



Neuro-Ophthalmology Virtual Education Library: NOVEL NANOS 2010

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<http://NOVEL.utah.edu/>





The Neuro-Ophthalmology Virtual Education Library

A discipline specific, open access repository of digital materials (images, video, lectures, articles and animations), to be used for educational and research purposes by health care professionals, educators, patients, and students.

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Collections



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[Cogan, David G](#)



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[Kardon, Randy](#)



[Kennerdell, John S](#)



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[Sadun, Alfredo A](#)



[Smith, J Lawton](#)



[Walsh Sessions](#)



[Wilhelm, Helmut](#)



[Wray, Shirley H](#)

New NOVEL URL - <http://NOVEL.utah.edu>



Improved Searching

- **Advanced Search**
 - From NOVEL home page, searches all collections

The screenshot shows the NOVEL home page search interface. At the top left is the NOVEL logo. The main heading is "The Neuro-Ophthalmology Virtual Education Library". Below this is a navigation bar with links: home, browse, advanced search, preferences, my favorites, credits, using the collections. The search area is titled "Search:" and includes options for "Across all fields", "Selected fields", "By proximity", and "By date". Under "Find results with:", there are two rows of search criteria. The first row has "All of the words" selected, the search term "See-Saw Nystagmus", and "Subject" selected as the field. The second row has "The exact phrase" selected, the same search term, and "Subject" selected as the field. There are buttons for "search" and "clear all".

The screenshot shows the search results page for "See-Saw Nystagmus". The page title is "The Neuro-Ophthalmology Virtual Education Library". The search results are displayed in a table with columns for "Image", "Title", "Subject", and "Description". There are 6 results shown, with the first one expanded to show a PDF document. The results are as follows:

Image	Title	Subject	Description
	He See, He Saw, He Conquered	Nystagmus, pendular (binocular & monocular); Headaches; Visual loss; Hydrocephalus; Nystagmus, see saw	A 22-year-old man had severe headaches and was found to have papilledema. His vision declined in both eyes over several weeks.
	See-Saw Nystagmus	See-Saw Nystagmus	
	See-Saw Nystagmus	See-Saw Nystagmus	7-year-old female whose mother noticed her eyes "bouncing" for 2 months. Visual acuity 20/70 OD and 20/40 OS; reduced color vision OU, and no afferent pupillary defect. See-saw nystagmus documented with...
	See-saw Nystagmus	See-Saw Nystagmus	
	See-saw Nystagmus MRI 1	See-saw Nystagmus	MRI: See-saw Nystagmus



Improved Searching

- Individual Collections
 - From link within individual collections, searches only that collection

The Shirley H. Wray Neuro-Ophthalmology Collection

TABLE OF CONTENTS | WRAY COLLECTION HOME | NOVEL HOME

advanced search

NAVIGATION TREE

home : browse : advanced search : preferences : my favorites : credits : using the collections

Search results for **Progressive External Ophthalmoplegia**

results 1-5 of 5 item(s) page 1 of 1 : (<< 1 >>) :: previous : next

Refine your search

Creator Shirley H Wray, m.d, ... (5)

