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Wireless and Libraries: 2003 - 2004

South Central Regional Library Council
State of New York
December 20, 2002

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Harrod's Creek, Kentucky 40027



What We'll Cover

- Devices and demographics
- **Impact of wireless on space planning**
- Planning for next-generation content
- Portals: 2003 - 2004

Temporary Space in Kentucky

Library
directors
inspect
temporary
Internet
carrel

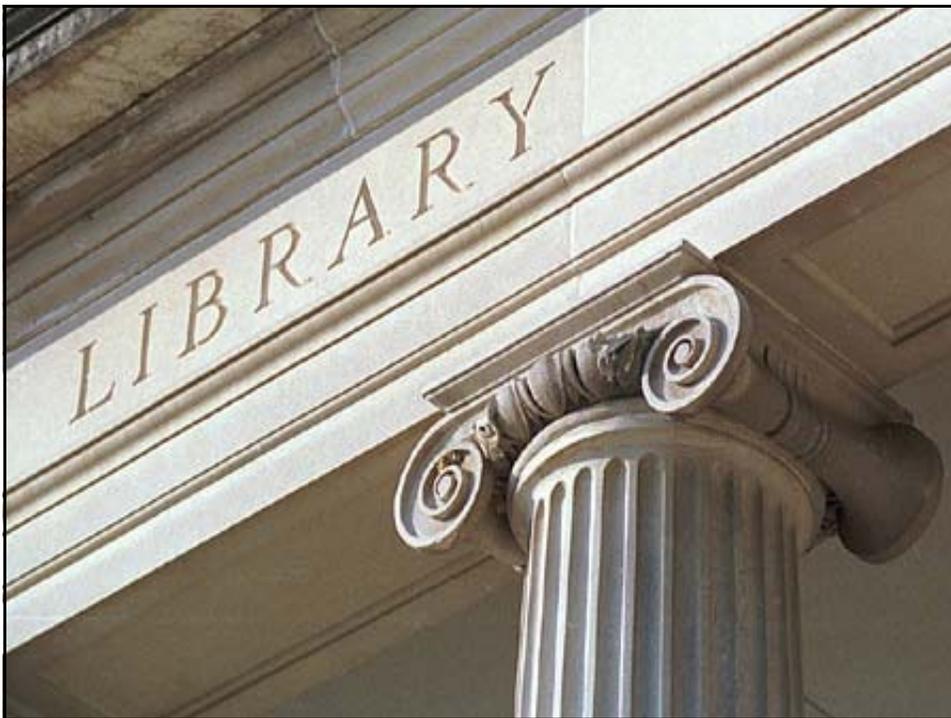


Youth... Again

Tradition

Bunny on Long-Life Batteries

- Youth-driven
- Global trend
- Wireless for access
- Bandwidth-hungry





Starbucksification



Library-like



© Robert Trfen
404 488 9813



Barnes & Nobles Too



How to Combine This...



And This?



For Starters ...

- **We must be “there” always**
- **“Always on, never gone, works while I’m asleep”**
- **Central anchor in everyone’s preferred virtual or tangible environment**

Two Space Themes

- **Spatial metaphor for content management (where we put stuff)**
- **Surroundings (where we put us)**

And Yet, Space Organizes Thought

- **We carry the space model with us when we look for stuff in virtual “space”**
 - Above, below, next to, close to ...
 - Contains, is a part of ...
 - Stands alone, is a fragment ...
 - Belongs, is out of place ...

Working with Space

- **Have:**
Limited building budget and “box” of walls, stairs, elevators ...
- **Need:**
Place where people want to be

How Can a Library Be ...

- **Necessary? Internet access and traditional materials**
- **Desirable? Other places may fit learning styles of the young**
- **Quiet, peaceful? Valued by young?**
- **Feel good? Maybe**

Library Offers

- **“Get stuff done – with right tools, no cost, conducive environment”**
- **“Somewhere to meet my friends”**
- **“A place with cool things to explore”**
- **What will draw tomorrow’s people?**

Translation:

- **Work-conducive (ergonomic, private)**
- **Group-friendly**
- **Richly resourced**
- **Good design**
- **Coffee?**

Elements to consider

- **Everything-on-wheels**
 - Wireless for flexibility
 - Instant meeting points
- **Visual interest via art, plants, textiles**
- **Environmental management**
 - Good lighting
 - Sound management via white noise
- **Basics such as operating hours**

Elements, cont'd

- **“Feel” or “mood”:** restful contemplation versus energizing stimulation
- **Visual unity versus jumble of styles, colors, shapes**
- **Multiple spaces with different “moods”**

Work Implications ...

