



The Digital Future of the Past and Present

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- ❑ Preserving the past
- ❑ Traditional vs. digital preservation
- ❑ The dilemma of modern media
- ❑ Challenges
- ❑ The way forward

Preserving the Past



Into the Future - On the Preservation of Knowledge in the Electronic Age ★ American Film Foundation

Preserving the Past: Into the Future with Terry Sanders - Perspectives (April 1998) - American Historical Association

http://www.historians.org/Perspectives/issues/1998/9804/9804FIL2.CFM

American Historical Association
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From the **Film and Media** column in the April 1998 **Perspectives**

Preserving the Past: Into the Future with Terry Sanders

By Pillarisetti Sudhir

When ancient lithographers chiseled with lapidary skill their masters' voices into stone, they knew that their work would endure. When cloistered monks incised their illuminated uncials and italics into parchment, they too knew that the marks of civilization they were inscribing were designed to last. Even the coming of the printed book and the paperback did not presage the death of the durable text. Today, however, as digital magic converts words and pictures into electronic texts that can be disseminated at the speed of light, the question that has begun to loom large is: How long will these new cybertexts last? Each step in the technology of textual reproduction has made access to knowledge more democratic and universal. Now access is virtually universal, or soon will be; but will these easily retrievable texts be available in the future? This is the critical question posed by *Into the Future: On the Preservation of Knowledge in the Electronic Age*, the significant new documentary film by Terry Sanders that was recently shown on PBS.¹

The 56-minute film was commissioned—like Sanders's 1987 film, *Slow Fires: On the Preservation of the Human Record*—by the Commission on Preservation and Access, which recently merged with the Council on Library Resources to become the Council on Library and Information Resources (CLIR), in association with the American Council of Learned Societies. It was produced by the American Film Foundation and was funded by the Alfred P. Sloan Foundation, the National Endowment for the Humanities, and the Xerox Corporation.

Internet | Korunmalı Mod: Kapalı

TR 20:43

The Dempsey Paradox



The Internet has reversed information seeking from:

- Time rich / information poor
- Information rich / time poor



"What is not online, does not exist !"



- As a society we are “becoming increasingly dependent on digital artifacts to represent our cultural and artistic heritage”.
- Yet, as Jeff Rothenberg puts it, “Digital documents last forever – or five years, whichever comes first”.

Digital Dark Ages



Click to **LOOK INSIDE!**

"Given that we are losing our previous heritage as what Berman calls 'disappearing ink,' one criticism likely would appear to be at least this: Is there an answer to the dilemma? (Berman) might be asked, certainly the full discussion of the problem is well beyond my scope in summarizing its distinctive criteria."

Ray Kurzweil, author of *The Age of Spiritual Machines*

DARK AGES II WHEN THE DIGITAL DATA DIE

BRYAN
BERGERON

"This book will make digital perfection passersby. It shows how many more pieces of your own life information that have digital keys, which is simply a matter of the culture's state in our time."
Peter Lyddis, creator of *The Long View: A Vision for the Coming Age of Prophecy*

"Though we have developed traditions of which organizations . . . should take responsibility for preserving . . . analog material . . . , no such traditions exist yet for digital material. As a result of this, much current material originating in digital form falls through the cracks, and is unlikely to be accessible to future generations." (Besser, 2001)

“Preservation through Neglect”



- “archivists have often operated on the principle of “preservation through neglect,” which has meant that materials that lasted fifty or one hundred years found their way into an archive, library, or museum. The difference with digital data is that it appears that if we wait twenty-five years, it may be too late--we could have nothing rather than, say, 10 percent of the data.”

Traditional vs. Digital Preservation



Preserving Our Digital Heritage: The National Digital Information Infrastructure and Preservation Program 2010 Report

File Edit View Document Tools Window Help

13 (18 of 141) 140% Find

Fig. 1. Traditional Preservation Versus Digital Preservation
Digital content requires active management throughout its entire period of use.

Traditional Preservation

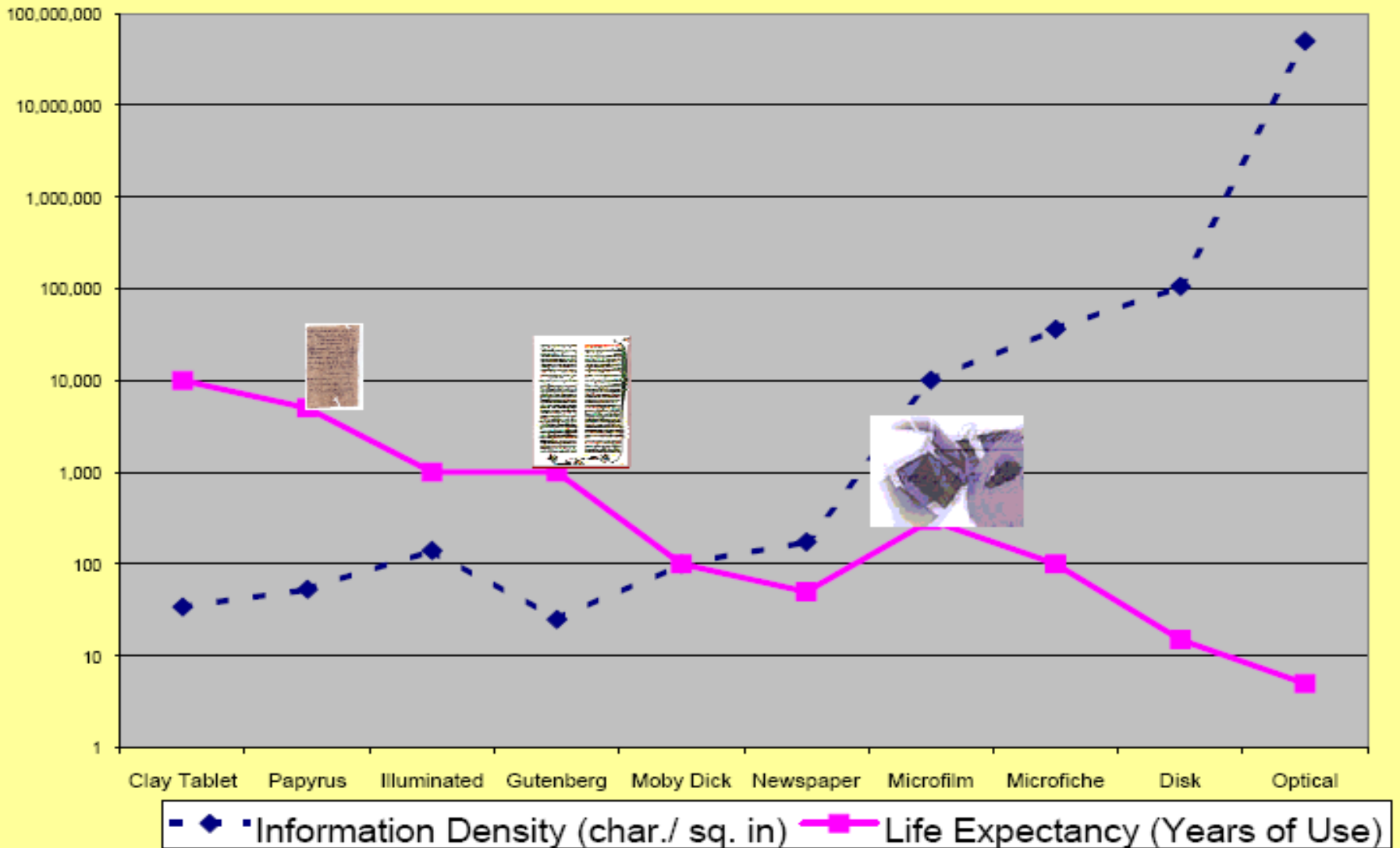
creation distribution library/archives collection preservation action long-term access

