Multimedia Search
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Enable people to **find**, **use**, **share** and **expand** all human knowledge

- **Find:** Enable people to find what they are looking for
- **Use:** Search not for sake of searching, but to achieve a purpose
- **Share:** Sharing knowledge with people you connect with and connecting to people who you share knowledge with

Expand
**fuse**  (fyooz)

*verb*  fused, also fus•ing, fus•es

To become mixed or united by melting together

**fusion**  (fyoozhən)

*noun*

A reaction in which nuclei combine to form massive nuclei with the simultaneous release of energy

**Knowledge Fusion:**
Enable people to find, use, share and expand all human knowledge
1. **Vishnu** - *Wikipedia, the free encyclopedia*  
   From the Wikipedia, the free encyclopedia. This page contains an Indic script. Without sufficient text support you may see irregular vowel placements and no conjuncts. More... Vishnu (Sanskrit: विष्णु, pronounced as “viṣṇu”) is a form of God, to whom most Hindus pray...  
   [en.wikipedia.org/wiki/Vishnu](http://en.wikipedia.org/wiki/Vishnu) - More from this site - Save - Block

2. **Vishnu**  
   Vishnu is regarded as a major god in Hinduism and Indian mythology. He is thought as the preserver of the universe while two other major Hindu gods Brahma and Shiva, are regarded respectively, as the creator and destroyer of the universe... The original worship of Vishnu, by the Aryan conquerors of India or the original Dravidian inhabitants is...  
   [www.pantheon.org/articles/v/vishnu.html](http://www.pantheon.org/articles/v/vishnu.html) - More from this site - Save - Block

3. **Vishnu**  
   Vishnu, (from the Sanskrit root 'vish', to pervade) is the second god of the Hindu triad (see Trimurti) and as ... Vishnu is represented as a dark man with four arms...  
   [www.gujar.net/ico/Mystica/html/vishnu.htm](http://www.gujar.net/ico/Mystica/html/vishnu.htm) - More from this site - Save - Block

4. **Vishnu avatars incarnations** - **Hindu God Vishnu Overview**  
   Hindu Gods : Vishnu - Hindu God with 10 avatars (incarnations) - includes many pics of paintings ... The Hindu God Vishnu. Vishnu is the preserver of the universe and ever peaceful. ... basic Hindu Trinity of Brahma, Vishnu and Shiva, the Hindu god Vishnu is the...  
   [www.sanatansociety.org/hindu_gods_and_goddesses/vishnu.htm](http://www.sanatansociety.org/hindu_gods_and_goddesses/vishnu.htm) - More from this site - Save - Block
Lord Vishnu Vrat

A Vrat (fast or Vow) taken thinking of Vishnu in mind.

Worship after bathing his image on the first day of the vow of the four days, beginning with the second day of the Poonam of Poush month with mustard; on the next day with gingly seeds, on the third day with orris root and on the fourth day with medicinal herbs. After bathing the image as given above, worship him as Vishnu and think of Vishnu in mind and think...
VISHNU SAHASRANAMA

For long and happy married life. For peace and happiness and to get rid of evil forces. Lord Vishnu represents the aspect of the Supreme Reality is the Lord of protection & maintenance. His consort Lakshmi is the possessor of wealth, which is a necessity for maintenance. Goddess Lakshmi represents not only material wealth, but the wealth of grains, courage, valour, offsprings, success, luxurious life, eternal bliss.
1. Flickr: Photos from vishnu
   Flickr is almost certainly the best online photo management and sharing application in the world. Show off your favorite photos to the world, securely and privately show photos to your friends and family, or blog the photos you take with a ... www.flickr.com/photos/vishnu - 17k - Cached - More from this site - Save - Block

2. Flickr: Photos from Vishnu Gopal
   Flickr is almost certainly the best online photo management and sharing application in the world. Show off your favorite photos to the world, securely and privately show photos to your friends and family, or blog the photos you take with a ... Sign In | Help. Photos: Explore Flickr • Learn More. Vishnu Gopal's photos. Geek Dock ...
   www.flickr.com/photos/vishnu - More from this site - Save - Block

3. Vishnu on Encyclopedia.com
   ... fully elaborate the myths of Vishnu and his avataras (incarnations): Matsya ... C126/10: Arizona: Vishnu Temple. Date: 01/01/1997. Publication: Archive Photos; Author: ; Source: PICTURES ...
   www.encyclopedia.com/html/V/Vishnu.asp - 49k - Cached - More from this site - Save - Block
Black and White Photos at AllPosters.com
Buy black and white photos at AllPosters.com. Choose from over 300,000 posters and prints in the movies, music, fine art, photography and/or sports category. Framing available.
www.allposters.com

Browse Black and White Photo at Art.com
Browse over 250,000 posters, photos and fine art prints at Art.com. Have them custom framed at our state-of-the-art framing facility.
www.art.com

Image Search Results for vishnu

www.strhub... www.phongs... www.krishn... www.temple... More vishnu images

Yahoo! Shortcut - About

Yahoo! employees: Seeing bad search results for this query? Report them.

