From the Director

“So when a doctor finds himself lost or astray over some difficult problem, there’s just one thing for him to do, to betake himself to a library, a place whence knowledge radiates, there to get a fresh start. The soul of an institution comes to reside in the library.” — Harvey Cushing, M.D., 1926

The past year has been an occasion of great celebration as we mark the 75th anniversary of the founding of the library by Harvey W. Cushing, John F. Fulton, and Arnold C. Klebs. Their vision for a library inspired their remarkable gift to Yale, and it continues to inspire us. Cushing’s insight, as relevant today as it was ninety years ago, captures a core and enduring objective of medical libraries—to help people discover answers to questions and find solutions to problems.

In 1941, users pored over texts and journals in the physical library located here in the heart of the School of Medicine. Today, however, the library’s reach extends well beyond its walls, with vast online collections and resources, and the library’s role has expanded significantly in ways its founders could hardly have imagined. The library now provides researchers with seamless access to more than 23,000 online medical journals, almost ten times the number of journal titles we ever purchased in print! Clinical information resources such as UpToDate, DynaMed Plus, and ClinicalKey are integrated into Epic, the health system’s electronic medical record, providing clinicians full and easy access to library resources they can use at a patient’s bedside. The library licenses a growing list of bioinformatics tools like MetaCore and Ingenuity Pathway Analysis to facilitate analysis of genomic data critical to new research in personalized medicine.

The library makes its resources available to users any place and any time, not only databases and analytic tools, but also scholarly literature. Our resource sharing team can even deliver to your inbox scans of articles we don’t own, within one day.

Although much has changed since 1941, library staff continue to play the vital role that Cushing envisioned. Like our collections, the librarians go well beyond the library’s walls to collaborate with researchers. You will find clinical librarians providing research support wherever they can help busy clinicians, from radiology reading rooms, to intensive care units, to operating room suites. Research and education librarians participate in curriculum redesign, help film anatomical dissection videos, teach information research skills, and ensure access to the best resources. Our librarians support researchers in the basic sciences by introducing bench scientists to new bioinformatics tools and resources and helping them identify alternatives to animal models. This wide array of services relies on librarians with diverse and complementary skill sets who share the common goal of facilitating scholarship and education at the medical center.

In this annual report you will see many examples of the vital role the library and our staff play in fulfilling the missions of the thousands of clinicians, researchers, and scholars we serve.

John Gallagher
Throughout 2016, the Cushing/Whitney Medical Library (CWML) has been celebrating its 75th anniversary, fondly remembering its founders, recording its recent history, and looking toward its bright future. The year of celebration began with much merriment at the January kick-off event. Friends and patrons gathered to visit with Finn, our therapy dog; for selfies with Harvey Cushing; and for cake adorned with our anniversary logo. This event launched our initiative to record more of the oral and written history of the CWML. We collected written and video vignettes of treasured stories and impressions from alumni and students about what makes the CWML special. Reminiscences and experiences, past and present, continued to be captured throughout the year. These videos, narratives, and poems will be preserved in the Historical Library archive. You can enjoy some of the video vignettes at http://vimeo.com/channels/yalemedlib75.

In April, friends of the library gathered for a lecture sponsored by the Associates of the Cushing/Whitney Medical Library. Dr. Ruslan Medzhitov, David W. Wallace Professor of Immunobiology, presented “Immune System in Health & Disease,” vividly illustrating how our bodies react to and defend against potentially noxious invaders. The associates were delighted to see faculty and students attending this enlightening lecture in the library.

Our 75th celebrations inspired three exhibits, on view from April to September. The Medical Library at 75, curated by former and current Historical Librarians Toby Appel and Melissa Grafe, explored the creation and development of the library. The exhibit described how founders Harvey Cushing, John Fulton, and Arnold Klebs envisioned a medical school library; and documented the changing nature of collections, spaces, services, researchers, and staff. A case displaying technology from the past provoked guffaws from the new generation of digital-native students. Just as the CWML supported early adopters of mobile devices in the 1980s, we continue to facilitate research using today’s emerging technologies such as bioinformatics and geographic information systems.

A photographic exhibition, The Life of the Medical Library, documented the world of the CWML today. Librarians work within hospital units, researchers delve into collections online and in the library, classes use Historical Library collections, and visitors tour and learn in the Cushing Center. The exhibit also displayed the winning photographs from a recent Instagram Challenge.

