Making Perl Work for You

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Pittsburgh Perl Workshop

September 23, 2006

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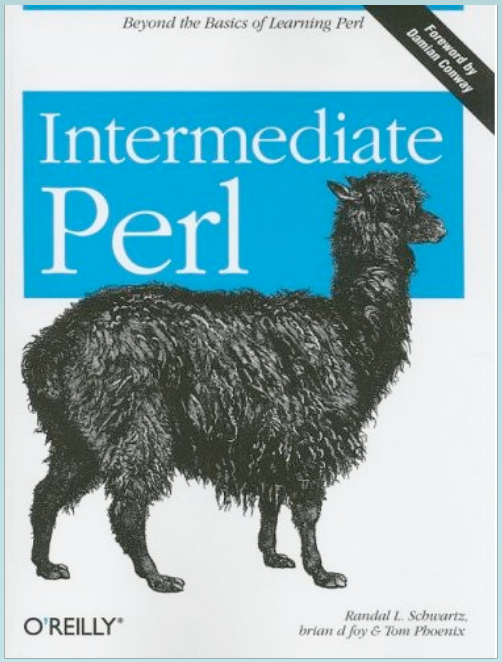
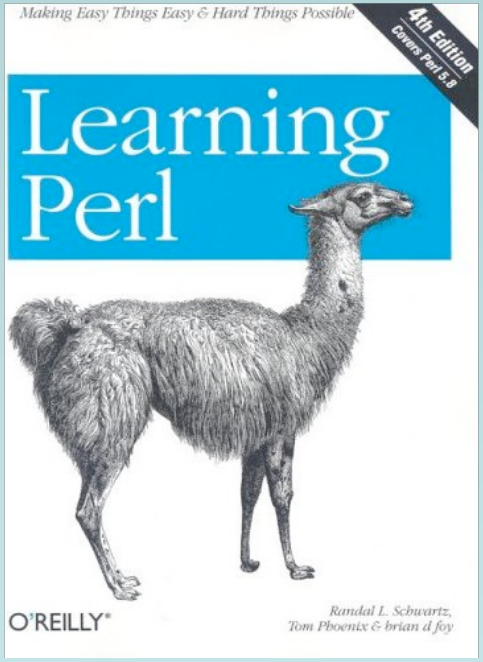
the magazine for Perl

Stonehenge



Perl mongers



Mastering Perl

http://www.pair.com/comdog/

Wealth is sum of the things that create happiness

FEDERAL RESERVE NOTE
THE UNITED STATES OF AMERICA
THIS NOTE IS LEGAL TENDER
FOR ALL DEBTS, PUBLIC AND PRIVATE
F 63201156 E
WASHINGTON
SERIES 2001
Treasurer of the United States
Secretary of the Treasury
ONE DOLLAR
LINCOLN
E5

Do computers make me more wealthy?

Make less work?
Save time?
More productive?
Easier life?

NEW LOOK
1. PULL OVER
2. PULL UP
U.S. Patent No. 5,217,134
SPAM
CHOPPED PORK AND HAM
Serving Suggestion
Hormel

Pocket PC
Start
Today
ActiveSync
Calendar
Contacts
Inbox
Internet Explorer
Notes
Tasks
Windows Media
Programs
Settings
Find
Help
New
3:06

finish projects sooner?
more to worry about?
more complex situations?

Sprint
SANYO
Web
BACK
TALK
1
2
3
4
5
6
7
8
9
0
#

carry a pager?
read mailing lists?
answer email?
recompile kernels?
train spam filters?

Is Life Easier?

PPW.ppt

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Click to add notes

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Computers don’t think; they do

Losing my job

Thousands of Files

I need to Extract some numbers and make a Report. If only there were some Practical way to do that.

