THE FUTURE OF THE PAST

How to give your digital archives a fighting chance

Victoria McCargar, M.A., MLIS
Peter Johnson, MLS
Preservati Partners

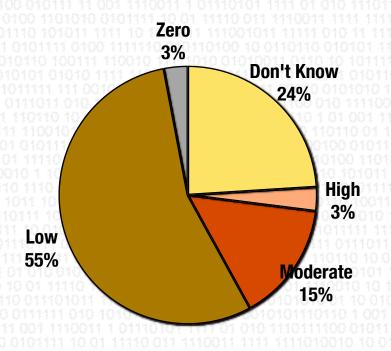
Victoria McCargar | Peter Johnson

What if you're not LoC?

'There is a growing realization that the answer to [issues of digital loss] calls for coordinated approaches on both the national and international level. Digital preservation is too big an issue for individual institutions or even sectors to address on their own. The required effort is simply not feasible...

Test your knowhow

2005 News Archives Survey



- ✓ Low level of familiarity with preservation issues
- ✓ < 20% high or moderate level

Attention, Chicken Little

- A significant digitization project quietly starts collecting pristine paper backups
- Explosion in metadata 'standards' -calls for a moratorium
- Off the record, many digital preservationists concede big losses are inevitable

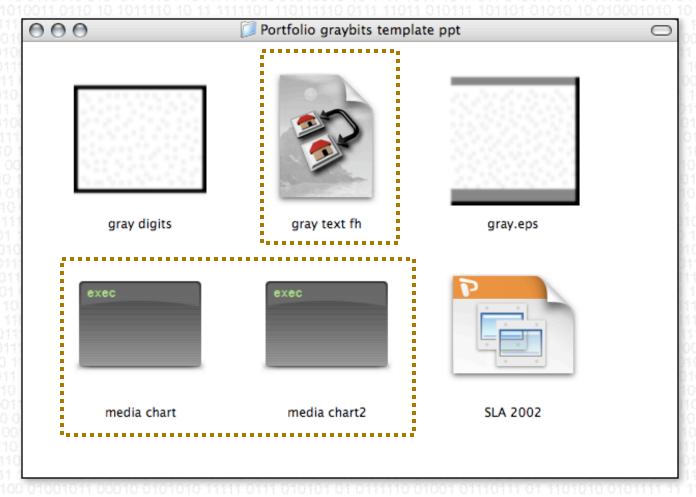
Attention, Chicken Little

- Mature DAM systems show signs of trouble
 - Scanning projects left out OCR
 - No contingencies for disposal or migration of obsolete formats
 - File corruption and data loss are going unnoticed
- Librarians/archivists undervalued

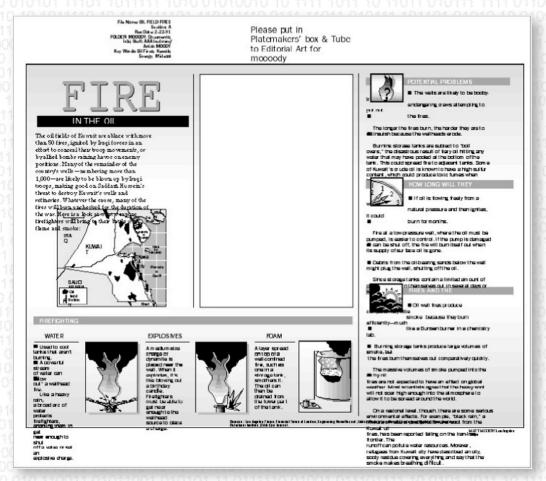
Attention, Chicken Little

• Small collections, personal papers, non-monetized assets are especially at risk

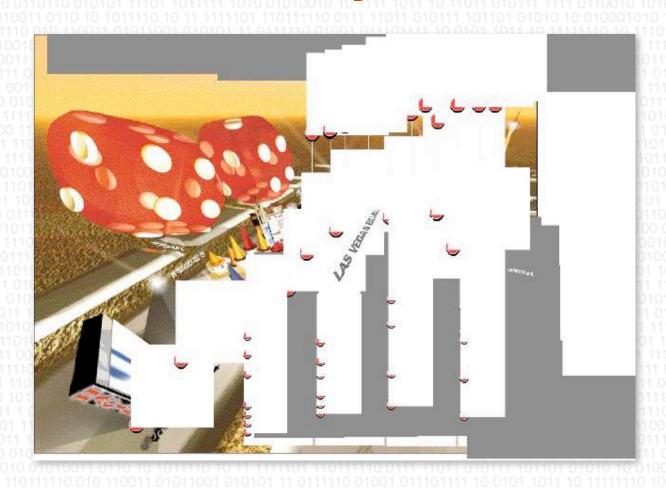
Objects become unreadable



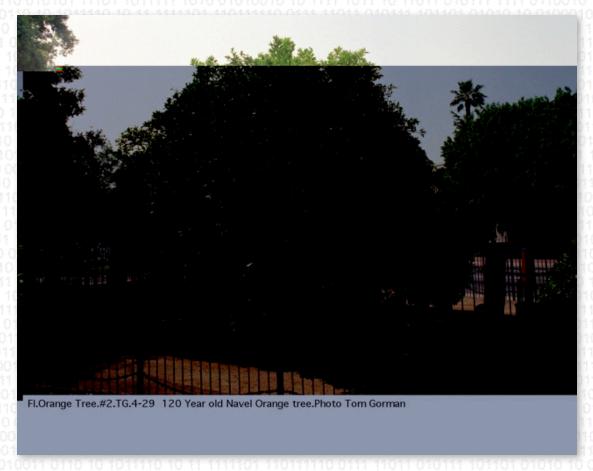
'Readable' objects aren't



'Readable' objects aren't



... or 'safe' files get corrupted



... or 'safe' files get corrupted



Caption: Photog/Artist: Writer:

File Name EN1 0614 C SHEEHAN P
Call Out Name: drenigy

Call Out Name: drrepjgy

Publication Date:

Acquired Date: Tuesday May 21 1996

Progress, progress

- Clearer agreement on what 'preservation' means (hint: not 'digitization')
- A working PREMIS-based 'dark archives' model
- New focus on economics of sustainability
- Open source software
- Guidelines for 'trusted' repositories

Learning from big repositories

- RLG-CRL certification project
 - Formal audit instrument
 - Now TRAC: Trusted Repositories
 Audit & Certification
 - http://www.crl.edu
- 10 universal criteria for TDRs from four global preservation projects (CRL, DPE, nestor, DCC)

1. The repository commits to continuing maintenance of digital objects for identified community/communities.

- You have signed on to preserve digital objects in perpetuity.
- You know/predict/guess who your future users are and what what their likely information needs will be.
- √ Who will be looking at your stuff?
- √ What will they want to see? How?

2.Demonstrates organizational fitness (including financial, staffing structure and processes) to fulfill its commitment.

- Continuing education for staff
- What happens to your stuff if you go out of business? Have a plan
- What happens if your vendor goes out of business? Have a plan
- Read corporate financials: yours, your vendors'

3. Acquires and maintains requisite contractual and legal rights and fulfills responsibilities.

- Don't ingest anything you don't have clear rights to
- Have a contract to back up whatever you don't own
- Rights should be noted in each object or record
- √ What's your tolerance for lawsuits?

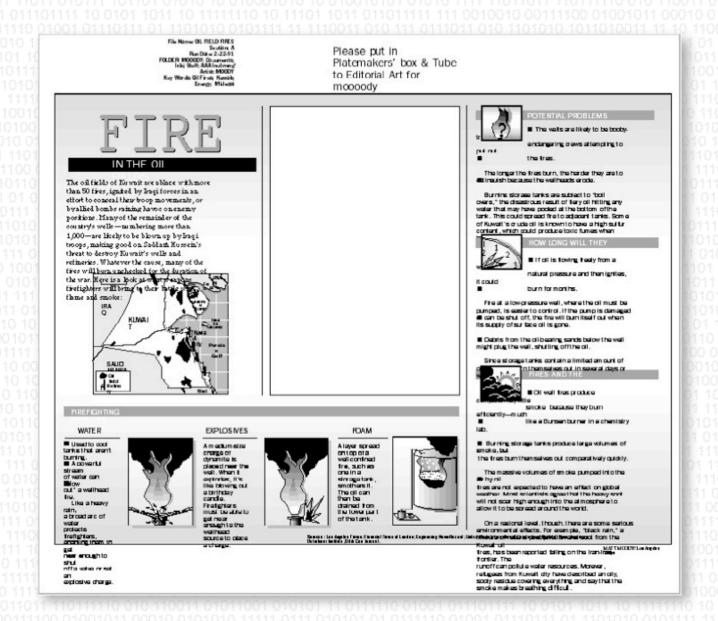
4. Has an effective and efficient policy framework.

- Have a policy that spells out what you keep and what you delete and why
- It's reflected in your systems
- In writing -- handout, posted message, intranet
- √ You use it

5. Acquires and ingests digital objects based upon stated criteria that correspond to its commitments and capabilities.

- Limit the types of files you'll agree to ingest
- Ubiquitous formats are safer than specialized ones -- for now
- Bone up on your industry standards and regulations

6. Maintains/ensures the integrity, authenticity and usability of digital objects it holds over time.



- Know your formats and watch for longevity issues
- Plan your data migrations carefully and test, test, test
- Know what migration paths will sustain necessary functionality
- Know your legal requirements for proving authenticity

7. Creates and maintains requisite metadata about actions taken on digital objects during preservation as well as about the relevant production, access support and usage process contexts before preservation.

- Document what you do to files and objects: migration processes, format changes, upgrades: .doc --> .pdf
- Note who did it, where, when and under what circumstances

8. Fulfills dissemination requirements.

- You deliver to users what you say you will deliver
- Searches are successful (users can find what they want)
- Objects are useable (they function as you've said they will)
- You quantify and track unsuccessful searches and problems with objects

9. Has a strategic program for preservation planning and action.

- Incorporating 'all of the above' -moving beyond a 'seat of the pants,' reactive non-program
 - Policy
 - Education of stakeholders
 - Monitoring formats and lives of objects
 - Enhanced metadata

10. Has a technical infrastructure adequate to continuing maintenance and security of its digital objects.

- Your systems are up to the task, including IT support
- Library-IT cooperation
- Your system and vendors are flexible enough to allow for more and better metadata, smarter search engines
- No point in embedding preservation metadata if you can't use it



Avoiding obstacles

- Fear not the IT priesthood
- Eradicate this sentence: 'I'm not technical.'
- Mount a campaign to educate stakeholders -- you already know more than they do
- Have a say in purchases of cheap, bottomless memory

Important caveat

'The key premise underlying the core requirements is that for repositories of all types and sizes preservation activities must be scaled to the needs and means of the defined community or communities.'

Important caveat

- Have you taken on more than you can handle, committed to a role you can't fulfill?
- Could you be undertaking a more sophisticated preservation program?

Over to you!

• Contacts:

- Victoria McCargar <u>mccargar_preservati@mac.com</u>
- Peter Johnson johnson_preservati@mac.com