

# *Making notes*

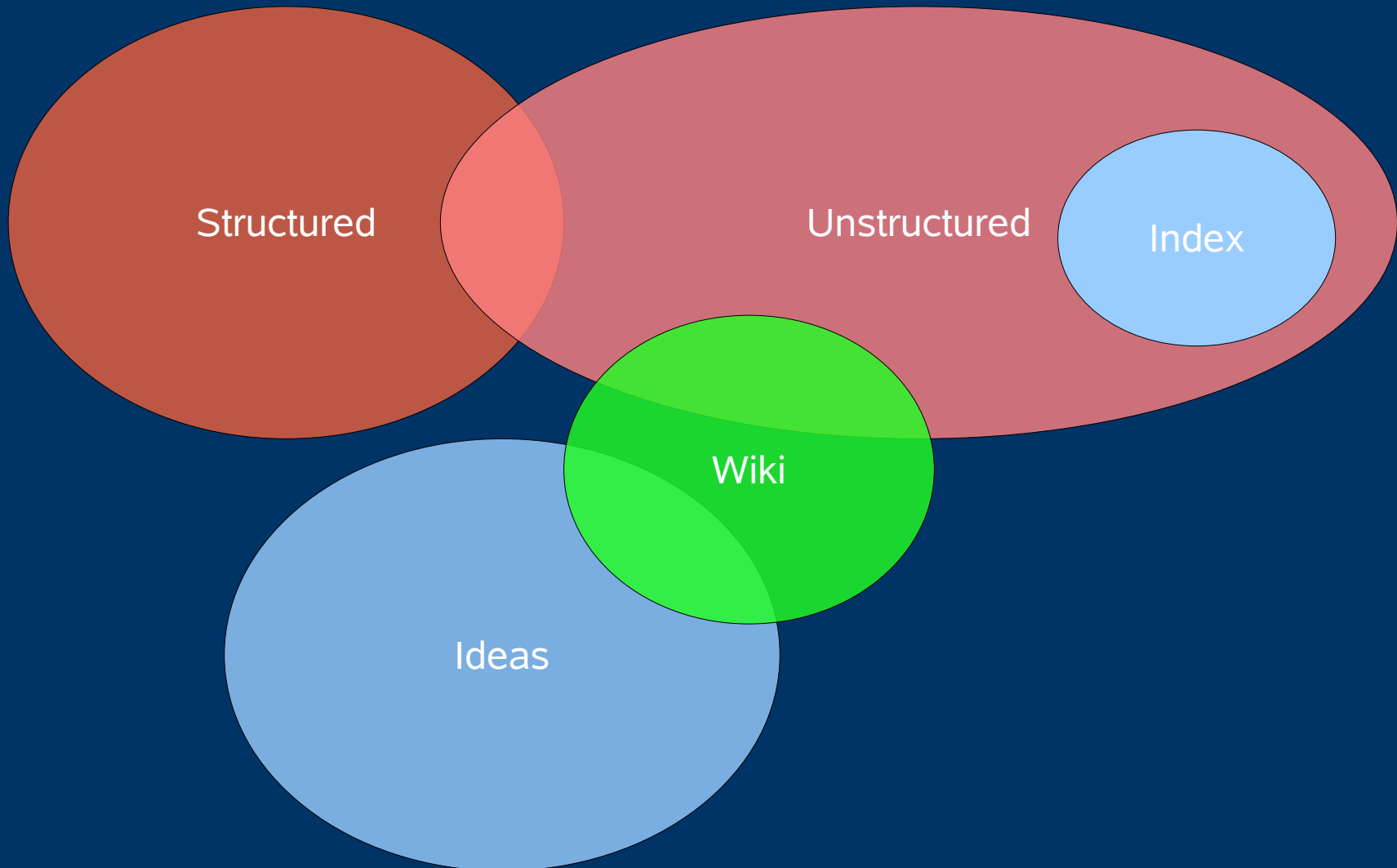
Richard Jarvis



# *What do I want?*

- Store simple notes
    - To remember stuff: structured & unstructured
    - To organize stuff
    - FAST ... gtk based good
    - EASY ...
      - to add stuff
      - to find stuff
      - to reorganize and delete stuff
    - SAFE ...
      - automatic saving
      - easy to backup
      - simple file format
- 
-

# *This presentation*



# Structured Stuff

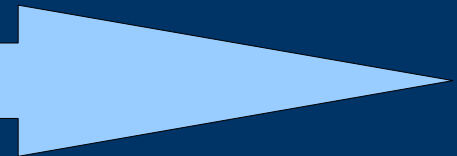
PostgreSQL  
MySQL

OpenOffice.Org database

Gaby  
Grok  
Tellico (Bookcase)

Heavy

Light



grok

grok

File Database Section Sort Query Help

Search All [redacted] [C] Requery

bibliofile: 11 of 11 cards (read only)

Author	Title	Ed	Publisher	Date	Ar	Ed	Ke
Gromyko, Andrei	Soviet Foreign Policy (vo	T	Progress Publishers	1981			
Gunther, John	Inside Russia Today		Penguin	1964			
Hoffman, Erik P	The Conduct of Soviet For	T	Aldine Athertron	1971			
Joll, James	Europe since 1870		Penguin	1990			
<b>Kort, Michael</b>	<b>The Soviet Colossus</b>		<b>Routledge</b>	<b>1992</b>		<b>2</b>	
Laqueur, Walter	Europe in Our Time: A His		Penguin	1993			
Townson, Dougla	The New Penguin Dictionar		Penguin	1994			
Turner, Ralph V	King John's military repu		Journal of Medieval	19 (19	A		

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z misc all

Author: Kort, Michael  Editor  Article

Title: *The Soviet Colossus*

Address: London

Publisher: Routledge

Date: 1992 Pages: [redacted] Edition: 2

Call Number: [redacted]

Annotation: 2nd edition, reprint from 1990

Key: Kort

[Left] [Right] New Dup Delete Help

grok

### Form Editor

Form name: [ ]

Referenced database: [ ]

dbase field delim: [ ]  Read only  Timestamps/Synchronizable  Procedural

Comment: [ ]

Form

Field

Field type:  Input  Time  Note  Label  Print  Choice  Flag  Button  Chart

Flags:  Searchable  Read only  Not sortable  Default sort

Internal field name: Editor

### Form Editor Canvas

label	[0] Input	[2=(ed),3] Editor	[8=Art,6] Article
Title	[1,1] Input		
Address	[3] Input		
Publisher	[4,4] Input		
Date	[5,5] Input	Pages [9] Input	Edition [10,10] Input
Call Number	[6] Input		
Annotation			
[7] Note			
	Key	[11,11] Input	

Input default: [ ]

tellico

The screenshot shows the Tellico application interface. The main window, titled "books.bc [modified] - Tellico", displays a list of books grouped by author. The "Group By" dropdown is set to "Author". The list includes authors such as KE Brennan, SL Campbell, Keighley, J (1), Keller, Eugene Isaacson, Kelley, CT (1), Kelton, Averill M Law an, Kelton, Sadowski and Sa, Kemin Zhou, John C Doy, Kennedy, Musciano and, Kern, Donald Q (1), Kernighan, Brian W (3), and Kilworth, Garry (2). The book "The C Programming Language (ANSI)" by Kernighan, Brian W is selected. Below the list, the book's cover is displayed with the title "The C Programming Language (ANSI)" and the authors "Kernighan; Dennis M Ritchie".