select all : clear all : add to favorites

Image:	Title:	Subject:	History:
<input type="checkbox"/>	1. Progressive External Ophthalmoplegia	Unilateral Ptosis; External Ophthalmoplegia Affecting Uptake; Normal Pupils; Progressive External Ophthalmoplegia (PEO); Mitochondrial Myopathy; Unilateral Progressive External Ophthalmoplegia;	This 48 year old woman, who was first seen by a neurologist in March 1989, with a 7 year history of progressive unilateral ptosis, mild facial weakness and generalized fatigue. On examination she had ptosis...
<input type="checkbox"/>	2. Progressive External Ophthalmoplegia	Bilateral Ptosis; Facial Weakness; Complete External Ophthalmoplegia; Normal Pupils; Bilateral Progressive External Ophthalmoplegia (PEO); Mitochondrial Myopathy;	The patient is a retired physician, age 70, who recalls having eye muscle exercises as a child way back in 1924. Years later, she noted difficulty in focusing her eyes on horizontal gaze to the right and...
<input type="checkbox"/>	3. Progressive External Ophthalmoplegia	Bilateral Ptosis; Facial Weakness; Complete External Ophthalmoplegia; Bilateral Progressive External Ophthalmoplegia (PEO); Mitochondrial Myopathy; PEO plus Deafness; Cerebellar Degeneration with Ataxia;	In 1995 I published this case alongside eleven personal cases, three with the Kearns-Sayer Syndrome (KSS) and five with Progressive External Ophthalmoplegia (PEO). Am J of Neuroradiol:16 (5):1167-1173....



NOVEL Collections

- **Shirley H. Wray, MD, PhD**
 - Completed the collection this year – 161 cases
 - 73 teaching PPT presentations also added this year
 - Metadata updated on all cases
 - Complete case reports
 - Searching of collection

The Shirley H. Wray Neuro-Ophthalmology Collection

Shirley H. Wray, M.D., Ph.D., FRCP
Professor of Neurology, Harvard Medical School
Director, Unit for Neurovisual Disorders
Massachusetts General Hospital

This collection is part of the NOVEL project.

Career

Collection

Dr. Wray has contributed her video archive of teaching cases in Neurology and Neurovisual Disorders to the Neuro-Ophthalmology Virtual Education Library (NOVEL) Collection. Her collection, built over 30 years, is a uniquely valuable teaching and learning resource.

Links of Interest
North American Neuro-Ophthalmology Society (NAOOS)
The Journal of Neuro-Ophthalmology

In partnership with the Spencer S. Eccles Health Sciences Library

Acknowledgements of Support
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Harvard Medical School Provost Fund 2004
National Institute of Health
National Library of Medicine 2006-2008
Contributors / Donors

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- <http://NOVEL.utah.edu/Wray>



NOVEL Collections

- **Walsh Society Meetings** – 1335 objects, growing
 - Added 450 abstracts for 1973-1984, 2009
 - 2005 - 2009 - PPT, abstracts, PPT, video
 - 1973 -2004 - abstracts
 - *Missing 6 years: (1969-1972), 1980, (1987, 1990)
 - <http://NOVEL.utah.edu/Walsh>

Walsh Society Annual Meeting Archives

Frank B. Walsh, M.D. (1895-1978)
Professor of Ophthalmology
Wilmer Institute
Johns Hopkins School of Medicine

This collection is part of the NOVEL project
Add | Search | About | Contact Us | Home

[Career](#)
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[Enter the Collection](#)

JOHNS HOPKINS MEDICINE

In partnership with the Spencer S. Eccles Health Sciences Library

Links of Interest:

- [North American Neuro-Ophthalmology Society \(NANOS\)](#)
- [The Journal of Neuro-Ophthalmology](#)



NOVEL Collections

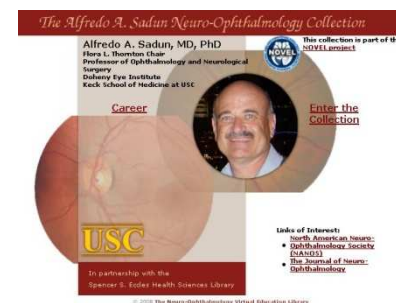
- **Robert B. Daroff Collection - NEW**
 - 56 video
 - Case Western Reserve University
 - Eye movement disorder videos from the VHS set produced in 1990
- **Prof. Dr. med. Helmut Wilhelm – NEW**
 - 39 video cases
 - Universitäts-Augenklinik, Tübingen, Germany
 - Quiz game in PPT format





