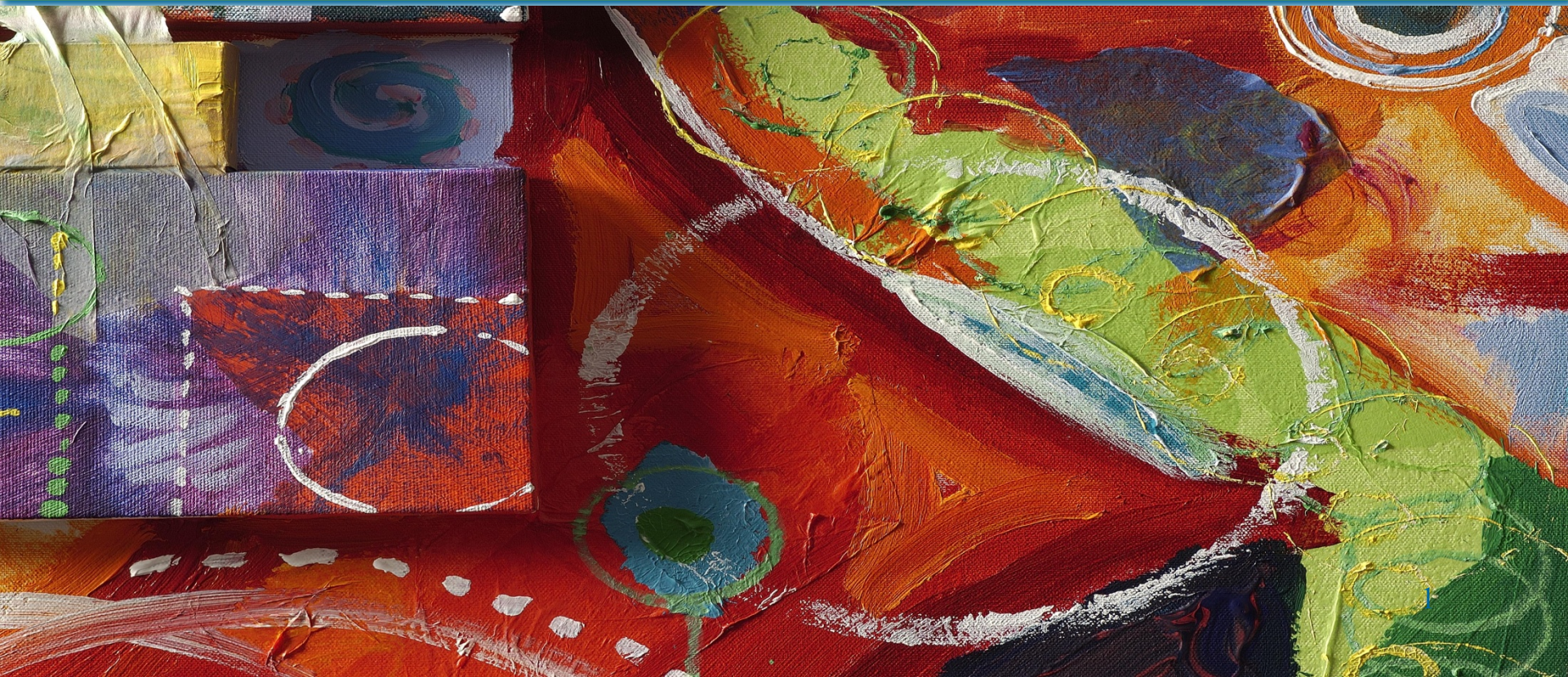
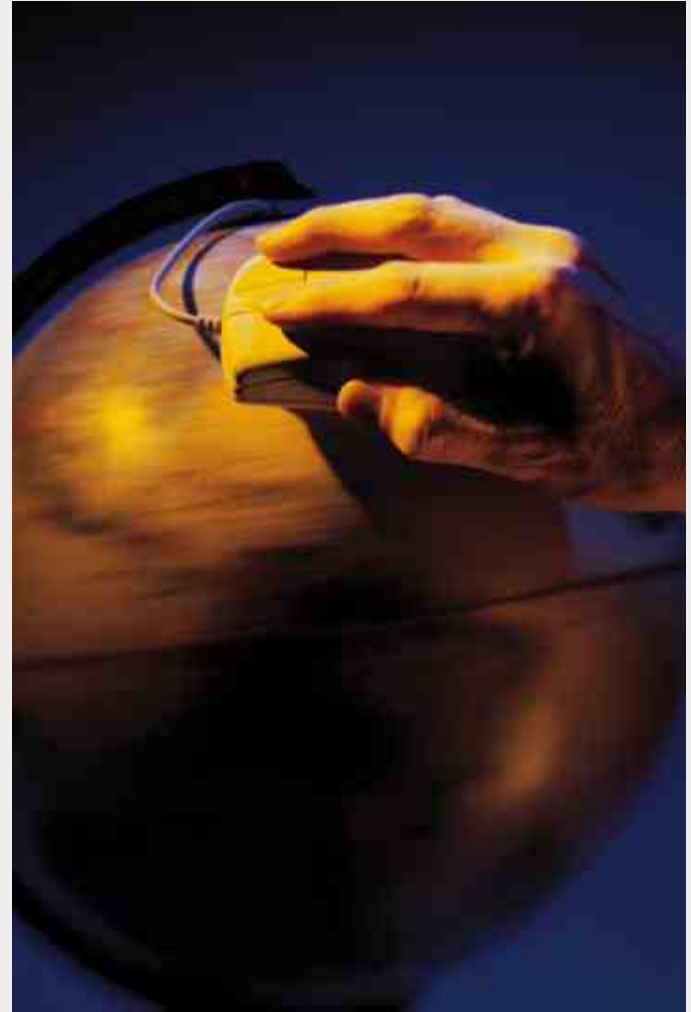


