A brief history of born-digital news preservation in the US

Edward McCain
Digital Curator of Journalism
University of Missouri Libraries and Donald W. Reynolds Journalism Institute

www.rjionline.org/jdna
@RJIJDNA
#savenuews
1984
Eric Arthur Blair
a.k.a. George Orwell

1949
"FOR SOME REASON THEY WERE NICKNAMED MEMORY HOLES"

– Orwell, 1984
'We are nonchalantly throwing all of our data into what could become an information black hole.'

— Vint Cerf
Yin Yang Night Club benefit drag show raises money for Orlando victims' families

From entry fees, tips and donations, Yin Yang raised a total of $4,043 at the drag show. Approximately 400 people were in attendance.

- Yin Yang Clubs hosts drag show

MU internal audit highly critical of CAFNR

Two weeks after MU released an internal audit showing how CAFNR employee Carla Rothmann was able to steal more than $700,000, the university released another internal audit critical of the entire college.

Sewage pipe burst contaminates Mill Creek

City crews have been on site since Saturday to fix the problem and clean up the mess.

Latest News

- MU internal audit highly critical of CAFNR
- NGXML chapter clashes with MU over proposed T-shirt designs
- US: Facing Argentina, Messi in Copa semi not overwhelming
- Bale makes 3 goals in 3 games as Wales wins group
- Mayor heads: Breaks finally fall Dustin Johnson's way

Most Popular

Some stories appear more than once on this list because their urls changed during the editing process.
Search the Missourian Archives

- Search the archives of the *Columbia Missourian* print edition from February, 2002 to the present

- Search Tips for the Missourian archives

- Digitized Missourians, 1929, 1966 – 1985
  Full text searching of the Missourian through the Missouri Historical Newspaper Project

PLEASE NOTE

- At this time there are no electronic archives for the 1986 – early 2002 Archives.
- Vox Magazine is kept through the magazine office.
For every $1 gained in digital, $7 are lost in print revenue.
Newspaper Death Watch

Founded March 5, 2007
Chroning the Decline of Newspapers and the Rebirth of Journalism

R.I.P.
North American metro dailies that have closed since this site was created in March, 2007

Tucson Citizen
Rocky Mountain News
Baltimore Examiner
Kentucky Post
Cincinnati Post
King County Journal
Union City Register
Halifax Daily News
Albuquerque Tribune
South Idaho Press
San Juan Star
Honolulu Advertiser

Wikipedia list of defunct U.S. newspapers

W.I.P.
Works In Progress: Major metro dailies that have cut frequency, or adopted hybrid online/print or online-only models.

Ann Arbor News
Capital Times
Catskill Daily Mail & Hudson Register-Star
Christian Science Monitor

Searching NDW

Subscribe by RSS or E-mail

Enter your email address:

Pages
About
Advisory Services
Contact
FAQ
In the News
Other Scribblings
Speaker Information

Poll
What Do You Think of Jeff Bezos' Purchase of the Washington Post?

- It's the shot in the arm the industry needs
- Promising but it's too easy to tell
- I'm nervous; he

TUCSON CITIZEN 1870-2009
The Tucson Citizen newsroom after closing
The Tucson Citizen “morgue” after the closing
TUCSON CITIZEN MORGUE, PART 1 (2006-2009)

TucsonCitizen.com beta version launches today
by Mark B. Evans on Jun. 01, 2009, under Local

UPDATE: We’re working out some last minute glitches and the new site should be up soon.

At about noon today, we will switch over to the beta version of the new TucsonCitizen.com.

The new site will appear fairly basic for a couple of weeks while programmers and designers work on its ultimate look and function.

About a dozen people have agreed to begin blogs or transfer their blogs to our new site. Some will begin blogging today, others throughout this week and next.

Another dozen or more have expressed strong interest and are likely to begin blogging before the month is out.
In 2010, a power surge fried a server that contained all of videos linked to dozens of stories in this archive. Also, a server that contained all of the databases for dozens of stories was accidentally erased, so all of those links are broken as well. However, all of the text and photos that accompanied some stories have been preserved.

UPDATE: We’re working out some last minute glitches.

