Your Amateur Radio Website

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Agenda

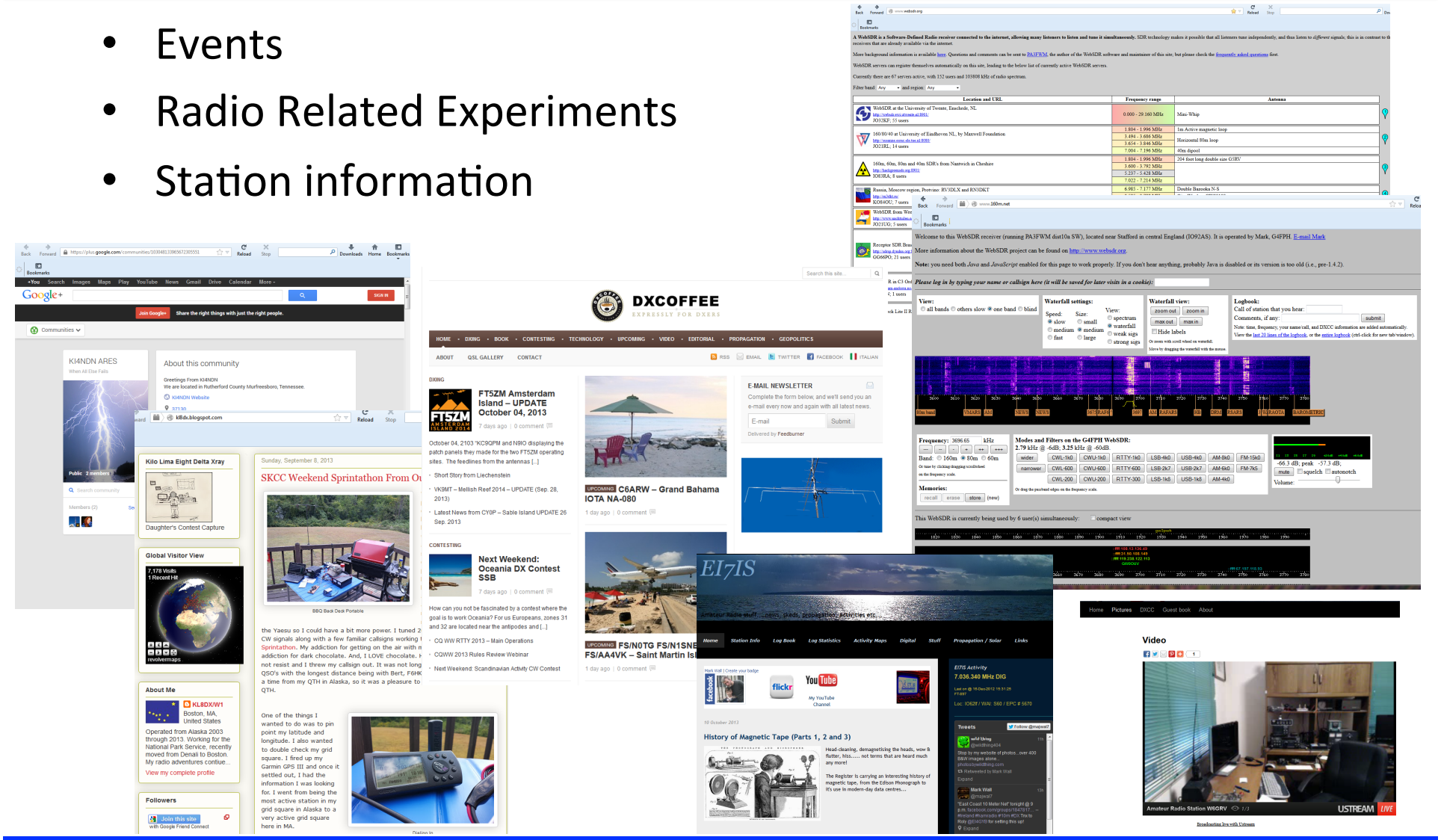
- Why & How to to begin
  - Why would you want a webpage?
  - How would you begin?
- Free web site options
- Paid web site options
- Open source content management systems (CMS)
- Building your site
- What else can you do
- Misc. information

Why would you want a web page?