Photos: Terry Dagradi

Students taking selfies with Harvey Cushing
Librarians Janene Batten and Mark Gentry interviewing Dr. Thomas Duffy
Librarian Melissa Funaro and guests celebrating the library’s 75th anniversary
We asked, you answered!

YOU LOVE THE LIBRARY BECAUSE . . .

Grad school requires studying, and the group study rooms here are the best for that. Thanks!
The 24/7 room is a lifesaver!
The librarians are really great!
There are so many resources and everyone is very helpful!
Finn the dog!!
Great place to study!
It has the friendliest and most helpful librarians!
Footrests under every table!
I love the environment. It is intellectually stimulating!
It is a center for our learning community.

Celebrating the CWML from the perspective of our patrons. We are happy that the exhibit was accessible not only in our physical space, but also to our almost 7,000 Instagram followers.

The Founding Collection of Prints and Drawings: Bequest of Clements C. Fry featured selections from Fry’s collection of seventy-five works on paper that hung in the long entrance corridors of the library when we first opened in 1941. The exhibit also included recent acquisitions complementing Fry’s original collection.

The pinnacle of the 75th celebrations was an exceptional Founders Celebration talk during Alumni Weekend, “Harvey Cushing and John Fulton: Two Founders Bonded by Science, Medicine, and Books.” Dr. Dennis D. Spencer, Harvey and Kate Cushing Professor of Neurosurgery, and Dr. Gordon M. Shepherd, Professor of Neuroscience, described the professional and personal relationships among bibliophiles Cushing, Fulton, and Klebs in a discussion moderated by Cynthia Tsay, YSM ’18. Members of the Cushing family, including granddaughter Kate Whitney and great-grandson Harvey Cushing, were honored guests.

John Gallagher appointed eighth medical library director

During our 75th anniversary year, John Gallagher joined the list of illustrious CWML directors. As the eighth director, he has pledged to continue the tradition of ensuring the highest quality of services, resources, and collections to support the research, education, and clinical missions of the medical center community.

John’s service has been rich and varied; his experiences, understanding of issues facing medical libraries, willingness to experiment, and ability to build successful networks are the qualities that are needed for the continued success of the CWML. Since 1999 John has served the Yale community, regularly earning promotions based on his eagerness to learn and his deep commitment to customer service.

Susan Gibbons, University Librarian and Deputy Provost for Collections & Scholarly Communication, commented, “John’s appointment is fantastic. Not only do we add a talented colleague to the library’s senior leadership team, but John’s career demonstrates the opportunities for career advancement at Yale University Library.”
Research Services

EXPANDING SUPPORT FOR SYSTEMATIC REVIEWS

CWML staff play an integral role in supporting systematic reviews written by Yale and Yale New Haven Hospital researchers in three ways: providing seamless access to evidence in the biomedical literature; helping researchers build their search skills; and, on selected projects, joining the team to develop, test, execute, and document comprehensive search strategies.

The methodology of systematic reviews and meta-analyses can deliver trustworthy, field-changing evidence—but only if researchers have succeeded in gathering all the relevant information. When the goal is a complete summary of relevant biomedical literature, librarians can articulate the relevant concepts in controlled vocabulary terms and keywords, and revise those searches for recall and precision in all the appropriate abstracting and indexing databases.

So how do librarians construct transparent and reproducible searches of the biomedical literature? When researchers ask us to join a systematic review team, we discuss the research question and identify a small set of known articles that we’ll use to test the search strategies we develop. If even one of these known articles is not in the results set of a proposed search strategy, we must revise the strategy so that it captures all potentially relevant articles.

**YALE MEsh ANALYZER**

To help researchers and librarians refine search strategies, Lei Wang, Instructional Design Librarian, and Holly Grossetta Nardini, Research & Education Librarian, created the Yale MeSH Analyzer. MeSH stands for Medical Subject Headings: the standard descriptive terms assigned to articles in MEDLINE by experts who identify each article’s key concepts. By analyzing the subject headings associated with each article in the testing set of known relevant articles, librarians can improve searches. This concept of MeSH analysis was originally developed by Jan Glover, Acting Head of Curriculum & Research Services; the methodology is an important part of our search validation process.