An "Edit Entry" dialog box is open in the foreground, titled "Edit Entry - C Programming Language (ANSI), The - Tellico". It has tabs for "General", "Publishing", "Front Cover", and "Comments". The "General" tab is active, showing the following fields:

- Title:
- Author:
- Purchase Price:

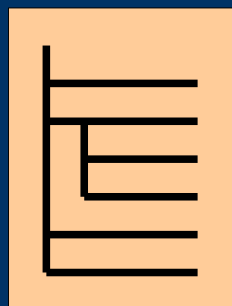
At the bottom of the dialog, there are buttons for "Help", "New Entry", "Save Entry", and "Close".



# Unstructured Stuff

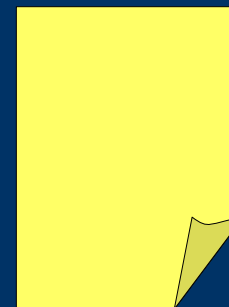
- Hierarchical

- yank
- tuxcards
- knotes
- gjots2
- knowit
- knowde
- treeline
- note 1.3.1
- notecase
- notemeister



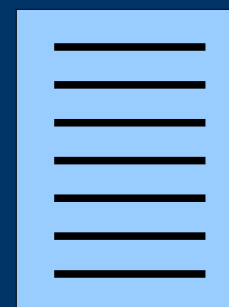
- Sticky notes

- gnome
- snotes
- xnotesplus
- xpad



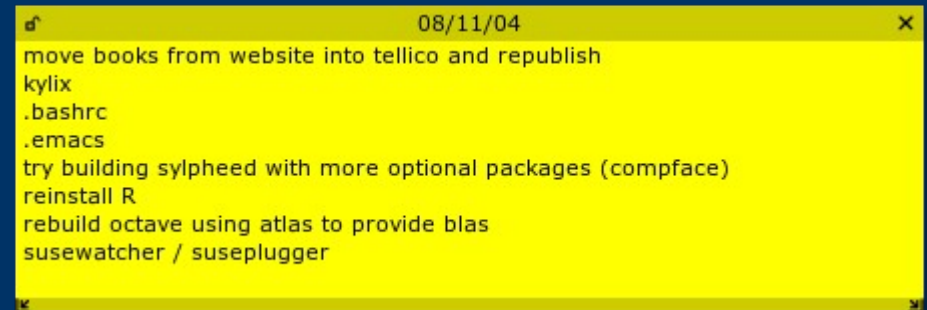
- Lists

- ithought
- jstickynote
- notebook
- notetool



# *Sticky notes*

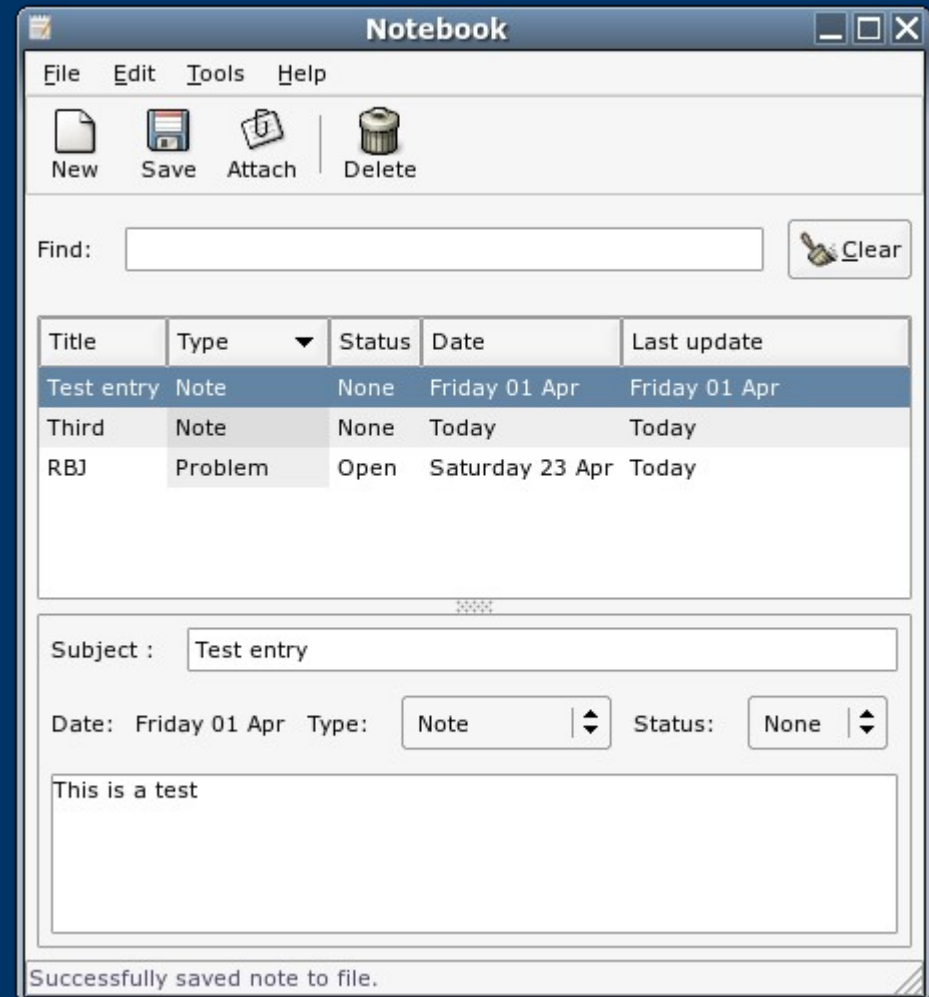
- Limited searching
- Quick and easy to show
- OK for todo lists