Pretending To Be There

Create simulation inputs

FTP to VAX

Run simulations

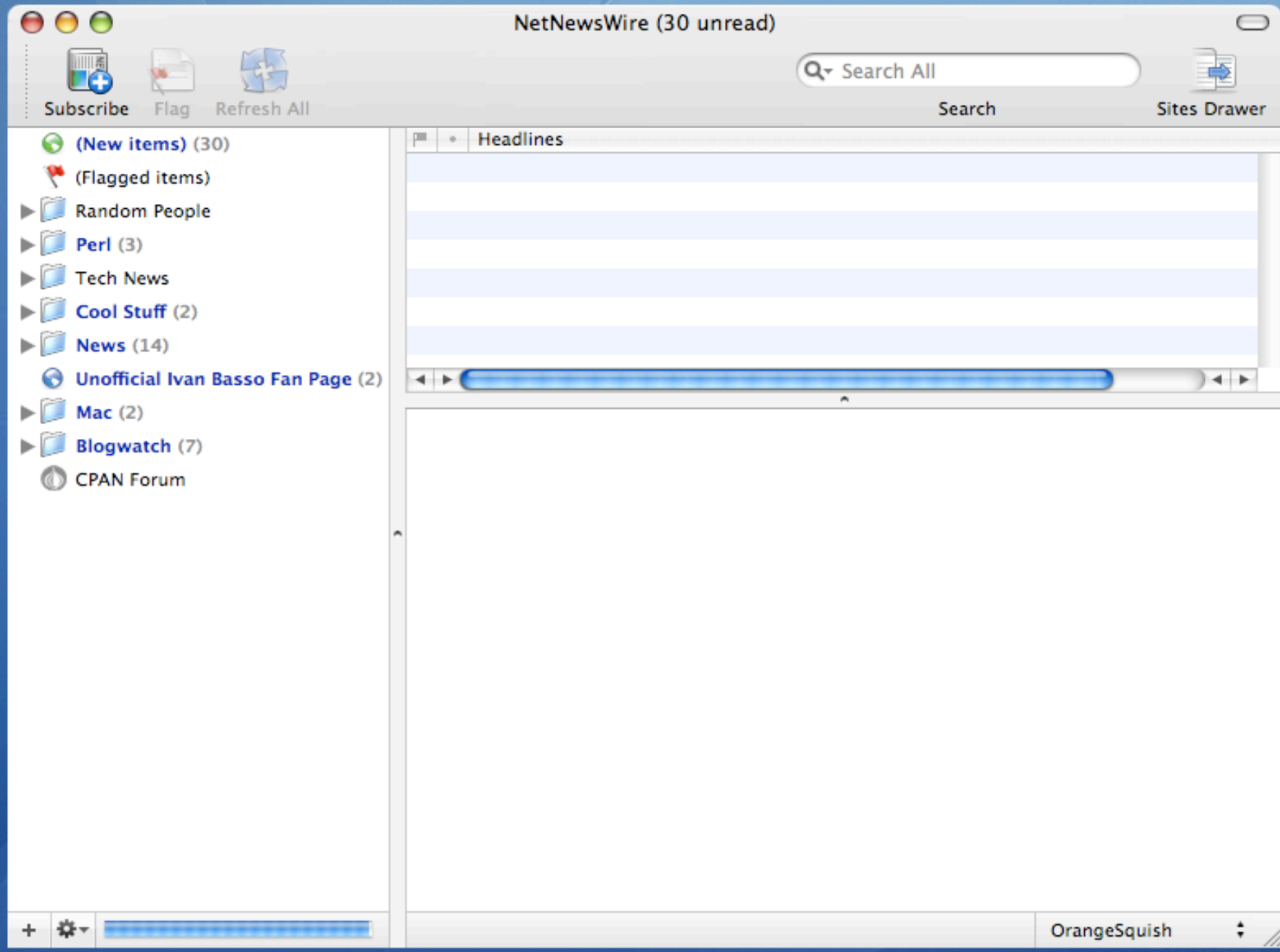
Read comp.lang.perl

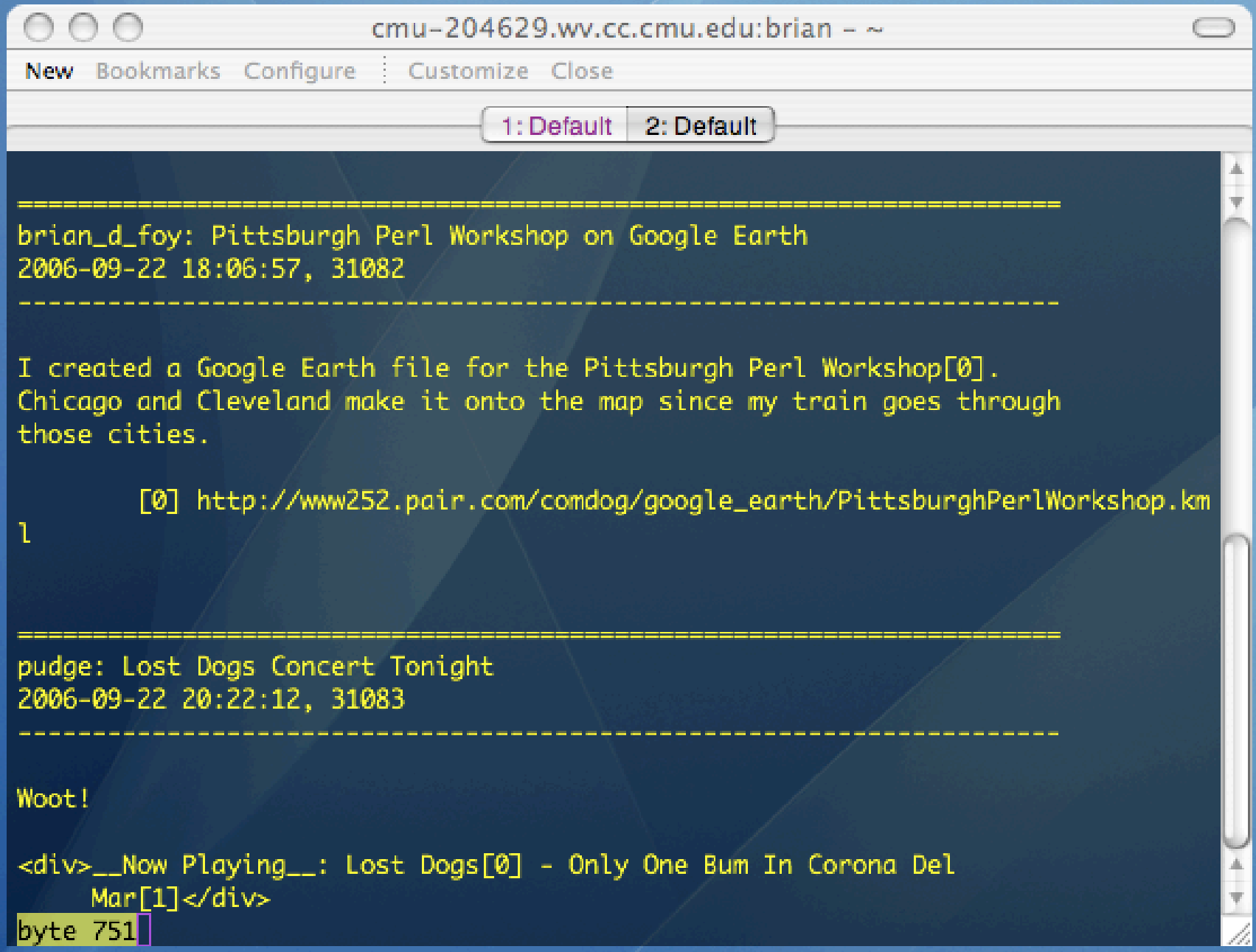
FTP new results files

Parse files to make CSV

Load into Excel on Windows

Work Smarter, not Harder


NetNewsWire (30 unread)
Subscribe
Flag
Refresh All
Search All
Search
Sites Drawer
(New items) (30)
(Flagged items)
Random People
Perl (3)
Tech News
Cool Stuff (2)
News (14)
Unofficial Ivan Basso Fan Page (2)
Mac (2)
Blogwatch (7)
CPAN Forum
Headlines
OrangeSquish


cmu-204629.wv.cc.cmu.edu:brian - ~
New Bookmarks Configure Customize Close
1: Default 2: Default
==========
brian_d_foy: Pittsburgh Perl Workshop on Google Earth
2006-09-22 18:06:57, 31082

