

## gkraft's approach to Information Retrieval

**The Opera Widgets could be used as access for the AiLibrary and DomusRoom, AiHome...**



imagine two computers running asynchronous (similar) search bots. These computers or processes communicate on the content and neural network pattern recognition is done since it is extremely fast process of the content, regardless of content structure it has a digital image, code, text, is HEX. (somehow)

Each one is finding HITS.

Another AiEngine Server does INDEX on the fly of the data stream the content, disk space is incremental and effectively infinite... even if it is a circular queue, with good INDEX output, a reduction of HITS results. This process continues until it is matched with the USERs DNAid or personality profile generating today at Google.

Then the new Google Instant is self reducing its HITS to match the "interest", which are VISUALLY displayed (USER selected screen) for USER selection via their AiLibrary Bluetooth Cell Phone Headset, they can VOICE INDEX the IMAGE or DOC or Video. and progress the VISUAL coverflow of HITS... in either direction or speed from the Headset.

**The INDEX is based in the USERs AiLibrary.**



**Google UNIX interface replacement will become a GUI via Android, and anyone can modify the resulting screens in their format. Chrome with HTML5 has the ability to change the current interface. As does any other HTML5 browser...**

**The battle will be to Standardize the HUMAN INTERFACE and ALL want to define this format, and thus control it. The Browser is the next computer for everyone, the thing you hold in your hand is a variable size communicator.**

The explosion of information continues to *boggle the Google*. And the efforts to reduce the clutter (too many hits) is well in hand, there are sophisticated Artificial Intelligence efforts similar to Neural Networks for collaborated INDEXS from previous searches, in use to reduce some of the clutter via a secondary search path comprised of Data Mining and Pattern Analysis algorithms. In other words, they concatenate keys or partial keys (indexes).

A Hypermedia utopian world (Xanadu) of Internet Information stored in snippets was created by Ted Nelson about 50 years ago. Hypertext is the KEY, the INDEX, and Full Text Searches produce accurate retrieval. The problem with Full Text, is the information is sequential in nature, the Browsing of the information is possible and will eventually get you to the right answer, the INDEX points of the sequential Data Set creates a ISAM (Index Sequential Access Method) Data Set, or a rough INDEXed sequential file that is basically the structure of most of **Microforms Document Storage and Retrieval systems**, including **CARMS(tm)**.

Then all that was needed was to visually scan or visually/mentally match the search item within the page content, since the information never exceeded a single page. The Microform MCP Index **Trigram or Tetragram** brought you to the right page in the Telephone book first time, every time, in about one second... And there was no extraneous information on the page (extra names to ignore) to confuse or delay your

search and response to the customer. So Indexes are used to reduce the content on any given page of a web site or book, etc.

**Hypercard(tm)** from Apple **Macintosh** was a simple solution in a familiar 3x5 card screen image of linked information, or **Hypertext**.

A Internet web page is similar to Hypercard and has text and some is hyperlinked to another location perhaps another web page or a entry in a table of information such as a price list. Our mind makes LINKS when we see a word that triggers a watchpoint in our vast brain, and then we often click or use the right button on the mouse to use **Google** or **Bing** to search for the word that has caught our attention for a moment, interrupting our original goal that got us to the page to start with.

Your mind does the **connections (collaboration of stuff)** of similar images, and learning experiences and decides wether to proceed or return, such is the basis of todays video games, and our learning experiences, as well as business actions.

The need to shortcut my **interest actions** is needed, ie. one click for PDF and auto-index and store.

**Verbal INDEXing via Bluetooth headset.** Touch to "**speak and store.**"

Track your internet web page access path, tree structure, or brain structure of your actions.

How can you use **CoverFlow** (a familiar visual review technique from Apple) to display the path with distinct levels, etc. or **Scroll Back** or **Scroll Forward**.

**Auto-Index the pathways and correlate the information.**

**The usage of multiple screens for display of content is planned.**

Next store and clean up links and relationships using alternative indexing schemes.  
**BookBot?**

The **AiLibrary** contains **INDEXes** and local storage of content, the access will change as the Digital Libraries grow and evolve, so the **Transparent Data Exchange** is based on Z2.39 Greenstone Digital Library to start, and will add other industry standard Digital Library **INDEXes** and **content**.

The need for extensive research and a formal University relationship is needed, perhaps we fund a University Ai arena, etc.

**Google** is core regardless of alternatives, but we always like the little guy approach, since they are motivated partners...

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***But the access and display of relevant information is a combination of mind and computer at present...***

Frustration will increase until virtually all documents, brochures, videos, photos are tied together. Because, we compare our previous experiences to new challenges, and the access of more information will want more information.

**gkraft access to information is based on** the years of previous experience and a ***correlation of stuff***. Now to put that into code...