The Yale MeSH Analyzer is a new Web-based tool (http://mesh.med.yale.edu/) to make MeSH analysis more efficient. When a researcher inputs a set of article identifiers from MEDLINE, the MeSH Analyzer creates an easy-to-scan Excel or HTML grid to show indexing similarities and differences. In addition to MeSH terms, the MeSH Analyzer can display author-assigned keywords, article titles, and abstracts. This allows expert searchers to quickly identify problems with searches, find new terms and term variants, and make refinements to improve retrieval. The MeSH Analyzer thus streamlines the search process for evidence-based systematic reviews.

Last October, Holly and Lei presented the Yale MeSH Analyzer to great accolades at the North Atlantic Health Sciences Libraries conference. An enhanced version of the tool was released in May 2016 and presented at the Medical Library Association annual meeting in Toronto, where it was voted “top paper of the day” by practicing medical librarians from the United States, Canada, and the world. Both MLA News and the Journal of the Medical Library Association published articles featuring this tool, and usage continues to grow. Librarians worldwide have adopted the Yale MeSH Analyzer because it helps them develop better systematic searches faster.

**COVidence**

Systematic reviews are complex projects—and sadly, some valuable projects languish. That’s why the CWML now provides the Yale community with a new tool to improve the quality and speed of screening and data extraction, Covidence. Research teams collaborating with medical librarians on systematic reviews can now use Covidence to manage their bibliographic data, PDFs, and forms for risk of
bias and data extraction. This online platform, recommended by the Cochrane Collaboration and by CWML librarians who participated in beta testing, even lets researchers do title and abstract screening on their phones! Any tool that makes data management and screening easier will save researchers time and effort. We expect that Covidence will help more researchers complete and publish more of the systematic reviews that they start — because, after all, only completed and published reviews will change practice.

**ANIMAL USE ALTERNATIVES SEARCHING**

Systematic reviews are one important strand of collaboration with researchers; another involves searching for animal use alternatives in the Institutional Animal Care and Use Committee (IACUC) process. Researchers in medicine and basic sciences at every university are familiar with federal animal welfare requirements enforced by the IACUC — but researchers at Yale will be surprised by the responsive support they receive from the CWML in completing the literature searches required before including painful or distressing procedures in their protocols. Five librarians in the Research and Education department regularly meet with PIs and lab managers to design comprehensive searches about the “Three Rs.”

Replacement, refinement, and reduction are the framework for an IACUC literature search. In the literature, are there examples of researchers replacing animals with simulations, in vitro methods, or phylogenetically lower animals? Could the researchers refine their protocol by making procedures less painful, making life in the lab less stressful, or providing a humane endpoint? Could the researchers reduce the number of animals in the experiment while maintaining statistical validity? The researchers must answer these questions themselves — but librarians help

“**The USDA inspector was especially enthusiastic about the work Rolando has done establishing a formal library program to assist investigators in seeking alternative procedures. This is terrific and, in addition to being a good thing in and of itself, reflects well on Yale’s dedication to the humane care and use of animals.**”

— Steven M. Girvin, Deputy Provost for Research

Members of our Document Delivery team
Top: Aletia Garvey; Bottom: Velma Williams (L) and Dorota Peglow (R)

*Photos: Melanie Norton*
by identifying relevant articles from bibliographic databases, including PubMed, MEDLINE, Embase, Web of Science, Scopus, AGRICOLA, CAB Abstracts, FEDRIP, ALTBIB, and Altweb.

**CWML’s IACUC search service** depends not only on librarians who collaborate with researchers to craft an appropriate search for a protocol, but also on the crackerjack document delivery team who provide the relevant articles on a tight turnaround. The CWML also recognizes Biomedical Sciences Research Support Librarian Rolando García-Milian for his service on the Yale IACUC. His work was acknowledged by the USDA inspector, who complimented him enthusiastically for this contribution. The CWML takes pride in the work of Rolando and his colleagues supporting IACUC searches. This initiative is just one more way librarians are using their information retrieval expertise to support research on the medical campus.

**RESEARCH FELLOWS**

Dr. Rebecca Brannon, Assistant Professor, History and Interdisciplinary Liberal Studies at James Madison University, visited the CWML thanks to the 2015–2016 Ferenc Gyorgyey Research Travel Grant. Dr. Brannon’s project, Did the Founding Fathers Live Too Long?, investigates how the American Revolution altered and shifted attitudes toward aging and masculinity. She explored the library’s collections on aging and longevity in medical discourse between 1600 and 1820.