I created a Google Earth file for the Pittsburgh Perl Workshop[0].
Chicago and Cleveland make it onto the map since my train goes through
those cities.
[0] http://www252.pair.com/comdog/google_earth/PittsburghPerlWorkshop.km
l
==========
pudge: Lost Dogs Concert Tonight
2006-09-22 20:22:12, 31083

Woot!
__Now Playing__: Lost Dogs[0] - Only One Bum In Corona Del
Mar[1]
byte 751

Start a Module

h2xs

ExtUtils::ModuleMaker

Module::Starter

mmm (Mark's Module Maker)

Module Cooker

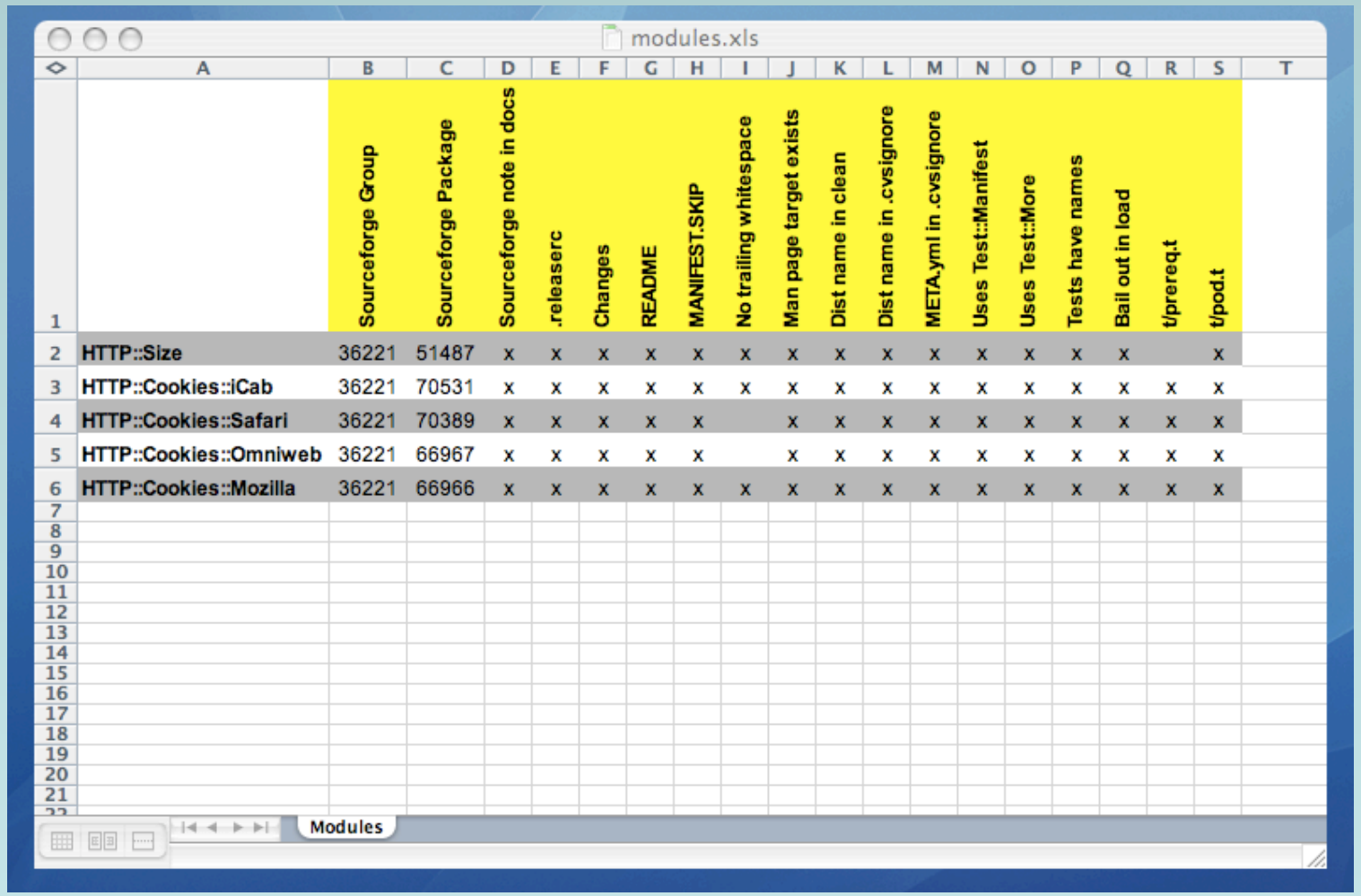
```
#!/usr/bin/perl

use Cwd;
use File::Spec;

my $module = $ARGV[0] || prompt( "Module name> " );
my $dist   = $module; $dist =~ s/::/-/g;
my $file   = $module; $file =~ s/.*::///; $file .= ".pm";

my $cwd    = File::Spec->catfile( cwd(), $dist );

system
        join " ",
        "/usr/local/bin/ttree"          ,
        "-s ~/.templates/modules"       ,
        "-d $cwd"                       ,
        "-define module='$module'"      ,
        "-define module_file='$file'" ,
```