1. In BLACK & WHITE BBSNews 2002: Which God is on the Pledge?
Which God is on the Pledge?: In BLACK & WHITE BBSNews Commentary - up to the minute world news about drugs and drugs policy with solutions and commentary.
bbsnews.net/bw2002-07-07.html - 28k - Cached - More from this site - Save - Block
How it works…

Standard Crawl / Index / Serve paradigm

• Automated crawlers spider the web and encounter multimedia content. (Feeds augment the crawl…)
• Metadata is generated and indexed, content is fetched and “summary” (thumbnail) is extracted and stored on Yahoo servers
• Queries are processed and results are served
Challenges: relevance & ranking

• What is the “best” match, i.e. the best image for a given query?

• Techniques like link-flux or PageRank not as meaningful in multimedia context

• Clickstream analysis a useful tool
  – Unlike web results, users can consume content directly on SRP…
  – Therefore clicks are meaningful “votes”
Challenges (v. Web Search)

- Crawling Multimedia data can be difficult
- URLs are often dynamically generated, often intentionally obsfuscated.
- Huge storage implications (thumbnail cache)
- Multimedia objects are binary, and hence “opaque” v. self-describing web pages, thus dependence on heuristic means of deriving metadata
- Relevance is difficult to determine
Any and all means….

• Syntactic stuff: Size, dimensions, format, duration, frames per second, etc.
• Object name: “dog.gif”
• ALT tags, <… ALT=“Picture of a Dog”>
• Embedded metadata (headers): ID3 tags, EXIF information, etc.
• Analysis:
  – Color / black & white
  – Acoustic Fingerprinting
  – Speech Recognition
  – Speaker Identification
  – OCR
  – Face Recognition
  – Object Recognition
  – Indoor / outdoor
  – Music / Speech
Problems with automated Metadata Extraction

• Techniques are computationally expensive, very difficult to compute at web scale
• Results are noisy, prone to error…

• Some of these drawbacks can be mitigated by using context

• Biggest problem is that techniques do not extract most valuable level of information
A long digression on metadata
The ESP Game: Labeling the Web - Mozilla Firefox

Getting Started  Latest Headlines

Welcome, BRADLEY23
(Not BRADLEY23? click here)

How to Play

Play NOW!

Did you know?
The ESP Game is helping to label all images on the Web!

Terms of Service | FAQ | ESP Image Search | Contact Us | Credits

Funded in part by the National Science Foundation (NSF)
© 2005 Carnegie Mellon University, all rights reserved. Patent Pending
ESP Game

The ESP Game

2:16
Time Left

The ESP Game

0000
score

Taboo Words

PAGEANT
BEAUTY
DRESS
WOMAN
WHITE

Your Guesses

Guess what your partner is typing on each image

Type your next guess: *

Your partner has entered a guess

Pass
Flag

Applet PlayerClient started

© 2005 Carnegie Mellon University, all rights reserved. Patent Pending.
Great fun!
Over 10m photos tagged...

The ESP Game
As seen on CNN and newspapers around the world!

12,177,860
Labels collected since October 5, 2003
(This number is updated every 12 hours)

Labeling an image means associating word descriptions to it, as shown below. Computer programs can’t yet determine the contents of arbitrary images, but the ESP game provides a novel method of labeling them: players get to have fun as they help us determine their contents. If the ESP game is played as much as other popular online games, we estimate that all the images on the Web can be labeled in a matter of weeks!

Having proper labels associated to each image on the Internet would allow for very accurate image search, would improve the accessibility of the Web (by providing word descriptions of all images to visually impaired individuals), and would help users block inappropriate (e.g.,
FUSE Case Study: Flickr
What’s important about Flickr?

“An online photo sharing community…”

• Filled with high-quality, timely, topical photographic content...

  content entirely user-generated.

• Richly annotated and indexed, searchable, browsable and navigable...

  metadata entirely user-generated.

• Tens of thousands of distribution partners…

  each “deal” brokered by flickr users...

• Hundreds of applications written against flickr platform…

  by 1000s of flickr developers
Photos from my Contacts

Photos from your contacts
Or, only show photos from your family and friends

From nathan
From celeste
From ed
From shadeperson
From Brenda
From Stewart
From jay
From heather
From susan
From hannah
From Esther
From jay
From adam
From greg
From karen
From john
From grace
Photos from Nathan

VERY asleep

Sometimes she just crawls right up into Kim's arms and falls asleep.

Comments
Photos from Nathan via RSS
Photos from Nathan via RSS
Tagging
Tagging / cats
Tagging / interestingness
Tagging / clusters

Tags / cat / clusters

- cats, pet, animal, pets, animals, eyes, black, dog, bw, portrait
  - See more in this cluster...

- kitty, kitten, cute, sleep, sleeping, tabby, felino, kittens, orange, meow
  - See more in this cluster...