## **DomusRoom(tm) usage of multiple browsers and or HTML5 Apps.**

**Domus** (*genitive domūs* or *domī*) is the Latin term meaning house or home. In ancient Rome, these structures were occupied by the wealthy and middle class freedmen during the Republican and Imperial eras.[1] They could be found in almost all the major cities throughout the Roman territories. The modern English word *domestic* comes from Latin *domesticus*, which is derived from the word *domus*. [2] The word *dom* in modern Slavic languages means "home" and is a cognate of the Latin word, going back to Proto-Indo-European. Along with a *domus* in the city, many of the richest families of ancient Rome also owned a separate country house known as a villa. While many chose to live primarily, or even exclusively, in their villas, these homes were generally much grander in scale and on larger acres of land due to more space outside the walled and fortified city.

The elite classes of Roman society constructed their residences with elaborate marble decorations, inlaid marble paneling, door jambs and columns as well as expensive paintings and frescoes.[3] Many poor and lower middle class Romans lived in crowded, dirty and mostly rundown rental apartments, known as *insulae*. These multi-level apartment blocks were built as high and tightly together as possible and held far less status and convenience than the private homes of the prosperous. source Wikipedia.

The **DomusRoom(tm)** concept is based on the combination of a **AiHome(tm)** with associated **AiLibrary(tm)** and we will call that “**YourStuff**” and the **Search and Retrieval of Information** that may or may not be contained in **YourStuff**.

The use of **multiple Displays or sectioned Displays** will enhance the ability to find the information you are seeking and to keep track of the process or path used to find what you are looking for. The process will include the cross partition and interprocess communication requirement. The **AiEngine INDEX(tm)** will concatenate the MetaTags and add the **DNAid(tm) Key**. The gkraft **CARMS(tm)** design will be considered for **Computer Assisted Records Management “Paperless Office”** purposes since it will fit beautifully within the AiLibrary design as an optional product line. i.e. Scan, Index, Natural Language Retrieval. The key is the “**correlation of stuff**”.

The ability to simply index a visible item while on screen can be handled with a Bluetooth Headset, to provide **VOICE INDEXING**, and a method to simply **Bookmark (1Click process)**, **PDF Generation (1Click process)**, **Web Site Capture (1Click process)**, etc. into the **AiLibrary** for subsequent review.

The **AiLibrary** primarily contains the **INDEXES**. Where the information really is may change and evolve, so the storage is a issue. It will have Access to the Digital Libraries and the HDTV eLearning content from around the Internet or world... Systems such as **MobileME(tm)** from Apple will also be supported.

The entire process (steps) can be Patented. The time to further define this area will be delayed to allow the needed **funding**, associated **Research and Development**, and

the **Legal** process of **Copyrights, Trademarks, Patent** submission, re **in-Corporation**, etc.

The “**gkraft search and learn**” methodology will be refined and used as the base model of search techniques. Training on **what why and where to next from it** is the complex process of the human brain as the “added” missing link... and a little divine guidance will short cut the time to learn... The issues of “Why” did I end up on this web page? And “Why” am I off track from the topic or focus, may be assisted with the display of “where are you going?” similar to driving your car and leaving your lane...

**Artificial Intelligence** will be of assistance in small increments.

The use of **Ai** will enhance the user interaction and the satisfaction of getting the answer rapidly. The **DomusRoom** is a gathering place to share information and talk with your family, friends, and coworkers or customers. And it uses **Google Earth** and **TimeLines** based on your **bibliography**, therefore the **retrieval of stuff** is correlated with the **event time** and is a great way to **categorize** your stuff. **Where is it? and When was or is it? and What is it? And I want it now!** “**Computer Display**” verbal commands via the bluetooth headset or the **AiLibrary Communicator(tm)** to control the **DomusRoom**. The **DomusRoom** is the **FamilyRoom**.



**OffTrack Assistance for Autism** may have some value, the kids with autism are not always in another world from you, it is just that you are too slow for their attention, and the use of Playstation 3 and XBOX is showing some ways to get their attention at a very high rate of visual stimulation caused by the video games. All of our kids are in danger of becoming more autistic because of the video game speed or the ***“Learning at the speed of sight”...***

### ***eLearning at the Speed of Sight.***

The area of interest of **eLearning at the Speed of Sight** has been my real goal over the years to shorten the time to learn. The Internet is the vehicle to reach everyone possible and the combination of todays video games with the future of Internet HTML5 content capability will with Wideband achieve similar Learning at the Speed of Sight over the Internet. The new IOS 4.1 Game Center is ideal for multiplayer eLearning video games... want to learn kid? Perhaps we can find a better solution than single person shooters to teach? How about the need to survive in tomorrows world? What do you need? How are you going to compete? How are you going to find a job?

***Challenge is the key to learning***, and if that doesn't work put a pin in the bottom of the chair and connect it to the USB port...

## **Development Team**

IOS 4.1  
Xcode  
HTML5  
3D Animator and Graphics Artist  
SQL  
Hypermedia  
Video POST Production  
Legal  
Accounting  
OSX Developers  
Product Marketing  
Marketing  
Sales  
Management Team

