





PORTICO

Amy Kirchhoff

Archive Service Product Manager

[amy.kirchhoff@ithaka.org](mailto:amy.kirchhoff@ithaka.org)

Workshop evaluation: [bit.ly/nercomp\\_future15](http://bit.ly/nercomp_future15)

#NercompPDO2







# Rhind Mathematical Papyrus

A History of the World in 100 Objects



Speed 1x

Sleep Timer



0:03 | -13:54





Explore > A History of the World > Objects

## A History of the World in 100 objects

A 100 part series by Neil MacGregor, Director of the British Museum, exploring world history from two million years ago to the present.

Objects featured in the series can be explored and their stories discovered in the Museum galleries or here on the website through the links below.

### Explore the objects

By theme > By gallery >

A BBC/British Museum partnership

Share this page



Explore > A History of the World > Objects

## A History of the World in 100 Objects

### 17. Rhind Mathematical Papyrus

An ancient Egyptian papyrus used by scribes – it contains 84 mathematical problems.

[Listen to this programme on the BBC >](#)

This is the most famous mathematical papyrus to have survived from Ancient Egypt. It contains 84 different mathematical problems - such as how to distribute 100 loaves of bread among a workforce in different ratios. Such skills were constantly needed by scribes - the administrators of the Egyptian society. This papyrus was placed in its owner's tomb as a sign of his highly educated status. Papyrus documents are made from the papyrus reed, which is common in the Nile valley but relatively expensive.

Why did maths first develop?

Complex societies like Egypt required maths to create buildings, manage food supplies and compute the flood levels of the Nile. The Egyptians were renowned by the Greeks as masters of geometry. However, very little evidence of complex Egyptian mathematics survives. Mathematics also developed in Mesopotamia, including the system of dividing time into units of 60 that is still used today for minutes and seconds. Higher maths, such as deductive reasoning and logic, developed in Greece from 500 BC onwards.

Not currently on display.



Themes Galleries

1. Making us human 2,000,000 - 9000 BC
2. After the Ice Age: food and sex 9000 - 3500 BC
3. The First Cities and States 4000 - 2000 BC
4. The Beginning of Science and Literature 1500 - 700 BC





Explore > Highlights >

## Rhind Mathematical Papyrus

Thebes, Egypt, end of the Second Intermediate Period, around 1550 BC

A number of documents have survived that allow us insight into the ancient Egyptians' approach to mathematics. This papyrus is the most extensive.

It is not a theoretical treatise, but a list of practical problems encountered in administrative and building works. The text contains 84 problems concerned with numerical operations, practical problem-solving, and geometrical shapes.

The majority of literate Egyptians were scribes and they were expected to undertake various tasks. These must have demanded some mathematical as well as writing skills.

The Rhind Mathematical Papyrus is also important as a historical document, since the copyist noted that he was writing in year 33 of the reign of Apophis, the penultimate king of the Hyksos Fifteenth Dynasty (about 1650-1550 BC) and was copied after an original of the Twelfth Dynasty (about 1985-1795 BC).

On the other side of the papyrus 'year 11' is mentioned, with a reference to the taking of some Egyptian towns. This probably refers to the fighting between the Egyptians and the Hyksos before the beginning of the New Kingdom (1550-1070 BC). However, it is not certain to which king 'year 11' refers.

The papyrus was acquired by the Scottish lawyer A.H. Rhind during his stay in Thebes in the 1850s.



Use this image >

Explore > A History of the World > Objects

## A History of the World in 100 Objects

### 17. Rhind Mathematical Papyrus

An ancient Egyptian papyrus used by scribes – it contains 84 mathematical problems.

[Listen to this programme on the BBC >](#)

This is the most famous mathematical papyrus to have survived from Ancient Egypt. It contains 84 different mathematical problems - such as how to distribute 100 loaves of bread among a workforce in different ratios. Such skills were constantly needed by scribes - the administrators of the Egyptian society. This papyrus was placed in its owner's tomb as a sign of his highly educated status. Papyrus documents are made from the papyrus reed, which is common in the Nile valley but relatively expensive.

#### Why did maths first develop?

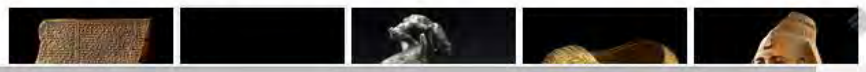
Complex societies like Egypt required maths to create buildings, manage food supplies and compute the flood levels of the Nile. The Egyptians were renowned by the Greeks as masters of geometry. However, very little evidence of complex Egyptian mathematics survives. Mathematics also developed in Mesopotamia, including the system of dividing time into units of 60 that is still used today for minutes and seconds. Higher maths, such as deductive reasoning and logic, developed in Greece from 500 BC onwards.

Not currently on display.



**Themes** Galleries

- 1. Making us human 2,000,000 - 9000 BC
- 2. After the Ice Age: food and sex 9000 - 3500 BC
- 3. The First Cities and States 4000 - 2000 BC
- 4. The Beginning of Science and Literature 1500 - 700 BC**





Explore > Highlights >

## Rhind Mathematical Papyrus

Thebes, Egypt, end of the Second Intermediate Period, around 1550 BC

A number of documents have survived that allow us insight into the ancient Egyptians' approach to mathematics. This papyrus is the most extensive.

It is not a theoretical treatise, but a list of practical problems encountered in administrative and building works. The text contains 84 problems concerned with numerical operations, practical problem-solving, and geometrical shapes.

The majority of literate Egyptians were scribes and they were expected to undertake various tasks. These must have demanded some mathematical as well as writing skills.

The Rhind Mathematical Papyrus is also important as a historical document, since the copyist noted that he was writing in year 33 of the reign of Apophis, the penultimate king of the Hyksos Fifteenth Dynasty (about 1650-1550 BC) and was copied after an original of the Twelfth Dynasty (about 1985-1795 BC).

On the other side of the papyrus 'year 11' is mentioned, with a reference to the taking of some Egyptian towns. This probably refers to the fighting between the Egyptians and the Hyksos before the beginning of the New Kingdom (1550-1070 BC). However, it is not certain to which king 'year 11' refers.

The papyrus was acquired by the Scottish lawyer A.H. Rhind during his stay in Thebes in the 1850s.



Use this image >

BBC RADIO 4 logo, heart icon, pause icon, volume icon

Loading...

- Schedule, Stations, Favourites, ?



09:45 TUE 9<sup>th</sup> FEBRUARY 2010

# A History of the World in 100 Objects

## The Beginning of Science and Literature (1500 - 700 BC), Rhind Mathematical ...

Neil MacGregor describes man's early calculations on an Egyptian papyrus fragment.

[MORE EPISODES](#)

[Related links \(3\)](#) [More like this](#)



BBC - Radio 4 A History of the World...

www.bbc.co.uk/radio/player/b00qg5mc

Search UK Radio

BBC RADIO 4

0:13:42

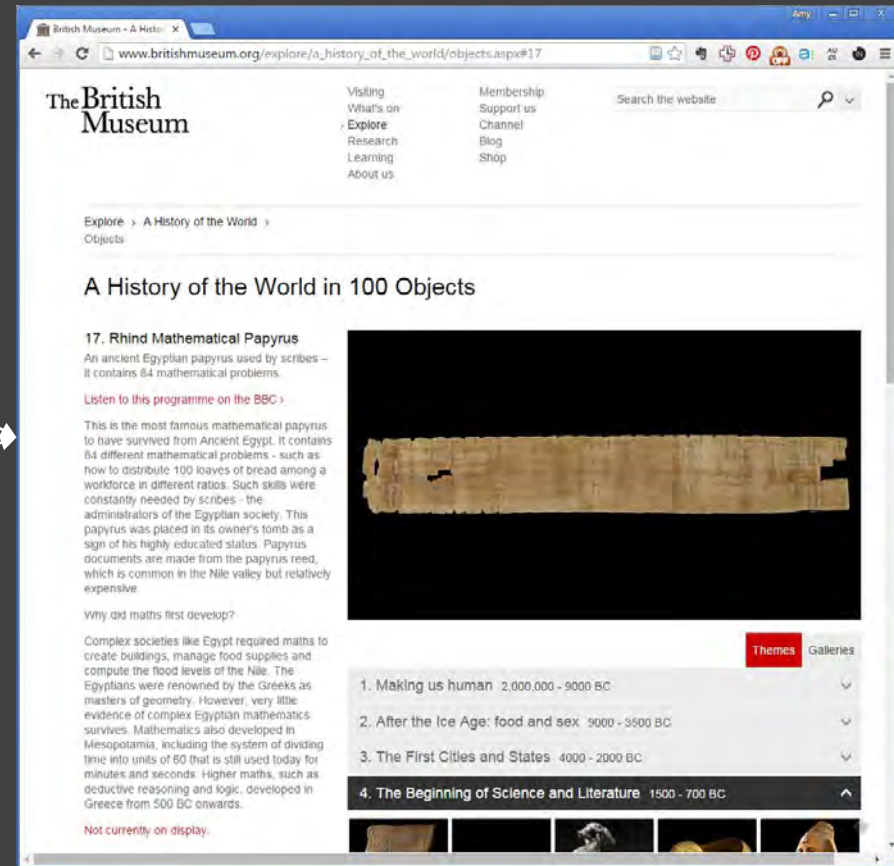
Schedule - Stations - Favourites - ?

09:45 TUE 9<sup>th</sup> FEBRUARY 2010

## A History of the World...

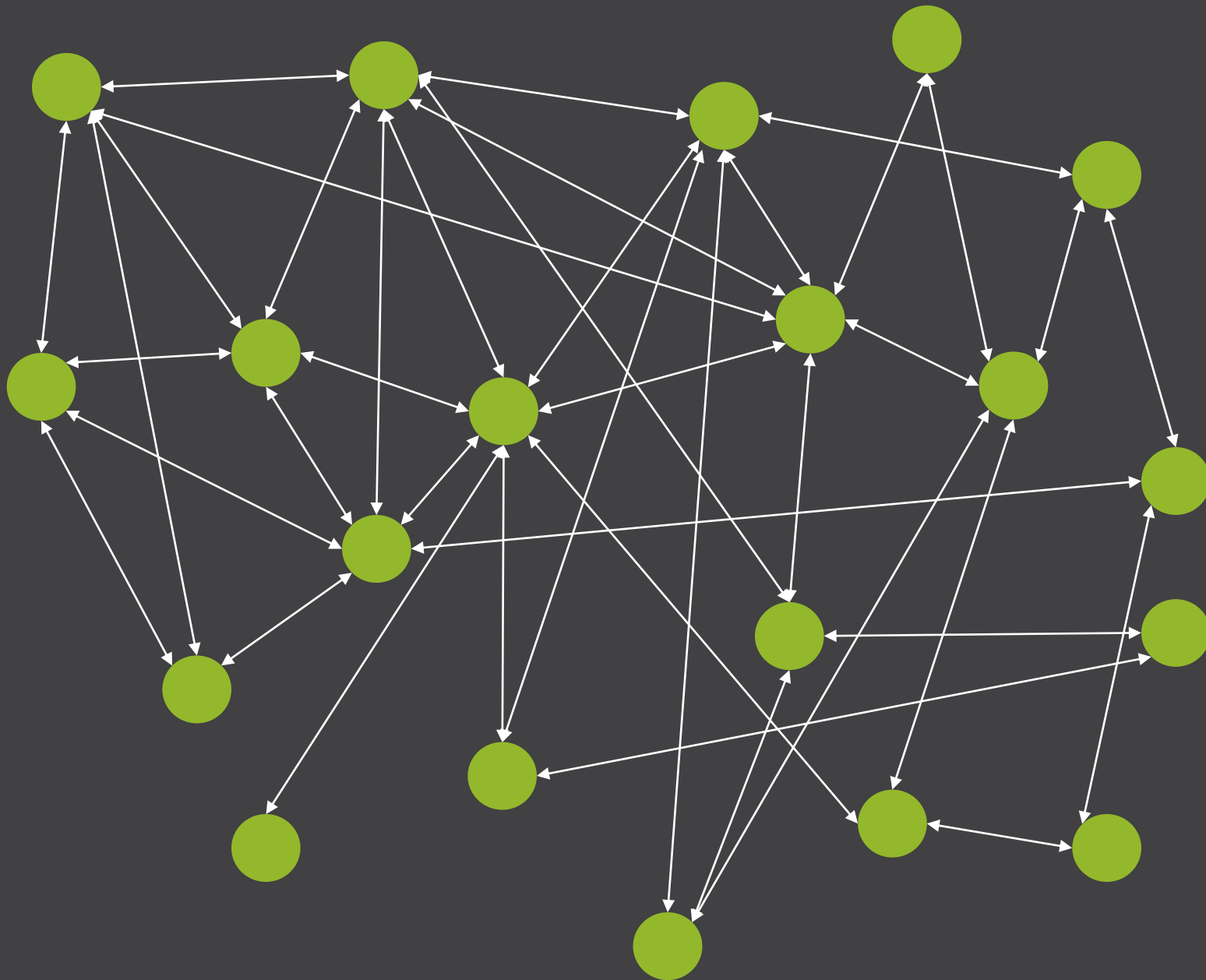
### Related links

- [More about this object](#)  
WWW.BBC.CO.UK
- [The British Museum](#)  
WWW.BRITISHMUSEUM.ORG
- [Read the programme transcript](#)  
WWW.BBC.CO.UK



#NercompPDO2





#NercompPDO2

# Networked



- Amy Kirchhoff
- Edit Profile
- FAVORITES
- News Feed
- Messages 16
- Events 1
- Photos
- Zentangle® 20+
- Sketchbook Skool 20+
- Daisy Yellow 201... 20+
- Artist's Journal W... 20+
- Saved 1
- SUGGESTED
- DeConstructed Art...
- lthaka
- GROUPS
- DeConstructed Art...
- Families with Chil... 20+
- New Groups 3
- Create Group
- APPS
- Games 4
- On This Day
- Words With Friends
- Ancestry
- Notes
- Games Feed 20+
- FRIENDS
- lthaka
- Close Friends 20+
- Family
- Ewing, New Jerse...
- Princeton University
- lthaka
- INTERESTS

Update Status Add Photos/Video Create Photo Album

What's on your mind?

