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Biofeedback Newsletter   Charles M. Baugh Biomedical Library

3-2013

Biofeedback - March 2013

Biomedical Library Staff

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Biofeedback

newsletter

Biofeedback 94 - March 2013

Welcome to spring! Enjoy the March 2013 edition of the Biofeedback newsletter.

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Bi⬤feedback newsletter

Director's Notes - March 2013

You have heard the saying, "the more things change, the more they stay the same." This is especially true for the Biomedical Library. The process of providing relevant health care information has changed a great deal in the last 25 years. In the late 1980's all resources were in print, journal article were found using a print index, and books were found using a print card catalog. To check out a resource, the user needed to come to the library, and sign their name on a check-out card.
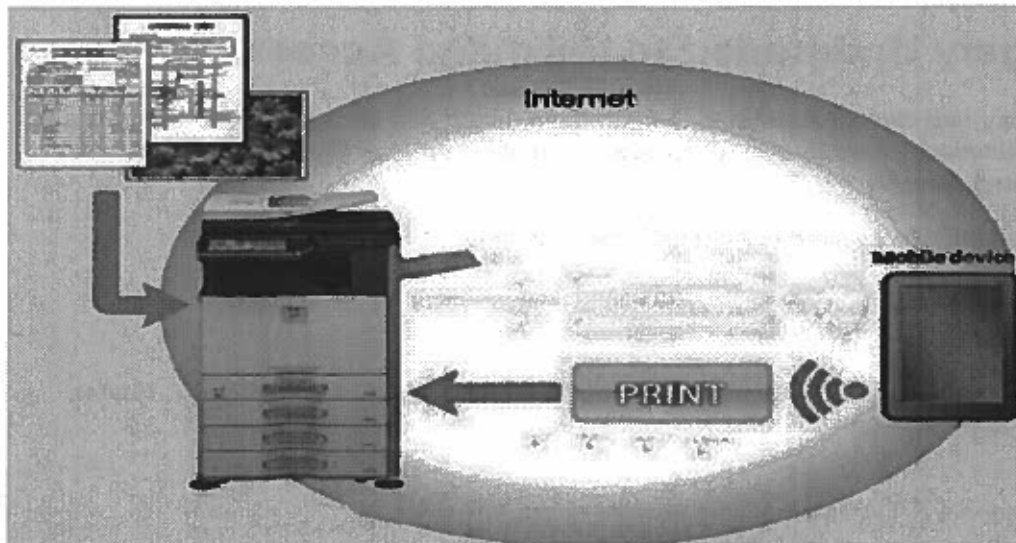
The process of providing relevant health information today means that users can access electronic resources, from their location of choice. Journal articles are located using online databases, and e-books are accessed online. Instead of physically coming to the library, users can download information from their desktop.

But the thing that remains the same is the effort that Biomedical Library employees put forth in providing quality health care information in a format that is convenient to our users. Resources will be provided in the Biomedical Library collection wherever possible, usually electronically, but sometimes in print.. Resources not in the collection can be obtained via the interlibrary loan system. Library instruction, both in person and virtually, is provided to show faculty, staff and students how to use the resources.

Let us know how we can provide the resources and services you need.

Print from Anywhere Arrives at the Biomedical Library

EDIT: Do not print protected patient information over the wireless printing system.

Android, iPhone, iPad and many other mobile devices including laptops can now print wirelessly to our library printers.

We have designed this system to be as easy to use as possible. No installation or registration is needed to print documents, and it is fully integrated into our current system. Pay using the existing TRAC cards (available at all library locations). Print remotely from anywhere to either the campus library or the Health Information Resource Center on the third floor of UMC, and then come to your designated location to pick up your print job. Your document will show on the print station in the printer queue under your email address.

To print from anywhere send the document as an attachment through your email program to print.bbl.library@gmail.com for campus pickup or print.hirc.library@gmail.com for HIRC pickup. On most mobile devices, you can attach a document to an email using the Share feature. Have the document you wish to print open in the app of your choice then select "Share" from your menu, then select E-mail or Gmail.

Tips:

We have found that some apps do not share by attaching a document to an email, but instead send a link to the desired file online, which will not work with this system. For example, Dropbox for Android works correctly, but the Dropbox app for iOS devices shares a link instead of a file attachment. You'll want to choose a different app from which to send documents when you need to print from iOS. For instance, Documents by Readdle, GoodReader, and iAnnotate are all iOS apps that allow users to view and edit files from Dropbox that send shared documents as attachments.