Computer and Internet Basics



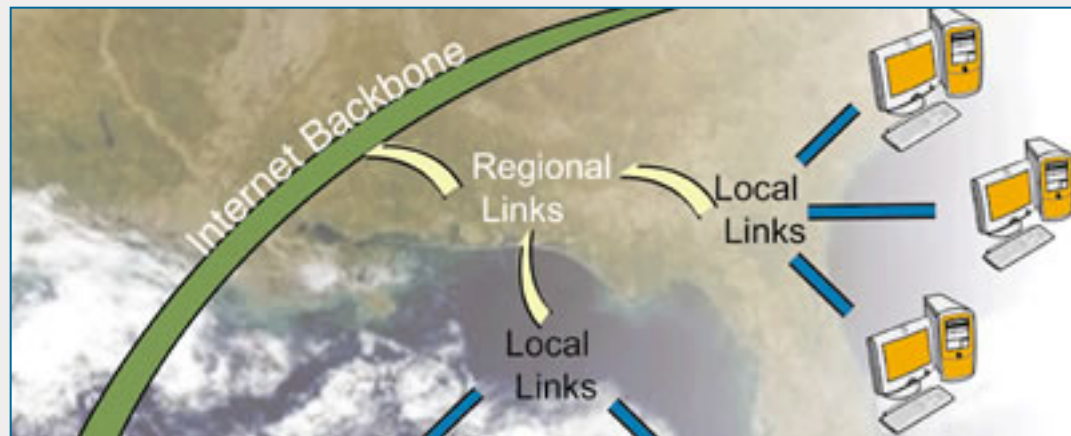
Internet Basics

Internet is a collection of local, regional, national and international computer networks that are linked together to exchange data and distribute processing tasks.



Internet Terminology

- Backbone: defines main Internet routes
 - Constructed and maintained by major telecommunications companies
- TCP/IP:
 - Transmission Control Protocol/ Internet Protocol



Internet Terminology



- **Server software**
- **IP Address:** unique number for each Internet computer
- **Packets:** small chunks of data ready to travel the Internet
- **Router:** helps send along the packets to correct destination



Internet Resources

Internet Telephony

Usenet

E-commerce

Instant Messaging

Web Sites

E-mail

Internet Radio

Download Or Upload

Chat Groups

P2P file sharing



Modem Internet Connections

- Dial-up connection via modem (56K)
- Cable modems
 - Network card and cable modem required
 - Always-on and 25 times faster than dial-up