The Historical Library sponsored, in collaboration with the Beinecke Library, four research fellows from the Consortium for History of Science, Technology and Medicine. They conducted their research in multiple libraries in the Yale system. Several fellows researched the papers of polio experts and epidemiologists John Rodman Paul and Dorothy Horstmann.

The Stanley Simbonis, M.D. Fellowship, created last year thanks to the generosity of Stanley Simbonis ’53 YC, ’57 M.D., provides a wonderful opportunity to attract a rising star in our field to the CWML. This year we are seeking to host a visiting fellow from one of several national library fellow programs. This is a mutually beneficial relationship that helps our library investigate and launch new services and opportunities, and provides a junior librarian with the experience of working within one of the finest health sciences libraries and medical centers in the country.

“Thank you so much for your meticulous and thorough work. We are quite amazed at the depth and clarity of these searches, and we will certainly use them for guidance in the future.”

—Yale researcher

“I am grateful to the CWML for its support of my project and greatly appreciate the opportunity to investigate an inquiry first raised by Cushing nearly one hundred years ago.”

—Thanks from a recent fellow
Clinical Services

**Clinical Support Tools: UpToDate/DynaMed Plus**

Clinical support tools provide evidence that helps clinicians make informed patient-care decisions, but these resources are also among the most expensive licensed by the library. As costs for these online resources continue to rise, it’s imperative that the library carefully consider purchases and renewals. The CWML, which has been licensing UpToDate for more than a decade, acquired a one-year trial for a new point-of-care tool, DynaMed Plus, to determine if it might be a viable and cost-effective alternative to UpToDate.

A task force made up of clinicians from Yale New Haven Hospital (YNHH) and the Yale School of Medicine (YSM) and CWML librarians conducted a careful analysis of both tools. Librarians facilitated focus groups to better understand the use and perceptions of UpToDate and DynaMed Plus. Librarians also investigated which point-of-care clinical decision-making resources our peer institutions license. Based on the information the team gathered, and skillful negotiations with UpToDate for more favorable pricing, all stakeholders agreed to renew the license for UpToDate for the next three years, and DynaMed Plus for the next full year. We will gather more information on how our constituents are using DynaMed Plus over the next year. The CWML is committed to providing clinicians, faculty, students, staff, and trainees with the best tools for their work at a sustainable price. We appreciate the assistance of everyone who weighed in on the evaluation and look forward to your continuing feedback.

**Support for Graduate Medical Education**

Librarians work closely with the Graduate Medical Education programs of their assigned departments. We provide orientations to new trainees, attend patient-care conferences, participate in ward rounds, and present didactic and hands-on training sessions for residents and fellows. Librarians meet with residents, fellows, and teaching faculty at the Saint Raphael campus. Support for locations outside of New Haven has increased as the YSM/YNHH clinical footprint expands to locations such as the YNH Children’s Hospital at the Bridgeport Hospital campus, Orthopaedics at the Milford Hospital campus, and the North Haven Medical Center on Devine Street. As the clinical enterprise grows, the number of residents and fellows supported by the CWML continues to increase.

Accreditation Council for Graduate Medical Education requirements put increased emphasis on scholarship in residency and fellowship programs. We have responded to these needs by increasing our support for scholarly activities. Librarians have offered targeted trainings on research techniques in a number of programs including Dentistry, Oral and Maxillofacial Surgery, Nephrology, Infectious Diseases, Pediatrics, and Plastic Surgery. We are proud that many programs consider us an integral part of their educational initiatives.

**Supporting YNHH Ninety-Day Clinical Redesign Teams**

To support hospital priorities, clinical librarians expanded their efforts to include support for the hospital’s ninety-day clinical redesign efforts. Interdisciplinary clinical redesign teams fast-track clinical improvements in different care processes to improve the quality of care for patients. Clinical librarians worked with members of redesign teams to support their information needs by performing literature searches and selecting materials pertinent to their area of investigation, such as children’s sepsis, patient mobilization, thoracic surgery blood utilization, and cellulitis care redesign. This work informed the development of ongoing evidence-based care in the hospital setting.
Education Services

**EDUCATION AT THE YALE SCHOOL OF PUBLIC HEALTH**

The CWML welcomed Kate Nyhan as the librarian supporting the Yale School of Public Health (YSPH). Kate works with YSPH faculty, students, trainees, and staff to support research and education. She immediately started making connections: meeting faculty and staff, visiting classes to discuss literature searching, consulting with students in teams and one-on-one, showing people “instant evidence” to answer or contextualize their questions after talks by retrieving relevant articles on her iPad, delivering workshops in departments—even networking at happy hour!