NOVEL Collections

- **Moran Eye Center – 99 objects**
 - 17 video cases added, many to add
- **John S. Kennerdell Collection – 66 cases**
 - Orbital surgery cases cataloged,
 - Web site and browse menus developed
 - Peer review in progress
- **Alfredo A. Sadun Collection – 92 lectures**
 - “100 best lectures” in PPT-PDF format
 - Cataloged, ready for peer review
 - Web site and menus developed






Patient Portal

- 16 topics covered, 5 in development
- Redesigned with patient friendly descriptions
- Added foreign language brochures
- Brochures are indexed in the NOVEL database
- Links to authoritative sources
 - NOVEL resources
 - Medline Plus – consumer health information
 - PubMed – current literature
 - Support groups, Societies, Association web sites
 - <http://NOVEL.utah.edu/portal>



<http://library.med.utah.edu/NOVEL/portal>



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NOVEL: Patient Portal

General Information

- [Guide to eye disease terms from the Medical Library Association](#)

CONDITIONS

Condition	Description
Anisocoria	Anisocoria means that the pupil in the right eye and left eye are not the same size.
Anterior Ischemic Optic Neuropathy	Most patients with AION notice a sudden disturbance in their vision.
Blepharospasm	Blepharospasm is a condition in which uncontrolled blinking, squeezing, and eyelid closure occur in both eyes.
Drusen	Drusen are yellow deposits under the retina. Patients usually have no symptoms and do not notice any problem with their vision.
Dry Eye Syndrome	Itching, burning, a scratchy sensation, a sensation that there is sand or grit in the eye, or intermittent blurring of the vision can all be symptoms of "dry eyes"
Hemifacial Spasm	The patient with Hemifacial spasm experiences involuntary contractions, called "spasms," of the muscles on one side of the face.
Homonymous Hemianopia	Homonymous hemianopia refers to a condition in which a person can see only to one side, the left or right.
Microvascular Cranial Nerve Palsy	Microvascular cranial nerve palsy can cause weakness in one or more muscles. If the eyes aren't moving together the patient will experience blurred or double vision.
Migraine	A migraine is a very painful type of headache. During migraines, people may experience nausea and vomiting as well as light and sound sensitivity.



JNO Archives

- Lippincott Williams & Wilkins (LWW) has transferred the complete collection of JNO electronic archives to NOVEL
- 1994 – 2007 available online
- 2008 in process
- <http://NOVEL.utah.edu/jno>



<http://library.med.utah.edu/NOVEL/jno>

NOVEL: Journal of Neuro-Ophthalmology Archives

2008

- [March 2008, Volume 28, Issue 1](#)

2007

- [March 2007, Volume 27, Issue 1](#)
- [June 2007, Volume 27, Issue 2](#)
- [September 2007, Volume 27, Issue 3](#)
- [December 2007, Volume 27, Issue 4](#)

2006

- [March 2006, Volume 26, Issue 1](#)
- [June 2006, Volume 26, Issue 2](#)
- [September 2006, Volume 26, Issue 3](#)
- [December 2006, Volume 26, Issue 4](#)

2005

- [March 2005, Volume 25, Issue 1](#)
- [June 2005, Volume 25, Issue 2](#)
- [September 2005, Volume 25, Issue 3](#)
- [December 2005, Volume 25, Issue 4](#)

2004

- [March 2004, Volume 24, Issue 1](#)
- [June 2004, Volume 24, Issue 2](#)
- [September 2004, Volume 24, Issue 3](#)
- [December 2004, Volume 24, Issue 4](#)