- **Immediate challenge: Our here-and-now space**
 - Replace with an eye on flexibility
 - Begin planning for space changes
 - Can some books be moved to a warehouse?
 - Library layout; for example, a service center, not a reference desk?

Summary

- **Demographics driving space**
- **Devices create new options**
- **Begin now... everything on wheels**

Nomadic Computing

The combination of portable computing with portable communications is changing the way we think about information processing.

Goal of Nomadic Computing ...

The goal of "transparent virtual networking" or "nomadic" computing is precisely to permit users and programs to be as effective as possible in this environment of uncertain connectivity, without changes to the manner in which they operate.

Section 3

Enablers

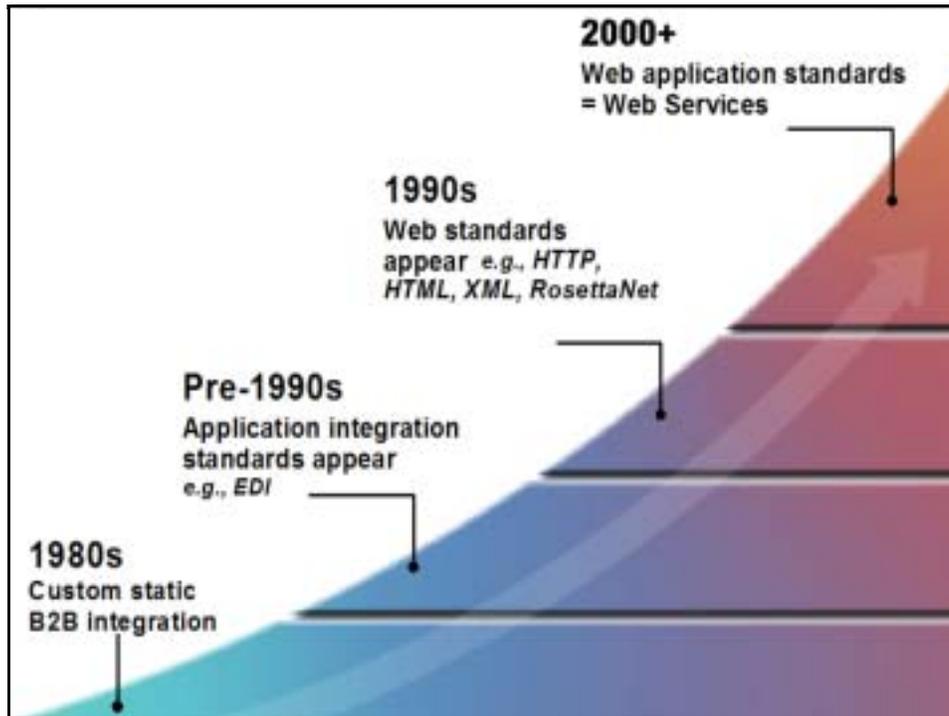
Next Level...Bunny Flies



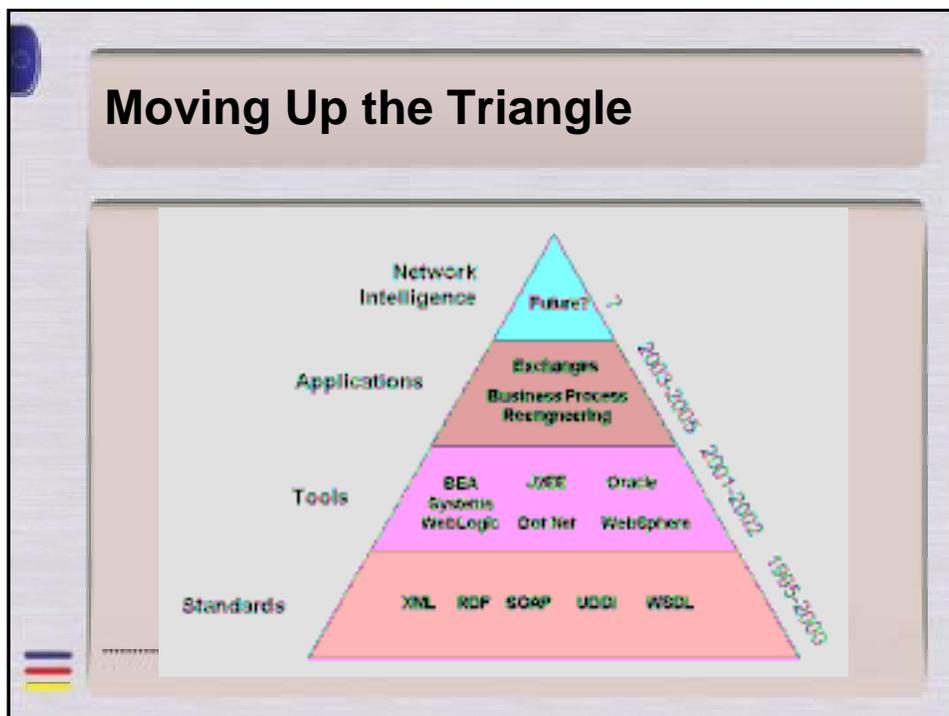
Microsoft .NET

Microsoft Corporation

Microsoft
.net



Moving Up the Triangle



Snap Together... Reusable



Standardized pieces that snap together...

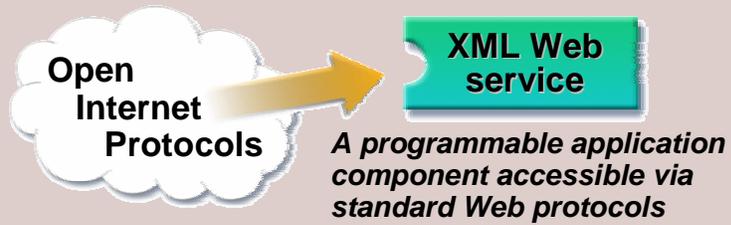
LEGO blocks can be used to build different things by snapping the standardized pieces together...



The Plug In "Model"