All this activity is in the service of the educational mission of YSPH. The core competencies for public health professionals mention “evidence” two dozen times. Retrieving evidence, evaluating evidence, synthesizing evidence, and contributing to the public health evidence base—these are the skills that students and trainees are here to develop. With her expertise in biomedical literature, scholarly communications, research data management, and geographic information systems, Kate is here to help them.

**C&T SUMMER TRAINING AND DEVELOPMENT**

While the CWML offers workshops year-round to all comers—on PubMed, EndNote, UNIX, bioinformatics, research data management, and more—summer brings a special workshop series: the C&T Summer Training and Development program for Yale’s clerical and technical staff. Librarians hosted eleven workshops about tools and resources staff can use to increase productivity. Traditional library topics were popular, including PubMed, EndNote, and RefWorks. So were workshops drawing on the expanded skill sets of today’s librarians, including research data management and two sessions (because of strong demand) on My Bibliography and SciENcv, NCBI’s tool for grant reporting, compliance, and biosketches. Participants gave positive feedback—“very informative,” “more info than I had expected,” “keep doing what you are doing.” Even better, participants have returned to the library for more workshops and asked librarians to deliver tailored sessions in their departments.

**CLASSES WITH THE HISTORICAL LIBRARY**

Building on their successful model for using special collections with large courses, John R. Bumstead Librarian for Medical History Melissa Grafe and Curator for Prints and Drawings Susan Wheeler offered hands-on sessions to 350 undergraduates in the class Minds and Brains in America, taught by Henry Cowles, Ph.D. Over two and a half days, students discussed the psychology of advertising using smoking advertisements from the William Van Duyn Tobacco Advertisement Collection and public health posters from the Historical Library. These sessions provided students hands-on experience with advertising techniques across many decades.

Kate Nyhan discussing a literature search with Fredua Akosa, M.B.Ch.B., YSPH student in the Advanced Professional M.P.H. Program  
*Photo: Kelly Perry*

Kate Nyhan teaching a C&T summer class on RefWorks  
*Photo: Kelly Perry*
and reinforced the themes taught in the Minds and Brains lectures.

Melissa Grafe met with nearly thirty senior thesis writers in the Program in the History of Science and Medicine. As part of the process in developing a thesis, Melissa helps seniors start their research and excites the students about possibilities for their chosen topic. One grateful senior thesis writer told her, “Thanks so much again for all your help with the thesis; I’m currently in the process of going through all the resources we found, lots of great stuff!”

Thanks to Historical Library staff, rare and authentic materials are integrated into classes across the disciplines: Photography and Science, History of the Body, Women and Medicine, Mental Illness and Crime, Global Health, Global Malaria, Gender and Science in Medicine, Art of the Printed Word, and Biomedical Futures.

New classes offered by CWML

The VERY Basics of the Unix Command Line
Expert Googling
Understanding Research Impact
Managing Research Data
GIS series:
  Searching Geospatial Literature
  Working with Census Data for Social Determinants of Health
  Choosing the Platform for Your Project
  Making Sense of Genetic Variation

Melissa Grafe and Susan Wheeler lead a hands-on session for Henry Cowles’s Minds and Brains class

Photo: Terry Dagradi
The library continues building its varied collections through patron-initiated requests and ongoing review of our existing collections. A selective list of our exciting acquisitions follows.

**LIBRARY-LICENSED RESOURCES AND TOOLS IN THE BIOINFORMATICS RESEARCH WORKFLOW**

In order to provide relevant services, avoid duplication, and foster collaboration with other units on campus, it is important for the CWML to understand the research cycle of high-throughput omics data at Yale University. The library licenses several resources and tools to assist researchers with their work and also uses the content of these resources to provide bioinformatics services, including dozens of training sessions and consultations. Researchers utilize these tools at different points in the bioinformatics research workflow. Partek Flow, a newly licensed resource, is used in primary and secondary analysis of bioinformatics data. BioCyc, Human Gene Mutation Database, Ingenuity Pathway Analysis, and MetaCore are all end-user annotation tools for tertiary analysis of the data.