Friends Post

**USFWS National Wildlife Refuge System**  
11 mins · 🌐

Archie Carr National Wildlife Refuge, FL, set a green sea turtle nest record: 13,916 nests on September 18. This is the first time the number has topped 13,000. The refuge's 20.5 miles of beach is home to 25-30 percent of the nation's endangered green sea turtle nests. The extraordinary nesting success could mean that more than 760,000 green sea turtle hatchlings will emerge. Four decades ago, experts thought the turtle might go extinct.  
Photo by Laura Gooch  
Follow Archie Carr Refuge on Facebook: <http://on.fb.me/1KqZVMY>



139 Likes 2 Comments 25 Shares

Like Comment Share

- 1 event invite
- TRENDING
- Jill Soloway: 'Transparent' Director Says 'We Have a Trans Civil Rights Problem' in Emmy Speech
  - Richard Dawkins: Biologist Says Teenager Detained for Clock Didn't Invent It, Questions Motives
  - Brick Township, New Jersey: Police Search for 2 Men Who Attempted to Abduct Girl
- See More

SPONSORED

Create Ad

**Millions of Meetings**  
gotomeeting.com  
Meet how the pros meet: GoToMeeting, the #1 choice for simplicity and reliability.

**Not to toot our own horn**  
cricketwireless.com  
But, at Cricket, we've got smartphones starting at \$29.99. Plus no annual contracts.

Nicholas Kirchhoff

English (US) · Privacy · Advertising · Ad Choices

Night time

Facebook © 2015

OK

- TRENDING AMONG FRIENDS
- Agar.io
  - FAMILY FEUD 2 & Friends!
  - Agar.io
- RECOMMENDED GAMES
- Agar.io
  - Agar.io
- Zoe Thompson likes Luca Guariento's photo.
  - Wendy Ritz commented on Krista Golden's post.
  - Mary Farmer Daley likes Van Kapeghian's photo.
  - Susan GATKUS Efferth likes GATES Police Department's post.
  - Jennifer Frisbee- Knight likes Randy Rowland's post.
  - Amy Kelsey Zaprowski likes Pazuz Macneil's post.
  - Elaine Schwartz FEELING EXTREMELY LUCKY AND THANKFUL
  - Erin Cosenza likes Kerry Washington's post.
  - Nicholas Kirchhoff
  - Benjamin Einstein
  - Petrie Montgomery
  - Noelle Kirchhoff 2d
  - Joy Kirchhoff 2d
  - Zoe Thompson 1m
  - Rebecca Rapp

Element name filter

- html
  - head
  - body
    - div "nav"
      - img "../photos/profile.jpg"
      - ul
        - li Profile
        - li Contact Info
        - li "selected" Wall
        - li Photos
        - li Synced Photos
        - li Videos
        - li Friends
        - li Messages
        - li Pokes
        - li Events
        - li Settings
        - li Security
        - li Ads
        - li Mobile Devices
        - li Places
        - li Survey Responses
  - div "contents" Amy Kirchoff
  - div "footer" Downloaded by Amy Kirchoff or

```

25     </ul></div>
26 <div class="contents"><h1>Amy Kirchoff</h1><div><p><div class="meta">Monday, September 21, 2015
27   at 12:53am EDT</div>Amy Kirchoff added a new photo to the album Mobile Uploads.<div
28   class="comment">A boy and his puppy dog sound asleep in my bed ...</div></p><p><div
29   class="meta">Sunday, September 20, 2015 at 2:24pm EDT</div>Karli Champ wrote on your
30   timeline.<div class="comment">Amy! I am not sure if I told you, but I figured out
31   the unicorn hack and it's wonderful. :)</div></p><p><div class="meta">Sunday,
32   September 20, 2015 at 11:39am EDT</div>Amy Kirchoff added a new photo to the album
33   Timeline Photos.<div class="comment">Today's task (around Young Pinocchio's away
34   soccer game).</div></p><p><div class="meta">Sunday, September 20, 2015 at 11:33am
35   EDT</div>Amy Kirchoff updated her status.<div class="comment">My subconscious gnawed
36   over something last night, because I woke up with my jaw aching from all the teeth
37   grinding that I apparently did last night.</div></p><p><div class="meta">Friday,
38   September 18, 2015 at 7:58pm EDT</div>Amy Kirchoff updated her status.</p><p><div
39   class="meta">Friday, September 18, 2015 at 12:07pm EDT</div>Amy Kirchoff updated her
40   status.</p><p><div class="meta">Friday, September 18, 2015 at 9:09am EDT</div>Amy
41   Kirchoff updated her status.<div class="comment">I have a list of 12 urgent things to do.
42   But, now, I really must select just one to be the focus of the day.
43   Sigh.</div></p><p><div class="meta">Thursday, September 17, 2015 at 11:58pm EDT</div>Amy
44   Kirchoff updated her status.<div class="comment">I was going to work tonight, but I
45   didn't stop doing things (schlepping, dishes, laundry, studying with The Princess,
46   and reading with other kids) until 11:45 and I crawled into bed and thought, yeah, not
47   going to pull out that laptop of mine. I see one or two art videos in my future, until I
48   can't keep my eyes open anymore (a moment which is fast approaching). BTW, went all
49   bad Momma and skipped the middle school back-to-school night today. Instead, I walked
50   the dog while Young Pinocchio had soccer practice. It was a good
51   choice.</div></p><p><div class="meta">Thursday, September 17, 2015 at 11:51pm
52   EDT</div>Amy Kirchoff updated her status.<div class="comment">Other recent items from my
53   sketchbook. Not sure yet of the final design for the circles, flowers, and houses or the
54   crazy ink spots, but I will make something of them. The red swatches are me playing with
55   the five, red copic markers in which I indulged this week.</div></p><p><div class="meta"
56   >Thursday, September 17, 2015 at 11:48pm EDT</div>Amy Kirchoff added a new photo to the
57   album Mobile Uploads.<div class="comment">Done in 15 mins while waiting for The Big Girl
58   and listening to an audio book tonight. The right side was done from memory and other
59   points of reference because in that big empty lot, someone pulled in and parked in front
60   of the car I was drawing.</div></p><p><div class="meta">Thursday, September 17, 2015 at
61   2:29pm EDT</div>Amy Kirchoff updated her status.<div class="comment">A day broken up by
62   a gazillion appointments, both at work and tonight. I'm kind of flitting from here
63   to there to here ... very little focus.</div></p><p><div class="meta">Tuesday, September
64   15, 2015 at 9:25am EDT</div>Amy Kirchoff updated her status.<div class="comment">I woke
65   up with a headache, a scratchy throat, a vague feeling that I hadn't gotten enough
66   sleep, and a general sense of ennui. Not the most auspicious of starts. We'll see
67   if the handful of ibuprofen and zyrtec I took for breakfast (no worries, I had a bagel
68   and cream cheese, too), combined with flonase squirts helps shake the stuffing in my
69   head out.</div></p><p><div class="meta">Monday, September 14, 2015 at 12:34pm
70   EDT</div>Amy Kirchoff updated her status.<div class="comment">Hah!!!!</div></p><p><div
71   class="meta">Monday, September 14, 2015 at 12:33pm EDT</div>Amy Kirchoff updated her
72   status.</p><p><div class="meta">Monday, September 14, 2015 at 11:57am EDT</div>Amy
73   Kirchoff updated her status.<div class="comment">Your public service announcement of the
74   morning ... these are disgusting. Dark chocolate doused with mouthwash. Blech. It is
75   rare that I throw away chocolate, but I don't want to be tempted by this nastiness
76   again.</div></p><p><div class="meta">Monday, September 14, 2015 at 9:13am
77   EDT</div>Beverly Bray Schwab posted a link to your timeline.<div class="comment">Amy this
78   looks like a project for you, and you could draw on the bag to make it prettier! My
79   daughter doesn't buy cards anymore, she just draws her own, and her friends love
80   them.</div></p><p><div class="meta">Saturday, September 12, 2015 at 6:01pm EDT</div>Amy
81   Kirchoff updated her status.<div class="comment">Note to self, close the dishwasher door

```





OK kids, JSTOR just about tore through *Dumplin'* this weekend and we're going to go ahead and participate in the Reblog Book Club the only way JSTOR knows how: by finding journal articles about topics in the book! (aka, we're adding *Dumplin'* to our Beyond the Book series).

First up: DOLLY

- “CEO and Cinderella: An Interview with Dolly Parton”, from a 1990 article in *Cineaste*
- “Steel Anniversary,” a short story by Sherman Alexie in *Agni*, where he says, “Given the choice, we’d all choose wives who were more like Dolly Parton than Whitney Houston. Hell, we’d all choose husbands that were more Dolly than Whitney.”
- A 1981 review of the Dolly Parton, Lily Tomlin and Jane Fonda movie, *9 to 5* in *off our backs*, which is basically the coolest feminist/lesbian journal of all time.

#reblogbookclub #dumplin #julie murphy #dolly parton #jstor beyond th

4 notes



#NercompPDO2



7 notes

OK kids, we're going only way the book



aangskate liked this



silencewhippersnapper reblogged this:

"never change, jstor"



fingolfinnish reblogged this



librarianpirate liked this



silkchemise liked this



notnertabbq liked this



gothamgirl28 liked this

First up:

- "CEO articl
- "Steer he sa like [ husb
- A 19: movi femin

#reblog

4 notes

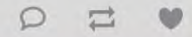
s weekend and g Book Club the es about topics in the Book series).

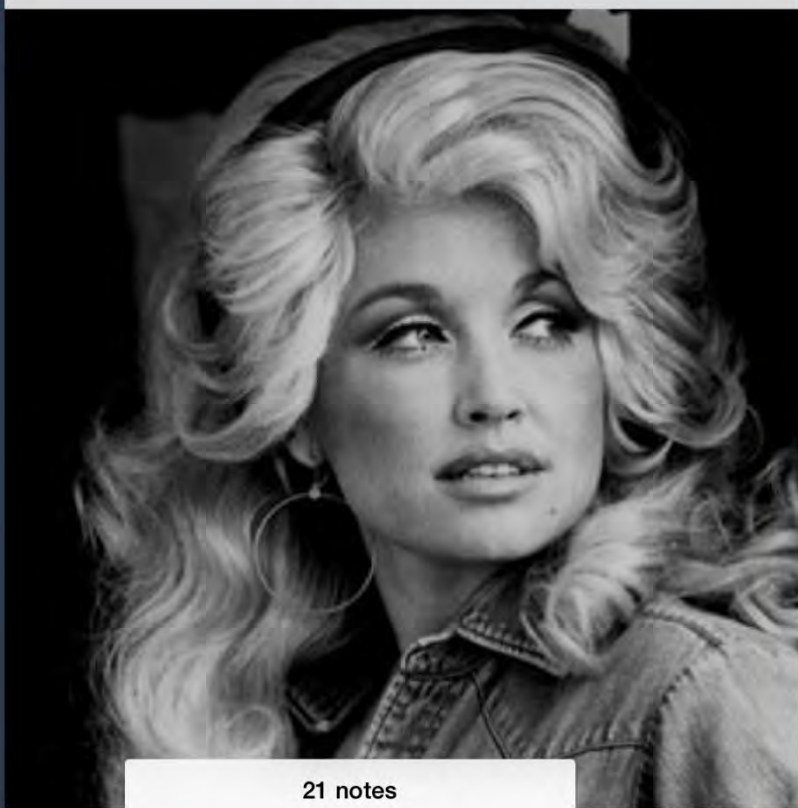
ton", from a 1990

exie in Agni, where s who were more d all choose

Jane Fonda he coolest

on #jstor beyond th





21 notes

OK kids,  
we're goi  
only way  
the book

theshadiertwin reblogged this

morgothiacosplay liked this

First up:

lindsaysmithdc liked this

- "CEC

kdhart reblogged this

- "Ste

thelittlesisteryouneverwanted liked this

- A 19

kdhart liked this

- femi

jessenigma reblogged this

#reblogb

7 notes

cosmic-hobbit liked this

s weekend and  
g Book Club the  
es about topics in  
(the Book series).

