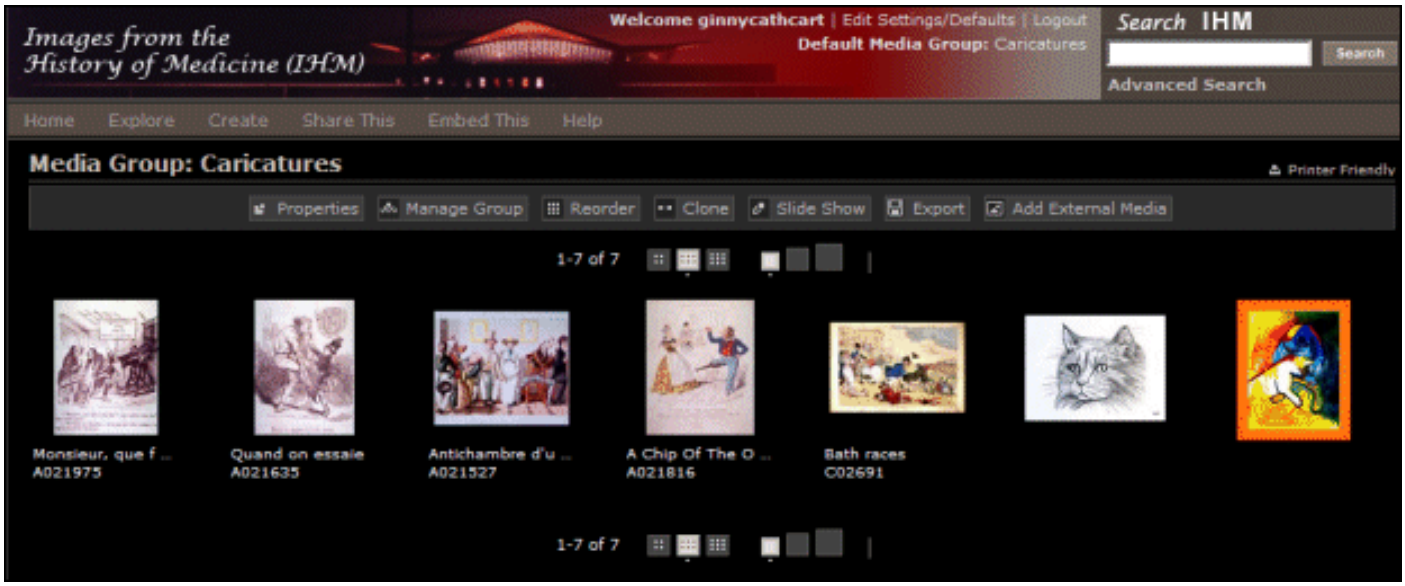


Figure 17: The Media Groups feature.