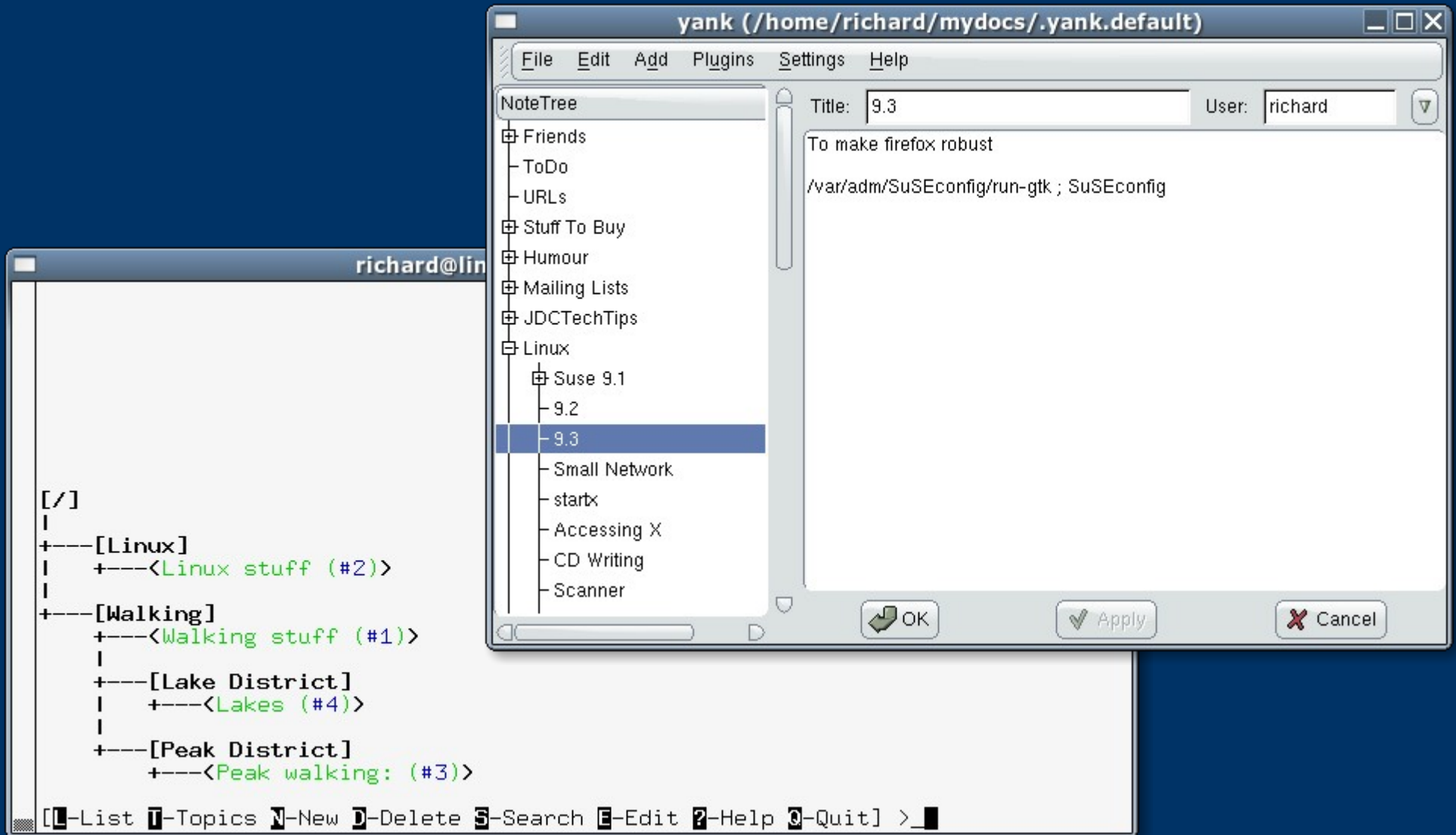
```
08/11/04
move books from website into tellico and republish
kylix
.bashrc
.emacs
try building sylpheed with more optional packages (compface)
reinstall R
rebuild octave using atlas to provide blas
susewatcher / suseplugger
```

# Lists

- ithought
  - quick search
  - actions plug ins
- Notebook
  - search titles only
  - can sort by category
- jstickynote
  - search keywords



# Hierarchical



# *Hierarchical*

- Tuxcards
  - formatted text
  - good search returns set of hits
  - per note encryption buggy
- knowit
  - links between notes
- Treeline
  - node contents depend on type
  - powerful search/filtering
  - file encryption
- note 1.3.1
  - command line based