2003

Journal of Neuro-Ophthalmology

The Official Journal of the North American Neuro-Ophthalmology Society

March 2004 • Volume 24 • Number 1

EDITORIAL

1 Treatment of Intracranial Aneurysms: Clipping or Coiling?

24 Bilateral Occipital Lobe Hyperperfusion Demonstrated by Single Photon Emission Computed Tomography During Seizure



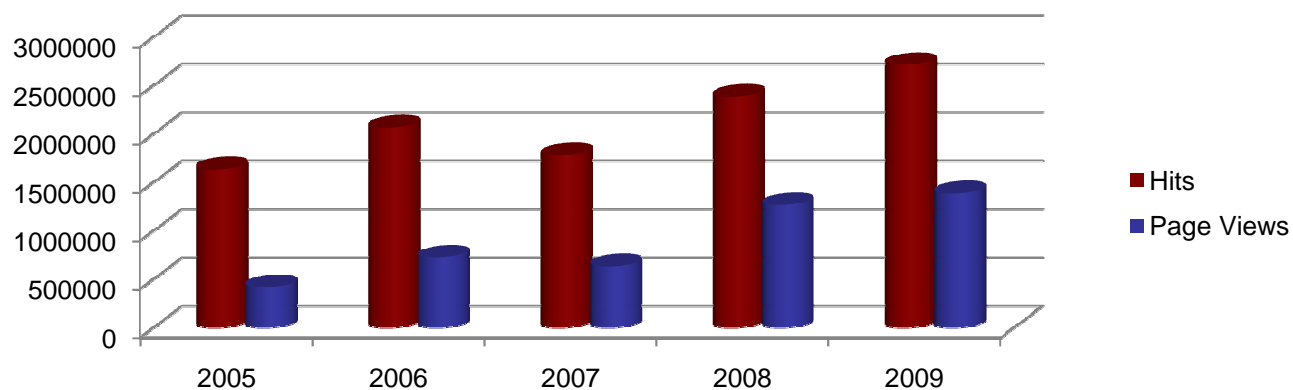
NOVEL Collections

- **David Newman-Toker** , **growing**
 - Animation, lectures
 - Skew deviation animation under development
 - Videos in progress
 - Will be added to home page soon



NOVEL Web Site Usage

NOVEL Web	2005	2006	2007	2008*	2009
Hits	1,640,958	2,072,613	1,785,154	2,357,067	2,270,000
Page Views	422,915	731,571	639,614	1,236,651	1,390,283
Visits	305,309	341,047	406,878	207,332	199,974



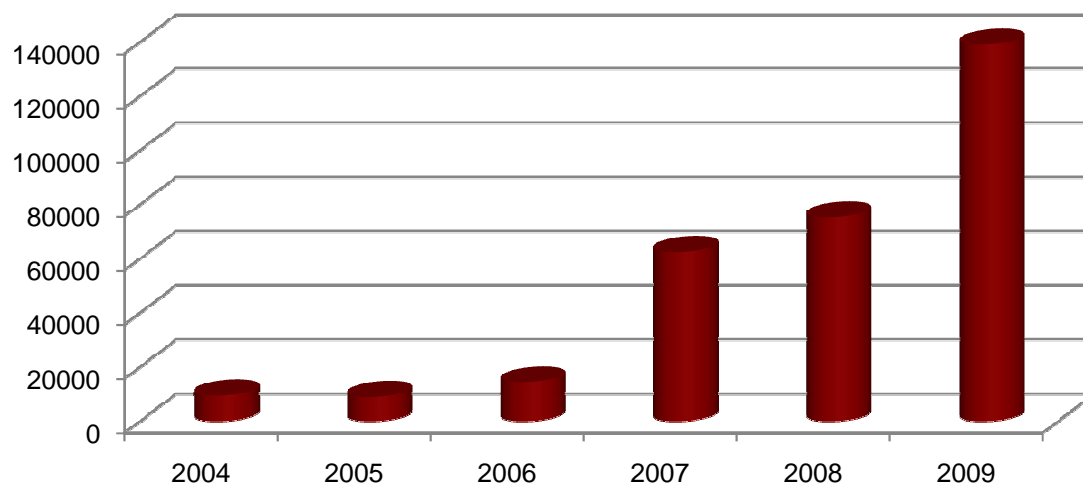
- 71,617 unique visitors in 2009
- Web site redesigned, changed organizational structure, impacted usage stats