**NEW POINT-OF-CARE TOOL: DYNAmed plus**

The library now provides access to DynaMed Plus, a new clinical support tool that helps clinical staff determine optimal patient care paths and provides students with a valuable learning tool. The resource is available through the CWML’s Web site, on every clinical workstation, and within Epic. A mobile application is also available. DynaMed Plus content is edited by physicians who follow a strict, evidence-based methodology to select the best and most appropriate evidence. Physician editors in more than twenty different specialties peer-review every topic and confirm the content’s clinical applicability. DynaMed Plus includes the American College of Physicians’ ACP Smart Medicine; the Micromedex Clinical Knowledge Suite; and overviews, recommendations, calculators, graphics, and images.

**NEW DATABASES**

The Historical Library added Popular Medicine in America, 1800–1900, a database of documents held by the Library Company of Philadelphia. This fascinating collection showcases the development of “popular” medicine during the nineteenth century through an extensive range of materials, from trade cards to self-help guides, aimed at the general public. The Historical Library also contributed funds for the purchase of the Women’s Magazine Archive I, containing popular magazines such as Better Homes and Gardens, Ladies’ Home Journal, and Good Housekeeping. All of these magazines contain medical advice and information, often sought by student researchers working on theses and dissertations.

**SELECTED HISTORICAL LIBRARY ACQUSITIONS**

The Historical Library acquired eighty-two new items, including books, manuscripts, and pamphlets. Highlights include a herbarium from 1761, compiled by Jean Seris, a student in surgery in Paris. Specimens in this album of dried plants include stems, leaves, and flowers. The captions, neatly written in ink on pieces of paper glued onto the pages, provide the name of the plant in Latin, its medical uses, and sometimes brief recipes. The Historical Library also acquired letters, newsletters,
Posters from a print media campaign designed for Vertex Pharmaceuticals by the Martin Agency Richmond and released in December 1999

NEW DRAWINGS AND POSTERS
Sixty-two new works were acquired for the collections of prints, drawings, and posters. These include drawings by René Georges Hermann-Paul pertaining to abortion circa 1920 and additional works by artist/activist Sue Coe on Ebola, war, fast food, and factory farming. Of interest to researchers working on transgender issues, the CWML acquired a very rare poster of Holly Woodlawn, Andy Warhol’s movie star, for a benefit performance for the drug rehabilitation center Phoenix House. We added to our collection of World War I posters with calls for home nursing, conservation of medical resources on the home front, collection and distribution of library books for soldiers, and aid for refugees. The CWML also acquired posters on physicians’ advocacy for peace and calls for collection of medical supplies for distribution in areas of conflict.

HUMANITIES IN MEDICINE COLLECTION
The CWML partnered with the Program for Humanities in Medicine to create the Humanities in Medicine Collection. This collection focuses on works of fiction, nonfiction, and poetry relating to the human condition and human experience. Ninety items were added to the collection with the help of CWML staff member Alyssa Grimshaw. The most popular item by far is When Breath Becomes Air, by Paul Kalanithi, a 2007 graduate of the Yale School of Medicine. Dr. Kalanithi died of lung cancer in March 2015 at the age of thirty-seven. The book is a reflection on his experiences and a meditation on the meaning of life.

Library as Place

COOL STRESS RELIEVERS

Study Breaks
Health professionals in training lead busy and stressful lives. Mental breaks are essential, and the CWML is here to meet that need. Fifty board games added to our collection include classics like Chess, Operation, and Monopoly; and newer favorites like The Settlers of Catan, Ticket to Ride, and Carcassonne. Students express appreciation for this new collection and often request that their favorites be added.

Mindfulness
Introduced in 2015, Mindfulness on the Medical Campus provides weekly student-led meditation and mindfulness sessions. Supported by Rahil Rojiani, YSM ’18; Melissa Funaro, Evening/
Weekend Reference Librarian; and Tracy George, Health Educator for Student Wellness, the program is open to the entire Yale community.

Rahil also received a Student Wellness Grant, which sponsored a lecture by Judson Brewer, M.D., Ph.D., Director of Research at the Center for Mindfulness at UMass Worcester Medical School. This successful event attracted 120 people from Yale and the New Haven community. The grant also provided funding to create a wellness room in the CWML. Rahil and Melissa collaborated with Kayla Ringelheim, SOM/YSPH ’18, and the Rev. Candice Provey, Associate University Chaplain, to create a nondenominational space where individuals can meditate, quietly reflect, or practice yoga.