ton", from a 1990

exie in Agni, where  
s who were more  
d all choose

Jane Fonda  
he coolest

on #jstor beyond the





# Instagram



urbansketchers

17h



@lizackerley1



Repost & Regram App



763 likes

urbansketchers Nice! @lizackerley1 #usk #urbansketch #urbansketchers #drawing #sketch #sketchbook

dlmdoodles Wonderful black pig signage





139 Likes 2 Comments 25 Shares

Like

Comment

Share

21 notes

OK kids,  
we're goi  
only way  
the book



theshadiertwin reblogged this



morgothiacosplay liked this

First up:



lindsaysmithdc liked this

- "CEC  
articl
- "Ste



kdhart reblogged this

s weekend and  
g Book Club the  
es about topics in  
the Book series).

ton", from a 1990  
exie in Agni, where



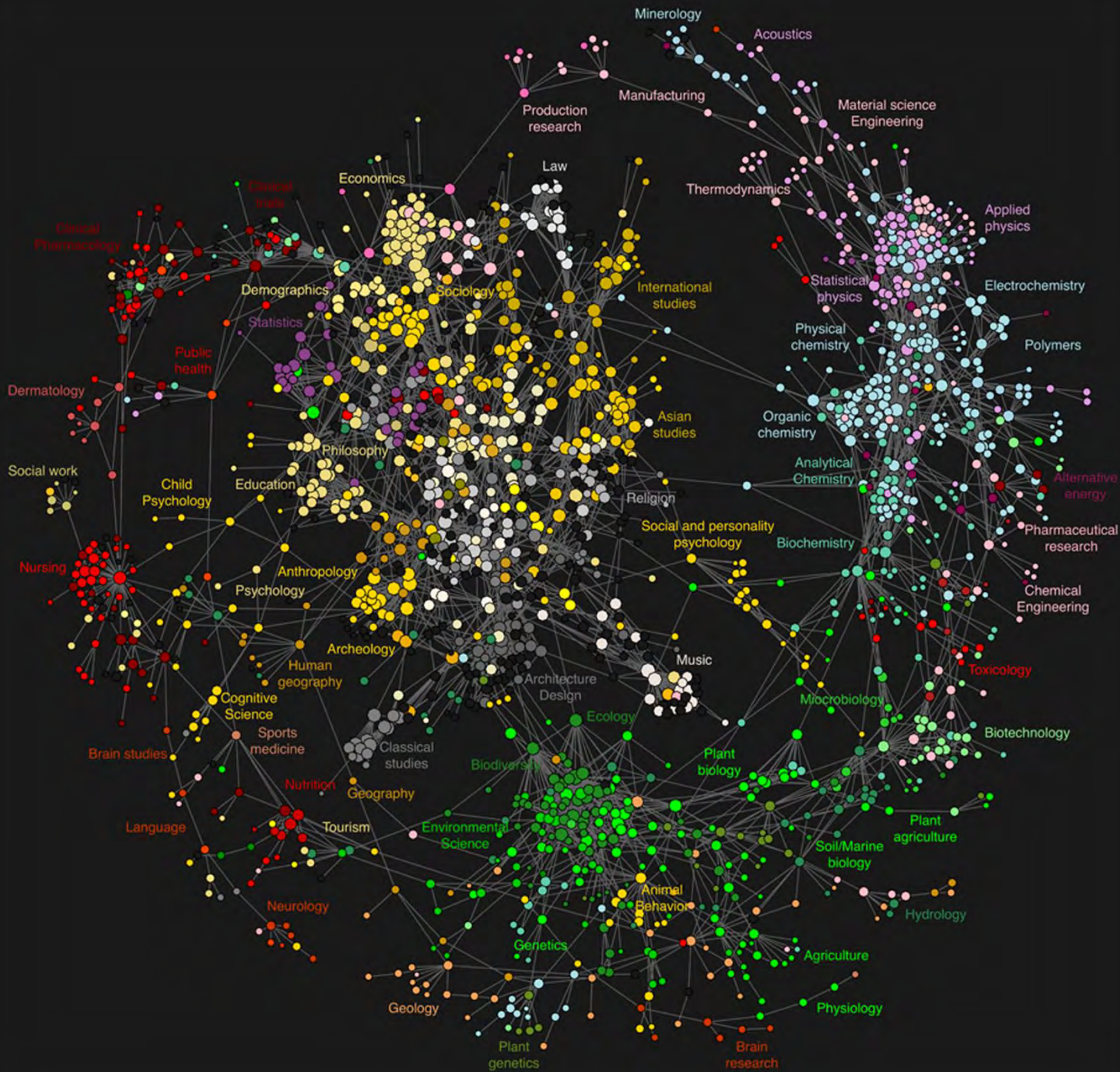
♥ 763 likes

urbansketchers Nice! @lizackerley1 #usk  
#urbansketch #urbansketchers #drawing  
#sketch #sketchbook

dlmdoodles Wonderful black pig signage

# Networked Interactive





#NercompPDO2



Download:

[PPT](#) PowerPoint slide

[PNG](#) larger image (2.68MB)

[TIFF](#) original image (3.7MB)

**Figure 5. Map of science derived from clickstream data.**

Circles represent individual journals. The lines that connect journals are the edges of the clickstream model in  $M'$ . Colors correspond to the AAT classification of the journal.

Labels have been assigned to local clusters of journals that correspond to particular scientific disciplines.

doi:10.1371/journal.pone.0004803.g005



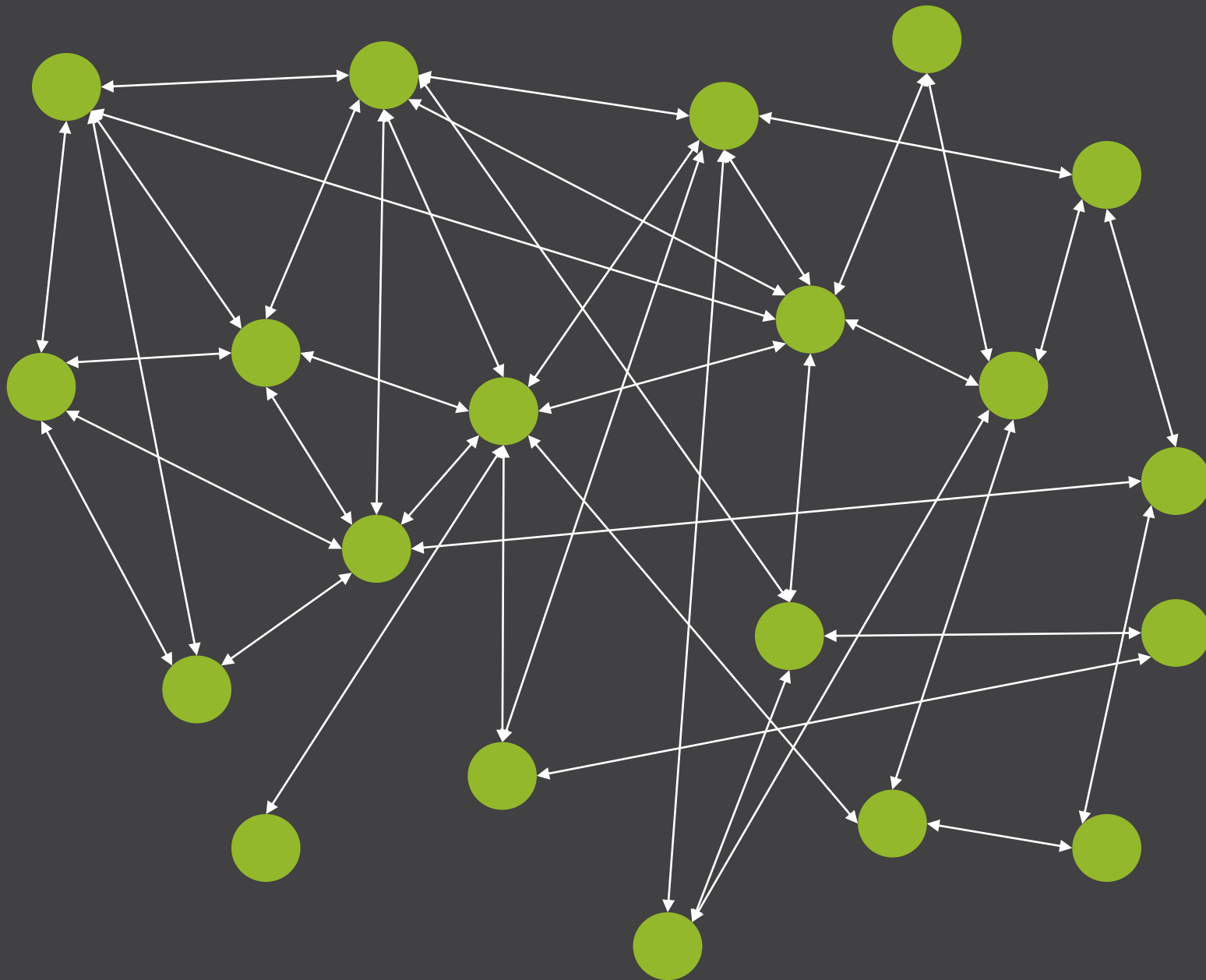




# Networked Interactive Narrow Units



#NercompPDO2



#NercompPDO2





advanced search

OPEN ACCESS PEER-REVIEWED

RESEARCH ARTICLE

91,872	70	423	97
VIEWS	CITATIONS	SAVES	SHARES

# Clickstream Data Yields High-Resolution Maps of Science

Johan Bollen, Herbert Van de Sompel, Aric Hagberg, Luis Bettencourt, Ryan Chute, Marko A. Rodriguez, Lyudmila Balakireva

Published: March 11, 2009 • DOI: 10.1371/journal.pone.0004803

Article	About the Authors	Metrics	Comments	Related Content
---------	-------------------	---------	----------	-----------------

Download PDF

Print Share

## Reader Comments (5)

Post a new comment on this article

0 RESPONSES 22 Jul 2009 15:30 GMT MOST RECENT

**Related article reference**  
Posted by Edward Eckel on 22 Jul 2009 at 15:30 GMT

0 RESPONSES 05 May 2009 02:22 GMT MOST RECENT

**Linkback**  
Posted by bperki8 on 05 May 2009 at 02:22 GMT

0 RESPONSES 10 Apr 2009 15:06 GMT MOST RECENT

**Literary journals in the map?**  
Posted by mcwitro on 10 Apr 2009 at 15:06 GMT

0 RESPONSES 16 Mar 2009 18:42 GMT

**Link between mineralogy and geology?**  
Posted by eichhuhl on 16 Mar 2009 at 18:42 GMT

CrossMark

Subject Areas

- Centrality
- Chemical biology
- Chemical ecology
- Controlled vocabula...
- Data visualization
- Markov models
- Psychology
- Social sciences

ADVERTISEMENT

We partner with you through publication.



# Citations to this article as recorded by CrossRef

## Clickstream Data Yields High-Resolution Maps of Science

49 citations as recorded by CrossRef. Article published Apr 11, 2009. Citations updated on Sep 21, 2015.

- Using path-based approaches to examine the dynamic structure of discipline-level citation networks: 1997-2011  
Yan E, Yu Q *Journal of the Association for Information Science and Technology* 2015: n/a. doi:10.1002/asi.23516
- Science, pseudo-science and urban design  
*URBAN DESIGN International* 2012 17(4): 257. doi:10.1057/udi.2012.22
- Mapping altruism  
Klavans R, Boyack K *Journal of Informetrics* 2014 8(2): 431. doi:10.1016/j.joi.2014.02.002
- The nature of publishing and assessment in Geography and Environmental Studies: evidence from the Research Assessment Exercise 2008  
Richards K, Batty M, Edwards K, Findlay A, Foody G, Frostick L, Jones K, Lee R, Livingstone D, Marsden T, Petts J, Philo C, Simon D, Smith S, Thomas D *Area* 2009 41(3): 231. doi:10.1111/j.1475-4762.2009.00908.x
- Mapping the two cultures  
*Nature Chemistry* 2009 1(8): 591. doi:10.1038/nchem.425
- Data science in educational assessment  
Gibson D, Webb M *Education and Information Technologies* 2015. doi:10.1007/s10639-015-9411-7
- Social Network Analysis of the Academic GIScience Community  
Sun S, Manson S *The Professional Geographer* 2011 63(1): 18. doi:10.1080/00330124.2010.533560
- Flows of Research Manuscripts Among Scientific Journals Reveal Hidden Submission Patterns  
Calcagno V, Demoinet E, Gollner K, Guidi L, Ruths D, de Mazancourt C *Science* 2012 338(6110): 1065. doi:10.1126/science.1227833
- Motifs in co-authorship networks and their relation to the impact of scientific publications  
Krumov L, Fretter C, Müller-Hannemann M, Weihe K, Hütt M *The European Physical Journal B* 2011 84(4): 535. doi:10.1140/epjb/e2011-10746-5
- Evolution and structure of sustainability science  
Bettencourt L, Kaur J *Proceedings of the National Academy of Sciences* 2011 108(49): 19540. doi:10.1073/pnas.1102712108
- A review of theory and practice in scientometrics  
Mingers J, Leydesdorff L *European Journal of Operational Research* 2015 246(1): 1. doi:10.1016/j.ejor.2015.04.002
- The symbiotic relationship between information retrieval and informetrics  
*Scientometrics* 2015 102(3): 2201. doi:10.1007/s11192-014-1479-0
- Science is all in the eye of the beholder: Keyword maps in Google scholar citations  
Ortega J, Aguillo J *Journal of the American Society for Information Science and Technology* 2012 63(12): 2370. doi:10.1002/asi.22761
- Scientific communication, Open Access, and the publishing industry  
*Political Geography* 2012 31(5): 256. doi:10.1016/j.polgeo.2012.04.001
- How to create an innovation accelerator  
Helbing D, Balietti S *The European Physical Journal Special Topics* 2011 195(1): 101. doi:10.1140/epjst/e2011-01403-6
- Big data, big results: Knowledge discovery in output from large-scale analytics  
McCormick T, Ferrell R, Karr A, Ryan P *Statistical Analysis and Data Mining* 2014 7(5): 404. doi:10.1002/sam.11237
- Scientific discovery and topological transitions in collaboration networks  
Bettencourt L, Kaiser D, Kaur J *Journal of Informetrics* 2009 3(3): 210. doi:10.1016/j.joi.2009.03.001
- Exploratory Analysis in Learning Analytics  
Gibson D, de Freitas S *Technology, Knowledge and Learning* 2015. doi:10.1007/s10758-015-9249-5
- Maps on the basis of the Arts & Humanities Citation Index: The journals Leonardo and Art Journal versus "digital humanities" as a topic  
Leydesdorff L, Akdag Salah A *Journal of the American Society for Information Science and Technology* 2010: n/a. doi:10.1002/asi.21303
- Interactive evidence of journals and the measurement of interdisciplinarity on the basis of associated journal-journal citations