At about noon today, we will switch over to the beta version.

The new site will appear fairly basic for a couple of weeks, but will eventually be a much more comprehensive and usable tool for local news.
Our Digital Archive
This blog page archives the entire digital archive of the Tucson Citizen from 1993 to 2009. It was gleaned from a database that was not intended to be displayed as a public web archive. Therefore, some of the text in some stories displays a little oddly. Also, this database did not contain any links to photos, so though the archive contains numerous captions for photos, there are no links to any of those photos.

There are more than 230,000 articles in this archive.

In TucsonCitizen.com Morgue, Part 1, we have preserved the Tucson Citizen newspaper's web archive.
National Digital Information Infrastructure and Preservation Program (NDIIPP) workshop
2009 LC/NDIIPP Archiving Digital News Workshop recommendations

• National effort
2009 LC/NDIIPP Archiving Digital News Workshop recommendations

• National effort

• Full range of news
2009 LC/NDIIPP Archiving Digital News Workshop recommendations

- National effort
- Full range of news
- Published and “raw” content
2009 LC/NDIIPP Archiving Digital News Workshop recommendations

- National effort
- Full range of news
- Published and “raw” content
- Many stakeholder groups
2009 LC/NDIIPP Archiving Digital News Workshop recommendations

- National effort
- Full range of news
- Published and “raw” content
- Many stakeholder groups
- Large media organizations contribute resources
2009 LC/NDIIPP Archiving Digital News Workshop recommendations

- National effort
- Full range of news
- Published and “raw” content
- Many stakeholder groups
- Large media organizations contribute resources
- Serve needs and interests of users
2009 LC/NDIIPP Archiving Digital News Workshop recommendations

• National effort

• Full range of news

• Published and “raw” content

• Many stakeholder groups

• Large media organizations contribute resources

• Serve needs and interests of users

• Respect intellectual property
Citizen Journalists and Community News: Archiving for Today and Tomorrow
2010 LC Citizen Journalists Meeting: Concrete Next Steps, Recommendations

- Provide mechanisms for participation
2010 LC Citizen Journalists Meeting:
Concrete Next Steps, Recommendations

• Provide mechanisms for participation

• Provide tools to support archiving
2010 LC Citizen Journalists Meeting:
Concrete Next Steps, Recommendations

- Provide mechanisms for participation
- Provide tools to support archiving
- Best practices
2010 LC Citizen Journalists Meeting:
Concrete Next Steps, Recommendations

- Provide mechanisms for participation
- Provide tools to support archiving
- Best practices
- Partnership networks
2010 LC Citizen Journalists Meeting: Concrete Next Steps, Recommendations

- Provide mechanisms for participation
- Provide tools to support archiving
- Best practices
- Partnership networks
- Conferences
Rescuing orphaned and digital content

April 10-12, 2011

The Newspaper Archive Summit
Victoria McCargar white paper:

- Digitization vs preservation
Victoria McCargar white paper:

- Digitization vs preservation
- Identify and prioritize risks
Victoria McCargar white paper:

- Digitization vs preservation
- Identify and prioritize risks
- Preserve contemporary news
Victoria McCargar white paper:

• Digitization vs preservation

• Identify and prioritize risks

• Preserve contemporary news

• Economics of ownership
Victoria McCargar white paper:

• Digitization vs preservation
• Identify and prioritize risks
• Preserve contemporary news
• Economics of ownership
• It’s a not just a library problem
Katherine Skinner & Matt Shultz

- Preservation as spectrum
- Rationale
- Incremental steps
- Engage at any level
- Case studies
April 2014

**Significant Loss of News Content**

Q5c: Have you ever experienced a significant loss of news content?