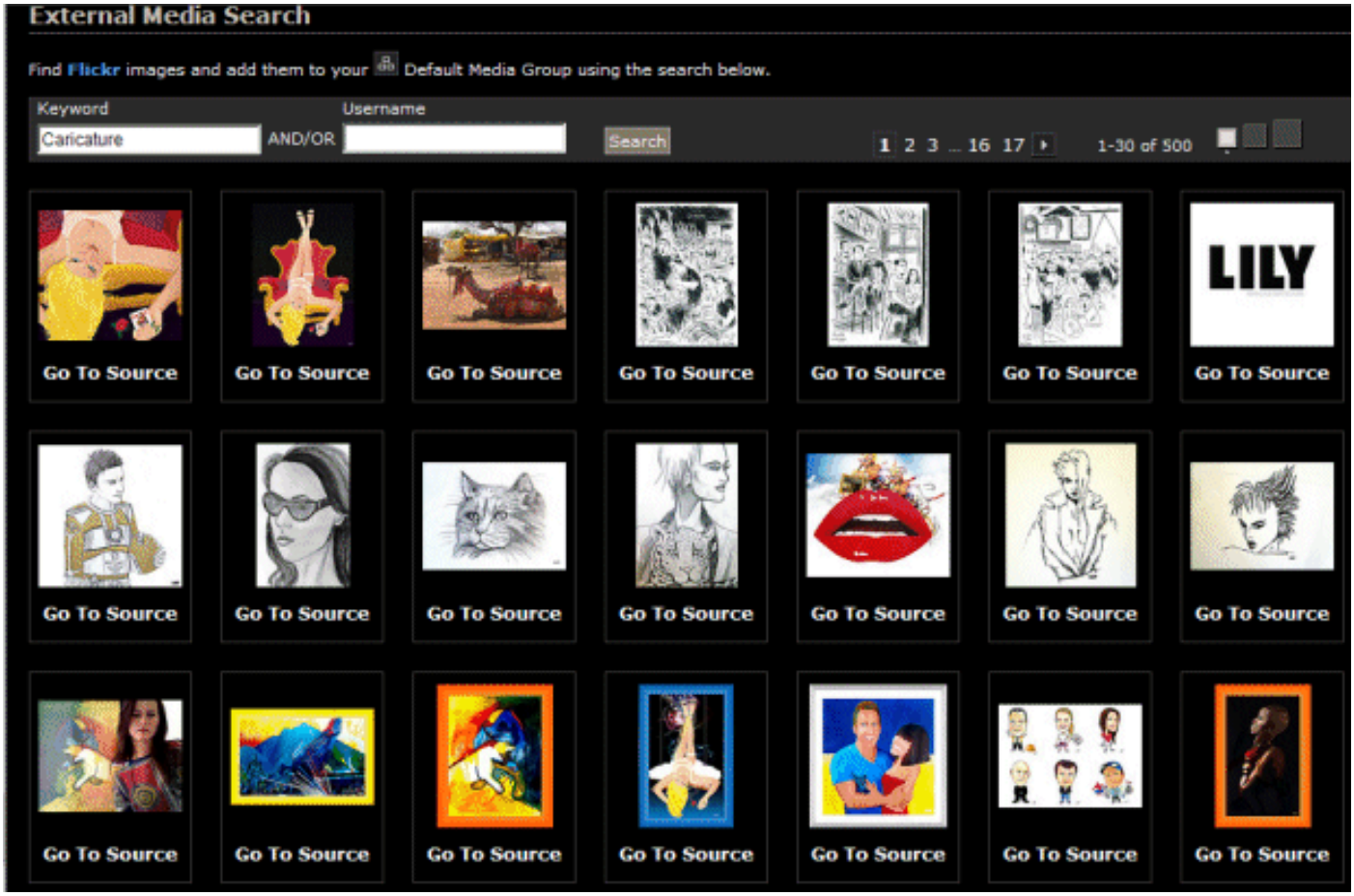


Figure 18: The External Media Search feature.

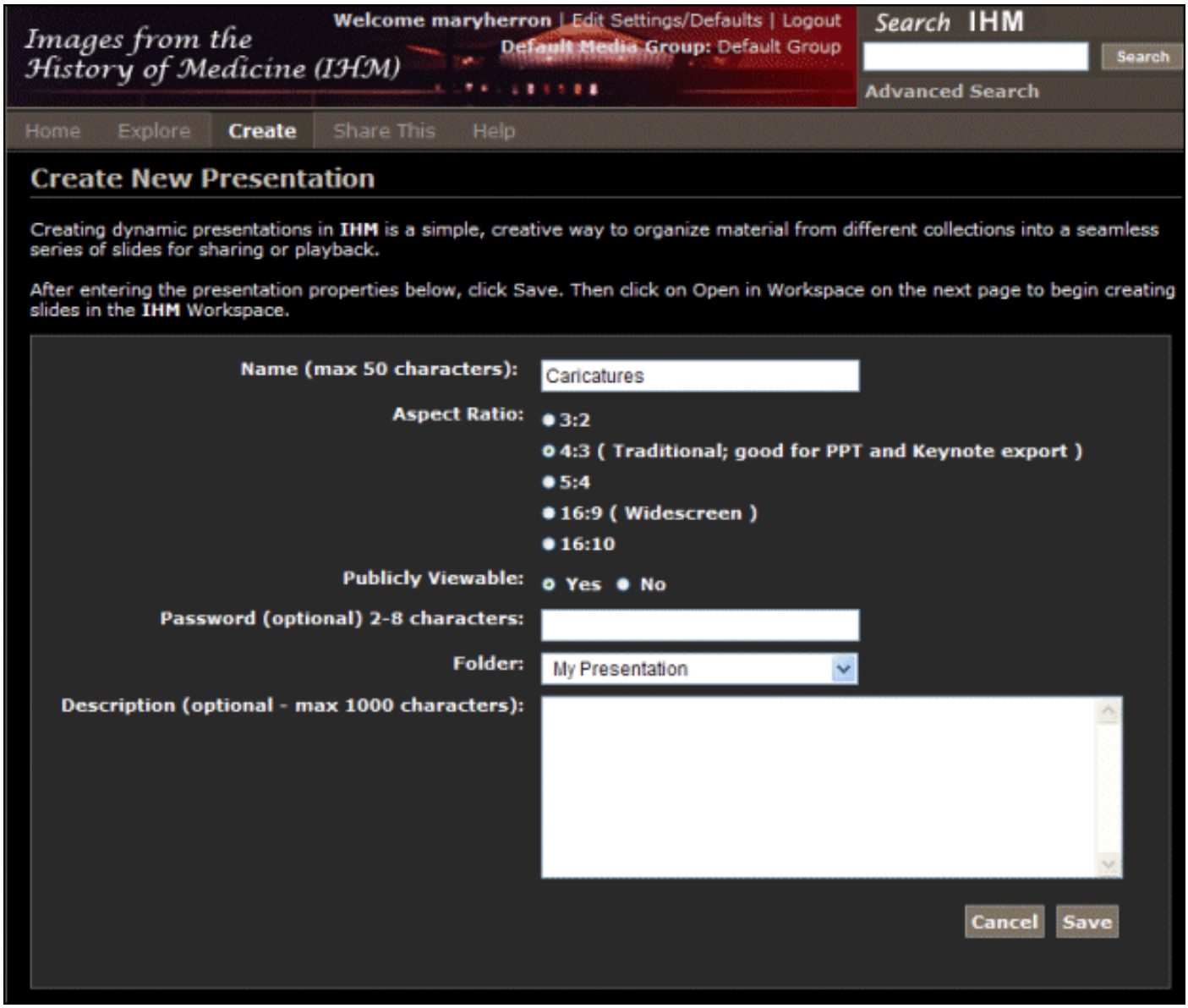


Figure 19: The Presentation feature.

Please send your comments or questions to NLM customer service.

By Laura Hartman and Ginny A. Roth
History of Medicine Division

Hartman L, Roth GA. New Look, Advanced Features for NLM® Images from the History of Medicine (IHM). NLM Tech Bull. 2009 Jul-Aug;(369):e8.