Networked  
Interactive  
Narrow Units  
Dynamic

# Bulletin for the Study of Religion

ISSN 2141-1863 (print)  
ISSN 2041-1871 (online)

Published in affiliation with the North American Association for the Study of Religion



- HOME
- EDITORIAL BOARD
- FOR AUTHORS
- SUBSCRIPTIONS
- LINKS
- ANNOUNCEMENTS
- THEISIS ABSTRACTS
- ALL RELIGION
- OPEN ACCESS POLICY
- REGISTER

Home > Bulletin for the Study of Religion

Latest Issue: Vol 44, No 3 (2015)

## Bulletin for the Study of Religion

The *Bulletin* began life in 1971 as the *CSSR Bulletin* when it was published by the Council of Societies for the Study of Religion. In 2009 the Council disbanded and the journal moved to Equinox.

Historically the journal has published articles that address religion in general, the history of the field of religious studies, method and theory in the study of religion, and pedagogical practices. From 2010 (volume 39), the *Bulletin* is published in print and, for the first time, online, with a print frequency of 4 issues per volume.

The online edition includes supplemental content not appearing in the print version including interviews, book excerpts, blogs, and profiles of key thinkers in the study of religion. The new *Bulletin* also includes open access features and offers enhanced search and access functions across the full range of Equinox books and journals in religious studies, biblical studies, ethics and theology.

### Publication Frequency (Print Edition)

Feb, April, September and November

ISSN: 2041-1863 (Print)

ISSN: 2041-1871 (Online)

### Editorial Address

Philip Tite  
c/o Equinox Publishing Ltd  
Office 415, The Workstation  
15 Paternoster Row  
Sheffield, S1 2BX  
UK

Recent Blog Entries

Click here to Register

Username   
Password

Remember me

[Log in](#)

[I've Forgotten My Password](#)

#### SEARCH

All

#### BROWSE

- Archives
- By Author
- By Title

#### INFORMATION

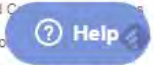
- Permissions
- Advertising

#### RECENT BLOG ENTRIES

- Who Believed There Was A Bomb and...
- Theses on Professionalization:...
- CFP: Globalizing the Humanities -...
- NAASR Annual Meeting!
- NAASR Statement In Support of BASR...
- Texts and Their Scholars: The...
- Now Published - Bulletin for the...
- Theses on Professionalization:...
- The Birmingham Quran and the...
- Theses on Professionalization:...

#### RECENT ARTICLES

- Review of Articles in the Field of...
- The Approach to the Social Sciences...
- Religion Past and Present - The...
- Canon and C...
- the...
- Editor's Co...

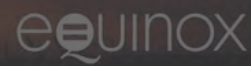


#NercompPDO2

# Bulletin for the Study of Religion

ISSN 2141-1863 (print)  
ISSN 2041-1871 (online)

Published in affiliation with the North American Association for the Study of Religion



- HOME
- EDITORIAL BOARD
- FOR AUTHORS
- SUBSCRIPTIONS
- LINKS
- ANNOUNCEMENTS
- THEISIS ABSTRACTS
- ALL RELIGION
- OPEN ACCESS POLICY
- REGISTER

Home > Bulletin for the Study of Religion

Latest Issue: Vol 44, No 3 (2015)

## Bulletin for the Study of Religion

The *Bulletin* began life in 1971 as the *CSSR Bulletin* when it was published by the Council of Societies for the Study of Religion. In 2009 the Council disbanded and the journal moved to Equinox.

Historically the journal has published articles that address religion in general, the history of the field of religious studies, method and theory in the study of religion, and pedagogical practices. From 2010 (volume 39), the *Bulletin* is published in print and, for the first time, online, with a print frequency of 4 issues per volume.

The online edition includes supplemental content not appearing in the print version including interviews, book excerpts, blogs, and profiles of key thinkers in the study of religion. The new *Bulletin* also includes open access features and offers enhanced search and access functions across the full range of Equinox books and journals in religious studies, biblical studies, ethics and theology.

### Publication Frequency (Print Edition)

Feb, April, September and November

ISSN: 2041-1863 (Print)

ISSN: 2041-1871 (Online)

### Editorial Address

Philip Tite  
c/o Equinox Publishing Ltd  
Office 415, The Workstation  
15 Paternoster Row  
Sheffield, S1 2BX  
UK

Click here to Register

Username

Password

Remember me

[I've Forgotten My Password](#)

#### SEARCH

All

#### BROWSE

- Archives
- By Author
- By Title

#### INFORMATION

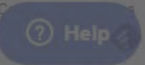
- Permissions
- Advertising

#### RECENT BLOG ENTRIES

- Who Believed There Was A Bomb and...
- Theses on Professionalization:...
- CFP: Globalizing the Humanities -...
- NAASR Annual Meeting
- NAASR Statement In Support of BASR...
- Texts and Their Scholars: The...
- Now Published - Bulletin for the...
- Theses on Professionalization:...
- The Birmingham Quran and the...
- Theses on Professionalization:...

#### RECENT ARTICLES

- Review of Articles in the Field of...
- The Approach to the Social Sciences...
- Religion Past and Present — The...
- Canon and C...
- the...
- Editor's Co



### Recent Blog Entries

#NercompPDO2



### Who Believed There Was A Bomb and When Did They Believe It? What Ahmed Mohamed's Clock Says About Belief and Moral Panic

by Joseph Laycock Thousands have expressed outrage over the treatment of Ahmed Mohamed, a 14-year-old Muslim student at MacArthur High School in Irving, Texas, who was arrested after trying to show his English teacher an electronic clock he had constructed. ... Continue reading →

Posted: 2015-09-21 [More...](#)

### Theses on Professionalization: Vincent Burgess

In this series with the Bulletin, we have asked 21 early career scholars to weigh in on Russell McCutcheon's Theses on Professionalization, first published in 2007. In his 21 theses, McCutcheon offers advice to young scholars entering (or soon to enter) the job ... Continue reading →

Posted: 2015-09-18 [More...](#)

### CFP: Globalizing the Humanities – #EIRAAR

CFP: Globalizing the Humanities – #EIRAAR CALL FOR PROPOSALS "Globalizing the Human(ities)" Eastern International Region of the American Academy of Religion 2016 Annual Meeting University of Pittsburgh May 6-7, 2016 Deadline for submission of proposals: February 15, 2016 The Eastern International ... Continue reading →

Posted: 2015-09-17 [More...](#)

### NAASR Annual Meeting!

In the most recent issue of the Bulletin readers will find a complete program for the annual meeting of the North American Association for the Study of Religion (NAASR), the academic society with which the Bulletin is affiliated. Of course ... Continue reading →

Posted: 2015-09-16 [More...](#)

### NAASR Statement In Support of BASR and the Study of Religion at Stirling

In support of the Religion Department at the University of Stirling, which is being threatened with closure, the North American Association for the Study of Religion issued the following letter on the NAASR website. In order to "get the word ... Continue reading →

Posted: 2015-09-14 [More...](#)

### Texts and Their Scholars: The Co-Production of Texts, Audiences, and Communities

The following is the editorial introduction to the September 2015 issue of the Bulletin for the Study of Religion (the full table of contents having already been posted), written by our managing editor Arlene Macdonald (University of Texas Medical Branch). ... Continue reading →

Posted: 2015-09-11 [More...](#)

- Entry...
- Reinventing Religious Studies: An...
- Religion Snapshots: On the Uses of...
- Romania's Saving Angels: "New..."
- Queer Pedagogy and/in Religious Studies

#### KEYWORDS

Bruce Lincoln Christianity Hinduism Hip Hop Islam Islamophobia James Crossley Jesus Nag Hammadi Pierre Bourdieu Religion Stephen Prothero Talal Asad Theory evidence gender humor religion religious experience religious studies theory

#### FOLLOW US

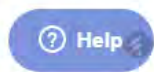
- Notification Feed
- View Notifications
- Join Mailing List
- Unsubscribe

#### SUBSCRIPTION

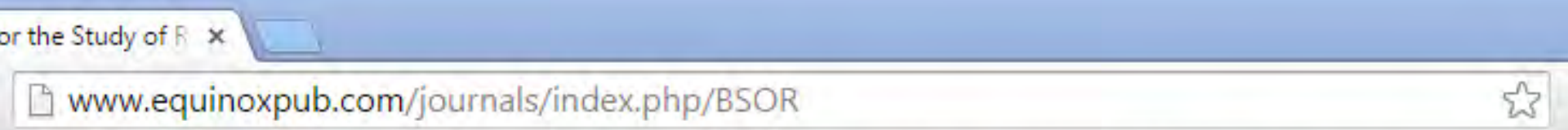
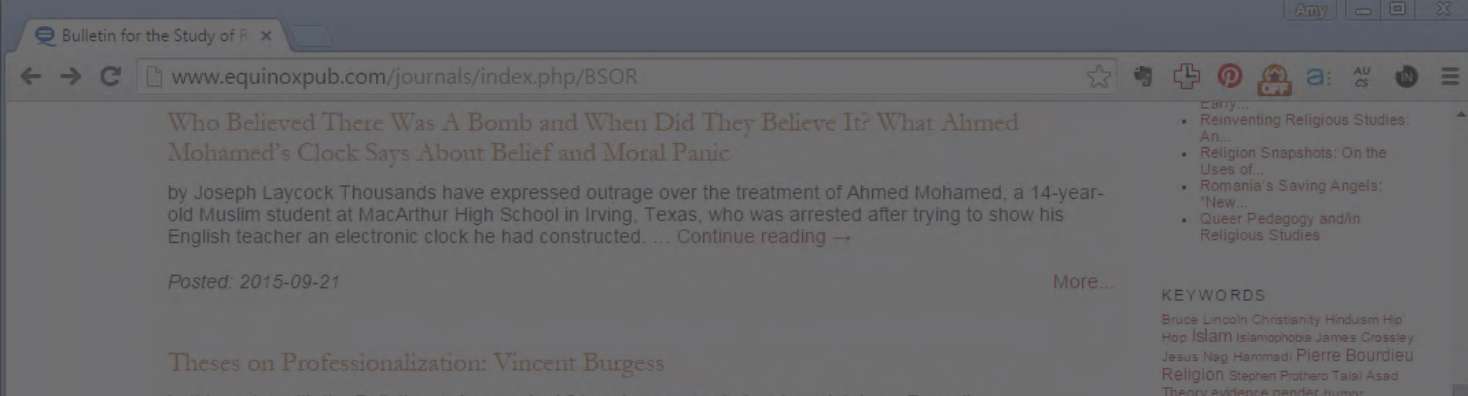
Access provided by: PORTICO From: 38.66.77.2

#### ANNOUNCEMENTS

- ATOM 1.0
- RSS 2.0
- RSS 1.0



#NercompPDO2



# Who Believed There Was A Bomb and When Did They Believe It? What Ahmed Mohamed's Clock Says About Belief and Moral Panic

by Joseph Laycock Thousands have expressed outrage over the treatment of Ahmed Mohamed, a 14-year-old Muslim student at MacArthur High School in Irving, Texas, who was arrested after trying to show his English teacher an electronic clock he had constructed. ... [Continue reading](#) →

Posted: 2015-09-21

[More...](#)

In support of the Religion Department at the University of Stirling, which is being threatened with closure, the North American Association for the Study of Religion issued the following letter on the NAASR website. In order to "get the word ... [Continue reading](#) →

Posted: 2015-09-14

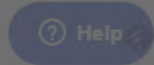
[More...](#)

## Texts and Their Scholars: The Co-Production of Texts, Audiences, and Communities

The following is the editorial introduction to the September 2015 issue of the Bulletin for the Study of Religion (the full table of contents having already been posted), written by our managing editor Arlene Macdonald (University of Texas Medical Branch). ... [Continue reading](#) →

Posted: 2015-09-11

[More...](#)



#NercompPDO2

Networked  
Interactive  
Narrow Units  
Dynamic  
Informal Content







Enter Search Term

**QUICK PREVIEW** |  |  |  |  |  |  |

## ScatterAlloc: Massively parallel dynamic memory allocation for the GPU

In this paper, we analyze the special requirements of a dynamic memory allocator that is designed for massively parallel architectures such as Graphics Processing Units (GPUs). We show that traditional strategies, which work well on CPUs, are not well suited for the use on GPUs and present the thorough design of ScatterAlloc, which can efficiently deal with hundreds of requests in parallel. Our allocator greatly reduces collisions and congestion by scattering memory requests based on hashing. We analyze ScatterAlloc in terms of allocation speed, data access time and fragmentation, and compare it to current state-of-the-art allocators, including the one provided with the NVIDIA CUDA toolkit. Our results show, that ScatterAlloc clearly outperforms these other approaches, yielding speed-ups between 10 to 100.