Video Usage Statistics

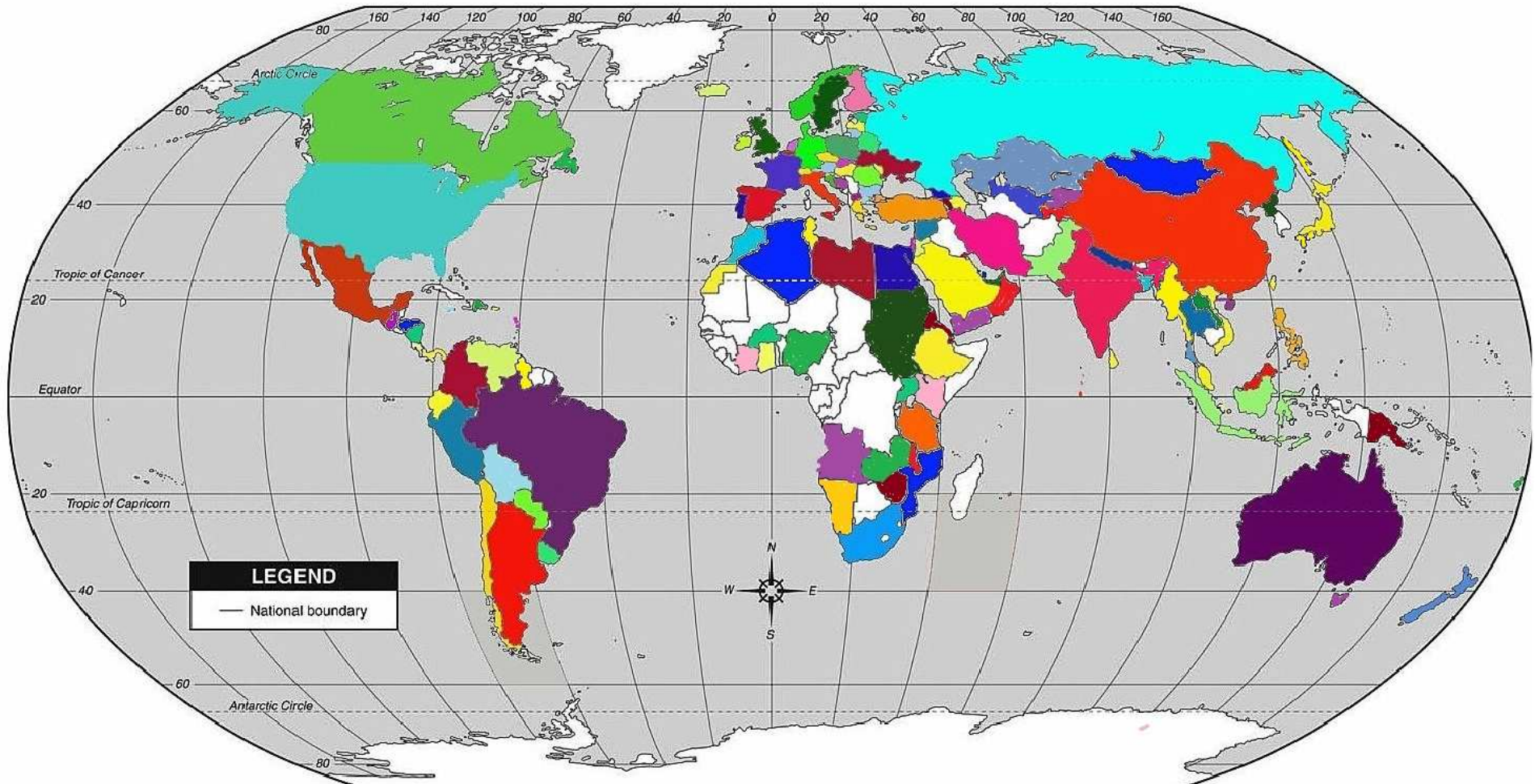
2004 - 2009

Video Usage	2004	2005	2006	2007	2008	2009
Number of Clips Accessed	9,463	8,956	14,365	62,420	75,296	139,117





International Visits Global Reach



146 countries have NOVEL users in 2009!