Most document and image file types are supported. However, files from the Pages app will need to be converted to PDF, DOC, or RTF. To print a website, one must first create a document from the content using a PDF-creator, Microsoft Document (or Image) Writer, screen capture tool, or by copy/pasting the desired content into a document.

Results will be black ink only and single-sided.

Fletch Bowling – Systems

AccessSurgery Updgraded to Unlimited Access

The Biomedical Library has closely monitored the database usage and access. Due to the problem that many residents/students were unable to access AccessSurgery, the Biomedical Library has upgraded it to unlimited access.

Some of the essential ebooks covered in AccessSurgery include:

Schwartz's Principles of Surgery, 9e

F. Charles Brunicardi, Dana K. Andersen, Timothy R. Billiar, David L. Dunn, John G. Hunter, Jeffrey B. Matthews, Raphael E. Pollock

CURRENT Diagnosis & Treatment: Surgery, 13e

Edited by Gerard M. Doherty

Trauma, 7e

Kenneth L. Mattox, Ernest E. Moore, David V. Feliciano

Zollinger's Atlas of Surgical Operations, 9e

Robert M. Zollinger, Jr. and E. Christopher Ellison

Illustrations by Marita Bitans and Jennifer Smith

Also the Surgery: Pretest Self-Assessment and Review is an excellent source for residents studying for the board tests.

Surgery: Pretest Self-Assessment and Review, 13e
Lillian S. Kao and Tammy Lee

National Institutes of Health Public Access Policy

The National Institutes of Health (NIH) Public Access Policy became effective April 7, 2008. This policy requires that all Investigators (PD/PIs) funded by NIH submit or have submitted for them to the National Library of Medicine's PubMed Central an electronic version of their final, peer-reviewed manuscripts upon acceptance for publication, to be made publicly available no later than 12 months after the official date of publication. This policy applies to all peer-reviewed manuscripts accepted for publication after April 7, 2008.

The specifics of this policy are: 1) This policy applies to all peer-reviewed articles that arise, in whole or in part, from direct costs funded by NIH; 2) Institutions and PD/PIs are responsible for ensuring that any publishing or copyright agreements concerning submitted articles fully comply with this Policy; 3) The final, peer-reviewed manuscript includes all graphics and supplemental materials that are associated with the article; and 5) Anyone submitting an application, proposal or progress report to the NIH must include the PMC or NIH Manuscript Submission reference number when citing applicable articles that arise from their NIH funded research. See Notice NOT-OD-08-033.

NIH announced that beginning this spring, "NIH will delay processing of non-competing continuation grant awards if publications arising from that award are not in compliance with the NIH Public Access Policy. The award will not be processed until recipients have demonstrated compliance." See Notice NOT-OD-12-160.

Recently NIH announced, "NIH will delay processing of any award with a start date of July 1, 2013 or beyond if publications arising from it are not in compliance with the NIH Public Access Policy." See Notice NOT-OD-13-042.

The enhanced policy will take effect in tandem with NIH requiring the use of the Research Performance Progress Report (RPPR) for all Streamlined Non-competing Award Process (SNAP) and Fellowship awards. The RPPR will be required for awards with start dates on or after July 1, 2013 (i.e., due dates on or after May 15, 2013, for SNAP awards and May 1, 2013, for Fellowships). See Notice NOT-OD-13-035.

The RPPR requires PD/PIs to report publications using a Commons linked My NCBI account. The RPPR publication section (C.1) is pre-populated with the PD/PI's publications from My NCBI. Submitting a RPPR with a non-compliant publication will generate an automated email notifying the grantee that the progress report includes citations that are out of compliance with the Public Access Policy and requesting a response by a specified due date. Every paper must be compliant; PD/PIs will be required to provide substantial justification for any publications that do not demonstrate compliance with the policy. The award will not be processed until awardees have demonstrated compliance. See Notice NOT-OD-12-160.

As a recipient of NIH funds, the University must be in compliance with this policy. To comply, NIH PD/PIs will need to show compliance by including the PMC number (PMCID) for applicable articles in applications, proposals and progress reports. If a PMC reference number is not yet available, the PD/PIs can include the NIH Manuscript Submission system reference number (NIHMSID) for papers in press, or papers that were published less than three months before the submission of an application, proposal or progress report. The PD/PIs must include either a PMCID or an NIHMSID at the end of the full citation. Please note when the University submits an application for funding or a progress report the University is certifying the completeness and accuracy of the information. See Notice NOT-OD-09-136.