This paper appears in: *Innovative Parallel Computing (InPar)*, 2012, Issue Date: 13-14 May 2012, Written by: Steinberger, Markus; Kenzel, Michael; Kainz, Bernhard; Schmalstieg, Dieter

### ScatterAlloc: Massively Parallel Dynamic Memory Allocation for the GPU

46 commits 2 branches 2 releases 3 contributors

Branch: master scatteralloc / +

Merge pull request #5 from slizzered/backport-getAvailableSlotsHost

psychocoderHPC authored on Jul 31, 2014 latest commit bc4ff5e6af

tools	Merge pull request #5 from slizzered/backport-getAvailableSlotsHost	a year ago
.gitignore	add netbeans project files to ignore	2 years ago
.travis.yml	Add first draft of .travis.yml	2 years ago
CHANGELOG.md	Update Link To Closed Issues	a year ago
CMakeLists.txt	fix broken compile, close #1	2 years ago
LICENSE	Add our Homepage and some minor readme lines	2 years ago
README.md	Change Section Order	a year ago
example.cu	fix broken compile, close #1	2 years ago

README.md

# ScatterAlloc

ScatterAlloc: Massively Parallel Dynamic Memory Allocation for the GPU

- Code
- Issues 0
- Pull requests 0
- Pulse
- Graphs

HTTPS clone URL  
https://github.com/

You can clone with HTTPS or Subversion.

Clone in Desktop

Download ZIP





Search Communities Browse Upload Get started

Sign In Sign Up

11 February 2015

Software Open access

# mallocMC 2.1.0crp: malloc Interface, Performance, Bugs

Carlchristian Eckert ; Axel Huebl ; René Widera

(show affiliations)

This release fixes some bugs that occurred after the release of 2.0.1crp and reduces the interface to improve interoperability with the default CUDA allocator. The performance for large pages was improved.

We closed all issues documented in Milestone *New Features*.

Note: This library started as a fork of ScatterAlloc, see citations <http://dx.doi.org/10.1109/InPar.2012.6339604>

Preview

- mallocMC-2.1.0crp.zip
- ComputationalRadiationPhysics-mallocMC-799d7d7
  - .gitignore 141 Bytes
  - .travis.yml 794 Bytes
  - CHANGELOG.md 3.8 kB
  - CMakeLists.txt 2.7 kB

Available in

**Publication date:**  
11 February 2015

**DOI**  
DOI 10.5281/zenodo.15037

**Keyword(s):**  
CUDA, HPC, Manycore, GPU, Policy Based Design

**Related publications and datasets:**  
Cites:  
<http://www.icg.tugraz.at/project/mvp/downloads>  
New versions:  
[10.5281/zenodo.13962](https://zenodo.org/record/13962)  
Supplement to:  
<https://github.com/ComputationalRadiationPhysics/mallocMC/tree/2.1.0crp>,  
[10.1109/InPar.2012.6339604](http://dx.doi.org/10.1109/InPar.2012.6339604)





PORTICO

- ELECTRONIC JOURNALS
- ELECTRONIC BOOKS
- DIGITIZED COLLECTIONS
- PUBLISHERS
- REPORTS
- MORE ▾

← RETURN    👁 COMPARE VIEW

## Dashboard

🔗 = Perpetual Access  
 ⚙️ = Not ingested

📄 DOWNLOAD HOLDINGS

⚖️ COMPARE HOLDINGS

Search Publication Title

- Journal
- Titles
- Book Titles

# IEEE CONFERENCE PROCEEDINGS

IEEE Conference Proceedings Innovative Parallel Computing (InPar), 2012

### ScatterAlloc: Massively parallel dynamic memory allocation for the GPU

Markus Steinberger, Michael Kenzel, Bernhard Kainz, Dieter Schmalstieg  
*Innovative Parallel Computing (InPar), 2012*(May 2012): 1-10

ISBN: 978-1-4673-2631-5  
 DOI: 10.1109/InPar.2012.6339604  
 Portico Content Set: IEEE\_CONFPROC, (IEEE, Inc.)  
 Portico Item ID: ark:/27927/pgg3r5df1cp

**Agreement Name** IEEE, Inc. Agreement, Version 1.0 January 1, 2007)  
**PCA allowed** No  
**Stable URL** <http://audit.portico.org/stable?au=pgg3r5df1cp>

📄 DOWN

- PDF
- Additional Information**
- Preservation Information
- Tree View
- PMD
- XML

Innovative Parallel Computing (InPar), 2012

Published by: IEEE

DOI: 10.1109/InPar.2012.6339604  
 Copyright year: 2012

Copyright holder: IEEE

May 2012, pages 1-10

Electronic pub-date: 24 October 2012

Volume ID: Publisher ID: 0b00006481a018b6

## ScatterAlloc: Massively parallel dynamic memory allocation for the GPU

Markus Steinberger

Institute for Computer Graphics and Vision, Graz University of Technology, Austria

Michael Kenzel

Institute for Computer Graphics and Vision, Graz University of Technology, Austria

Bernhard Kainz

Institute for Computer Graphics and Vision, Graz University of Technology, Austria

Dieter Schmalstieg





Institute for Computer Graphics and Vision, Graz University of Technology, Austria

### Abstract

In this paper, we analyze the special requirements of a dynamic memory allocator that is designed for massively parallel architectures such as Graphics Processing Units (GPU). We show that modified strategies, which are well-suited for GPU...

pgg3r5df1cp.zip

Search pgg3r5df1cp.zip

Name	Type	Compressed size	Password protected	Size	Ratio	Date modified
 pgg3r5cvnv2.xml	XML File	3 KB	No	9 KB	73%	9/26/2015 6:12 PM
 pgg3r5cvnzq.pdf	Adobe Acrobat Document	1,312 KB	No	1,397 KB	7%	9/26/2015 6:12 PM
 pgg3r5dwc3q.xml	XML File	2 KB	No	7 KB	71%	9/26/2015 6:12 PM
 pgg3r5h8brb.pmd	PMD File	6 KB	No	31 KB	82%	9/26/2015 6:12 PM

Networked  
Interactive  
Narrow Units  
Dynamic  
Informal Content  
Software



- Topics
- Missions
- Galleries
- NASA TV
- Follow NASA
- Downloads
- About
- NASA Audiences

Search [Magnifying Glass Icon]

# Image Galleries



## Image of the Day



**The Nile at Night**  
8 hours ago

NASA astronaut Scott Kelly, recently past the halfway mark of his one-year mission to the International Space Station, photographed the Nile River during a nighttime flyover on Sept. 22, 2015. Kelly (@StationCDRKelly) wrote, "Day 179. The #Nile at night is a beautiful sight for these sore eyes. Good night from @space\_station! #YearInSpace."



Astronomy Pic of the Day



Search For NASA Images

## Mission Galleries

- New Horizons at Pluto
- International Space Station
- Mars Missions
- Orion Spacecraft
- Space Launch System
- Earth Missions
- Hubble Space Telescope





- Amy Kirchoff
- Edit Profile
- FAVORITES
- News Feed
- Messages 16
- Events 1
- Photos
- Zentangle@ 20+
- Sketchbook Skool 20+
- Daisy Yellow 201... 20+
- Artist's Journal W... 20+
- Saved 1
- SUGGESTED
- DeConstructed Art...
- lthaka
- GROUPS
- DeConstructed Art...
- Families with Chil... 20+
- New Groups 3
- Create Group
- APPS
- Games 4
- On This Day
- Words With Friends
- Ancestry
- Notes
- Games Feed 20+
- FRIENDS
- lthaka
- Close Friends 20+
- Family
- Ewing, New Jerse...
- Princeton University
- lthaka
- INTERESTS

Update Status Add Photos/Video Create Photo Album

What's on your mind?

Friends Post

**USFWS National Wildlife Refuge System**  
11 mins

Archie Carr National Wildlife Refuge, FL, set a green sea turtle nest record: 13,916 nests on September 18. This is the first time the number has topped 13,000. The refuge's 20.5 miles of beach is home to 25-30 percent of the nation's endangered green sea turtle nests. The extraordinary nesting success could mean that more than 760,000 green sea turtle hatchlings will emerge. Four decades ago, experts thought the turtle might go extinct.  
Photo by Laura Gooch  
Follow Archie Carr Refuge on Facebook: <http://on.fb.me/1KqZVMY>



139 Likes 2 Comments 25 Shares

Like Comment Share

- 1 event invite
- TRENDING
- Jill Soloway: 'Transparent' Director Says 'We Have a Trans Civil Rights Problem' in Emmy Speech
  - Richard Dawkins: Biologist Says Teenager Detained for Clock Didn't Invent It, Questions Motives
  - Brick Township, New Jersey: Police Search for 2 Men Who Attempted to Abduct Girl
- See More

SPONSORED Create Ad

**Millions of Meetings**  
gotomeeting.com  
Meet how the pros meet: GoToMeeting, the #1 choice for simplicity and reliability.

**Not to toot our own horn**  
cricketwireless.com  
But, at Cricket, we've got smartphones starting at \$29.99. Plus no annual contracts.

- TRENDING AMONG FRIENDS MORE
- Agar.io
  - FAMILY FEUD 2 & Friends!
  - Agar.io
- RECOMMENDED GAMES MORE
- Zoe Thompson likes Luca Guariento's photo.
  - Wendy Ritz commented on Krista Golden's post.
  - Mary Farmer Daley likes Van Kapeghian's photo.
  - Susan Backus Efferth likes GATES Police Department's post.
  - Jennifer Frisbee- Knight likes Randy Rowland's post.
  - Amy Kelsey Zaprowski likes Pazuz Macneil's post.
  - Elaine Schwartz FEELING EXTREMELY LUCKY AND THANKFUL
  - Erin Cosenza likes Kerry Washington's post.
  - Nicholas Kirchoff
  - Benjamin Einstein
  - Petrie Montgomery
  - Noelle Kirchoff 2d
  - Joy Kirchoff 2d
  - Zoe Thompson 1m
  - Rebecca Rapp

English (US) Privacy Advertising Ad Choice

Nicholas Kirchoff Night time

Facebook @ 2015

OK

Networked  
Interactive  
Narrow Units  
Dynamic  
Informal Content  
Software  
Big Data



#NercompPDO2



Networked  
Interactive  
Narrow Units  
Dynamic  
Informal Content  
Software  
Big Data  
Isolated Data





# PORTICO

Your content.  
Preserved here.

PORTICO  
SERVICES &  
BENEFITS

ARCHIVE  
CONTENT &  
ACCESS

WHO  
PARTICIPATES  
IN PORTICO?

JOIN  
PORTICO

NEWS &  
EVENTS

ABOUT  
PORTICO

[Archive Content & Access](#) > [Facts & Figures](#)

## Facts & Figures

Portico is one of the most comprehensive digital preservation archives. We hold more content than others and have extensive knowledge about the data we preserve and the component file types and formats. The tables below provide regularly updated figures on the content, including details about various file types and formats, as well as global library and publisher participation.

### E-NEWS SIGN-UP

Sign up for our email alerts.