Digital Preservation

creation distribution library/archives collection long-term access

preservation action preservation action preservation action

The Dilemma of Modern Media



(Conway: Preservation in A Digital World: CPA 1996)



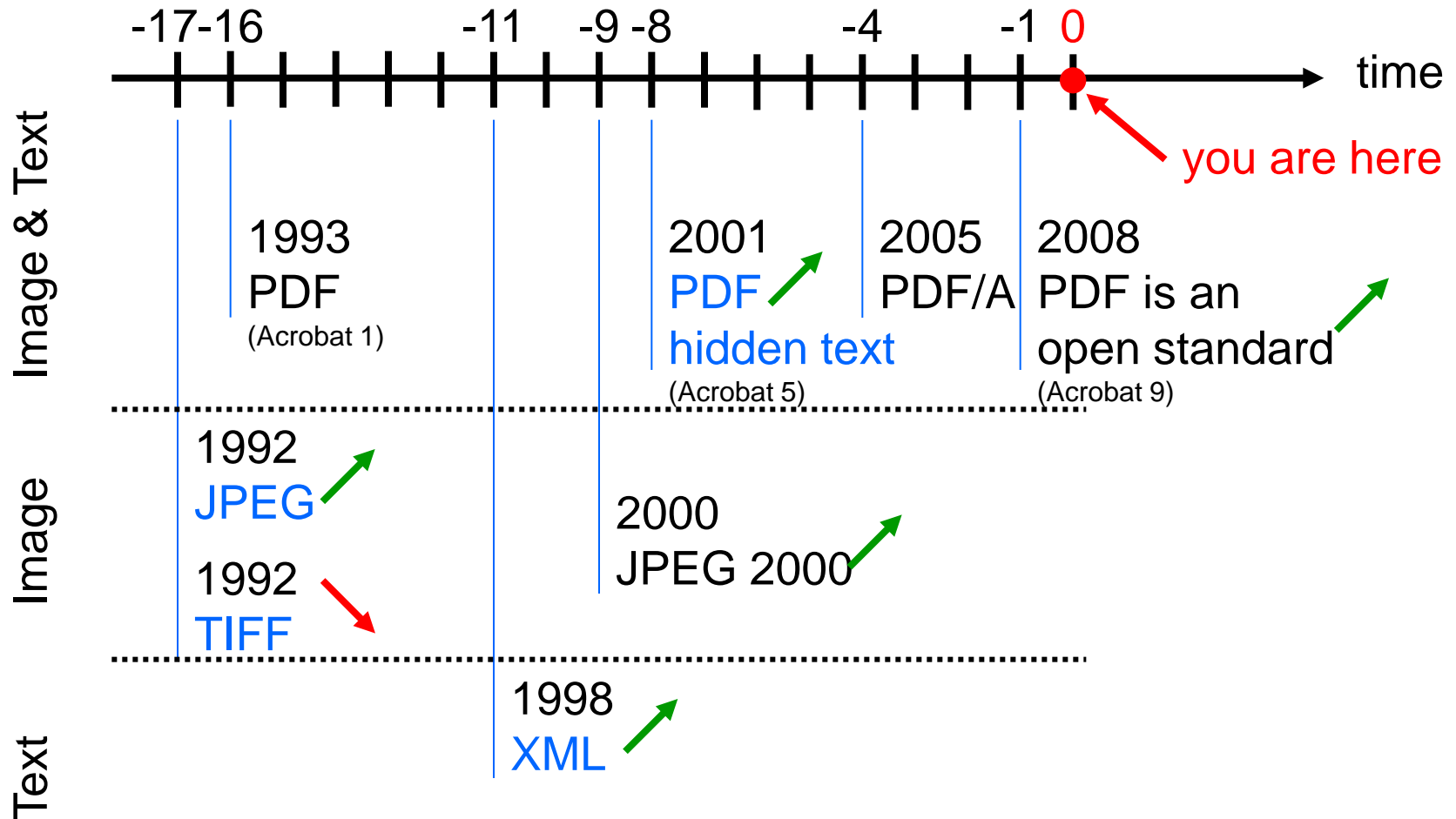
- “Our capacity to record information has increased exponentially over time while the longevity of the media used to store the information has decreased equivalently.’² Archivists and librarians always had to contend with various frailties of the material in their care. Papyrus and paper, parchment and film, are all vulnerable to the ravages of time, and precious information can be lost to decay and destruction.”