National Institutes of Health Public Access Policy (cont.)

The Health Systems Grants Administration and Development Office (HSGAD) will be scheduling training and informational sessions in collaboration with the USA Biomedical Library. Information regarding these sessions will be sent to you via campus email. NIH and HSGAD advises PD/PIs to use their My NCBI account to track compliance for their publications now, and to ensure all publications arising from their awards are posted to PubMed Central in accordance with the policy prior to May 2013 when the enhanced policy goes into effect.

HSGAD and the USA Biomedical Library will provide assistance to PD/PIs to make sure the University is in compliance with the new enhanced policy. Please do not hesitate to call Ashley W. Turbeville, Director, HSGAD at 460-6307 or email her at aturbeville@southalabama.edu or Trey Lemley, Biomedical Library, lemley@southalabama.edu . We do not want your award to be delayed because of non-compliance. You may also go to this URL to find helpful information: http://www.southalabama.edu/hsgrants/nih.html

—Ashley Turbeville

AccessMedicine and AccessSurgery Custom Curriculum

AccessMedicine or AccessSurgery Custom Curriculum is a functionality that enables directors to create, track, and report usage of rotations online. With the Custom Curriculum, programs directors are free to build a resource that matches their unique needs, mapping AccessMedicine or AccessSurgery and external contents and capabilities to their education structure.

As an alternative to creating activities from scratch, program directors can choose to modify existing activities by adopting one from the Shared Library. Johns Hopkins Medical School, University of Alabama at Birmingham, University of California-Davis, and others have all added rotations from their curricula to the Shared Library fro the use of other Internal medicine programs.

- Register for a My AccessMedicine account
- Email your username to customcurriculum@mhprofessional.com and request to be enabled as a Custom Curriculum instructor for either students or residents
- Begin creating your own custom curricula or customizing existing curricula

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	Principles of Critical Care > Chapter 46. Sepsis with Acute Organ Dysfunction	Incomplete
MULTIMEDIA:	Pain Management	Incomplete
LEARNING TOOLS:	Case Files > Pathophysiology of Disease > 1	Incomplete
ADDITIONAL ASSIGNMENTS: Click on "Mark as Completed" to report completion.	PubMed Article www.pubmed.gov	Mark as Completed

PubReader View: A New Way to Read Articles in PMC

When reading articles, users often flip back and forth between pages of the article to review tables and figures or to check on references. Reading a PDF is more convenient than reading in HTML, but still doesn't provide the same format offered by print. Because of this readers often print out articles, making the reviewing of the article more convenient while using physical and visual landmarks. NCBI has developed a presentation style, PubReader to make reading easier. Like a printed paper, PubReader breaks an article into multiple columns and pages to improve readability and navigation. Also, PubReader can expand a page to fit screen size of desktop monitors or tablets. Font size can be adjusted and page boundaries and columns are adjusted automatically. To try the click on the "PubReader" link for article included in a PMC search result list.

(http://www.nlm.nih.gov/pubs/techbull/nd12/nd12_pubreader.html)

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Clipboard   Remove all items

Mapping the core journals of the physical therapy literature

Dennis W Fell, Judy F Burnham, Melanie J Buchanan, Heidi A Horchen, Joel A Scherr

J Med Libr Assoc. 2011 July; 99(3): 202–207. doi: 10.3163/1536-5050.99.3.007

Correction in: J Med Libr Assoc. 2012 January; 100(1): 78.

PMCID: PMC3133899

Article   PubReader   PDF–245K   Supplementary Material   Correction   Remove from clipboard

Correlation analysis of the side-chains conformational distribution in bound and unbound proteins
BMC Bioinformatics. 2012; 13: 238.

unbound states. The differences between bound and unbound DADPs induced by biological protein-protein interactions or crystal contacts disappeared at the 70° grid spacing for interfaces and 30° for non-interface surface. The two-fold difference in the critical grid spacing indicates larger changes at the interface than on the rest of the surface. While the earlier studies [18,24,25] observed this trend for the side-chain rotamers, this study validates it by a more general approach based on the DADPs.

Methods

The analysis was performed on the non-redundant Dockground Benchmark 3 set of bound and corresponding unbound protein structures [26]. The set consists of 233 complexes, with the unbound structures of both interacting proteins for 99 complexes, and the unbound structure of one interacting protein for 134 complexes. The following criteria were used for generating the set: sequence identity between bound and unbound structures > 97%; sequence identity between complexes < 30%; and homomultimers, crystal packing, and obligate complexes excluded.