- Put a face to your call sign
  - Many look you on the web during your contact
  - Place to tie together your radio & social media presence – On Air & Online
- Share your experience and knowledge with others
  - Hardware projects
  - Discuss current issues or challenges you have faced, and share how you resolved the problem
  - Become an online Elmer
- Visitor's Page
  - Share your station log
  - Guest book
  - Add a comment area to solicit thoughts from others (Engage your audience)
- Coordinate activities
  - Club meetings & events
  - Training & examinations
  - Emergency preparedness activities, status, & information

Examples of what others have done

- Events
- Radio Related Experiments
- Station information



Web Hosting Options

- **Free Options**
  - Pros:
    - Free
    - Many Options Available
  - Cons:
    - May have some limitations
- **Subscribed Web Host Provider**
  - Pros:
    - Your Domain Name
    - Less Limitations
  - Cons:
    - Cost
- **Run your own server**
  - Pros:
    - Completely under your control
  - Cons:
    - More knowledge & effort needed to setup & maintain

Examples of limitations:

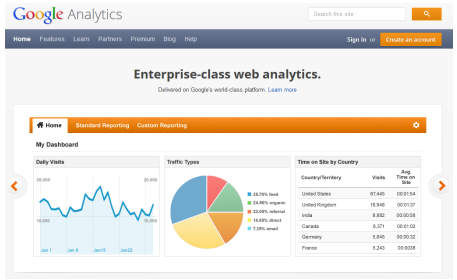
- Single page
- Their name in your URL
- Rights to posted material
- Only selected functionality
- No business related use
- Network traffic volume
- Storage volume
- One user login ID

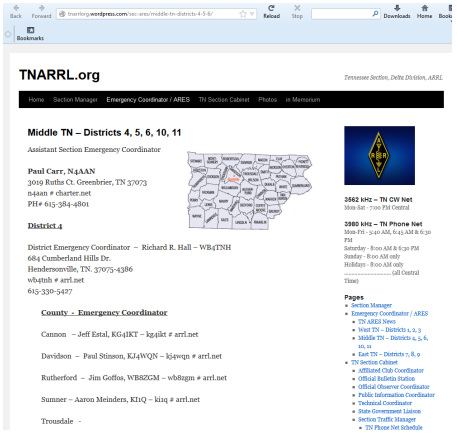
Examples of cost:

- Web host cost
- Domain name registration
- Network traffic volume
- Storage volume
- Special services (ex. Pop Email accounts)

QRZ.COM

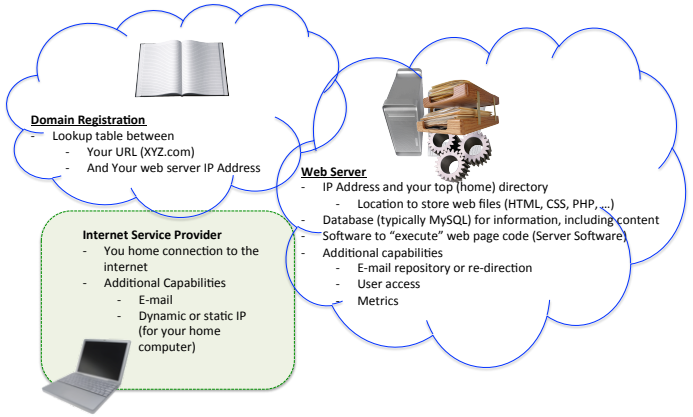
- QRZ.COM
  - Single Page, left justified
  - Includes the QRZ logbook
  - Can add pictures or web links
- Facebook
  - Share a picture or photo galleries
  - Post about your station or recent activities
  - Link to the Facebook pages of others
- Google Sites
  - Blogger
  - Many templates, including forms
    - → data to Google docs
  - Web site analytics
- WordPress.***COM***
  - Free WordPress site is for non-business use
  - Limited plugins, widgets, themes