First Name

Last Name

Institution or Organization

Email

**SUBMIT**

Facts & Figures

Archive Growth

Content in the  
Archive

Perpetual Access

Triggered Content

Audit the Archive

Archive  
Certification

Search Publication Title

Journal Titles

Book Titles

140

D-Collections  
Committed

**MORE**

### PARTICIPATION FACTS & FIGURES

### CONTENT FACTS & FIGURES

Preserved Archival Units (articles, books, etc.)	54,727,208
Preserved E-Journal Titles	19,839
Preserved E-Book Titles	413,897
Preserved Files	953,507,490
Preserved Images	585,050,998
Preserved Repository created archival files	129,207,828
Preserved Supplied text files	192,628,922
Preserved Application Specific Files	23,986,068
Preserved Multi-file Packages	3,087,584

Preserved Archival Units (articles, books, etc.)	54,727,208
Preserved E-Journal Titles	19,839
Preserved E-Book Titles	413,897
Preserved Files	953,507,490
Preserved Images	585,050,998
Preserved Repository created archival files	129,207,828
Preserved Supplied text files	192,628,922
Preserved Application Specific Files	23,986,068
Preserved Multi-file Packages	3,087,584
Preserved Video Files	79,896
Preserved Audio Files	1,988
Preserved Executable Files	50

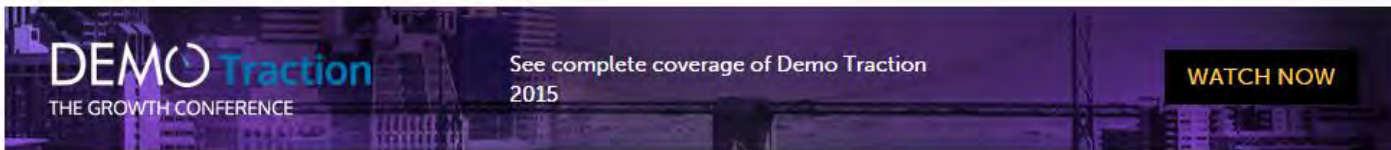
If it takes 10 touches to sign a new publisher,  
And each touch takes at least ½ an hour,  
And we assume she must eat and sleep,  
And there are 52 weeks in a year,  
And 20 days of vacation,  
And some number of holidays,  
And 2 off days per week,  
And 2 weeks of sick time,  
And nothing else she must do,  
**And she eats 7 ears of corn after every call ...**

Networked  
Interactive  
Narrow Units  
Dynamic  
Informal Content  
Software  
Big Data  
Isolated Data  
Long Tail



#nodigitaldarkage





Home > Technology Industry

## Tech nightmares that keep Turing Award winners up at night



Vinton Cerf speaks to journalists at the 2015 Heidelberg Laureate Forum in Heidelberg, Germany, on Aug. 24, 2015. Credit: C Flemming/Heidelberg Laureate Forum Foundation

RSA encryption algorithm co-inventor Leonard Adleman, 'Father of the Internet' Vint Cerf, and

### MORE LIKE THIS



Vint Cerf: 'Sometimes I'm terrified' by the IoT

How Salesforce.com plans to stay high in the clouds



Up, down, and out: 20 years of Internet Explorer

on IDG Answers ➔

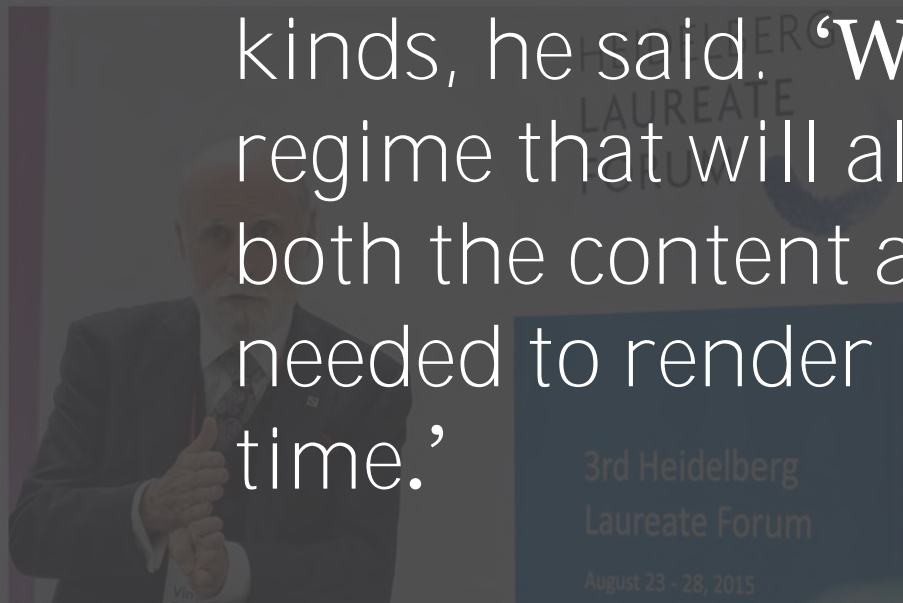
If I buy a Chromebook and can't get to grips with OS can I convert to windows?





“

Also on Cerf's list of tech 'nightmares' is the prospect of an impending 'digital dark age'... there is a threat to digital content of all kinds, he said. 'We don't have a regime that will allow us to preserve both the content and the software needed to render it over a very long time.'



Vinton Cerf speaks to journalists at the 2015 Heidelberg Laureate Forum in Heidelberg, Germany, on Aug. 24, 2015. Credit: © Flemming/Heidelberg Laureate Forum Foundation

RSA encryption algorithm co-inventor Leonard Adleman, 'father of the Internet' Vint Cerf, and

**MORE LIKE THIS**

What Vint Cerf is most terrified by about...  
...data is not in the clouds...  
...if I buy a Chromebook and can't get a...  
grips with OS can I convert to windows?

**EMERSON**  
Network Power

**POWERFUL INNOVATIONS**  
for the Critical IT Edge



#nodigitaldarkage

🔍 #nodigitaldarkage @Am...



**Jenny Hunt** @jennyhuntdp 15d  
Talking this afternoon to #PRSA2011 surgery about transfer of born-digital accessions #yam #nodigitaldarkage

Details



**William Kilbride** @WilliamKilbride 15d  
@jennyhuntdp oh for crying out loud. #nodigitaldarkage

View



**Jenny Hunt** @jennyhuntdp 15d  
Oh dear, Cerf recommends print-to-preserve  
[infoworld.com/article/297745...](http://infoworld.com/article/297745...)  
#nodigitaldarkage

Details



**Jenny Hunt** @jennyhuntdp 19d  
@SueCorrigall Is there an awareness of #digitalpreservation efforts? #nodigitaldarkage

View



**Digital Collections** @DigitalColl 88d  
@dri\_ireland @WilliamKilbride We're all "preservationistas" today. Love it! #dpassh #nodigitaldarkage

Details



**William Kilbride** @WilliamKilbride 89d  
@dri\_ireland exists to ensure #nodigitaldarkage in Ireland @Damien\_English

Details

🔍 #nodigitaldarkage @Am...



**Jenny Hunt** @jennyhuntdp 15d  
Talking this afternoon to #PRSA2011 surgery about transfer of born-digital accessions #yam #nodigitaldarkage

Details



**William Kilbride** @WilliamKilbride 15d  
**@jennyhuntdp** oh for crying out loud. #nodigitaldarkage

View



**Jenny Hunt** @jennyhuntdp 15d  
Oh dear, Cerf recommends print-to-preserve [infoworld.com/article/297745...](http://infoworld.com/article/297745...) #nodigitaldarkage

Details



**Jenny Hunt** @jennyhuntdp 19d  
**@SueCorrigall** Is there an awareness of #digitalpreservation efforts? #nodigitaldarkage

View



**Digital Collections** @DigitalColl 88d  
**@dri\_ireland @WilliamKilbride** We're all "preservationistas" today. Love it! #dpassh #nodigitaldarkage

Details



**William Kilbride** @WilliamKilbride 89d  
**@dri\_ireland** exists to ensure #nodigitaldarkage in Ireland **@Damien\_English**

Details





#NercompPDO2




Selection and Appraisal  
Acquisitions and Accessioning  
Arrangement  
Description  
Preservation  
Security and Disaster Planning  
Access, Reference, and Outreach

Networked  
Interactive  
Narrow Units  
Dynamic  
Informal Content  
Software  
Big Data  
Isolated Data  
Long Tail

- Amy Kirchoff
- Edit Profile
- FAVORITES
- News Feed
- Messages 16
- Events 1
- Photos
- Zentangle@ 20+
- Sketchbook Skool 20+
- Daisy Yellow 201... 20+
- Artist's Journal W... 20+
- Saved 1
- SUGGESTED
- DeConstructed Art ...
- lthaka
- GROUPS
- DeConstructed Art ...
- Families with Chil... 20+
- New Groups 3
- Create Group
- APPS
- Games 4
- On This Day
- Words With Friends
- Ancestry
- Notes
- Games Feed 20+
- FRIENDS
- lthaka
- Close Friends 20+
- Family
- Ewing, New Jerse...
- Princeton University
- lthaka
- INTERESTS

Update Status | Add Photos/Video | Create Photo Album

 What's on your mind?

Friends | Post

**USFWS National Wildlife Refuge System**  
11 mins · 

Archie Carr National Wildlife Refuge, FL, set a green sea turtle nest record: 13,916 nests on September 18. This is the first time the number has topped 13,000. The refuge's 20.5 miles of beach is home to 25-30 percent of the nation's endangered green sea turtle nests. The extraordinary nesting success could mean that more than 760,000 green sea turtle hatchlings will emerge. Four decades ago, experts thought the turtle might go extinct.  
Photo by Laura Gooch  
Follow Archie Carr Refuge on Facebook: <http://on.fb.me/1KqZVMY>



139 Likes · 2 Comments · 25 Shares

Like | Comment | Share

- 1 event invite
- TRENDING
- Jill Soloway: 'Transparent' Director Says 'We Have a Trans Civil Rights Problem' in Emmy Speech
  - Richard Dawkins: Biologist Says Teenager Detained for Clock Didn't Invent It, Questions Motives
  - Brick Township, New Jersey: Police Search for 2 Men Who Attempted to Abduct Girl
- See More



**Millions of Meetings**  
gotomeeting.com  
Meet how the pros meet: GoToMeeting, the #1 choice for simplicity and reliability.



**Not to toot our own horn**  
cricketwireless.com  
But, at Cricket, we've got smartphones starting at \$29.99. Plus no annual contracts.

English (US) · Privacy · Advertising · Ad Choices · Facebook @ 2015

Nicholas Kirchoff

Night time

OK

- TRENDING AMONG FRIENDS
- Agar.io
  - FAMILY FEUD 2 & Friends!
  - Angry Birds
- RECOMMENDED GAMES
- Agar.io
  - Angry Birds
- Zoe Thompson likes Luca Guariento's photo.
  - Wendy Ritz commented on Krista Golden's post.
  - Mary Farmer Daley likes Van Kapeghian's photo.
  - Susan Backus Efferth likes GATES Police Department's post.
  - Jennifer Frisbee- Knight likes Randy Rowland's post.
  - Amy Kelsey Zaprowski likes Pazuz Macneil's post.
  - Elaine Schwartz FEELING EXTREMELY LUCKY AND THANKFUL
  - Erin Cosenza likes Kerry Washington's post.
  - Nicholas Kirchoff
  - Benjamin Einstein
  - Petrie Montgomery
  - Noelle Kirchoff 2d
  - Joy Kirchoff 2d
  - Zoe Thompson 1m
  - Rebecca Rapp



TECHNOLOGY

# Library of Congress' Twitter archive is a huge #FAIL

More than five years on, the library's Twitter archive project is in limbo — with no end in sight.

By NANCY SCOLA | 7/11/15 5:09 PM EDT





Selection and Appraisal  
Acquisitions and Accessioning  
Arrangement  
Description  
Preservation  
Security and Disaster Planning  
Access, Reference, and Outreach

Selection and Appraisal  
Acquisitions and Accessioning  
Arrangement  
Description  
Preservation  
Security and Disaster Planning  
Access, Reference, and Outreach



- Topics
- Missions
- Galleries
- NASA TV
- Follow NASA
- Downloads
- About
- NASA Audiences

Search

# Image Galleries



## Image of the Day



**The Nile at Night**  
8 hours ago

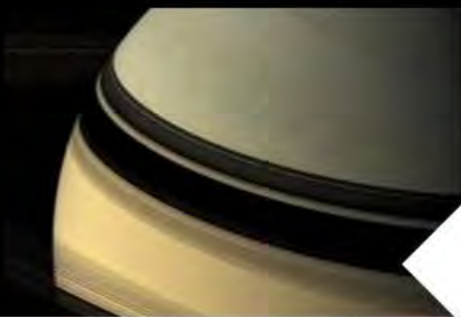
NASA astronaut Scott Kelly, recently past the halfway mark of his one-year mission to the International Space Station, photographed the Nile River during a nighttime flyover on Sept. 22, 2015. Kelly (@StationCDRKelly) wrote, "Day 179. The #Nile at night is a beautiful sight for these sore eyes. Good night from @space\_station! #YearInSpace."



Astronomy Pic of the Day



Search For NASA Images



## Mission Galleries

- New Horizons at Pluto
- International Space Station
- Mars Missions
- Orion Spacecraft
- Space Launch System
- Earth Missions
- Hubble Space Telescope



Preserving the Legacy of : x

www.nasa.gov/mission\_pages/



NASA TV Search

Chandra X-ray



Oct. 28, 2013

MORE STORIES







## Preserving the Legacy of the X-ray Universe

Every year, October is designated as American Archive Month. While many people may think “archive” means only dusty books and letters, there are, in fact, many other types of important archives. This includes the use of archives for major telescopes and observatories like NASA’s Chandra X-ray Observatory.

The Chandra Data Archive (CDA) plays a central role in the mission by enabling the astronomical community – as well as the general public – access to data collected by the observatory. The primary role of the CDA is to store and distribute data, which the CDA does with the help of powerful search engines. The CDA is one of the legacies of the Chandra mission that will serve both the scientific community and the

Earthdata

NASA (N...n) [US] https://earthdata.i

EARTHDATA  
Powered by EOSDIS

Data Discovery DAACs Community Science Disciplines

ABOUT DATA COMMUNITY RESOURCES







Search datasets, news, articles, and information

Welcome to Earthdata 3.0

Enter your search term to search datasets, news, and articles.