The core residues change conformation upon binding less

than the surface ones [24]. Thus, our study focused on the surface residues only. Surface residues were defined as those with the relative solvent-accessible surface area ≥ 25% in bound and unbound state. The change of the residue solvent-accessible surface area (SASA) upon binding was used to differentiate the interface residues from the non-interface ones. SASA was calculated using Naccess [27]. The interface residues were defined as those losing > 1 Å^2 SASA upon binding. The statistics of the interface and non-interface residues in the bound and unbound structures are summarized in Table 1. The difference between the numbers of bound and unbound interface/non-interface residues reflects the difference between the number of bound and unbound protein structures in the Dockground set.

Table 1
Number of surface residues in bound and unbound proteins

Side chain conformations were represented by dihedral angles, calculated by Dangle [28]. All dihedral angles varied from −180° to 180°, with exception of the last dihedral angle in Phe, Tyr, Asp and Gln [2], which varied from 0° to 180°
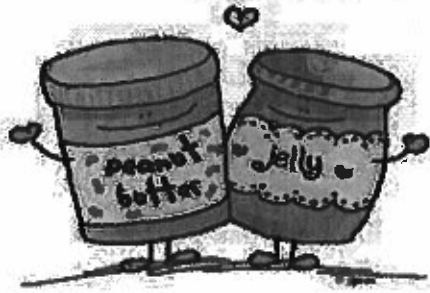
Informatics CE Course at Biomedical Library

The National Network of Libraries of Medicine (NN/LM) will offer a CE course entitled "Informatics for Librarians: Peeling the Onion" on May 21, 2013, at the USA Biomedical Library (Room 222). The course will begin with a history and overview of clinical informatics, followed by a presentation on the impact of federal government reforms on healthcare information technology. Other topics covered include informatics in relation to care delivery and the preparation of future informaticians.

The course will be taught by PJ Grier, Outreach and Access Coordinator for the National Library of Medicine. In addition to being a medical librarian, Mr. Grier recently earned a graduate certificate in Clinical Informatics from the Johns Hopkins University.

Although there will be computers available, it is suggested that participants bring their own laptops. To register, please contact Trey Lemley at (251) 460-6888 or lemley@southalabama.edu.

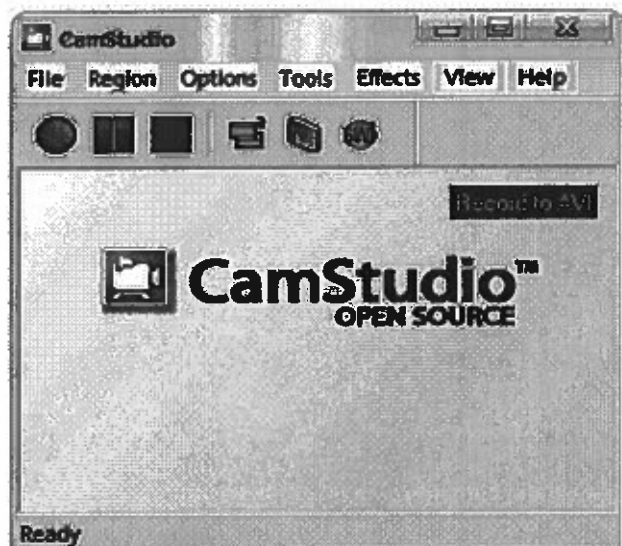For full particulars, go to: http://nnlm.gov/training/informatics/.

PB&J Day

April 2 is PB&J Day. Peanut butter and jelly sandwiches are not only a great snack, but for many, a meal. On April 2, stop by the campus Biomedical Library and enjoy a PB&J snack. And bring along a jar of peanut butter or a jar of jelly to be donated to the Bay Area Food Bank.

CamStudio Screencasting Program

CamStudio is an open-source screencasting program that has the capability to record a computer's screen and audio activity for the purpose of creating AVI video files and Streaming Flash videos (SWFs). First released in 2001, it works on a Windows operating system and is very useful in creating demonstration videos or video tutorials. CamStudio allows for the insertion of captions, and through the use of custom cursors, it is possible to select portions of the screen to be recorded, instead of the entire screen. Best of all, CamStudio is totally free to download and is released under a General Public License (GPL). Furthermore, according to the website, CamStudio may be used for commercial purposes.

For further information (and a free download), see http://camstudio.org/.