Module Tester

daily_build

```
$ cat ~/module_list | xargs daily_build
Dev/Business/ISBN-Data ... No tests failed
Dev/Business/ISMN ... No tests failed
Dev/Business/USPS/WebTools ... Could not even run tests
Dev/Chemistry/Elements ... No tests failed
Dev/ConfigReader/Simple ... No tests failed
Dev/Data/Constraint ... No tests failed
Dev/File/Find/Closures ... No tests failed
Dev/HTML/SimpleLinkExtor ... No tests failed
Dev/HTTP/Size ... failed tests
```

module_checker



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1		Sourceforge Group	Sourceforge Package	Sourceforge note in docs	.releaserc	Changes	README	MANIFEST.SKIP	No trailing whitespace	Man page target exists	Dist name in clean	Dist name in .cvsignore	META.yml in .cvsignore	Uses Test::Manifest	Uses Test::More	Tests have names	Bail out in load	t/prereq.t	t/pod.t	
2	HTTP::Size	36221	51487	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	
3	HTTP::Cookies::iCab	36221	70531	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
4	HTTP::Cookies::Safari	36221	70389	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	
5	HTTP::Cookies::Omniweb	36221	66967	x	x	x	x	x		x	x	x	x	x	x	x	x	x	x	
6	HTTP::Cookies::Mozilla	36221	66966	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

release

Old Way

```
$ cvs update
$ make clean test disttest
$ vi Changes
. . .
$ cvs commit -m “. . .”
$ ftp pause.perl.org
ftp> . . .
$ lynx pause.perl.org
```