Faster Internet Connections

- ISDN (Integrated Services Digital Network)
 - 64K or 128K
 - Always-on and expensive
- DSL (Digital Subscriber Line)
 - Up to 125 times faster than dialup
- DSS (Digital Satellite Service)
 - 500K



Need proximity to a telephone switching station

Internet Service Provider (ISP)

- Provides internet access to businesses, organizations and individuals
- Provides telecommunications equipment
- User ID and password required
- Connects you to backbone
- E-mail account monthly fee
- Should have local access telephone numbers

World Wide Web Basics

- Files interconnected via hypertext
- Web pages make up a web site
- Home Page
- Links or hyperlinks
- Web servers



World Wide Web Basics

- URL
 - No spaces and Case sensitive
 - HTTP (Hypertext Transfer Protocol)
- HTML (Hypertext Markup Language)
 - .htm or .html file extension

<http://www.cnn.com/showbiz/movies.htm>

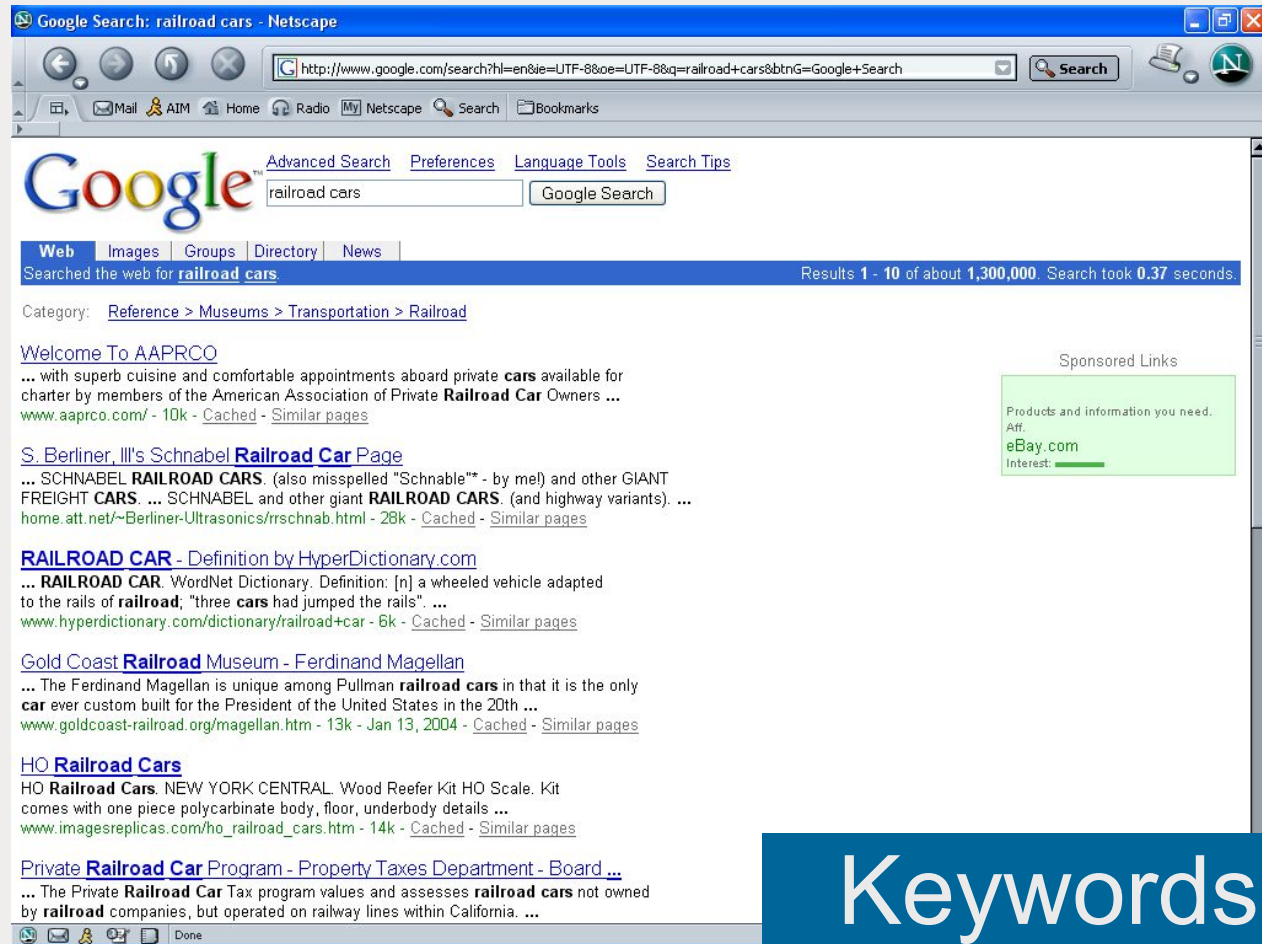
Web
protocol
standard

Web
server
name

Folder
name

Document name
and filename
extension

Search Engines



The screenshot shows a Netscape browser window titled "Google Search: railroad cars - Netscape". The address bar contains the URL "http://www.google.com/search?hl=en&ie=UTF-8&oe=UTF-8&q=railroad+cars&btnG=Google+Search". The search bar contains the text "railroad cars" and a "Google Search" button. Below the search bar, there are links for "Advanced Search", "Preferences", "Language Tools", and "Search Tips". The search results are displayed in a list format, with each result including a title, a brief description, and a URL. The results are categorized under "Reference > Museums > Transportation > Railroad".

Category: [Reference](#) > [Museums](#) > [Transportation](#) > [Railroad](#)

[Welcome To AAPRCO](#)
... with superb cuisine and comfortable appointments aboard private **cars** available for charter by members of the American Association of Private **Railroad Car** Owners ...
[www.aaprc.com/](#) - 10k - [Cached](#) - [Similar pages](#)


[S. Berliner, III's Schnabel Railroad Car Page](#)