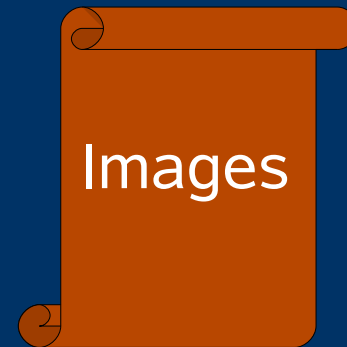


# Ideas

- Mind mapping
  - vym (view your mind)
  - freemind

- Colours

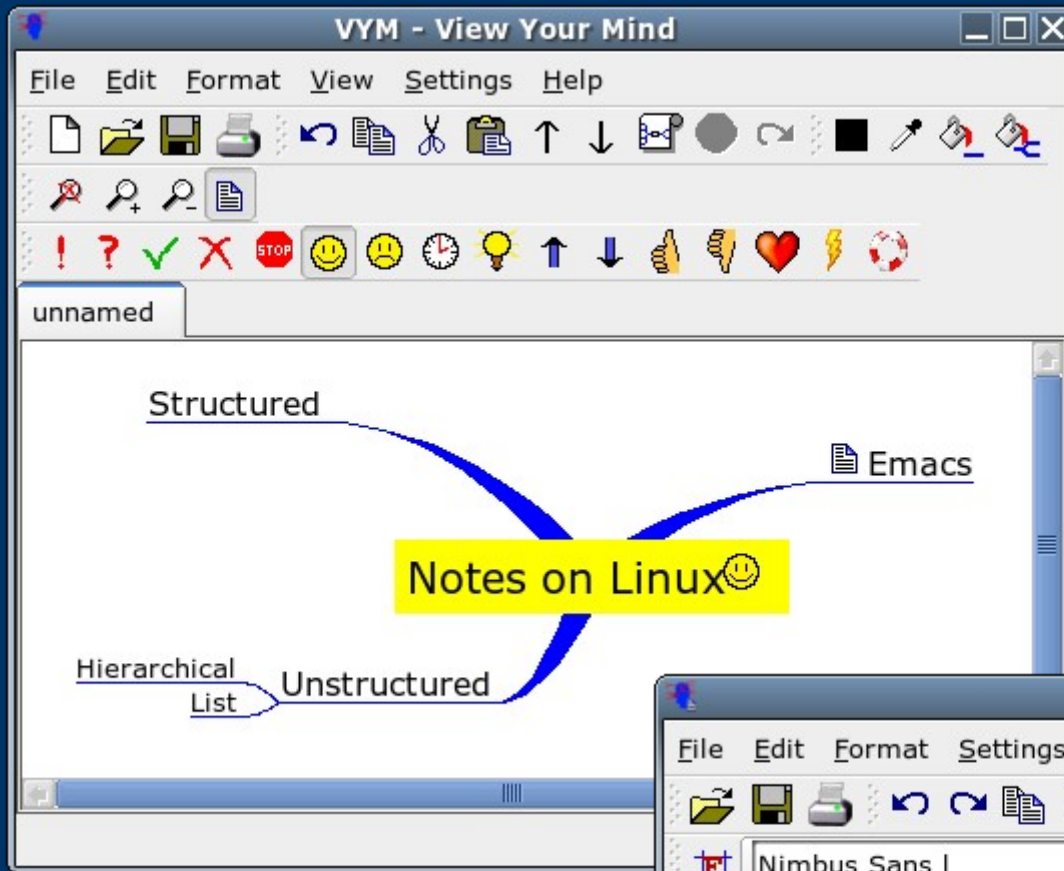
- 



- Spatial



# vym



VYM - Note Editor

File Edit Format Settings

Nimbus Sans I 14 B I U

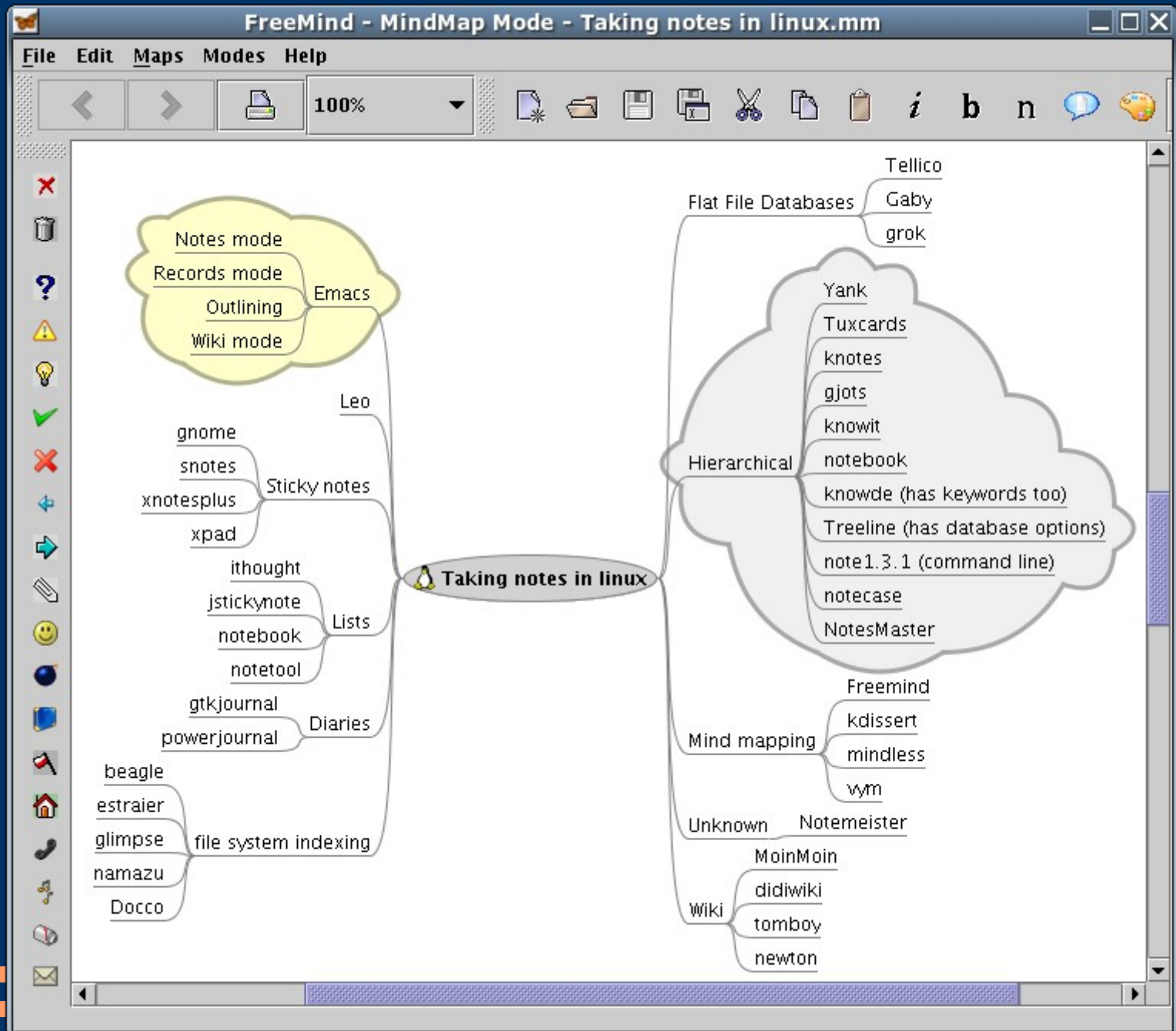
Describe various bits here:

wiki

notes/records

bbdb

# freemind



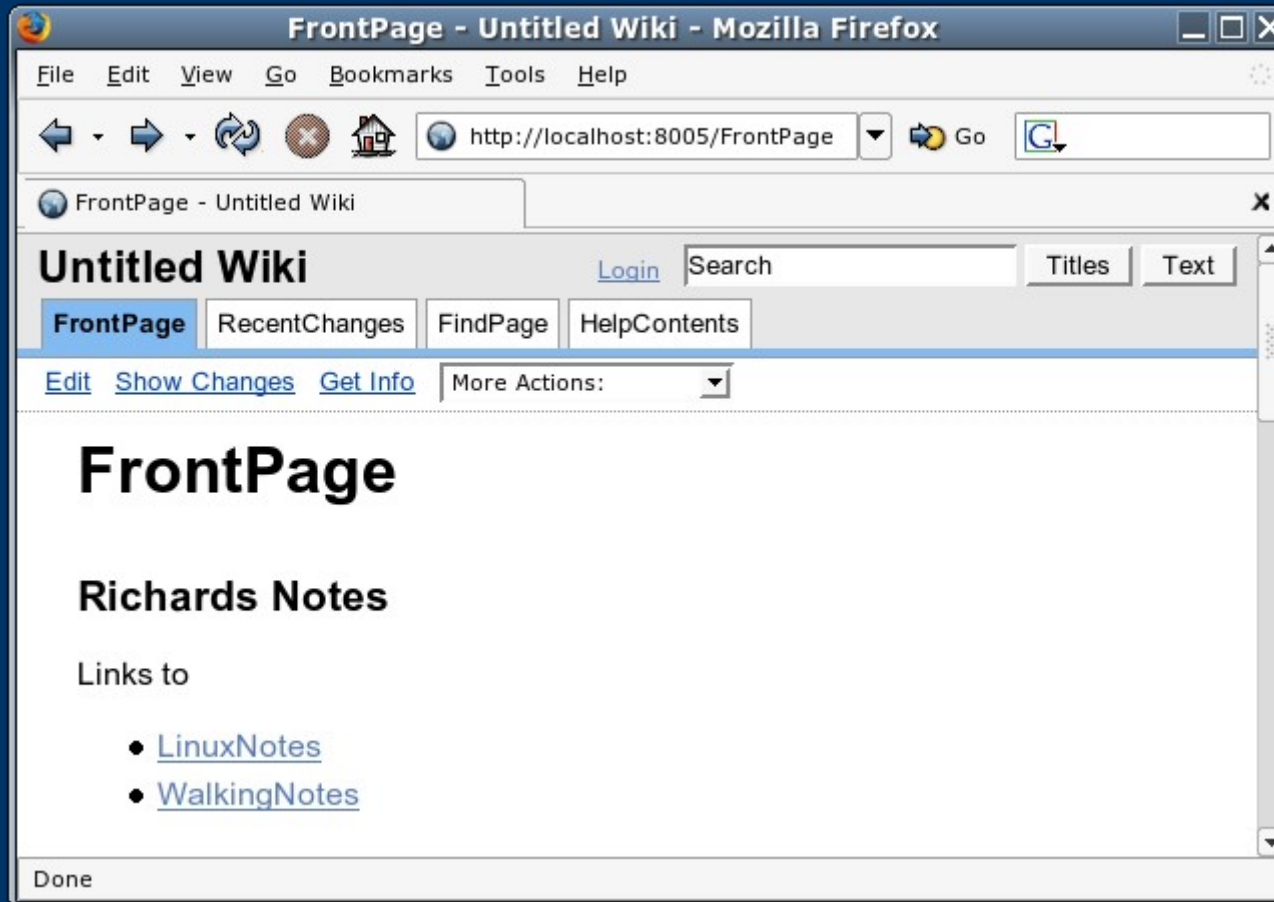
# Wiki

- Easy
  - ideally no server
- MoinMoin
- didiwiki
- leonardo (blog too)
- tomboy
- newton
- emacs

# MoinMoin

- Python based
  - Needs user creation and login
  - Needs a server
  - Excellent search features
    - Title / text search
    - Regular expressions
    - Recent changes
    - Title and word alphabetical index
    - Wanted / Orphaned pages / Page hits
    - Show like pages / local site map
  - Can edit the menu
- 
-

# MoinMoin

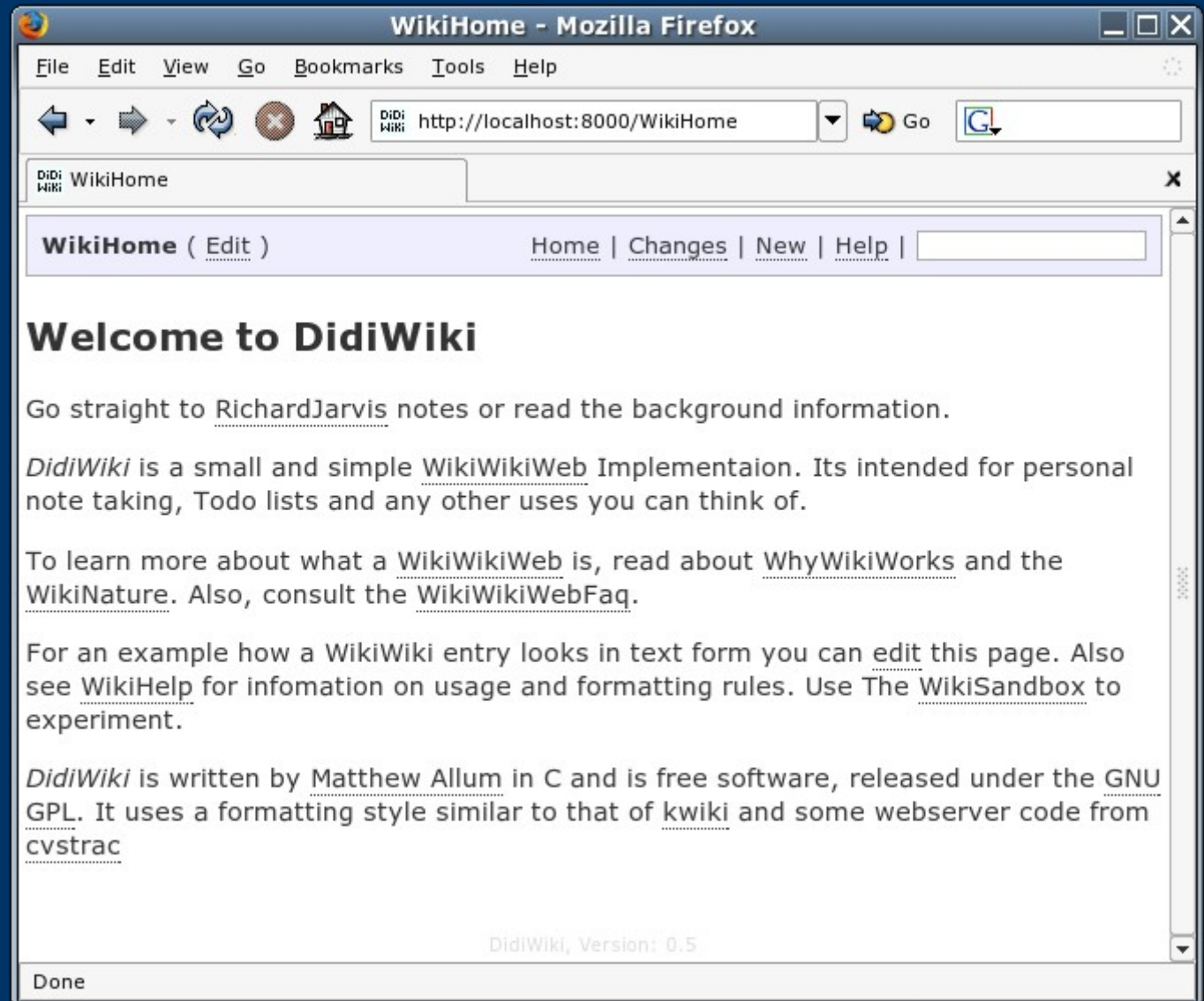


# *didiwiki*

- No login
- Simple menu
- Does need a server
- Few extras I'd like ...
- ... but its written in C so I can do that
- Small (40kb C source)