Video Usage Statistics

International 2009

101 Countries	139,117 Video	102,166 Visits		
United States/ 77,199	Yugoslavia/ 194	South Africa/ 30	Kenya/ 8	Cyprus/ 1
Egypt/ 3,948	Belgium/ 188	Vietnam/ 26	Brunei Darussalam/ 6	Qatar/ 1
China/ 2,343	Turkey/ 177	Philippines/ 24	Ukraine/ 6	Saint Lucia/ 1
Japan/ 2,227	Portugal/ 176	Greece/ 24	Panama/ 5	Luxembourg/ 1
Indonesia/ 1,597	Korea, Republic of/ 165	Austria/ 24	Venezuela/ 5	Lebanon/ 1
India/ 1,582	Ireland/ 151	Colombia/ 22	Sudan/ 5	Maldives/ 1
Canada/ 1,559	Malaysia/ 149	Puerto Rico/ 19	Dominican Republic/ 4	Netherlands Antilles/ 1
United Kingdom/ 1,098	Russian Federation/ 149	Kuwait/ 18	Gibraltar/ 4	Albania/ 1
Hong Kong/ 1,067	Mexico/ 143	Dominica/ 18	Andorra/ 4	
Iran, Islamic Republic of/ 899	Saudi Arabia/ 129	Oman/ 17	Algeria/ 3	
Australia/ 806	New Zealand/ 126	Slovenia/ 15	Lithuania/ 3	
Singapore/ 730	Thailand/ 99	Romania/ 14	Saint Kitts and Nevis/ 3	
Spain/ 650	Denmark/ 98	Slovakia/ 14	Costa Rica/ 3	
Germany/ 615	Argentina/ 89	Czech Republic/ 13	Cayman Islands/ 3	
Sweden/ 512	Norway/ 79	Grenada/ 12	Honduras/ 2	
France/ 360	Peru/ 75	Jamaica/ 12	Barbados/ 2	
Italy/ 342	Hungary/ 72	Jordan/ 12	Yemen/ 2	
Uruguay/ 339	Syrian Arab Republic/ 61	Bulgaria/ 11	Bahamas/ 2	
Netherlands/ 286	Poland/ 54	Iceland/ 10	Bahrain/ 2	
Brazil/ 278	Nepal/ 44	Chile/ 10	Latvia/ 2	
Israel/ 267	Finland/ 42	Estonia/ 9	Saint Vincent and the Grenadines/ 2	
Switzerland/ 218	Bangladesh/ 40	Pakistan/ 9	Satellite Provider/ 2	
Taiwan/ 209	Croatia/ 37	Antigua and Barbuda/ 9		
	United Arab Emirates/ 32	Ghana/ 8		