Next

Feedback

 ATMOSPHERE
  CALIBRATED RADIANCE & SOLAR RADIANCE
  CRYOSPHERE
  HUMAN DIMENSIONS
  LAND
  OCEAN

## ABOUT EOSDIS

**The Earth Observing System Data and Information System** is a key core capability in NASA’s Earth Science Data Systems Program. It provides end-to-end capabilities for managing NASA’s Earth science data from various sources—satellites, aircraft, field measurements, and various other programs.





- ELECTRONIC JOURNALS
- ELECTRONIC BOOKS
- DIGITIZED COLLECTIONS**
- PUBLISHERS
- REPORTS
- MORE ▾

← RETURN COMPARE VIEW

### Dashboard

Perpetual Access  
Not ingested

DOWNLOAD HOLDINGS

COMPARE HOLDINGS

Search Publication Title

- Journal Titles
- Book Titles

## IEEE CONFERENCE PROCEEDINGS

IEEE Conference Proceedings Innovative Parallel Computing (InPar), 2012

### ScatterAlloc: Massively parallel dynamic memory allocation for the GPU

Markus Steinberger, Michael Kenzel, Bernhard Kainz, Dieter Schmalstieg  
*Innovative Parallel Computing (InPar), 2012*(May 2012): 1-10  
 ISBN: 978-1-4673-2631-5  
 DOI: 10.1109/InPar.2012.6339604  
 Portico Content Set: IEEE\_CONFPROC, (IEEE, Inc.)  
 Portico Item ID: ark:/27927/pgg3r5df1cp

Agreement Name IEEE, Inc. Agreement, Version 1.0 January 1, 2007)  
 PCA allowed No  
 Stable URL <http://audit.portico.org/stable?au=pgg3r5df1cp>

DOWNLOAD AU

- PDF
- Additional Information**
- Preservation Information
- Tree View
- PMD
- XML

Innovative Parallel Computing (InPar), 2012

Published by: IEEE

DOI: 10.1109/InPar.2012.6339604  
 Copyright year: 2012  
 Copyright holder: IEEE  
 May 2012, pages 1-10  
 Electronic pub-date: 24 October 2012  
 Volume ID: Publisher ID: 0b00006481a018b6

### ScatterAlloc: Massively parallel dynamic memory allocation for the GPU

Markus Steinberger  
 Institute for Computer Graphics and Vision, Graz University of Technology, Austria  
 Michael Kenzel  
 Institute for Computer Graphics and Vision, Graz University of Technology, Austria  
 Bernhard Kainz  
 Institute for Computer Graphics and Vision, Graz University of Technology, Austria  
 Dieter Schmalstieg  
 Institute for Computer Graphics and Vision, Graz University of Technology, Austria

#### Abstract

In this paper, we analyze the special requirements of a dynamic memory allocator that is designed for massively parallel architectures such as Graphics Processing Units (GPUs). We show that traditional strategies, which work well on CPUs, are not well suited for the use on GPUs and present the thorough design of ScatterAlloc, which can efficiently deal with hundreds of requests in parallel. Our allocator greatly reduces collisions and congestion by scattering memory requests based on hashing. We analyze ScatterAlloc in terms of allocation speed, data access time and fragmentation, and compare it to current state-of-the-art allocators, including the one provided with the NVIDIA CUDA toolkit. Our results show, that ScatterAlloc clearly

#NercompPDO2



# Welcome to The Official Site of MAME Development Team

## ✓ What is MAME

MAME stands for **M**ultiple **A**rcade **M**achine **E**mulator. When used in conjunction with images of the original arcade game's ROM and disk data, MAME attempts to reproduce that game as faithfully as possible on a more modern general-purpose computer. MAME can currently emulate several thousand different classic arcade video games from the late 1970s through the modern era.

The source code to MAME is available for development and learning purposes. Most of it is free and open source.

The main purpose of MAME is to be a reference to the inner workings of the emulated arcade machines. This is done both for educational purposes and for preservation purposes, in order to prevent many historical games from disappearing forever once the hardware they run on stops working. Of course, in order to preserve the games and demonstrate that the emulated behavior matches the original, you must also be able to actually play the games. This is considered a nice side effect, and is not MAME's primary focus.



 Search

You are here: Welcome to the MESS Wiki!

### External Links

- Forum
- GitHub MAME
- ProjectMESS

### Latest Updates

- New NOT WORKING systems by Sandro Ronco
- fix a couple of typos (nw) by Guru
- namcops2.c: updated PCB notes and added game compatibility list by Guru
- a2600: new 6502 PC=cur inst, old 6502 PC=prev inst (MT 5345) [Mike Saarna, Trebor, R. Belmont] by arbee
- bcs3: Various improvements. by Robbbert
- Mostly revert 3bb0fb2df7037fa60752035a7add4fcea5b8881d (nw) by Justin Kerk
- Fix rom size to match actual dump size (nw) by Scott Stone
- DEC LA120: Redumped firmware ROM, now passes checksum test (Brian

# Welcome to the MESS Wiki!

Welcome to the official wiki for MESS (**M**ulti **E**mulator **S**uper **S**ystem), part of the MAME<sup>1)</sup> project. MAME is a source-available project which documents the hardware for a wide variety of (mostly vintage) arcade machines, computers, video game consoles, and calculators through software emulation. As a nice side effect to this documentation, MAME allows software and games for these hardware platforms to be run on modern PCs. Prior to version 0.162 (May 2015), MAME only supported arcade machines, and MESS was a separate emulator for all other types of systems, built on the same code base, although there has been increasingly close cooperation between the teams for many years.

**AS OF VERSION 0.162, MAME AND MESS HAVE BEEN COMBINED INTO A SINGLE EMULATOR!** It is still possible (for now) to compile a separate MESS executable, but only the combined version is available as an official download (this combined build is just called "MAME", and supports all of the same features MESS used to). Please note that much of the documentation on this wiki and elsewhere has not yet been updated to take these changes into account.

The goal of this wiki is to document how to use MESS, the technical architecture of MESS, and the systems emulated by MESS. If you want to help, register a user name and look at the pages already in the Wiki to get an idea how things are currently laid out here.

As of version 0.163, MESS supports 1,081 unique systems with 2,199 total system variations and is growing all the time (you can find a complete list of the supported systems here). However, not all of the systems in MESS are fully functional.

**Table of Contents**

- Welcome to the MESS Wiki!
- Downloads
  - Emulator
  - Extra Files
  - External Frontends
  - Freely Available Systems
- Random Screenshots
- Documentation
  - Usage Docs
  - Programming Docs
  - Wiki Docs
- Driver Infos
- Development
- Tools
  - MESS Tools
  - Related Tools
  - Driver-Specific Tools
- Dumping Project
- Personal Pages
- Project Blogs
- MESS License
- Contact the Authors
- Links



[Search](#)

Now your fingers have a  
a **similar**, but **harder** challenge!

[Home](#)[Roms / Games](#)[Top Games](#)[Emulators](#)[Contact Us](#)[Affiliates](#)

## Roms



### MAME (Arcade) Roms

To play MAME games, you must first download an emulator, the program that runs the roms (games). Please select the right one for your operating system:

[Windows](#) / [Mac](#) / [Linux](#)

Now download [MAME Roms](#) and run them in the emulator.



### SNES (Super Nintendo) Roms

To play SNES games, you must first download an emulator, the program that runs the roms (games). Please select the right one for your operating system:

[Windows](#) / [Mac](#) / [Linux](#)

Now download [SNES Roms](#) and run them in the emulator.



### N64 (Nintendo 64) Roms

To play N64 games, you must first download an emulator, the program that runs the roms (games). Please select the right one for your operating system:

[Windows](#)

Now download [N64 Roms](#) and run them in the emulator.



### Sega Genesis Roms

To play Sega Genesis games, you must first download an emulator, the program that runs the roms (games). Please select the right one for your operating system:

[Windows](#) / [Mac](#)

Now download [Genesis Roms](#) and run them in the emulator.

Downloads for Other Systems

It  
has  
become  
**Circulus**



# ROMNation.NET

search for any game, ex: Chrono Trigger

Search

## Think Don't Tap the White Tile was a good game?



- Home
- Roms / Games
- Top Games
- Emulators
- Contact Us
- Affiliates

Roms » MAME » A

## MAME Roms at ROMNation.NET

0 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- 2.0 / 5 (2 votes) [A. D. 2083](#) 38KB
- 3.0 / 5 (1 vote) [A.B. Cop \(FD1094 317-0169b\)](#) 1.5MB
- 3.0 / 5 (1 vote) [Abunai Houkago - Mou Matenai \(Japan 890325\)](#) 237KB
- 4.0 / 5 (1 vote) [Acclaim PSX](#) 124KB
- 3.0 / 5 (1 vote) [Ace](#) 4.0KB
- 3.0 / 5 (1 vote) [Ace Attacker \(FD1094 317-0060\)](#) 468KB
- 4.0 / 5 (2 votes) [Ace Driver \(Rev. AD2, World\)](#) 7.6MB
- 4.0 / 5 (1 vote) [Ace Driver: Victory Lap \(Rev. ADV2, World\)](#) 12MB
- 3.0 / 5 (1 vote) [Acrobat Mission](#) 1.7MB
- 4.0 / 5 (2 votes) [Acrobatic Dog-Fight](#) 96KB
- 4.5 / 5 (2 votes) [Act Raiser \(Nintendo Super System\)](#) 568KB
- 5.0 / 5 (1 vote) [Act-Fancer Cybernetick Hyper Weapon \(World revision 2\)](#) 550KB
- 3.0 / 5 (1 vote) [Action Fighter, FD1089A 317-0018](#) 379KB
- Unrated (0 votes) [Action Hollywood](#) 1.3MB
- 3.0 / 5 (1 vote) [Adventure Quiz 2 Hatena Hatena no Dai-Bouken \(Japan 900228\)](#) 778KB
- 4.3 / 5 (6 votes) [Aero Fighters](#) 5.1MB
- 3.8 / 5 (6 votes) [Aero Fighters 2 / Sonic Wings 2](#) 5.7MB

### Don't Tap the White Tile has evolved





**Rebecca Ciota**  
@CiotaRebecca



Digital #preservation of an early Japanese #SonictheHedgehog #game. [arstechnica.com/gaming/2015/09...](http://arstechnica.com/gaming/2015/09...) #library #archive

**Collectors preserve nearly lost Sonic arcade game through emulation**

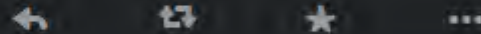
By Kyle Orland @KyleOrl

Sonic Patrol Car kiddy ride will soon be playable via MAME.



 **Ars Technica**  @arstechnica

6:37pm · 21 Sep 2015 · Twitter Web Client



Reply to @CiotaRebecca





©SEGA 1991

# Olive Executable Archive

Olive is a collaborative project seeking to establish a robust ecosystem for long-term preservation of software, games, and other executable content. Born at [Carnegie Mellon University](#), Olive addresses the current gap in preservation technology by providing a curated environment for the preservation and distribution of executable content.

## What is Olive?

Learn more about the Olive Project.

[About Olive »](#)

## Our Virtual Machines

Read about the software we have virtualized.

[Our Collection »](#)

## News & Updates

Get the latest news from the Olive Project.

[Read the Blog »](#)



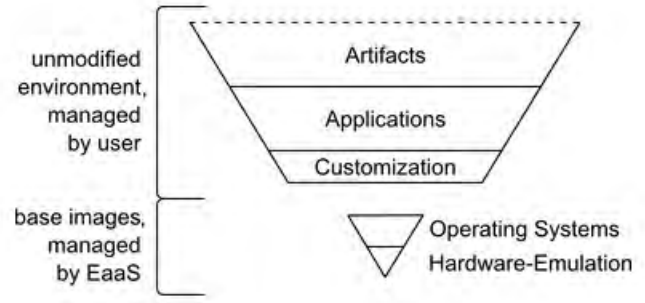
- Home
- Emulation as a Service
- Use Cases / Demos
- Publications
- twitter
- blog

# bwFLA — Emulation as a Service

## Functional Long-Term Archiving

Digital data is highly volatile, the processes and systems that make use of it even more so. Initially creating data and establishing workflows is very costly, in an ever-changing technological environment the upkeep presents a long-term challenge. To fulfill their designed purpose over a long period of time or for making research results, documents and decisions of today verifiable in the future, efficient and authentic access is required.

In most cases the best way to render a certain digital object is using its creating applications, since these cover most of the object's significant properties, hence providing an authentic and possibly an interactive user experience. Therefore, emulation is a key strategy to provide a digital object's native environment and thus maintain its original **characteristics, look & feel** and **utility**.