New Way

```
$ release
```

cpan

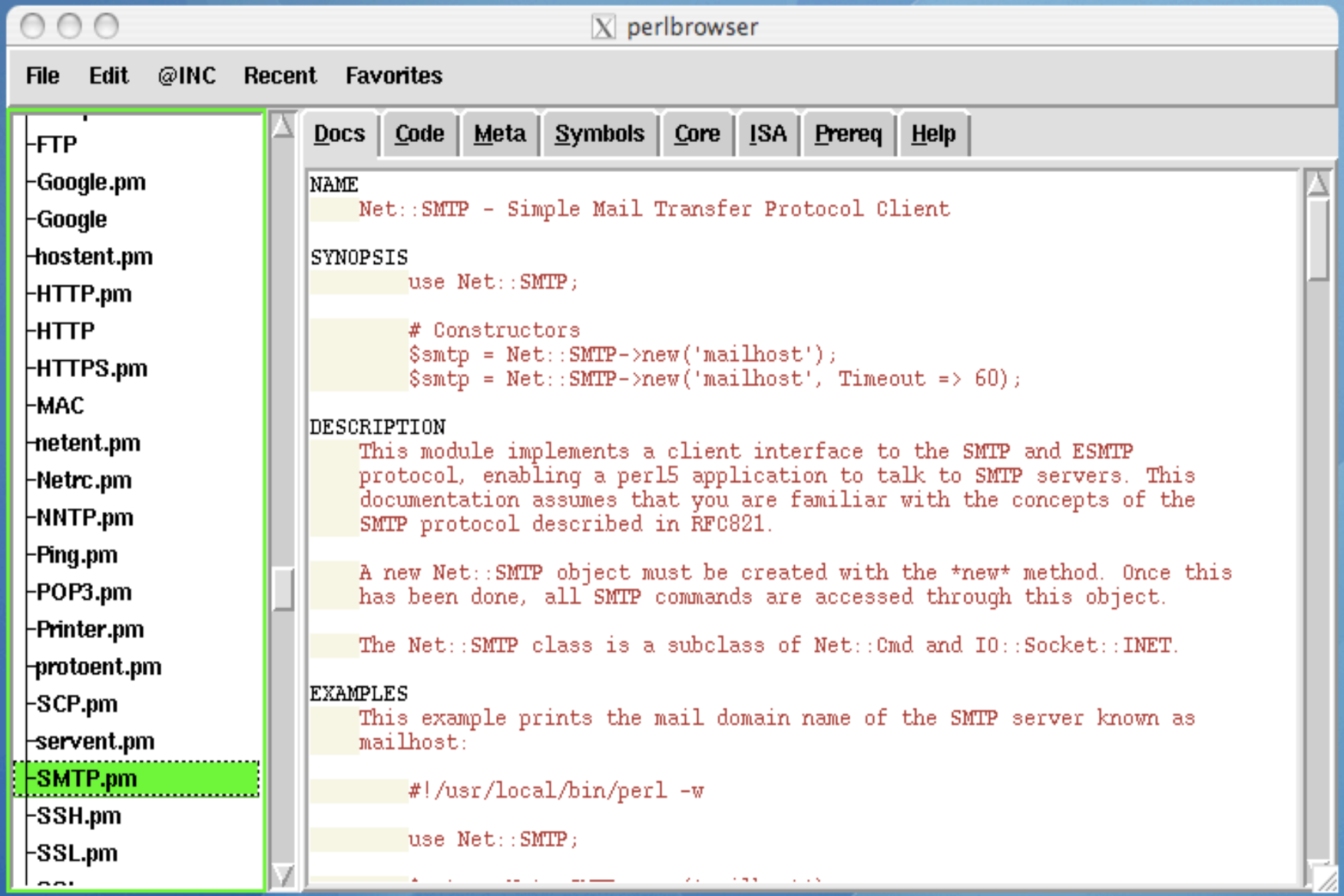
Old Way

```
$ perl -MCPAN -e shell
Terminal does not support AddHistory.

cpan shell -- CPAN exploration and
  modules installation (v1.7601)
ReadLine support available (try
  'install Bundle::CPAN')

cpan> install HTML::Parser HTTP::Size
```

New Way

```
$ cpan HTML::Parser HTTP::Size
```

perlbrowser


perlbrowser
File
Edit
@INC
Recent
Favorites
-FTP
-Google.pm
-Google
-hostent.pm
-HTTP.pm
-HTTP
-HTTPS.pm
-MAC
-netent.pm
-Netrc.pm
-NNTP.pm
-Ping.pm
-POP3.pm
-Printer.pm
-protoent.pm
-SCP.pm
-servent.pm
-SMTP.pm
-SSH.pm
-SSL.pm
Docs
Code
Meta
Symbols
Core
ISA
Prereq
Help
NAME
Net::SMTP - Simple Mail Transfer Protocol Client
SYNOPSIS
use Net::SMTP;
Constructors
$smtp = Net::SMTP->new('mailhost');
$smtp = Net::SMTP->new('mailhost', Timeout => 60);
DESCRIPTION
This module implements a client interface to the SMTP and ESMTP
protocol, enabling a perl5 application to talk to SMTP servers. This
documentation assumes that you are familiar with the concepts of the
SMTP protocol described in RFC821.
A new Net::SMTP object must be created with the *new* method. Once this
has been done, all SMTP commands are accessed through this object.
The Net::SMTP class is a subclass of Net::Cmd and IO::Socket::INET.
EXAMPLES
This example prints the mail domain name of the SMTP server known as
mailhost:
#!/usr/local/bin/perl -w
use Net::SMTP;

Summary

We think; computers do
Do it automatically
Do it repeatedly
Spend more time drinking beer