Search as a Web Service



Kartoo Pertimm



Focus It with Pertimm - Microsoft Internet Explorer

Fichier Edition Affichage Favoris Outils ?

Précédente + - Recherche Favoris Historique

Adresse http://wg2.ipdipper.com/energy/

explosive

170 references have been found

1. [Aborigines & Uranium: No Radioactive Wastes On Our Land](#)
 Aboriginal people of Arnhem Land, Aboriginal land, effects of uranium mining, Aboriginal people living, strip mining operations, uranium industry, north wall of the Ranger tailings dam, mining stops, mining operations poses long-term effects, Aboriginal owners of Australia.
 Pertimm 4, English, TEXT, Jan 06 2001 19:36, 3 occurrences, 15 Kb.
http://wg2.ipdipper.com/r004/d3/d/wpdenergy_04_d3_d5/0/www.sau-nz.org.au/blackuranium.html
2. [Green Party News](#)
 Dr Busby, uranium tipped shells, Dr Chris Busby, Green Euro MEPs, uranium risk, low level radiation specialist Chris Busby, Green Party News, actual numbers of leukemia cases, GREEN PARTY HOMEPAGE, Green MEP Jean Lambert.
 Pertimm 4, English, TEXT, Mar 01 2002 17:27, 4 occurrences, 6 Kb.
http://wg2.ipdipper.com/r004/d3/d/wpdenergy_04_d3_d5/0/www.greenparty.org.uk/news/2001/01/chrisbusby.html
3. [Searchlets from the U.S. Nuclear War Plan - page 11](#)