## Emulation as a Service

Emulation as a strategy for digital preservation is about to become an accepted technology for memory institutions as a method for coping a large variety of complex digital objects. Hence, the demand for ready-







Time Travel ▾

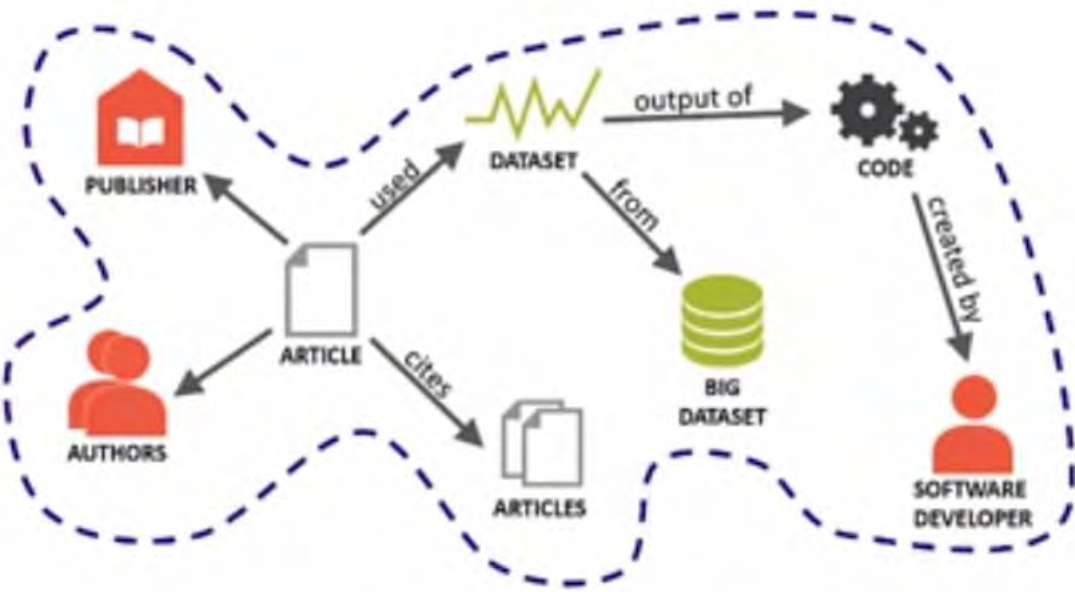
[About](#) [API](#) [Privacy](#) [Terms](#)

# time travel

<input type="text" value="http://"/>			
<input type="text" value="2003-01-20"/>	<input type="text" value="13:16:16"/>	<input type="button" value="Find"/>	<input type="button" value="Reconstruct"/>

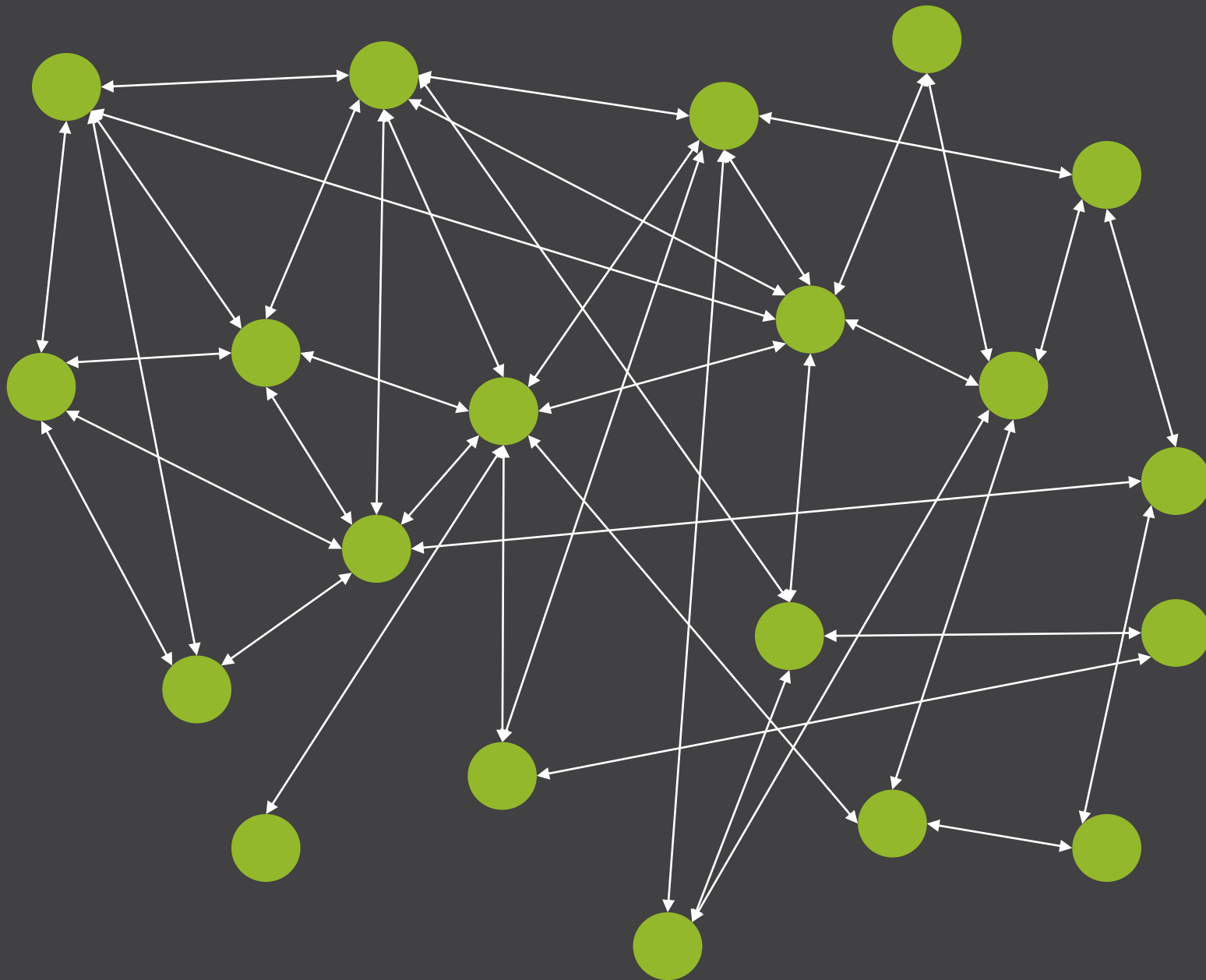
Find Mementos in Internet Archive, Archive-It, British Library, archive.today, GitHub and [many more!](#)





# RMap DiSCO

*(Distributed Scholarly Compound Object)*



#NercompPDO2



## HOW IT WORKS

- ① This publication has multiple distributed components, and a handful of contributors with different roles



- ② With URIs representing each item this information can be conceived as a linked data graph. In RMap this graph is called a "DiSCO"\*



- ③ Different institutions may create DiSCOs representing different aspects of the same objects

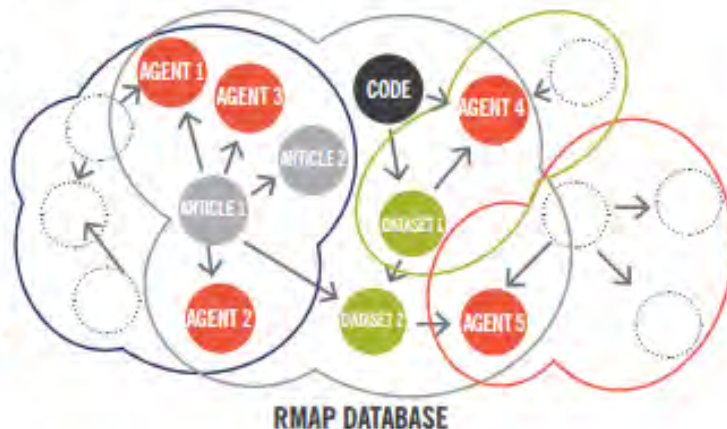
RMap DiSCO  
Source: Researcher

RMap DiSCO  
Source: Publisher

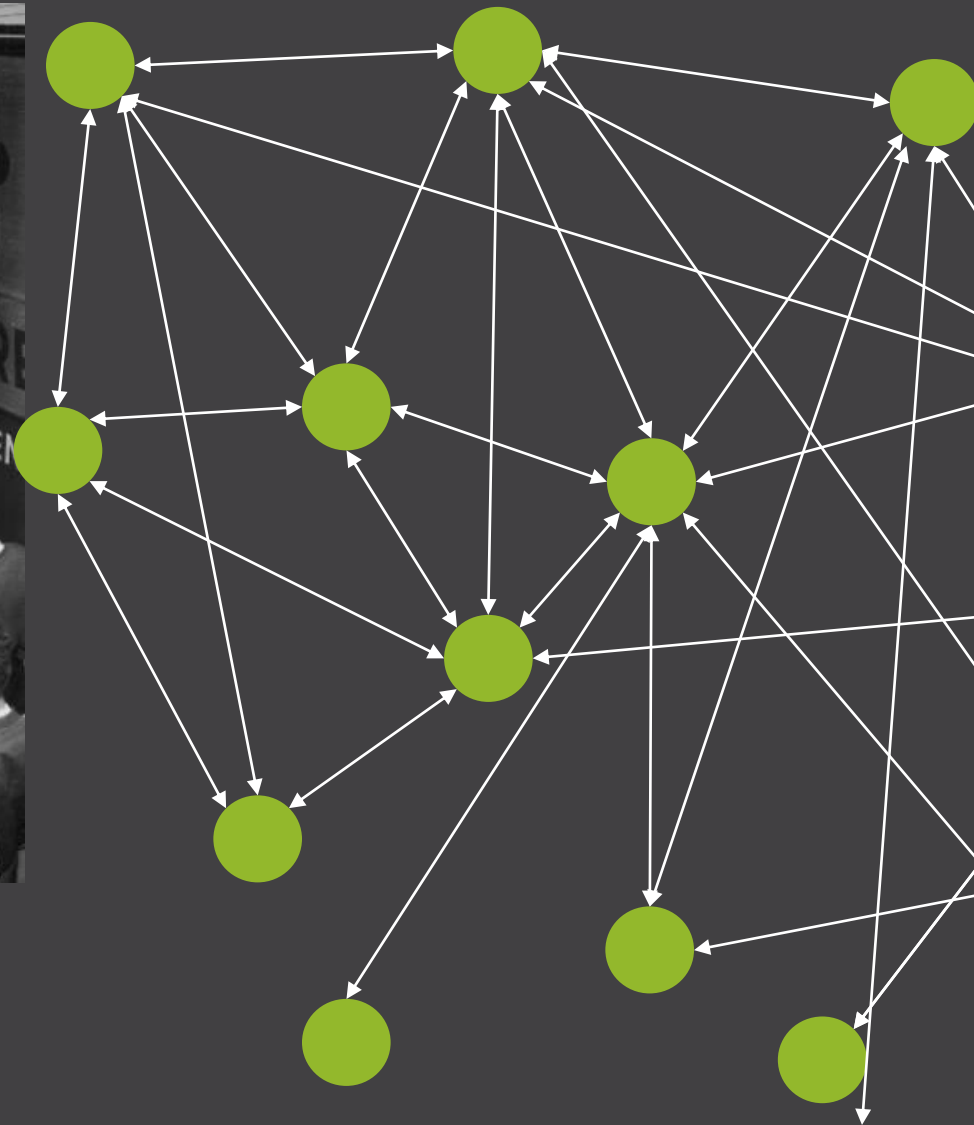
RMap DiSCO  
Source: Identity Provider

RMap DiSCO  
Source: Data Repository

- ④ DiSCOs deposited as RDF through REST API (POST /discos/)



- ⑤ Data can be retrieved through RMap REST API requests



[amy.kirchhoff@ithaka.org](mailto:amy.kirchhoff@ithaka.org)

workshop evaluation: [bit.ly/nercomp\\_future15](http://bit.ly/nercomp_future15)

#NercompPDO2



# Rhind Mathematical Papyrus

[http://www.britishmuseum.org/explore/highlights/highlight\\_objects/aes/r/rhind\\_mathematical\\_papyrus.aspx](http://www.britishmuseum.org/explore/highlights/highlight_objects/aes/r/rhind_mathematical_papyrus.aspx)



# Photo by Joshua Mayer

<https://flic.kr/p/wxai2c>



# via ScienceDump

[https://www.reddit.com/r/OldSchoolCool/comments/3l18hv/5\\_mb\\_harddrive\\_being\\_shipped\\_by\\_ibm\\_1956/](https://www.reddit.com/r/OldSchoolCool/comments/3l18hv/5_mb_harddrive_being_shipped_by_ibm_1956/)

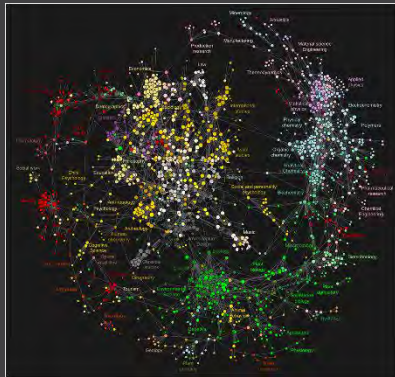
#NercompPDO2





## The Bat Cave, *Batman* (1966)

via gameraboy, <http://randar.com/post/63103210010/the-bat-cave-batman-1966>



## Clickstream Data Yields High-Resolution Maps of Science

doi: [10.1371/journal.pone.0004803.g005](https://doi.org/10.1371/journal.pone.0004803.g005)



## Waku Waku Sonic Patrol Car DIRECT FEED GAMEPLAY

<https://youtu.be/kSLErHw2mbE>