Challenges of Obsolescence



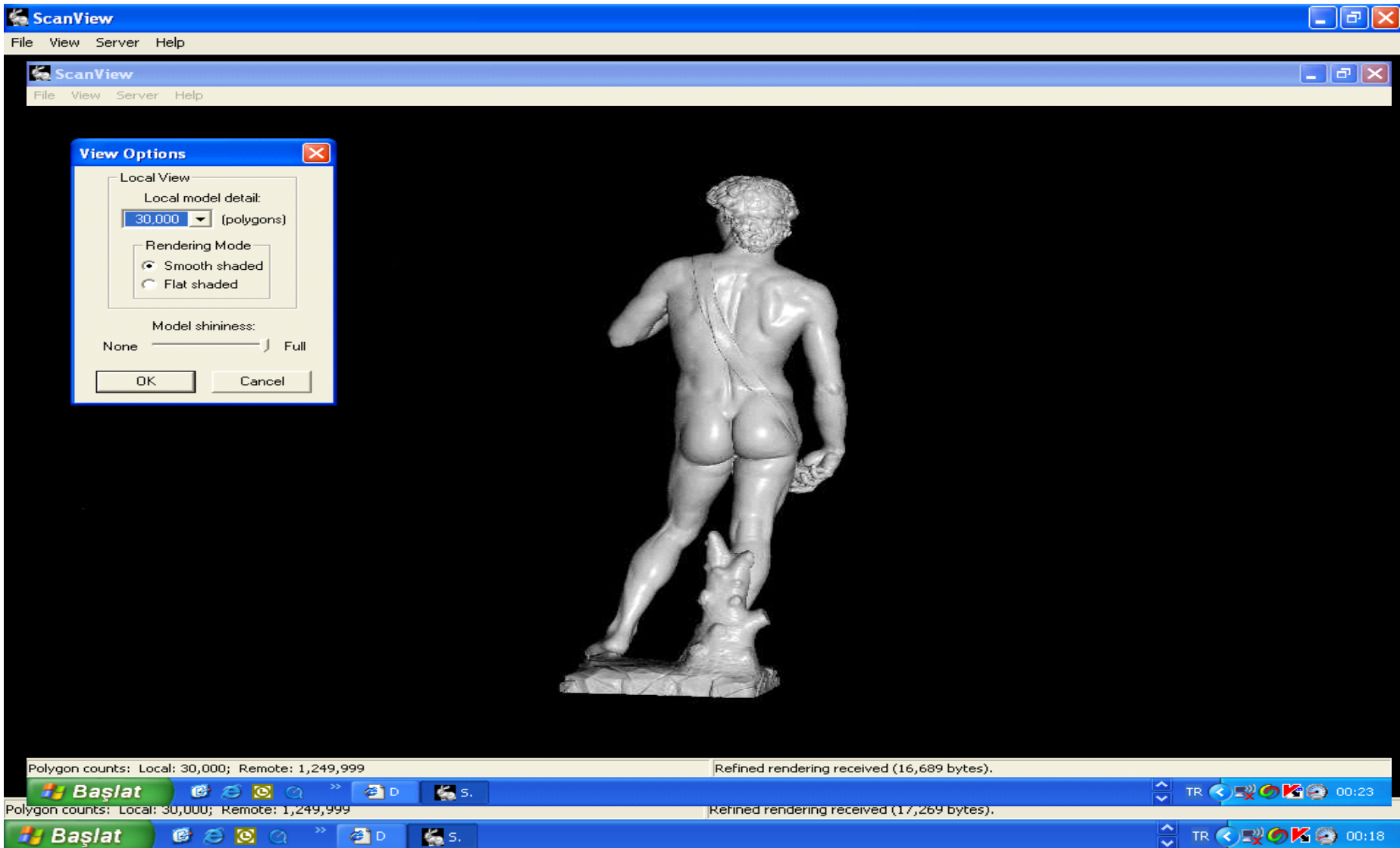
- Hardware
- Software

Challenges of File Formats



Source: Ivo lossiger , Which formats will survive ? - The most popular and widely spread

The 3D Digital Michelangelo Project



Preserving Personalized Digital Objects



Vincent Van Gogh's *Starry Night*

Starry Night on Google



van gogh starry night - Google'da Ara - Windows Internet Explorer

http://www.arthistoryguide.com/images/187.jpg%20için%20Google%20Görsel%20Sonuçları - Windows Internet Explorer

Dosya van gogh starry night - Google'da Ara - Windows Internet Explorer

http://www.google.com.tr/search?q=van+gogh+starry+night&um=1&hl=tr&rlz=1T4SVEC_tr_381&biw=1345&bih=514&tbas=0&tbs=vid:1&source=Inms&ei=5L5

Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım

Sık Kullanılanlar x Google van gogh starry night Ara Paylaş Favoriler Kontrol Et Otomatik Doldur van gogh starry night Oturum Aç

Sık Kullanılanlar bby 2010 Tureng milliyet Yapı Kredi radyo ilef Groovespark ScienceDirect ANKOS

Digital Collections, Digital ... van gogh starry night - ...

Web Geçmişi | Arama ayarları | Oturum açın

Web Görseller Haberler Çeviri Akademik Bloglar Gmail Diğer

Google van gogh starry night Ara Güvenli Arama (orta düzey)

Yaklaşık 1.340 sonuç bulundu (0,10 saniye) Gelişmiş arama

Her şey Görseller Videolar Haberler Daha fazla

Web Türkçe yazılmış sayfalar Sayfaların bulunduğu ülke: Türkiye

Tüm süreler Kısa (0-4 dak) Orta (4-20 dak) Uzun (20 dak. veya daha uzun)

Herhangi bir zaman Son 1 saat Son 24 saat Son 1 hafta Son 1 ay

ArLust #6: Van Gogh- "Starry Night"
2 dakika - 6 May 2009
This episode we learn about "Starry Night" by Vincent Van Gogh. Leave us a comment if you'd like to request that we cover a ...
howcast.com

Vincent van Gogh - The Starry Night
1 dakika - 10 Tem 2009
Vincent van Gogh - The Starry Night / by Alicia777777
dailymotion.com

The Starry Night (animated-SQIRLZ) - Van Gogh
5 dakika - 3 Oca 2008 - glorfidello tarafından yüklendi
www.globalholistics.co.uk Watch this FULL SCREEN - Animated painting using Sqirlz software set to music by Don McLean.To ...
youtube.com

ArLust #6: Van Gogh- "Starry Night"
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This episode we learn about "Starry Night" by Vincent Van Gogh. Leave us a comment if you'd like to request that we cover a ...

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Internet | Korumalı Mod: Kapalı %100 14:54

http://www.arthistoryguide.com/The_Starry_Night.aspx

Starry Night on Facebook



Facebook - Windows Internet Explorer

Starry Night by Vincent van Gogh - Windows Internet Explorer

https://www.facebook.com/pages/Starry-Night-by-Vincent-van-Gogh/284546233140

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Google Ara Paylaş Favoriler Kontrol Et Otomatik Doldur

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ELPUB2011 - ... Hacettepe Un... Gmail - Inbox... Twitter / Home uksg annual ... Starry Nig... kiyo shibata s... 'Max Headro...

facebook Arama Ana Sayfa Profil Hesap

Starry Night by Vincent van Gogh Beğen

Kâr Amacı Gütmeyen Kuruluş

Duvar Starry Night by Vincent v... · Top Posts

Diiana Evonne
Moves me everytime.
25 Şubat, 10:57

Tayna Hill
BEAUTY
08 Aralık 2010, 09:17

YAKINLARDAKİ AKTİVİTELER

Starry Night by Vincent van Gogh Facebook'a katıldı.
Starry Night by Vincent van Gogh, Hakkında bilgilerini değiştirdi.

Kris Sanders
My all time favorite painting.True beauty.:)
05 Kasım 2010, 07:08
Tayna Hill bunu beğendi.

Astrid Kuljanic
Starry starry night

Hangi şehirde yaşıyorsun?
Ankara, Turkey
Arif Yılmaz ve 181 diğer arkadaşın buraya yaşıyor.
Burada yaşıyorum Başka bir şehir seç

Arkadaşların Etkinlikleri Tümünü Gör

KALİTE YÖNETİM SİSTEMİ EĞİTİMİ
19 Mart Cumartesi
Katılım Durumun: Evet · Hayır · Belki

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AMSTERDAM

Yehuda Levin o Sohbet (23)

Bitti

Internet | Korumalı Mod: Kapalı

TR 15:18

TR 15:17

Starry Starry Night on YouTube



YouTube - Starry Starry Night - Windows Internet Explorer

http://www.youtube.com/watch?v=nkvLq0TYiwI

Google

Windows Internet Explorer

Google starry starry night

Like Add to Share Embed

2,136,046

Uploaded by MrAdamBurns on Jun 28, 2006

The paintings of Vincent Van Gogh set to Don McLean's "Starry Starry Night".