<table>
<thead>
<tr>
<th></th>
<th>Online Only</th>
<th>Hybrid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>17%</td>
<td>27%</td>
</tr>
<tr>
<td>No</td>
<td>81%</td>
<td>70%</td>
</tr>
<tr>
<td>DK/NS</td>
<td>1%</td>
<td>3%</td>
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</table>
Insufficient policy as threat to BNDC

<table>
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<th>Hybrid</th>
</tr>
</thead>
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<td>22%</td>
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<tr>
<td>Less Threat</td>
<td>20%</td>
<td>21%</td>
</tr>
<tr>
<td>Moderate Threat</td>
<td>27%</td>
<td>26%</td>
</tr>
<tr>
<td>Threat</td>
<td>11%</td>
<td>17%</td>
</tr>
<tr>
<td>Great Threat</td>
<td>1%</td>
<td>10%</td>
</tr>
</tbody>
</table>

Rank lack of or insufficient policy or plan for preservation as a threat

April 2014
CMS usage to store/retrieve BDNC

Q4b: Do you store and retrieve BD content using a CMS?

<table>
<thead>
<tr>
<th></th>
<th>Online Only</th>
<th>Hybrid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes, Own</td>
<td>47%</td>
<td>20%</td>
</tr>
<tr>
<td>Yes, Vendor</td>
<td>21%</td>
<td>41%</td>
</tr>
<tr>
<td>No</td>
<td>7%</td>
<td>19%</td>
</tr>
<tr>
<td>DK/NS</td>
<td>24%</td>
<td>18%</td>
</tr>
<tr>
<td>Others</td>
<td>0%</td>
<td>1%</td>
</tr>
</tbody>
</table>
dodging the memory hole
Dodging the Memory Hole 2014
November 2014

Dodging the Memory Hole 2014
Six categories for action:

• Awareness

• Legal framework

• Policies

• Resources

• Standards and Practices

• Technology
Three priority action areas, eight leadership teams:

- Awareness
  - Environmental Scan
  - Advocacy Messaging
  - Public-Private Partnerships
- Standards and Practices
  - Preserving print-ready (born-digital) PDFs
  - Preserving web-based content
  - News metadata
  - Content Management Systems
- Legal framework
  - Succession Agreements
DtMH 2015 Leadership team efforts:

- Edited survey instruments
- Outlined guidelines for donation/succession agreements
- Drafted plan for CMS interoperability schema
- Announced Memento for WordPress project
In the last 25 years people have made more money investing in English antique furniture than on the London Stock Exchange.
Sen. Patty Murray of Washington emphasized Gore's 10-year education plan to build more public schools and hire 100,000 teachers while also implementing higher accountability standards -- issues that Republican nominee George W. Bush has made the mainstay of his own education agenda.

"Some people talk about education at election time. Al Gore has worked to improve it over a lifetime," Murray said. "He will revolutionize public education by investing more and demanding more. He'll treat teachers like the professionals they are. And with Joe Lieberman by his side, he'll continue what we started."

The speeches received increasing enthusiastic rounds of applause from the delegates as they awaited the speeches from the Clintons.
Sorry.

This URL has been excluded from the Wayback Machine.
Rain suspends UK’s NCAA tournament baseball game
By Mark Maloney
The game will resume at 11 a.m. Saturday, with Michigan runners on first and second, two outs in the bottom of the sixth and the Wolverines leading 5-1.

Dawahare’s files for bankruptcy
By Jim Jordan
The Lexington-based Dawahare’s chain of clothing stores filed for bankruptcy reorganization Friday, citing the national economic downturn and competition from other retailers.

Audrey Weber, 4, shouted “Mommy, I got one, I got one!” at the Saint Elizabeth Ann Seton Church fair in Lexington on Friday. Audrey won a fish on one of her last throws at the booths. | SLIDE SHOW

FRESH BLOG HEADLINES
UK basketball: SEC divides record amount of money
The Musical Box: keen observer
Pol Watchers: ‘Comment’ topic: special session
The Buzz: Cedar from Maine, music from Kentucky
KyKurmdgeon: Can he cite a reference for that?
Ask Us: Ants on my pearries, oh no!
Tom Eblen: Obama and Appalachia
Copious Notes: Hotels.com ad campaign bugs me
Complete blog linear

SPORTS UPDATE
Icenogle, Everett excel in Legends’ victory
Sports calendar
New challenge for UK quarterbacks coach
Pilethra of Horsemen sprang from same Herd
Pistons’ Hamilton to play in Game 6
Ex-EKU guard Leonard lands at Missouri State
Duquesne hires former UK assistant Rigot
KENTUCKY GOLF: Set tee time, save money
An international prize

The 65th annual Pictures of the Year International competition...

eNews & Updates

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Latest Video: Nothing slows down Adam Bender
Webbs tweak CentrePointe design

Vice mayor: Tower still 'troublesome'

By Steve Lamen and Michelle Kuj
SLAMEN@HERALD-LEADER.COM

Developers of a controversial high-rise project in downtown Lexington have submitted revamped plans, but the city's vice mayor said the CentrePointe proposal remains "troublesome."