Pew Internet & American Life Project Statistics

The Pew Internet & American Life Project provides unbiased information on issues, attitudes and trends shaping America and the world. Pew is a great source of statistics and information that indicates the impact of the internet on families, communities, work and home, daily life, education, health care, and civic and political life. This information may be helpful to include in grant proposal or articles. Recent Pew reports include:

- Teens and Technology
- How Teachers are Using Technology at Home and in their Classrooms
- Demographics of Social Media Users
- Coming and Going Facebook
- Tracking for Health
- Health Online
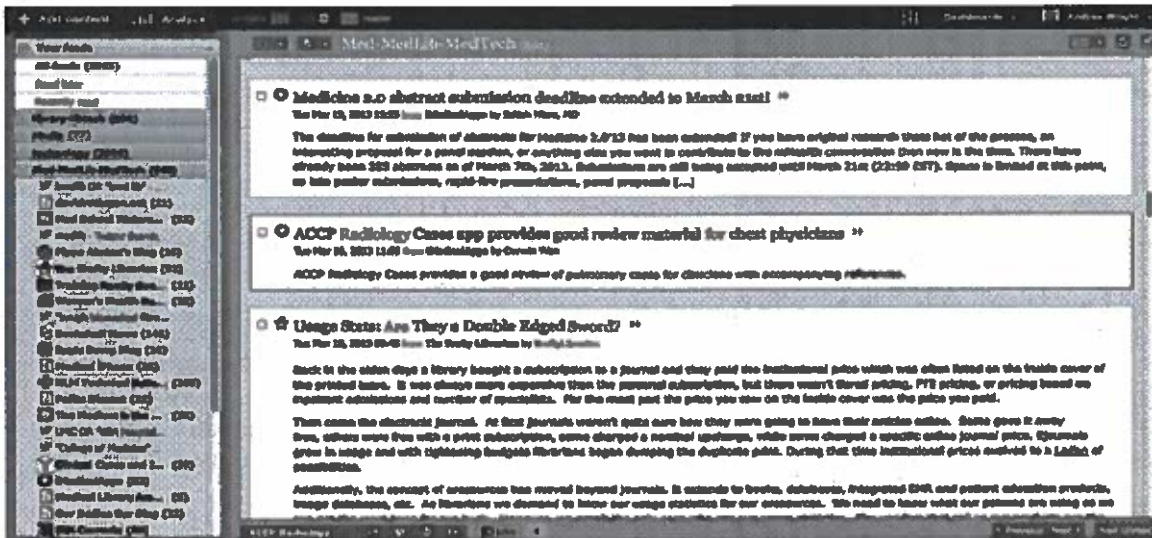
Tech Corner: Google Reader Replacements

RSS (Really Simple Syndication) is a technology that can be incredibly useful to busy academics or clinicians who need to read the latest journal articles, but don't have much time. (If you haven't been introduced to RSS, watch this short, corny, and informative video.) Of particular use to scholars, newly published database search results and new journal issues can all appear right in your RSS reader together with other news and blog posts from around the web, without you having to search them out every time you are ready to read.

I have been able to introduce many people to RSS since becoming a librarian, and I've usually encouraged them to use Google's RSS feed reader to collect all of that information. Sadly, Google announced last week that they would be closing down Reader, leaving scholars, journalists, techy-types, and other information consumers in the lurch. If you use RSS or would like to try it out, never fear! Because I've compiled some alternatives for you below.

There are a few types of feed reader, but I'm going to focus on web-based solutions that can be used anywhere, rather than programs that are downloaded to a computer and can be used offline.
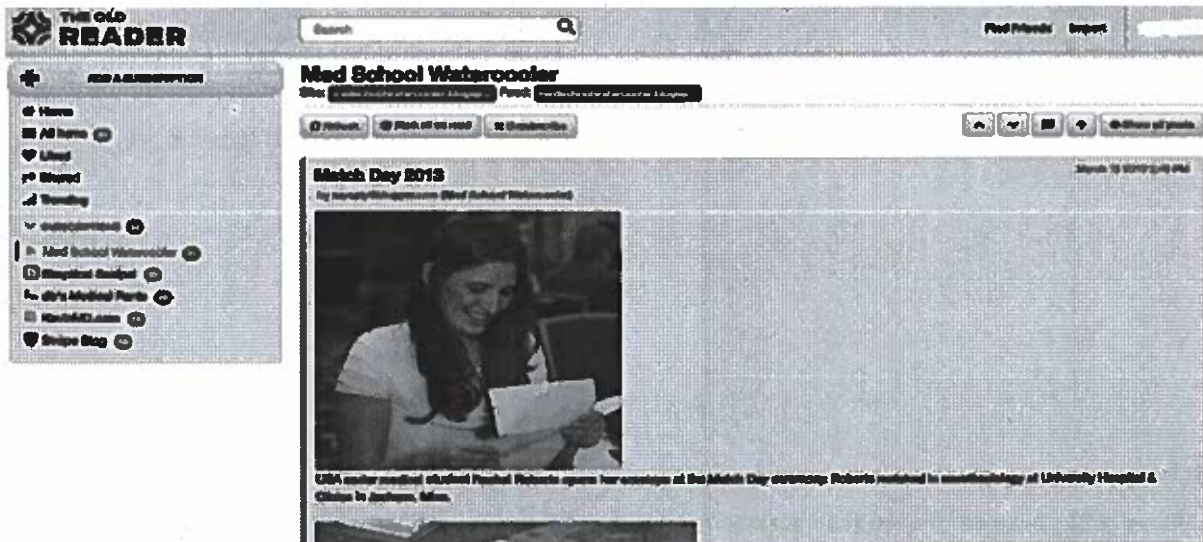