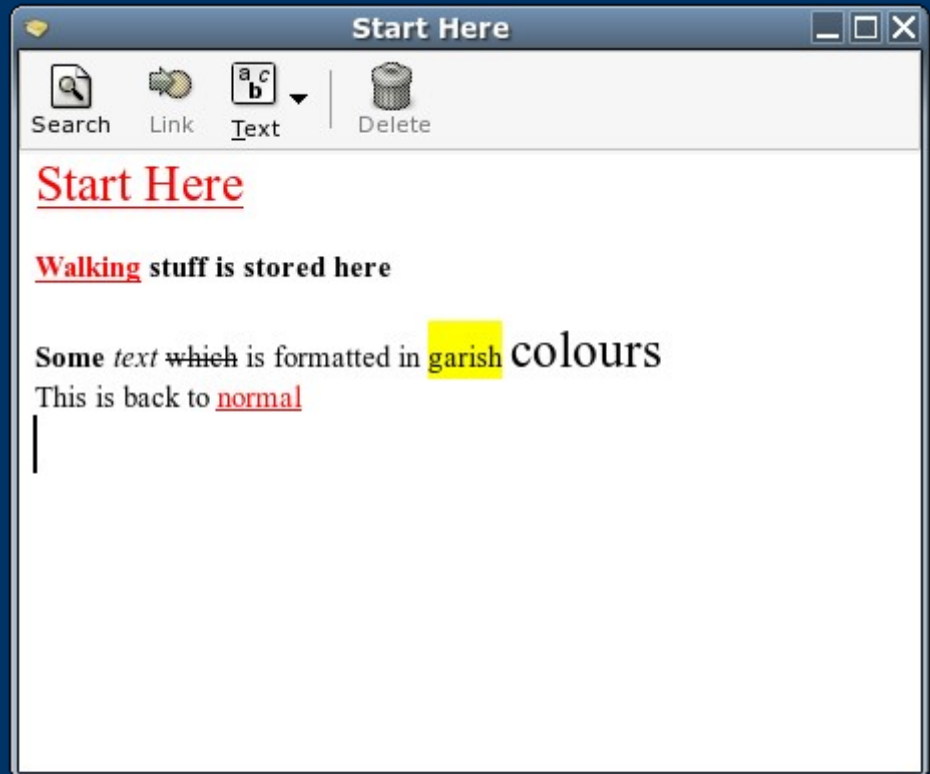


# didiwiki



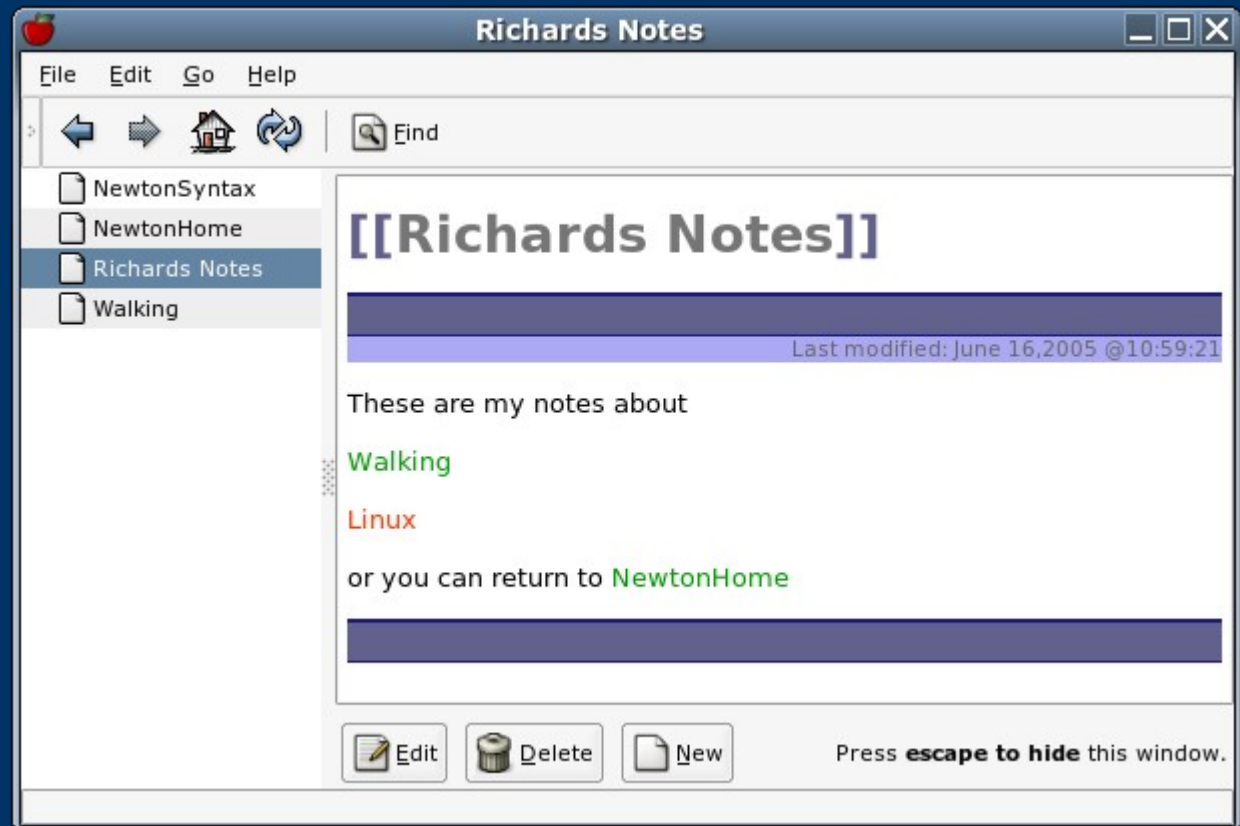
# *tomboy*

- Some text formatting
- Otherwise text highlighted/linked
- Good search
- Optional wiki word recognition
- Most recent listed in gnome panel
- Rather unstable (0.3.2)