5,528 likes, 100 dislikes

Highest Rated Comments

I cannot hear this song without thinking about my buddy who was schizophrenic. He was a wonderfully gifted musician and an amazing person but then developed schizophrenia and it drove him to his death. Rest in peace my friend. I miss you. 1990-2010

bluesboy25000 1 month ago 70

Fantastic song with fantastic matching images; the quality of the images is making justice to Vincent's work. Well done!

I wonder how many Vincents, Shakespeares, Einsteins, Ghandies, etc. there are out there is this world no having a voice, an opportunity or any means to express their talent. How many of them die without we even knowing about them at all? Sad! Every human being should enjoy access to knowledge and a decent life standard...

esamiga 3 weeks ago 28

All Comments (2,738) see all

Respond to this video...

Here we listen to a wonderful attempt to grasp both the genius and also the

So by mitzy1234 1,598,216 views

American Pie by hollyfan28 1,345,786 views

Don Mclean - "Vincent" (Starry Starry Night) by goodproblems 499,776 views

Child Painting Van Gogh's Starry Night by MuggleSam 63,861 views

ABBA - Fernando by jalpe 10,258,945 views

Vincent - Don McLean by lexicfc 278,252 views

齊豫 - 文生梵谷 - 繁星夜 - Starry Starry Night by musicboxforever 217,870 views

Internet | Korumalı Mod: Kapal

15:35 15:30

Second Life "Info Island"



Second Life

File Edit View World Help Info Island 72, 138, 33 (Mature) - Info Island Library Col 3:16 PM PDT L\$0 australian libr

Info Island All Islands

- Bell Library Towers
- Genealogy
- ICT Display Deck
- ICT
- Library Gallery
- Main Library
- Mystery Manor
- Open Air Theatre
- yt Martian**
- Reader's Garden
- SoFi-Fantasy
- Webcastorium

Reference Help & Information

Left click on round stone to TP to collections

Local Chat Say Gestures

Communicate Fly Snapshot Search Build Map Mini-Map Inventory

Start sunuölar 6 Int... Windo... Conne... Micros... Secon... TR 01:16

Preserving Virtual Worlds



PVW.FinalReport-preservingvirtual-worlds.pdf - Adobe Reader
File Edit View Document Tools Window Help
1 / 195 139% Find

PRESERVING VIRTUAL WORLDS FINAL REPORT

Jerome McDonough & Robert Olendorf
Graduate School of Library & Information Science
University of Illinois at Urbana-Champaign
501 E. Daniel Street
Champaign, IL 61820

Matthew Kirschenbaum, Kari Kraus, Doug Reside & Rachel Donahue
College of Information Studies
Maryland Institute for Technology in the Humanities
University of Maryland
College Park, MD 20742-7011

Andrew Phelps & Christopher Egert

Windows taskbar: TR, 21:41



- “While these technical difficulties are immense, the social, economic, legal, and organizational problems are worse. Digital documents—precisely because they are in a new medium—have disrupted long-evolved systems of trust and authenticity, ownership, and preservation. Reestablishing those systems or inventing new ones is more difficult than coming up with a long-lived storage mechanism.”

Source: Rosenzweig, 2011

The Future of the Past in the Digital Age



“Bert is Evil!” is gone!



Bert and Osama bin Laden - Bert is Evil - Mirror001 Exclusive - Windows Internet Explorer

http://web.archive.org/web/20001209122600/plaza.v-wave.com/bert/exclu006.htm

Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım

Google "bert is evil" Ara Paylaş Favoriler Kontrol Et Otomatik Doldur bert is evil yasar...

Sık Kullanılanlar bby 2010 Tureng milliyet Yapı Kredi radyo ilef Groovespark ScienceDirect ANKOS

ELPUB2011 ... Hacettepe ... Gmail - Inb... Twitter / Se... Bert and... Facebook Hacettepe ... Amazon.co... Oops! This ...

Bert is Evil !
Bert & Osama bin Laden

Previous rumors of Osama bin Laden (the man believed to be behind the World Trade Center in New York City, Khobar Towers in Saudi Arabia, and U.S. embassies bombings in Kenya and Tanzania) and Bert being Partners in terrorism have now been Confirmed!

This TOP SECRET picture obtained by MSNBC and now in sole possession by the U.S Government was intercepted by My Man in the field, [J-roon](#). The U.S Government believes that Bert is an informant for Bin Laden, telling Him when and Where to attack. U.S officials have not been able to talk to Bert about this possible connection cause of His Muppet Immunity.

Thanks to,
[J-roon](#)
for risking his life to get us this picture

[back](#)