SECOND YEAR SHOW
Over the years, the CWML has had the pleasure of supporting the Yale School of Medicine’s Annual Second Year Shows in a variety of ways. Students used the CWML audiovisual equipment, including video cameras, lights, green screen, and audio recording equipment. They also used the professional video editing software to produce many of the shows’ videos. Library staff offered both technical and psychological support for the film crews and for those recording the actual performance.

Students filmed in almost every corner of the CWML.

The Historical Library collects programs and recordings of Second Year Shows, adding to a collection that includes materials from as far back as the 1970s. Historical Library staff have provided reproductions of the programs and shows for the Second Year Show producers in the past few years, as the students enjoy incorporating material from past shows into the newest production.

As part of an initiative to preserve audiovisual material in obsolete formats, including the Second Year Shows, staff identified recordings on half-inch reel and VHS for digitization. They will be preserved through a collaboration with Yale University Library Preservation. We are looking forward to the inaugural Fourth Year Show in 2018.

CUSHING CENTER AT FIVE YEARS
The Cushing Center marked its fifth anniversary in 2015. Since its inception, visitors from sixty-seven countries have signed our guest book letting us know “they were here,” and were moved by the experience. The lure of “Cushing’s brains” might be what first intrigues visitors, but quickly they discover Harvey Cushing as a pioneering surgeon, scientist, artist, writer, and rare book collector. A small sampling of more than 10,000 patient photos, still being digitized, infuses an interpersonal connection and reminds visitors of the importance of the collaboration between Cushing and his patients.

Last year alone, Terry Dagradi, Coordinator for the Cushing Center, introduced more than two thousand visitors and two hundred...
tours groups to the CWML and to the center. A treasure hunt created for school field trips encourages students to open the twenty-two discovery drawers, examine the beautifully curated exhibits of Cushing’s rare books, and learn from the artifacts and photos of Cushing’s personal and professional life. The Cushing collection inspires students like ninth grader Theresa Barden, who placed first in the National History Day Rhode Island Senior Exhibits Individual division with her project on Dr. Cushing. Closer to home, special Yale programs such as Yale Interdisciplinary Center for Bioethics, Pathways to Science – Brain Education Day, and Yale Center for Analytical Sciences value the center as a resource to incorporate into their programming.

The brain specimens still have research value today. Cynthia Tsay, YSM ’18, is collaborating with Maya Lodish ’03 M.D., M.H.Sc., Program Director for the Pediatric Endocrinology Fellowship at the NICHD, on an NIH research project involving these specimens. Cynthia is now finalizing a paper, “PRKARIA mutation in a historical case of Carney Complex from the Harvey Cushing Tumor Registry.” It’s thrilling to realize there is still much to learn from the work of Cushing and his brave patients.

Two winners of the Beauty of Science contest, Marco Onorati and Kate Henderson
Photo: Terry Dagradi

Exhibits

SEPTEMBER 17, 2015–JANUARY 15, 2016
Historical Illustrations of Skin Disease: Selections from the “New Sydenham Society Atlas” 1860–1884

OCTOBER 17, 2015–JANUARY 15, 2016
Discover the Beauty of Science

JANUARY 21–APRIL 1, 2016
“Contra Cocaine” and Other Works by Robbie Conal, Guerrilla Artist
Deaf: Cultures and Communication, 1600 to the Present
Selections from the Medical Instruments Collection

APRIL 6–AUGUST 29, 2016
The Founding Collection of Prints and Drawings: Bequest of Clements C. Fry
The Life of the Medical Library
The Medical Library at 75

HIGHLIGHTS

Discover the Beauty of Science
In the summer of 2015, we invited Yale biomedical researchers, from undergrads to full professors, to share stunning images from their scientific work. Submissions were reviewed by a committee that included New Haven sculptor Gar Waterman, Sarah Fritchey (Curator/Gallery Director at Artspace New Haven), and Dr. Derek K. Toomre, Associate Professor of Cell Biology and Director of the Yale “CINEMA” Laboratory. The best images were exhibited in the CWML foyer. More than four hundred members of the community selected the Viewer’s Choice. Some of these images now decorate the 24/7 Computer and Study Space in the CWML.