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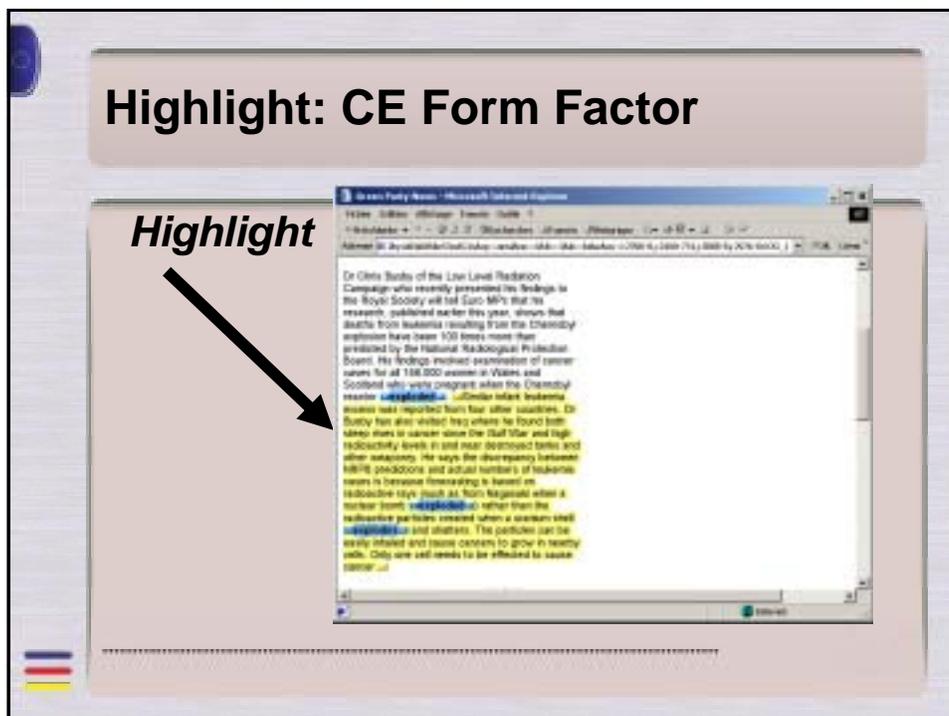
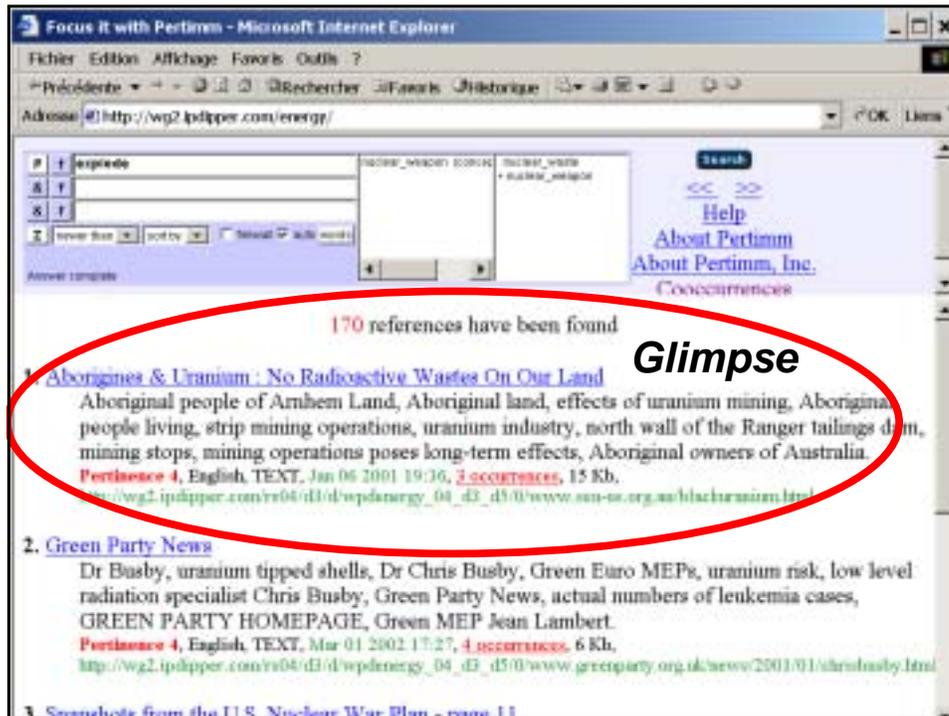
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2. [Green Party News](#)
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4. Summary

Wrap Up

Space Organizes Thought

- **We carry the “space model”...**
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Other 2002 Lessons...

- ① **Technology: 15 percent of the first year cost**
- ② **Search touches upon business process issues, not a vacuum**
- ③ **Standards support essential**
- ④ **Low cost = limited functionality**
- ⑤ **Implementing search and retrieval requires more time and people to do right than expected**
- ⑥ **Integration with existing library applications not flawless, easy, or fast...**

Arnold Information Technology

- **Independent for 12 years**
- **Booz, Allen; Bell+Howell; Ziff Communications-- Participated in the development ABI/INFORM, Business Dateline, General Business File, and Health Reference Center**
- **Provides technology assessment and information engineering services**
- **Recent projects:**
 - Wireless strategy for one of the "world's largest software company"
 - One of the founders of the Point Internet service ("Top 5% of the 'Net), sold to Lycos in 1995
 - U.S. government projects (First Gov, OCSC, House of Representatives)

Arnold Information Technology

- US West's online yellow pages strategy
- Six books, more than 40 articles. New book in 2003, *Knowledge Management Sense and Non-Sense* (Infonortics, Ltd. Tetbury, U.K.)
- ASIS Distinguished Lectureship / Thomson Online Best Paper Award
- Professional services on offer...
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