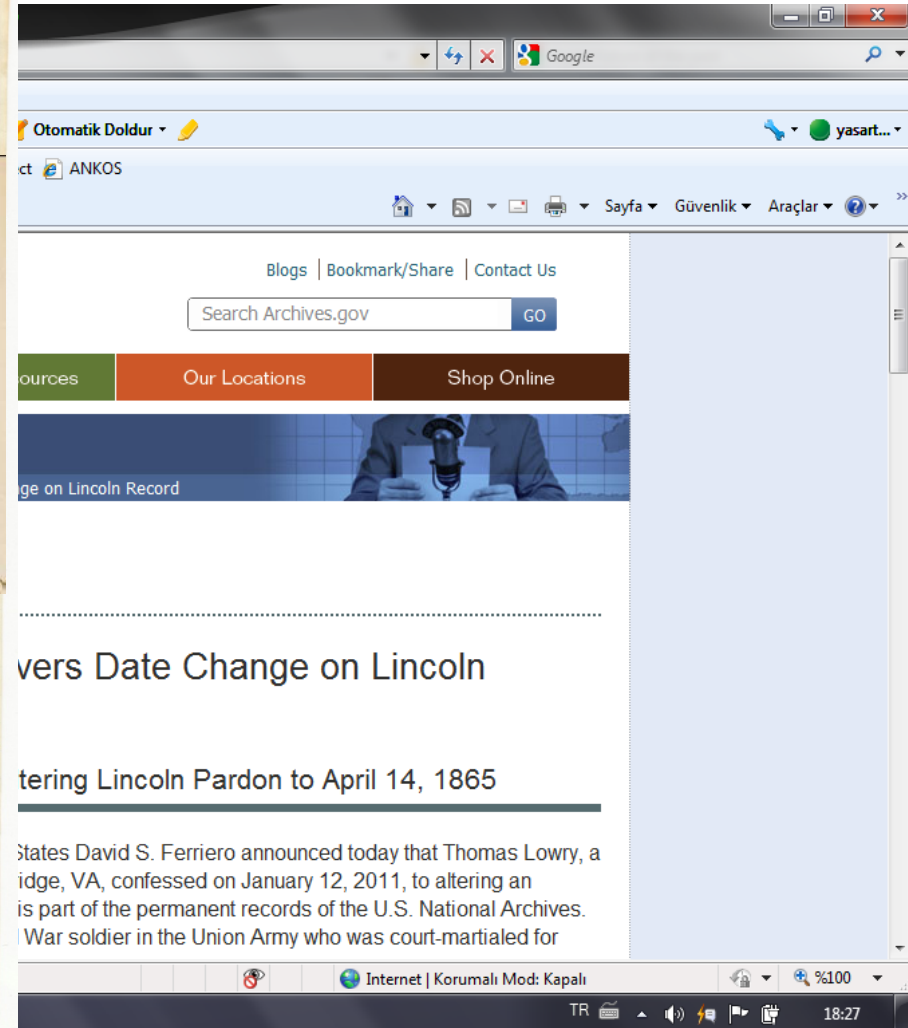
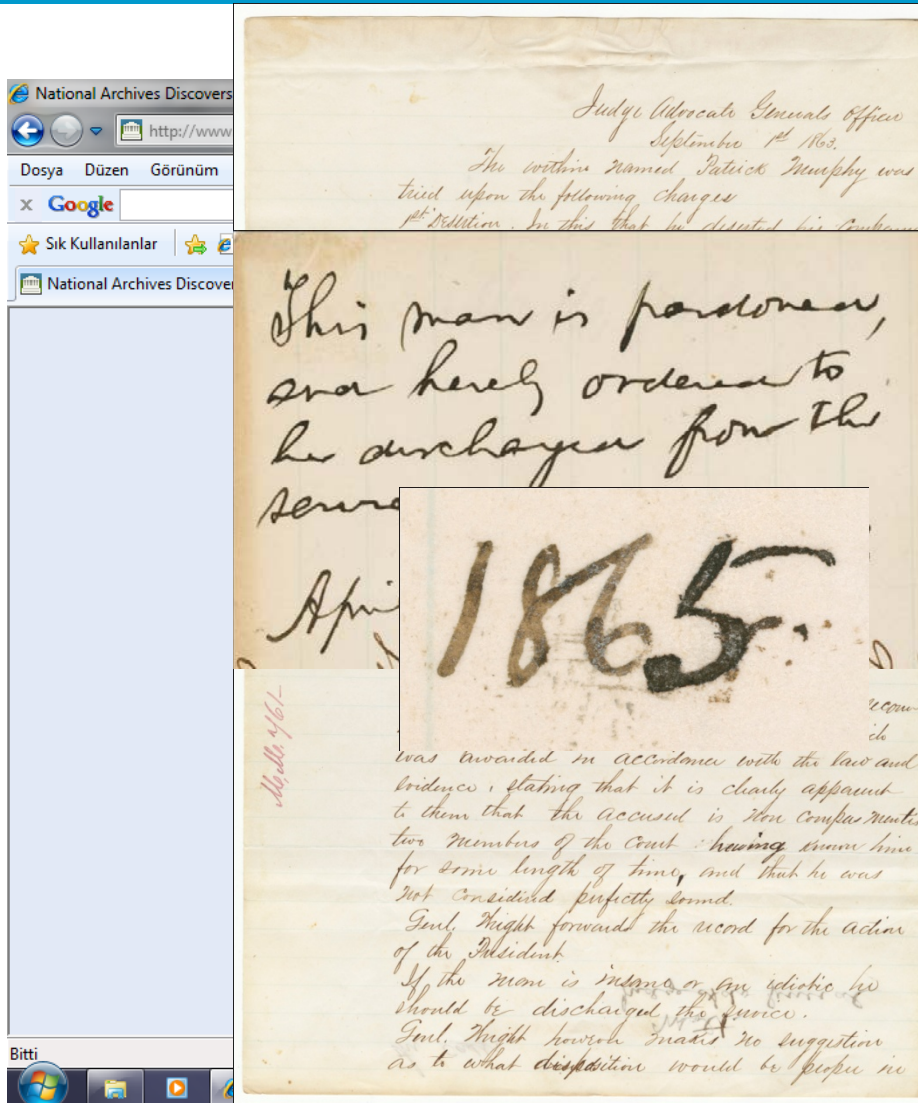
copyright 1998 Dino Ignacio, Fractal Cow Studio & [Dennis Pozniak](#)