Historical Illustrations of Skin Disease
Curated by Jean Bolognia, M.D., Professor and Vice Chair of Clinical Affairs; Irwin Braverman,
M.D., Professor Emeritus of Dermatology; and Susan Wheeler, Curator of Prints and Drawings, the exhibit *Historical Illustrations of Skin Disease: Selections from the “New Sydenham Society Atlas” 1860–1884* presented the celebrated nineteenth-century life-size color prints to today’s clinical audience. Case histories of the individual patients were available by way of the descriptive catalog that accompanied the atlas. Labels described details of the images’ production, distribution, and reception by the profession. During the three months that the exhibit was on view, members of the Department of Dermatology incorporated it in many of their teaching activities. Groups of residents, medical students, and faculty gathered at the exhibit for clinical discussion of now rare diseases illustrated from life.

**Deaf: Cultures and Communication**

*Deaf: Cultures and Communication, 1600 to the Present,* curated by History of Medicine graduate students Katherrine Healey and Caroline Lieffers, brought in new audiences, including members of the deaf community inside and outside of Yale. Katherrine and Caroline gave two well-attended exhibition tours, screened *Children of a Lesser God,* and hosted Laura Mauldin for a talk on her book *Made to Hear: Cochlear Implants and Raising Deaf Children.* Inspired by the popularity of the exhibit, Katherrine and Caroline created an online version.

**Major Gifts**

Through a generous gift from an anonymous donor, the Historical Library created the Yale Archives of Plastic Surgery. The gift supports a temporary archivist position to process the initial collections from Yale-educated plastic surgeons who are leaders and innovators in the profession. Martha Horan, the part-time archivist, began surveying materials at the beginning of April.

The Yale Archives of Plastic Surgery will form a corpus of material that presents a historic perspective of late-twentieth-century plastic surgery. Without this access to informative narratives, detailed drawings, and historic photographs, future scholars would have lacked the primary sources necessary to understand the work of this generation of plastic surgeons. This archive will include correspondence, patient records, photographs, drawings, office records including billing material, and more.

The Historical Library also received a major gift of visual materials depicting medical practice, public health, disease, and more from the collection of Bert Hansen, Ph.D. The Hansen gift contains more than six hundred prints, including chromolithographs and wood engravings from such nineteenth-century magazines as *Harper’s Weekly,* *Frank Leslie’s Puck,* and *Judge.* Hansen also donated twentieth-century popular magazines.
such as Life and Time, which reported on medical issues. Other materials include a small collection of manuscripts, with diaries, notebooks, case-books, and scrapbooks by medical practitioners or on medical themes, and a set of medically themed comic books.

Finally, the Historical Library thanks present and former medical faculty and students for their gifts in the past year, which include the papers and library of Vincent T. Andriole, M.D., a bacterial and fungal infection expert who was associated with the Yale School of Medicine for nearly sixty years until his death in April 2015; 117 books and five drawings from Michael Kashgarian, M.D., Professor Emeritus of and Senior Research Scientist in Pathology; and archives depicting the history of the Department of Cell Biology, donated by Thomas Lentz, M.D., Professor Emeritus of Cell Biology. The library also received two highly valued books from the family of Richard Breuer ’57 M.D. One was William Beaumont’s classic work on digestion, Experiments and Observations on the Gastric Juice, and the Physiology of Digestion, with a letter from Beaumont to P.C. Fuller providing the Experiments for his review, and Fuller’s response, pasted onto endpapers.

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**Staff Highlights**

**LONGTIME SERVICE AWARDS**

**50 years**

Jeannette Ponzi

**30 years**

Vermetha Polite

**25 years**

Alexandra Mashkautsan

**20 years**

Holly Grossetta Nardini

**10 years**

Melissa Funaro

Mary Hughes

**5 years**

Khadija El-Hazimy

Melanie Norton

**PUBLICATIONS**


**PRESENTATIONS**


Grafe M. “Medicine at the ground level: the Medical Heritage Library and the ongoing development of historical resources.” American Association for the History of Medicine Annual Meeting. 2016. Minneapolis, Minn.


Hersey D. “Formulating and constructing a systematic search methodology to identify evidence gaps for further research.” Aerospace Medical Association Annual Meeting. 2016. Atlantic City, N.J.

Hersey D. “Understanding the research practices of humanities doctoral students at Yale University.” OCLC Research Library Partnership Meeting: The Library in the Life of the User. 2015. Chicago, Ill.


IN THE CURRICULUM


Images of Cushing/Whitney Medical Library events and assorted objects from the Historical Library’s collections are on view through the library’s Instagram account. Launched in May 2015, the account has nearly 7,000 followers around the world.