Feedly

Feedly is a big favorite among the replacements. In addition to a clean, graphic look, its great iPad, iPhone, and Android apps help it stand out. Feedly does take some adjustment for former Google Reader users, as it is set up with a more visual interface out of the box and has slightly different short-cut keys for power users. It does allow for adjustments to its display, both in its preferences area, and for individual feeds, using the gear icon at the top right side of each feed. Feedly automatically pulls in your Google feeds when you sign in using your Google account, and it will automatically switch you over to Feedly's new background servers as soon as Google Reader disappears. A big weakness for travelers is the fact you cannot sync Feedly and view the the articles offline later, for instance on a plane. Feedly does work with popular "Read It Later" applications like Pocket and Instapaper that do allow for offline reading, but where Feedly really shines is in the tablet application, where you can move quickly and easily through a lot of information in a beautiful package.

Netvibes

Netvibes has had a personalized-homepage service for a long time, but it now has a reader interface (reached from a switch in the bar at the top of the page) that allows it to function like a traditional RSS Reader. This is very similar to Google Reader in how it looks and works and will work for utilitarian RSS users. It does not, however, offer ways to share what you find in your Reader. Nor are there Netvibes mobile apps. (The regular homepage works just fine on an iPad, though.) To move to Netvibes from Google Reader, you will need to export your feed data from Google, and then import it into Netvibes using the "Add Content" button, then selecting "Import" under the "Add a Feed" section.

The Old Reader

The Old Reader is made to be exactly what most people left in the lurch now wish for: a beautiful, clean version based on Google Reader before Google started stripping out its sharing features pushing people to Google+. The Old Reader is meant to make Google Reader users feel right at home while bringing back some beloved, but lost features. However, The Old Reader has been having a hard time scaling to meet this sudden new demand. One has to import your old Google feeds into The Old Reader using the OPML file, and the service has quickly gotten back-logged. My feeds have still not appeared 24 hours after I started the import. In fact, it informs me that there are still 44689 users in the queue ahead of me. There has also been some doubt expressed online about a lack of business plan for the site. But for those feeling homesick for the Google Reader interface, there is no homier alternative.

Other alternatives

Google Reader is going to be around until July 1, 2013, and there are many different sites vying for its users. Digg, for instance, has announced that it is building a Google Reader replacement. So you may want to wait and reassess the situation at the end of the semester. There are also lots of great mobile and tablet RSS readers and other news aggregating apps out there that allow you to see newly published information in whole new ways, like Flipboard, Zite, and Pulse. While this was definitely an unfortunate announcement, it has provided the opportunity for a reexamination of how many of get our news and scholarly publications.

Biofeedback's blog | **Add new comment**

What about Digg Reader?

Those are some great alternatives. I have been seeing images and articles about the new Digg reader. It looks nice and seems like an ejoyable experience. I do like your suggestions here though and I will give a few of these a shot to see how it is. I have been dying for a new RSS reader. Thanks!

reply

MEDLINE Statistics

MEDLINE is a premier database for locating health care information. It includes citations from medicine, nursing and allied health disciplines. From 1995 to 2011, the number of journals indexed in the MEDLINE database grew from 3823 to 5559 and the number of citations included in the database grew from 392,354 to 724,831. MEDLINE, using the PubMed interface can be accessed from the Biomedical Library Databases page.

http://www.nlm.nih.gov/bsd/index_stats_comp.html

Faculty Publications - January-March 2013

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