Internet | Korumalı Mod: Kapalı %100 TR 17:35

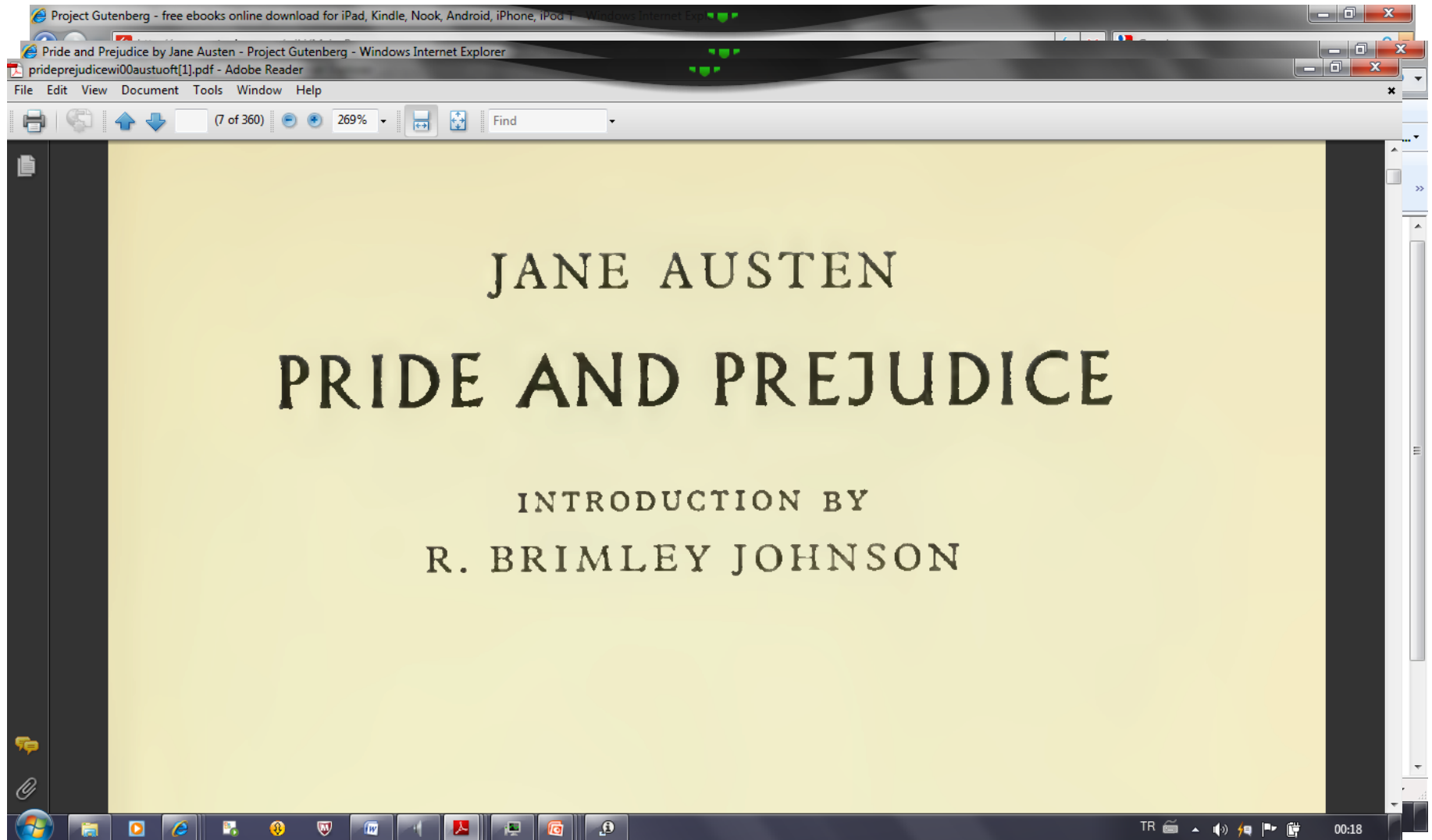


- “Not only are ephemera like Bert and government records made vulnerable by digitization but so are traditional works – books, journals and film– that are increasingly being born digitally. As yet, no one has figured out how to ensure that the digital present will be available to the future’s historians.” (Rosenzweig, 2011, p. 5).

Tampering with the Originals



Current Digitization Initiatives





Alexa Web Search - Microsoft Internet Explorer

Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım

Gerri Ara Sık Kullanılanlar

Adres http://www.alexa.com/ Git

Alexa
an amazon.com company

BROWSE SUBJECTS TOP 500 SITES MOVERS & SHAKERS FREE TOOLBAR

NEW Developers use the **Alexa Web Information Service** beta [learn more](#)

Web Search
Powered by Google

WEB-O-METER

Hot Searches

- [world water day 2005](#)
- [terri schiavo](#)
- [lana jacobs](#)
- [dino alves](#)
- [yuki](#)

Movers & Shakers
A list of sites with the highest jump in web traffic.

[CBS SportsLine](#)
www.sportsline.com
↑ 61%

[Accoona.com](#)
www.accoona.com
↑ 58%

[NCAASports.com](#)
www.ncaasports.com
↑ 105%

Arts
[Movies, Television, Music...](#)

Business
[Employment, Real Estate, Investing...](#)

Computers
[Internet, Software, Hardware...](#)

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[Video Games, Roleplaying, Gambling...](#)

Health
[Fitness, Medicine, Alternative...](#)

Recreation
[Travel, Food, Outdoors, Humor...](#)

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[Maps, Education, Libraries...](#)

Regional
[U.S., Canada, U.K., Europe...](#)

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Alexa is Hiring!

TOOLBARS AND PLUGINS

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- [Site Report](#)

DATA SERVICES

NEW Web Information Service

- [Top Sites List](#)
- [RSS Feeds](#)

Web Discovery Machine

MARCH 21, 2005 - Posted By Geoffrey Mack
Sold! Ask Jeeves and Flickr

27 Mart 2005 Pazar

Başlat TR 22:15

The Wayback Machine



Internet Archive Wayback Machine - Windows Internet Explorer

http://waybackmachine.org/http://www.hacettepe.edu.tr

Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım

Google Ara Paylaş Favoriler Kontrol Et Otomatik Doldur Oturum Aç

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YouTube - Ibrahim Tatlise... Internet Archive Wayba... X

INTERNET ARCHIVE
WayBackMachine BETA

http://www.hacettepe.edu.tr

<http://www.hacettepe.edu.tr> has been crawled 688 times going all the way back to Ocak 17, 1999.
A crawl can be a duplicate of the last one. It happens about 25% of the time across 420,000,000 websites. [FAQ](#)

1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011

OCA ŞUB MAR NIS

1	2	3	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31	22	23	24	25	26	27	28	29	30		

MAY HAZ TEM AĞU

1	2	1	2	3	4	5	6	1	2	3	4	1
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Bitki Internet | Korunmalı Mod: Kapalı %100 00:32

Hacettepe web site in 1999



Hacettepe Üniversitesi Ankara, TÜRKİYE - Hacettepe University Ankara, TURKIYE - Windows Internet Explorer

http://replay.waybackmachine.org/19990117013830/http://www.hacettepe.edu.tr/

Google

Google

Ara Paylaş Favoriler Kontrol Et Otomatik Doldur Oturum Aç

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YouTube - Ibrahim Tatlıse... Hacettepe Üniversitesi ...

INTERNET ARCHIVE WaybackMachine

http://www.hacettepe.edu.tr/ Go

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688 captures 17 Oca 99 - 23 Nis 1998 1999 2000

Ana Sayfa

Site Haritası Duyurular Destek

Arama

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- 99 takvimi
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Beytepe Kampüsü dışından eposta erişimi ayar değişiklikleri.

eposta hizmetlerimizde sorun yaşıyorsanız eposta ve DNS ayarlarınızı inceleyiniz.

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Internet | Korunmalı Mod: Kapalı

TR %100 00:33

Hacettepe web site in 1999



Hacettepe Üniversitesi Ana Sayfası - Windows Internet Explorer

http://replay.waybackmachine.org/20090423160825/http://www.hacettepe.edu.tr/

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öğrenci işleri daire başkanlığı | akademik takvim | üniversite tanıtım kataloğu | erasmus | akts klavuzu | dış ilişkiler koordinatörlüğü | öğrenci temsilciler konseyi | devamı için...

personel
kanun ve yönetmelikler | atama kriterleri | araştırma | rektörlük duyuruları | dış ilişkiler koordinatörlüğü | devamı için...

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- H.Ü. Senatosu Etik Komisyonu Yönergesi
- Bilgisayar İşletmeni Sınavı **YENİ**

*bütün babalarımızın
"babalar günü kutlu olsun"*

Internet | Korunmalı Mod: Kapalı

00:35

Open Library



Welcome to Open Library (Open Library) - Windows Internet Explorer

http://openlibrary.org/

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Illustrated by
J. H. P. H. P.

Burning Daylight

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WITH NOTES AND EXPLANATIONS
BY T. MITCHELL, M.A.
LONDON: GEORGE ALLEN AND UNWIN, LTD.

Internet | Korunmalı Mod: Kapalı

TR 20:16

Google eBooks



Google eBooks: Types of Books - Windows Internet Explorer

http://books.google.com/help/ebooks/content.html

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Hathi Trust Digital Library

A screenshot of the Hathi Trust Digital Library website as seen in a Windows Internet Explorer browser. The browser's address bar shows 'http://www.hathitrust.org/'. The page header includes the Hathi Trust logo and the text 'HATHI TRUST Digital Library'. A yellow text box is overlaid on the page, listing statistics about the library's collection.

HathiTrust Home | www.hathitrust.org - Windows Internet Explorer

http://www.hathitrust.org/

Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım

Google hathi trust Ara Paylaş Favoriler Kontrol Et Otomatik Doldur hathi trust yasart...