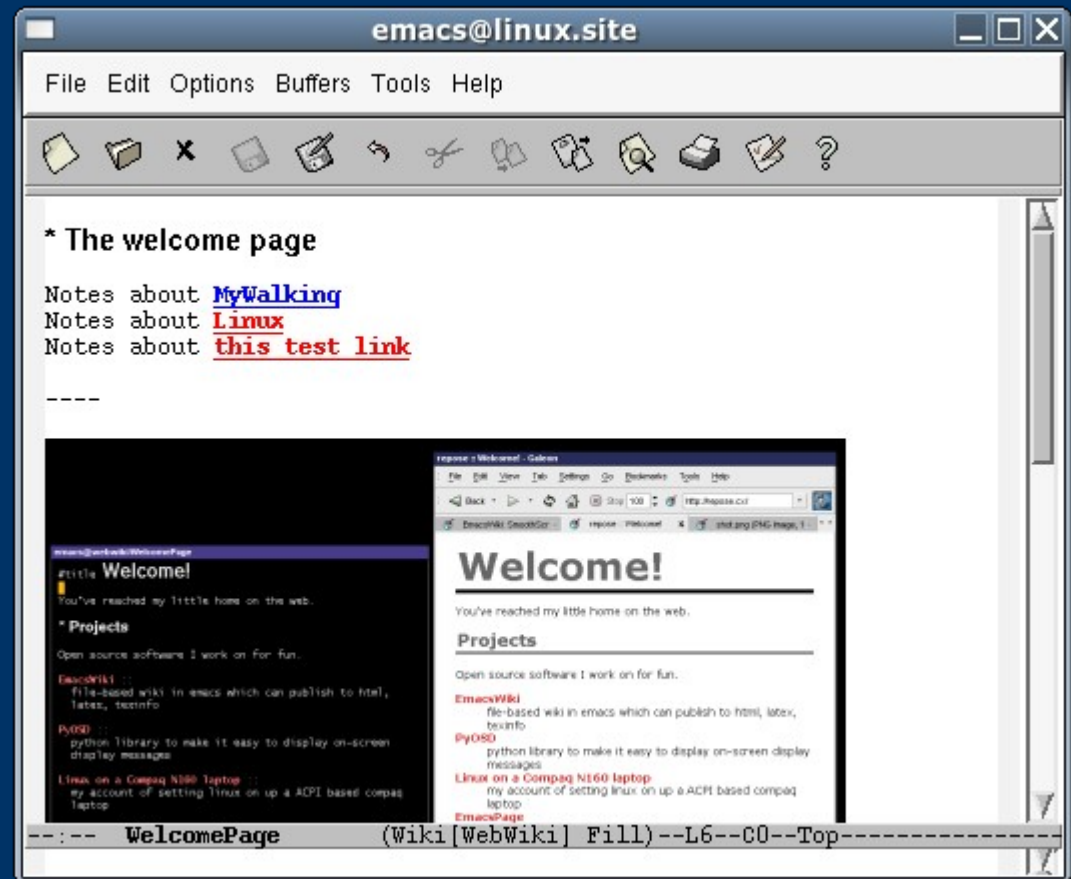
# newton

- Wiki / list
- Good search
- Needs new pygtk



# emacs wiki mode

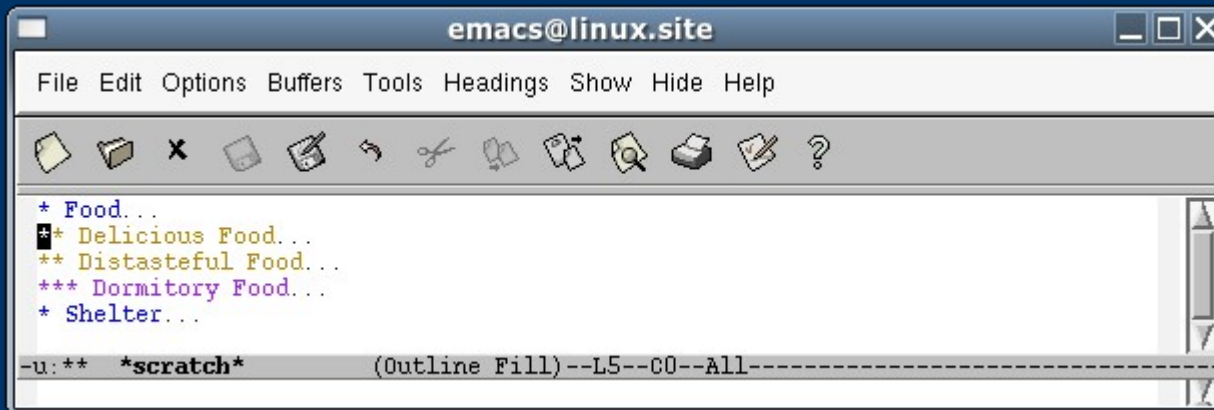
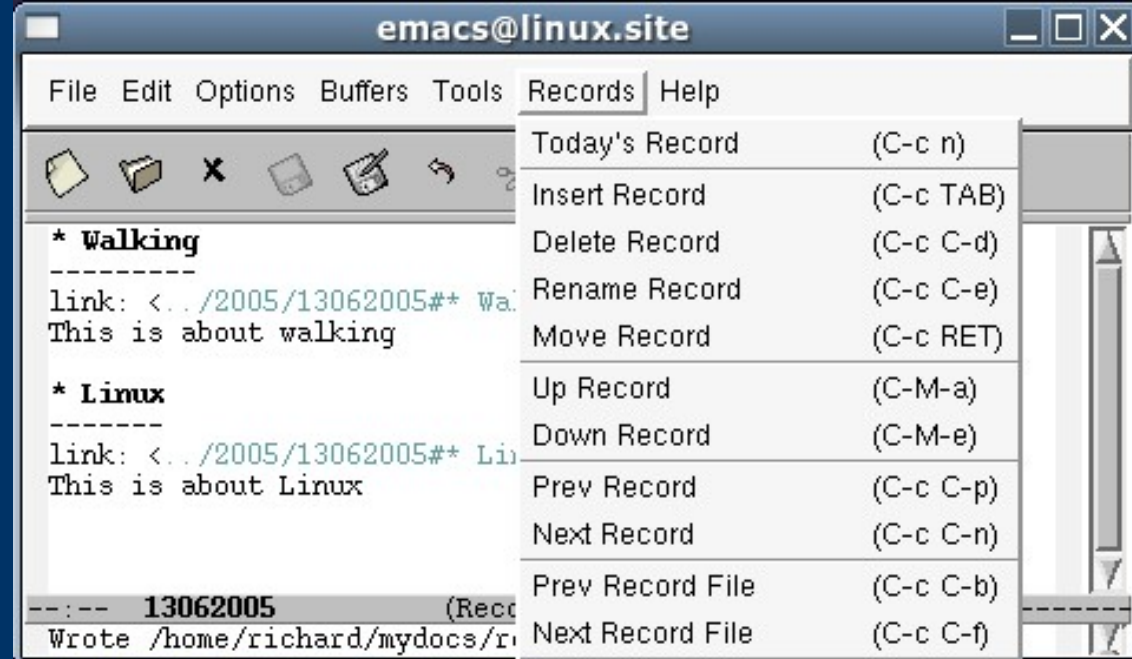
- emacs-wiki-find-file
- index of all pages
- all references
- publish to html