New plans by the Webb Cos. include:
- Putting the hotel lobby and entrance facing West Main Street instead of Vine Street.
- Moving the tower away from the street so the façade along Main Street is similar in height to nearby buildings.
- Attempting to preserve the façade of the Rosenberg jewelry store.
- Possible space for a live-

A rendering shows the CentrePointe project from a Main Street view looking on it from the east. The complex's tower is set back from the street. Rendering by Webb companies
Developers of a controversial high-rise project in downtown Lexington have submitted revamped plans, but the city's vice mayor said the CentrePointe proposal remains "troublesome."

New plans by the Webb businesses include:

Putting the hotel lobby and entrance facing West Main Street instead of Vine Street.

Moving the tower away from the street so the façade along Main Street is similar in height to a hotel.
2016
The Bowling Green Daily News

http://www.bgdailynews.com/
Saved 671 times between January 25, 1999 and May 1, 2016.

PLEASE DONATE TODAY. Your generosity preserves knowledge for future generations. Thank you.
http://thegayword.com/

Saved 45 times between February 2, 2011 and August 9, 2016.

PLEASE DONATE TODAY. Your generosity preserves knowledge for future generations. Thank you.
La Voz de KY

http://lavozky.com/

Saved **60 times** between **November 4, 2007** and **March 19, 2016**.

**PLEASE DONATE TODAY.** Your generosity preserves knowledge for future generations. Thank you.
LEXINGTON

Comisión de Inmigración recomienda Identificaciones
Por/By: Randy Ewing | La Voz de KY
LEXINGTON – La Comisión de Inmigración se reunió este lunes para votar ocho recomendaciones que espera presentar más tarde esta semana al alcalde Jim Newberry. Entre las conclusiones de la Comisión...

LEXINGTON

¡Keeneland, mejor que nunca!
La Voz de KY | La Voz de KY
LEXINGTON: Asistencias récord, finales de fotografía, clima inmejorable, y la crema del mundo equino con sus mejores jinetes y extraordinarios caballos se dan cita actualmente en el hipódromo de Keeneland...

LEXINGTON

Recordar, Revivir y Regocijarse en el Singletonary
Por: Randi Ewing | La Voz de KY
LEXINGTON – Desde hoy hasta el 3 de noviembre, el Living Arts and Science Center LASC (Centro de Ciencias y Artes Vivas) y la galería Gloria Singletonary albergarán Recordar, Revivir y Regocijarse, una...
http://keyconversationsradio.com/
Saved 45 times between August 2, 2010 and May 28, 2016.

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How this makes me feel
2016
October 2016

2016 DtMH Goals:

• National Agenda
2016 DtMH Goals:

- National Agenda
- Identify stakeholder roles
October 2016

2016 DtMH Goals:

• National Agenda

• Identify stakeholder roles

• Cooperation and knowledge sharing
October 2016

2016 DtMH Goals:

• National Agenda

• Identify stakeholder roles

• Cooperation and knowledge sharing

• Examine news content management systems
2016 DtMH Goals:

- National Agenda
- Identify stakeholder roles
- Cooperation and knowledge sharing
- Examine news content management systems
- Prepare students
2016 DtMH Goals:

- **National Agenda**
- **Identify stakeholder roles**
- **Cooperation and knowledge sharing**
- **Examine news content management systems**
- **Prepare students**
- **Identify specific projects**
Join us at UCLA in October!
Sign up now: www.rjionline.org/events

www.rjionline.org/jdna   @rjjdna   mccaine@rjionline.org

www.rjionline.org/jdna   @e_mccain