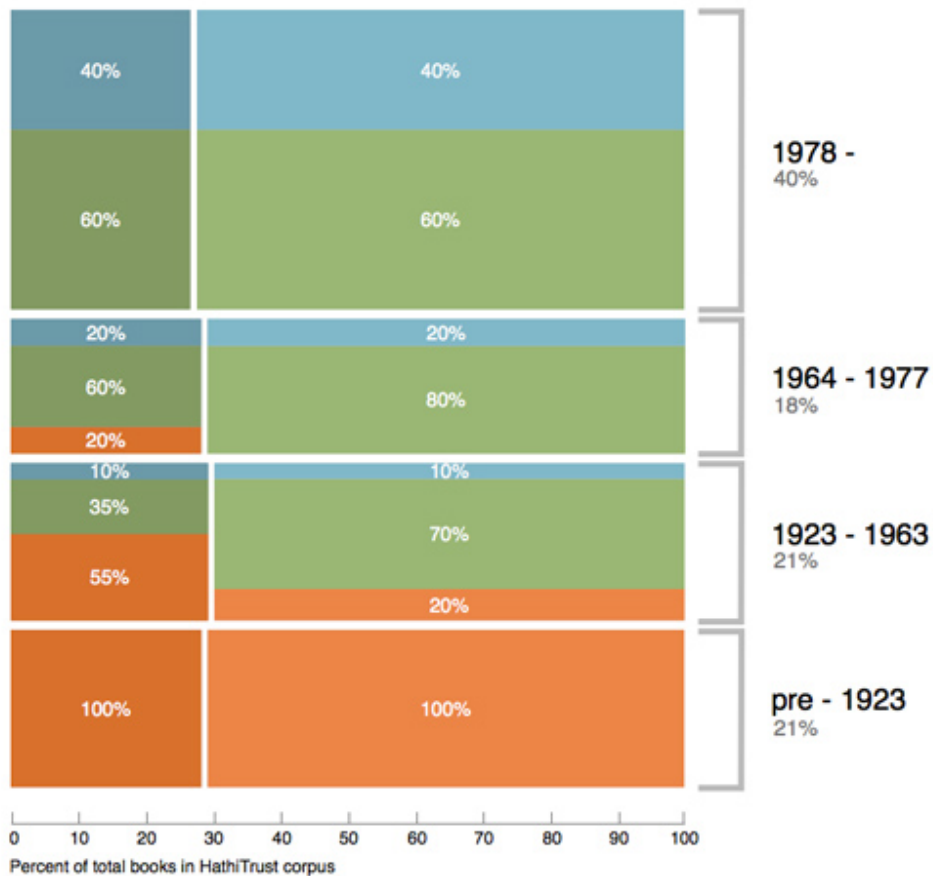
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CLIR Reports CLIR Publications CLIR Report CLIR Report CLIR Publications - ... HathiTrust Home...

HATHI TRUST Digital Library Help Feedback

- **Currently Digitized**
- 8,270,991 total volumes
- 4,544,106 book titles
- 203,766 serial titles
- 2,894,846,850 pages
- 371 terabytes
- 98 miles
- 6,720 tons
- 2,112,253 volumes (~26% of total) in the public domain

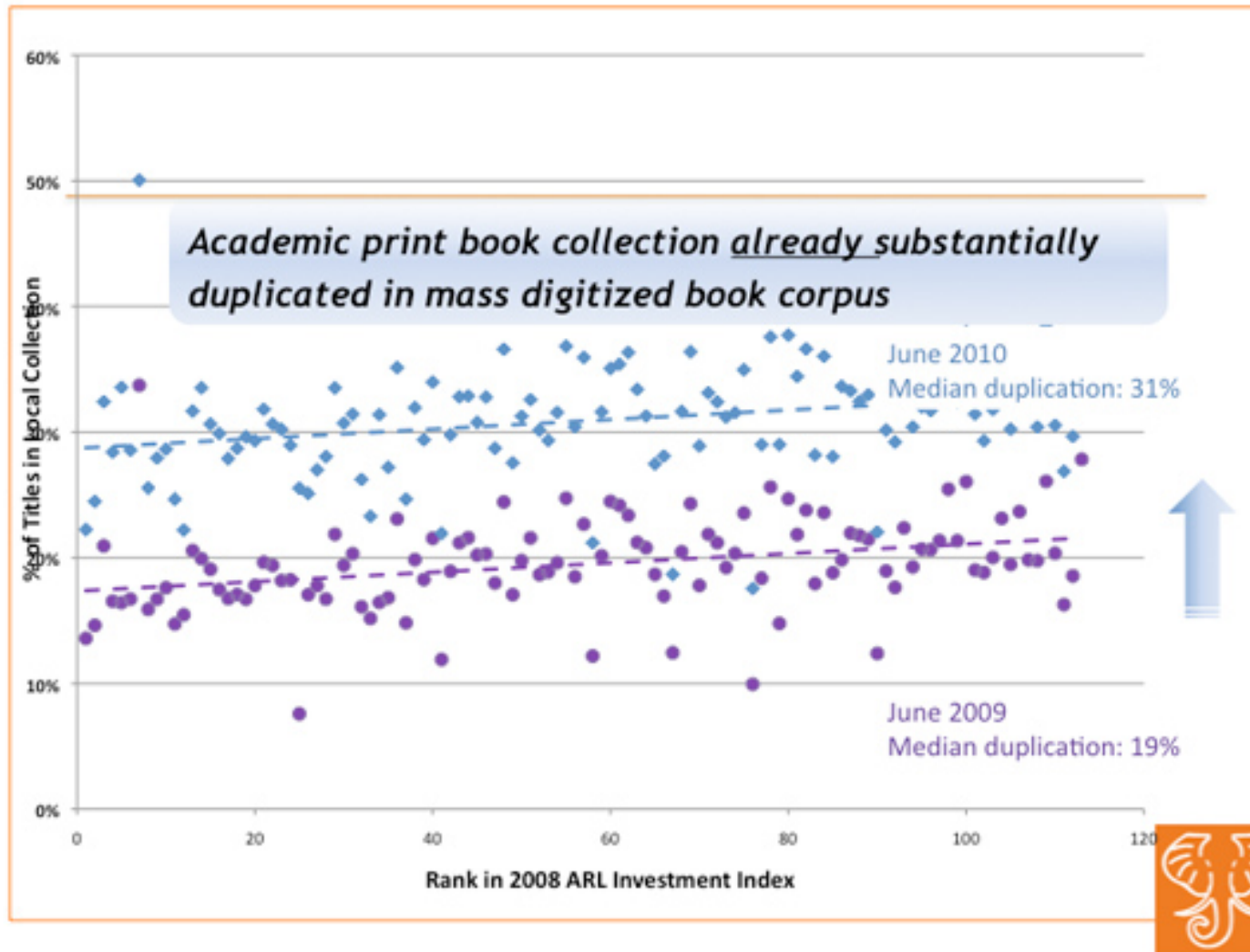
HathiTrust book corpus: Breakdown by US/non-US and rights status for all periods