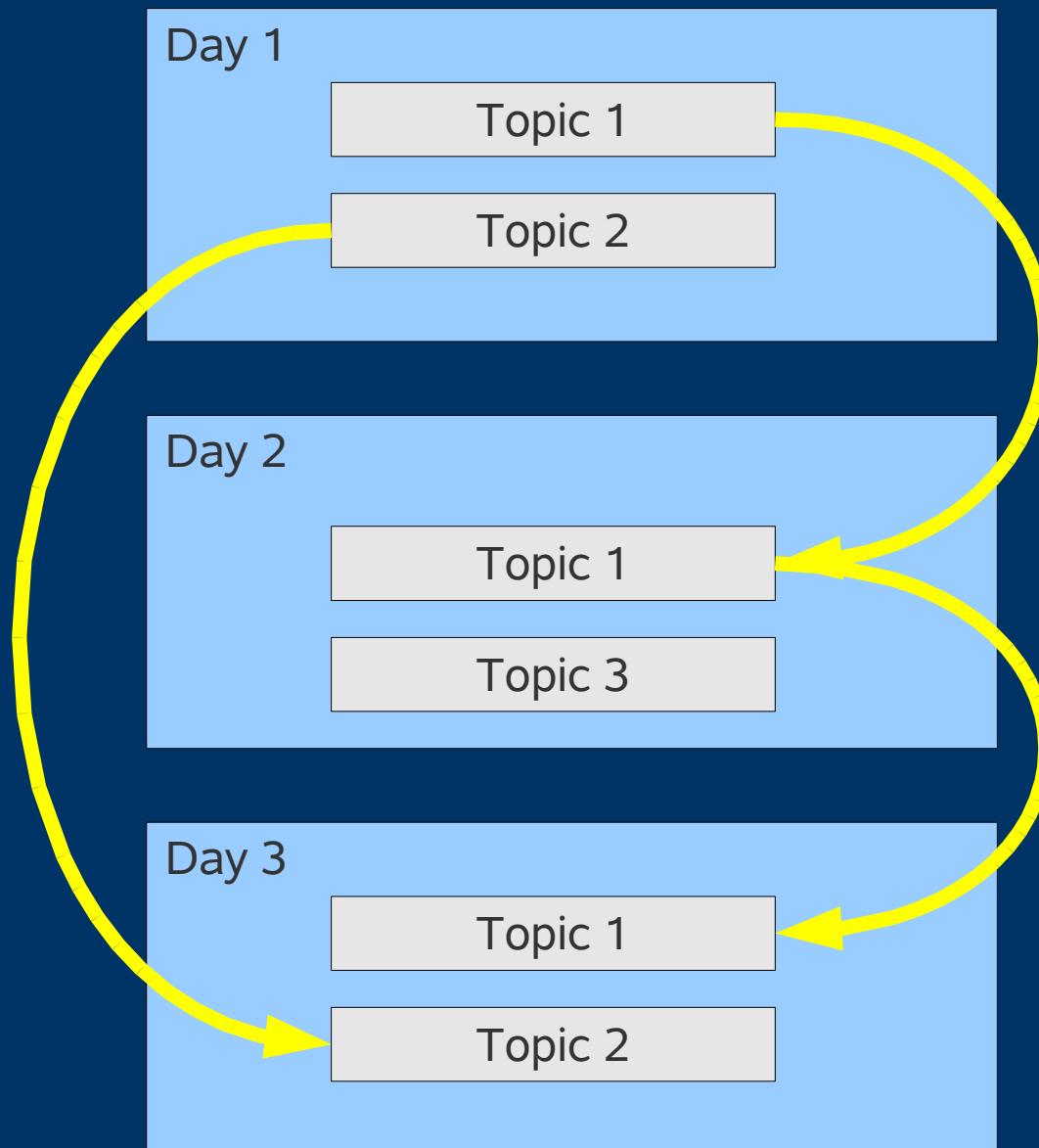
# emacs

- Records Mode
  - Notes mode is an earlier version with manually (or cron) updated indices

- Outline



# *emacs records mode*



# *Index the file system*

- find vs locate
  - find ~ | grep sxw
    - 68s
  - locate sxw | grep \$HOME
    - 0.5s (+ 600s indexing)
  - rlocate ?
    - uses inotify kernel patch

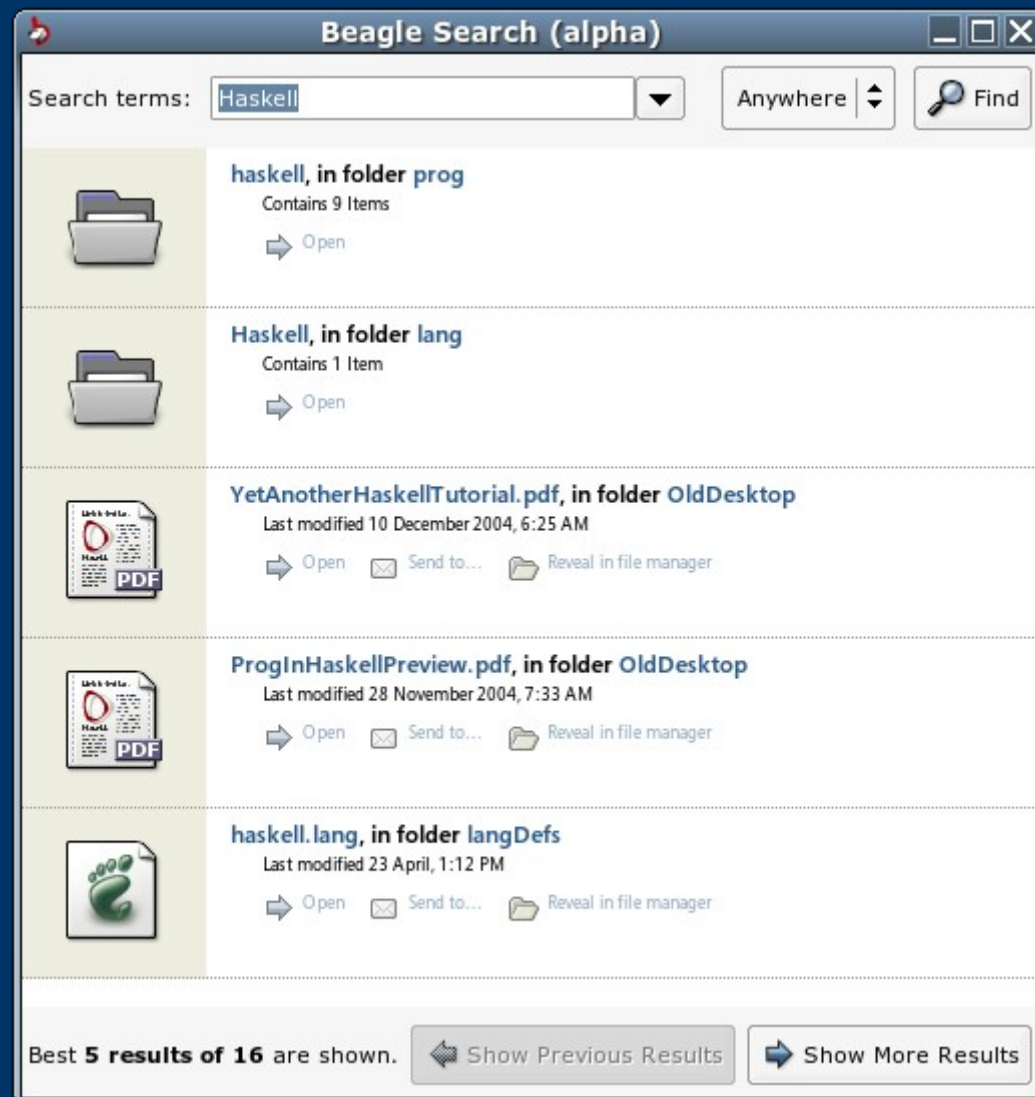


# *find, locate and grep*

- Find content in files
  - for i in `locate htm | grep \$HOME` ; do grep -i haskell "\$i"; done
  - or use indexing software to index the content
- index content
  - beagle
  - estraier
  - glimpse
  - namazu
  - docco

# beagle

- Written in mono
- beagled continually indexes files
- Uses extended attributes to avoid reindexing
  - problematic with reiser file systems
- Can use inotify patch



# *estraier and glimpse*

- **estraier**
  - `estcmd gather -sd casket ~/mydocs/HomePage`
  - `estcmd search -vh casket Haskell`
  - return 9 out of 1996 (4648) files (no pdf/OO)
- **glimpse**
  - `glimpseindex -o ~/mydocs/HomePage`
  - `glimpse -F htm -l -1 Haskell`
  - return 12 out of 2015 files (wider range of text, including xml files; no pdf/OO)

# *namazu and docco*

- namazu
  - mknmz
  - ~/mydocs/HomePage
  - namazu Haskell ./namazu
  - 9 out of 1996 files
  - supports pdf, not OO
  - plug ins available
- docco (lucene)
  - return 8 out of 1996 files
  - with GUI
  - supports pdf, not OO
  - plug ins available



# Time to create index

Tests

4648 (14417) files