... SCHNABEL **RAILROAD CARS**. (also misspelled "Schnable" - by me!) and other GIANT FREIGHT **CARS**. ... SCHNABEL and other giant **RAILROAD CARS**. (and highway variants). ...
[home.att.net/~Berliner-Ultrasonics/rrschnab.html](#) - 28k - [Cached](#) - [Similar pages](#)

[RAILROAD CAR - Definition by HyperDictionary.com](#)
... **RAILROAD CAR**. WordNet Dictionary. Definition: [n] a wheeled vehicle adapted to the rails of **railroad**; "three **cars** had jumped the rails". ...
[www.hyperdictionary.com/dictionary/railroad+car](#) - 6k - [Cached](#) - [Similar pages](#)

[Gold Coast Railroad Museum - Ferdinand Magellan](#)
... The Ferdinand Magellan is unique among Pullman **railroad cars** in that it is the only **car** ever custom built for the President of the United States in the 20th ...
[www.goldcoast-railroad.org/magellan.htm](#) - 13k - Jan 13, 2004 - [Cached](#) - [Similar pages](#)

[HO Railroad Cars](#)
HO **Railroad Cars**. NEW YORK CENTRAL. Wood Reefer Kit HO Scale. Kit comes with one piece polycarbonate body, floor, underbody details ...
[www.imagesreplicas.com/ho_railroad_cars.htm](#) - 14k - [Cached](#) - [Similar pages](#)

[Private Railroad Car Program - Property Taxes Department - Board ...](#)
... The Private **Railroad Car** Tax program values and assesses **railroad cars** not owned by **railroad** companies, but operated on railway lines within California. ...

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Keywords

Using Browsers

- Can type URLs
- HTML tags tell browser how to display web page data
- Back, forward and stop buttons
- Setting a home page
- Print and copy options
- History list
- Favorites and bookmarks
- Edit and Find



Microsoft Internet Explorer® and Netscape Navigator®



E-mail Basics

- Account = Mailbox
- Message
- Attachment
- Most use HTML format
- Netiquette

userid@computer

Info Web



LAB



E-mail System

- E-mail servers
- Store-and-forward technology
- Types
 - POP (Post Office Protocol) used via ISP
 - IMAP (Internet Messaging Access Protocol)
 - Web-based like Hotmail



E-mail System