US	Non-US
In Copyright	In Copyright
Orphans	Orphans
Public Domain	Public Domain

<http://www.clir.org/pubs/ruminations/01wilkin/wilkin.html>

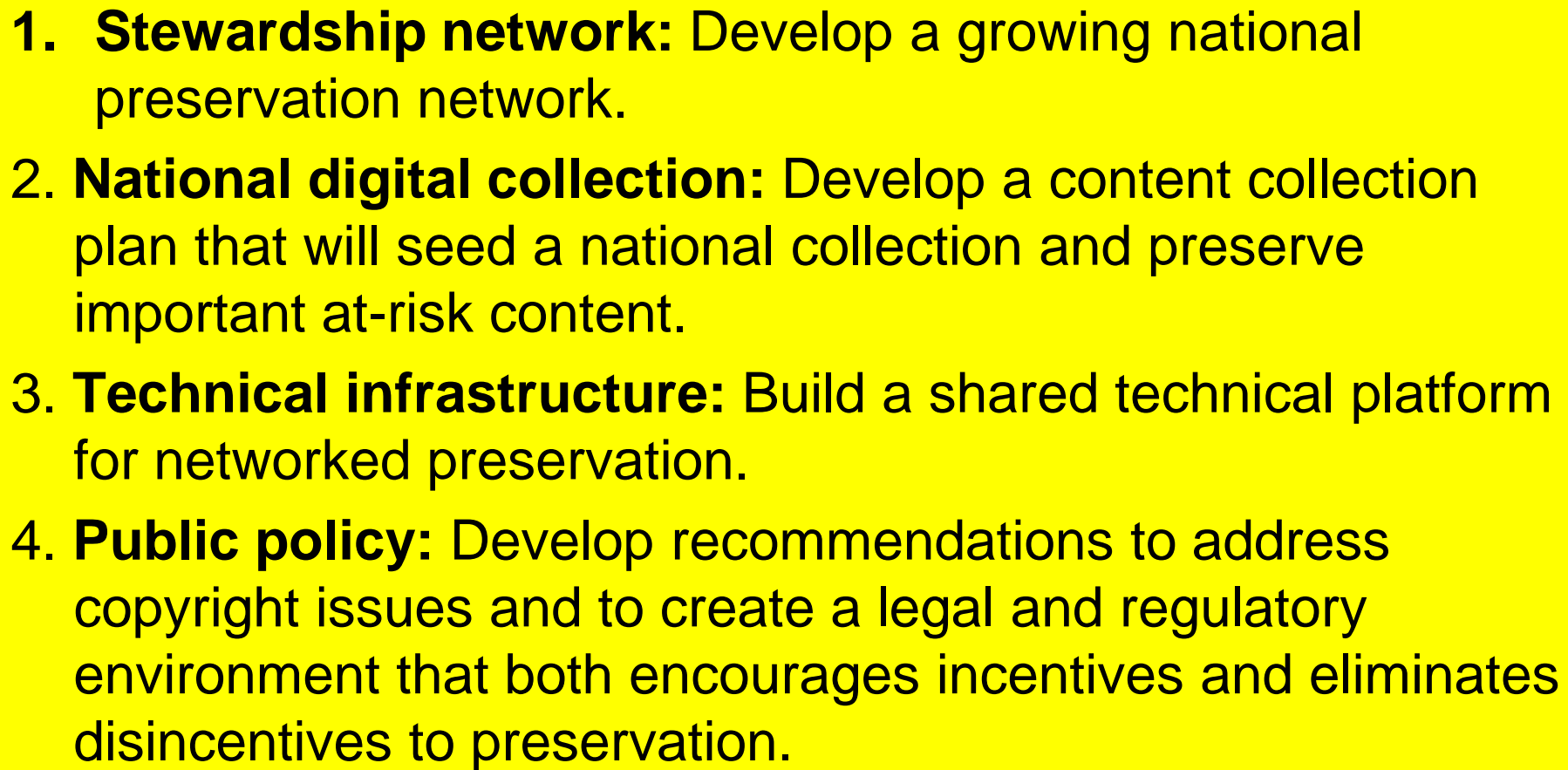
Overlap between HathiTrust and ARL libraries



<http://www.clir.org/pubs/ruminations/01wilkin/wilkin.html>

“Preserving Our Digital Heritage”



- 
1. **Stewardship network:** Develop a growing national preservation network.
 2. **National digital collection:** Develop a content collection plan that will seed a national collection and preserve important at-risk content.
 3. **Technical infrastructure:** Build a shared technical platform for networked preservation.
 4. **Public policy:** Develop recommendations to address copyright issues and to create a legal and regulatory environment that both encourages incentives and eliminates disincentives to preservation.



1) Digitization of content

- by setting up large scale digitization facilities;

2) Online accessibility

- by promoting the development of the European Digital Library as the multilingual access point to Europe’s cultural heritage; and

3) Digital preservation

- by establishing national strategies and plans for the long-term preservation of and access to digital material.

Europeana: think culture



Europeana - Homepage - Windows Internet Explorer

http://www.europeana.eu/portal/

Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım


Google digital dark age Ara Paylaş Favoriler Kontrol Et Otomatik Doldur digital dark age Oturum Aç

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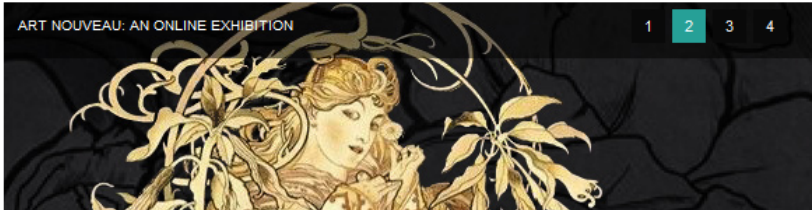
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Home - Access IT - Windows Internet Explorer

http://www.access-it.org/

Dosya Düzen Görünüm Sık Kullanılanlar Araçlar Yardım

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ACCESS IT Search

Dili Seçin Google Çevir tarafından desteklenmektedir

Workplan Resources Events Training Contact us

AccessIT Final Conference
21 March 2011
Istanbul, Turkey

Register for Conference

The AccessIT project seeks to deliver a unique package of practical training and skills development, supported by clear guidance, to enable smaller, local cultural organizations in countries where progress in this area is currently limited, to maximise the opportunities provided by the new technologies (combined with major policy implementations such as the Digital Libraries Initiative) to most effectively deliver and disseminate arts and cultural offerings to the citizens of Europe. It will take into account especially the needs of candidate states for which eligibility for Culture 2007-

AccessIT Mailing List

Join the AccessIT Google Groups mailing list to discuss content of Access IT training and things associated with implementation of

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- National digitization/preservation networks are not in place in many countries
- Not all cultures are represented in the European Digital Library
- The digital future of nations' past and present should be secured by investing in digitization efforts, by public as well as private and non-profit institutions
- All stakeholders should be involved

“The Future is the Past”



- The future constantly becomes the present and the present constantly becomes the past. Hence, “the future is the past”.
(Jackson Jackson)
- “Who controls the past controls the future. Who controls the present controls the past.” (George Orwell, *Nineteen Eighty-Four*, 1949)
- Securing the digital future of the past means securing the future.



The Digital Future of the Past and Present

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