Web Usage Statistics International 2009

144 Countries	189,382 Visits	71,617 unique visitors		
United States 165,545	Finland 231	Jordan 37	Guatemala 9	Bahamas 3
Australia 2,724	New Zealand 223	Ukraine 37	Libya 8	Tuvalu 2
Canada 1,967	Hong Kong 201	Nepal 33	Bolivia 8	Azerbaijan 2
Russian Federation 1,591	Czech Republic 195	Venezuela 32	Mongolia 8	Gibraltar 2
Switzerland 1,510	Singapore 184	Puerto Rico 31	Bangladesh 7	Honduras 2
Europe 965	China 181	Trinidad and Tobago 30	Bermuda 7	St. Lucia 2
Germany 872	Arab Emirates, United 170	Bulgaria 29	Armenia 7	St. Kitts and Nevis 2
United Kingdom 865	Belgium 155	Estonia 29	Cote D'Ivoire (Ivory Coast) 7	Tunisia 2
United Kingdom 858	Thailand 155	Syria 24	Nigeria 5	Maldives 2
India 723	Romania 140	Latvia 24	Paraguay 5	Malawi 1
Korea (South) 676	Hungary 133	Lithuania 22	Belarus 5	Macau 1
Spain 630	Denmark 127	Iceland 22	Mauritius 5	Guyana 1
Netherlands 594	Colombia 113	Antigua and Barbuda 21	Antilles, Netherlands 5	Zimbabwe 1
Italy 552	Malaysia 111	Ethiopia 20	Macedonia 5	Eritrea 1
Brazil 488	Norway 100	Cyprus 19	Ecuador 5	Papua New Guinea 1
Sweden 444	Iran 95	Barbados 18	Bahrain 5	Uganda 1
Portugal 416	Indonesia 87	Lebanon 16	Luxembourg 4	Grenada 1
Japan 394	Viet Nam 80	Yugoslavia 16	Qatar 4	Micronesia 1
Ireland 363	Pakistan 71	Uruguay 15	Sri Lanka 4	Kazakhstan 1
South Africa 363	Austria 62	Kenya 14	Christmas Island 4	Monaco 1
Mexico 358	Dominican Republic 57	Morocco 13	Samoa 3	Panama 1
Saudi Arabia 326	Croatia (Hrvatska) 55	Namibia 12	Algeria 3	Uzbekistan 1
Turkey 300	Philippines 54	Slovenia 12	Myanmar 3	Kyrgyzstan 1
Greece 285	Slovak Republic 51	Niue 11	Fiji 3	Angola 1
France 264	Chile 49	Moldova 11	Zambia 3	
Israel 260	RS 47	Georgia 11	Jamaica 3	
Taiwan 246	Peru 47	Brunei Darussalam 11	Bosnia and Herzegovina 3	
Poland 242	Dominica 47	Costa Rica 10	Oman 3	
Argentina 240	Ghana 44	Nicaragua 9	Tanzania 3	
Egypt 235	Kuwait 42	Malta 9	Cayman Islands 3	



**Visit the NOVEL Table or Poster Session for
a NOVEL demonstration!**

Feel free to contact us at:

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Kathleen Digre, kathleen.digre@hsc.utah.edu

Larry Frohman, frohman@umdnj.edu

NOVEL Web Site
<http://NOVEL.utah.edu/>



Doodle and Google:

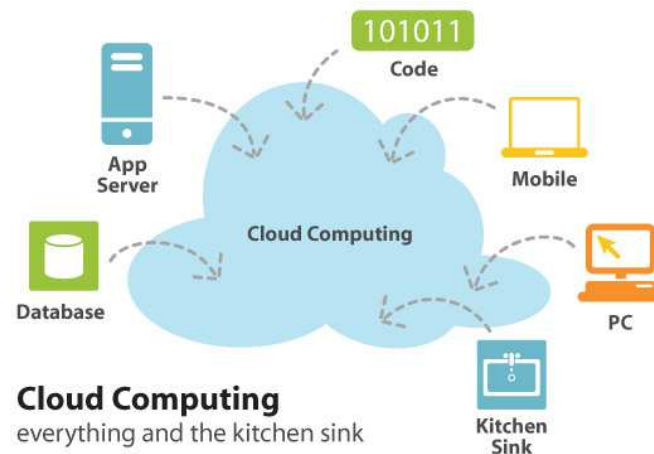
Online tools to make your life easier!

- **Free online tools exist that can help you:**
 - Arrange meetings more effectively
 - Aide you in scholarly research
 - Collaborate with colleagues
 - Organize and share images and video
 - Share EndNote libraries (bibliographies)



Cloud Computing!