- macro, nose, whiskers, eye, closeup
  - See more in this cluster...

- gato, gatos, chat
Flickr Flash Widget

Get your Daily Zeitgeist here!

All you need to do to get your own Daily Zeitgeist up and running is tell us which Flickr photos you’d like to include. Doing that will customize the script you see in the text area below, and then you simply copy and paste that code into your web page.

Which photos would you like to display?

- Everyone’s photos
- Your photos
- Your contacts’ photos
- You and your contacts’ photos

Copy and paste the code below into your own web page:

```html
<script src="http://www.flickr.com/fun/zeitgeist/badge.js?gne=" type="text/javascript"></script>
```
So Apple is currently processing my order for a spankin’ new 20-inch unit, stock except for a 1-DIMM 1GB RAM upgrade. The 20 inches are almost vulgarly large, but oh boy is that widescreen display pretty, and after the cramped 15” of the graphite iMac it’s going to feel like a wealth of real estate.

I have a history of buying Apple products immediately BEFORE a major update (Lisa’s iBook is probably one of the last 800mhz ones they sold before shipping the 1.0ghz models, any the 6GB iPod mini launched about 2 weeks after I got my 4GB for the same money and 1/3 of the battery life), so it feels good to jump on the rising wave of this one. I’m sure this will give us at least four or five years before I’m allowed to start grumbling again.

**UPDATE:**  
Sent to Manufacturing

Special Bonus Nana Sanna WANT IT: [Bissell 2070 Quicksteamer Powerbrush Lightweight Deep Cleaner](http://www.amazon.com/gp/product/B00001P21E) - let us know how it works!

Posted by jkt at 04:41 PM | Comments (0) | TrackBack (0)

**SAINTLY PSEUDONYM**  
filed under: [Idle Chatter](http://www.ideaexchange.com/IdleChatter)

Via Mini Smartypants I found my way to the [Calendar of Saints](http://www.ideaexchange.com/IdleChatter) on the Catholic Forum. It turns out my birthday, which just passed (happy birthday to me!), is the feast/memorial day for several saints. I’m a fan of...
Flickr publishing

about me

Name: Iorna
Location: Haverford, Pennsylvania, United States
I'm a college student just outside Philly, transplanted from Virginia...

View my complete profile

previous posts

- Three of us
- Anniversary dinner
- I have no words...
- Camp, camp, camp!
- Ponging it up
- Hi Chloe!
- Online fun
- Awkward
- One more before bed
- My Girls

archives

7.25.2004

Ponging it up

Here's an old beer pong picture from Gummers basement days. Last night some pong was going on, but I didn't play any. Haverford is pretty into the pong, but 26 has stopped playing obsessively as of late.

Last night Chloe and Marlowe were here which was cool, and it was nice to see a lot of people who were visiting. It wasn't a very exciting night though, just a lot of chillin' out.

posted by Iorna @ 11:08 AM

7.17.2004

Hi Chloe!

This was a good night in Gummers basement. Chloe may or may not remember all of it...

Today we went into Philly and had quite the exciting day. However, on the way home, my heel started hurting a bit and now...
Flickr as a service…
Culture of Participation

1 creators
10 synthesizers
100 consumers
Mass Media
Micro Media
My Media
Negroponte: “Being Digital” - bits v. atoms
Current system of media production & consumption is largely an artifact of “atom-based” distribution
Media has been relatively difficult for individuals to create, and virtually impossible for individuals to distribute at scale
Led to a high-stakes economic model

Mass media has flourished, in part, because micro-media wasn’t viable…
Postulates

• Area under the curve of “long tail” is significant…

• Economics around this “tail” content often invert

Popular content …everything else
## Mass v. Micro Media

### Mass Media
- Appeals to Large Audiences
- Controlled and manicured distribution
- Expensive to produce
- Studio model, high-stakes economics

### Micro Media
- May have limited audience
- Uncontrolled, unmoderated distribution
- Cheap to produce
- Different, developing economic model

### My Media
- Ability to consume from both head and tail
- Ability to create and share “my” content
Content Acquisition Strategy

Explicit Feed Relationships

Comprehensive Media Crawl

Media RSS
Media RSS 1.0

- Simple extension to wildly popular RSS format
- Builds on “podcasting” movement, and extends to other media data types
- Designed for “grass-roots” publishing, enabling audiences for content previously unavailable through traditional channels
- Working with community “to get something done,” in partnership and collaboration
Mass Media + Micro Media = My Media
Yahoo Video Search

- Straightforward video search *a la* Image Search
- Yahoo is *extremely* sensitive to rights holders
  - 24 hour take-down policy
  - Working in partnership and collaboration with studios and networks to serve their needs
  - Leveraging existing business models and objectives – we drive traffic to your property
  - Great tool for monitoring and dealing with infringing content
- Extremely successful, more innovation in the works
- Video Search is not a technology problem per se, but a “business problem” Yahoo is well-poised to address.
Thanks!

bradleyh@yahoo-inc.com