- A way of computing, via the Internet, that broadly shares computer resources instead of using software or storage on a local PC.
- Paradigm shift – no longer need to keep everything on your computer
- Use shared network space
- Access from anywhere with an Internet connection





Cloud Computing: Advantages

- Lower computer and software costs
- Improved performance
- Instant software updates
- Improved document format capability
- Unlimited storage capacity (not really)
- Increased data reliability (backed up)
- Universal document access (from anywhere, anytime)
- Easier group collaboration
- Device independence – platform agnostic



Cloud Computing: Disadvantages

- Constant Internet connection required
- Poor performance on low speed connections
- Stored data can be lost
- May not be secure
- Privacy uncertain – not necessarily HIPAA compliant!
- No control over features or upgrades
- Lots of logins and passwords!



Free Online Tools




**If you try it,
you might like it**



Doodle: Easy scheduling

- Schedule an event
- Make a choice (poll)
- Doodle tracks your events
- Can link to Google Calendar
- <http://www.doodle.com/>

Schedule an event **Make a choice** **Help**



... such as a board meeting, business lunch, conference call, family reunion, movie night, or any other group event.
[View example](#)

Schedule event »



Google Scholarship Tools

- **Google Scholar**
 - Simple way to broadly search for scholarly literature
 - covers articles, theses, books, abstracts, court opinions, more
 - Search across many disciplines and sources
 - Set your preferences so that Google Scholar knows your primary library to get to licensed resources
 - Cited By: tells how many times the article has been cited
 - Related Articles: Search for articles on similar subjects
- <http://scholar.google.com/>



Google Scholarship Tools

- **Google Books**
 - Search the full text of books that are scanned using optical character recognition (OCR)
 - Public domain works and out-of-print works can be printed in PDF format
 - More than 10 million books
 - Allows you to preview many book and magazine titles
 - Create a personalized library which allows you to organize, review, rate, search and share a customized selection of books
- <http://books.google.com/>



Google Scholarship Tools

- **Google Desktop**
 - Makes searching your computer as easy as searching the web with Google
 - Full text search over your email, files, music, photos, chats, Gmail, web pages that you've viewed, and more
 - Helps you gather new information from the web and stay organized with gadgets and sidebar
 - Installed locally on your computer
- <http://desktop.google.com/>



Collaboration Tools

- **Google Groups**
 - Share documents, post discussions, and create web pages with colleagues and friends
 - Allows groups of people to communicate, manage and archive documents
 - Collaborative online workspace
 - Group is limited to 100 MB to store photos, documents and more
 - File size is limited to 10 MB
- <http://groups.google.com/>



Collaboration Tools

- **Google Docs**
 - Collaborate with colleagues across time and space
 - Documents can be shared, opened and edited by multiple users
 - Available from any computer with Internet access
 - Permission settings determine who can and cannot view and/or edit the documents
 - Keeps a revision history of documents previous versions are available
- <http://docs.google.com/>



Collaboration Tools

- **Google Calendar**
 - Web based calendar, available anytime, anywhere
 - Organize and track appointments
 - Create different calendars to help organize the different parts of your life
 - display individually, or mixed together
 - Optionally share calendars publicly or with a specific group of people
 - Sync to another calendar (ie, Outlook) or mobile device
 - Link documents to calendar events using Google Docs
- <http://calendar.google.com/>



Collaboration Tools

- **Picasa and YouTube**
 - Very easy to share an image on the Web or a video clip on the Web or on YouTube
 - Import images and video from your camera, or other devices
 - Share images and video via Picasa Web Albums
 - Post video clips to YouTube directly from Picasa
 - Requires installing Picasa locally on your computer
- <http://picasa.google.com/>



EndNote Library Sharing

- **EndNote Web**
 - EndNote Libraries can be shared with colleagues
 - Facilitate the process of co-writing a journal article, book chapter
 - EndNote Web is the web-based bibliographic management program stored on a central server and available from any online browser
 - Create a group of references specific to your publication and then share that group with another EndNote Web user
- <http://www.endnoteweb.com/>



Questions



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