Web Host - Parts

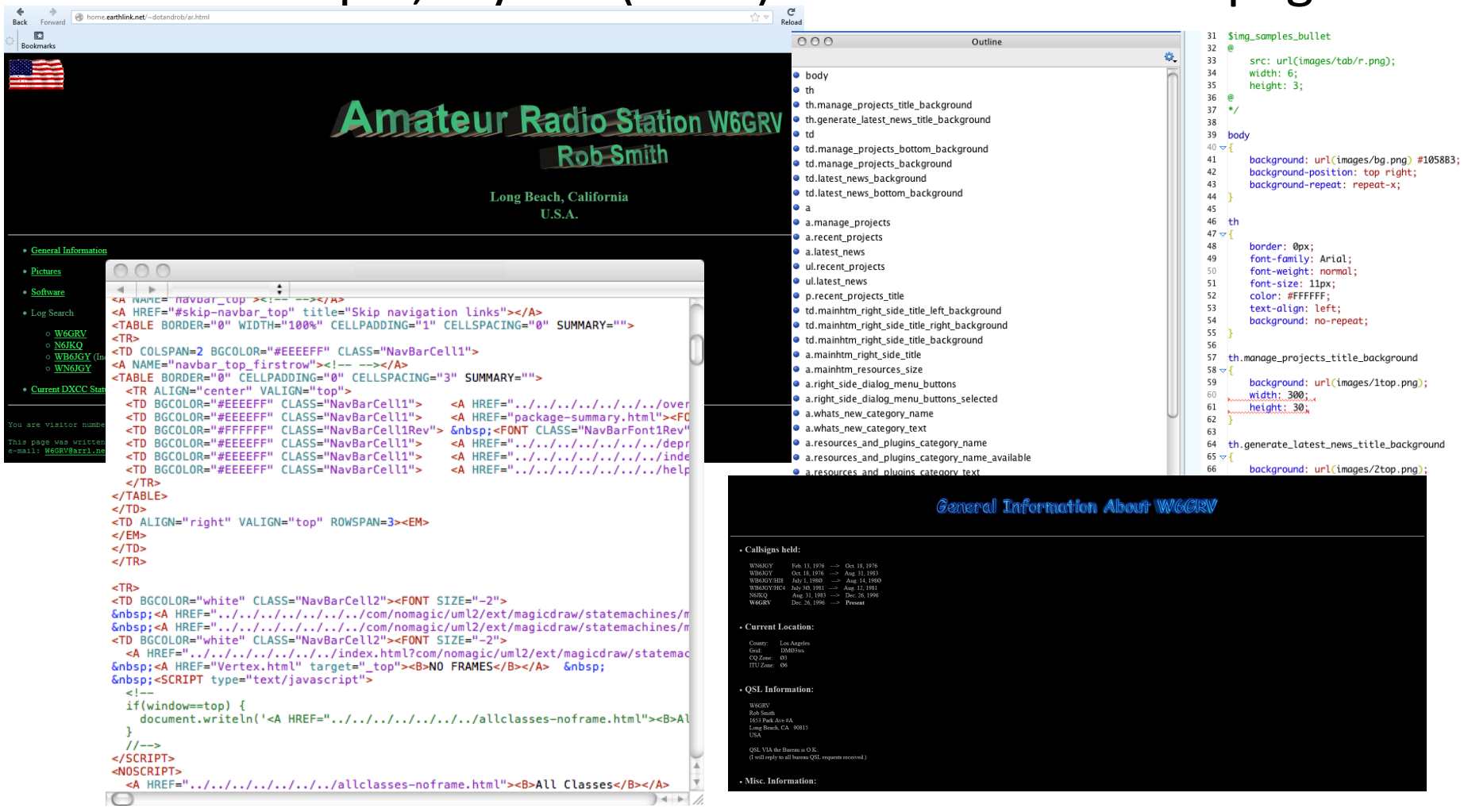
- Website
  - Place to store information (Files, data)
  - IP Address (static / dynamic)
  - Web server processes (WAMP/MAMP)
    - web server (Apache web server)
    - Database (MySQL database)
    - PHP (PHP software engine)
    - Other features (e-mail, statistics, redirecting, CMS, …)



- Domain Name Registration
  - IP Address (000.00.00.001:80)
  - File Location on server (z:/somedir/mywebsite)
  - URL (HTTP://W6GRV.COM)

HTML & CSS

- For example, my old (1991) Earthlink.net web page:



Content Management Systems

CMS - Open Source Comparison

Drupal	Joomla!	WordPress
• Designed for Business & Sales	• Designed for Social Media	• Designed for Writing
• Since: – Jan. 15, 2001	• Since: – Sept. 16, 2005	• Since: – May 27, 2003
• Strength – Very powerful – Tailor website to your very specific needs – Large & complex data – Advanced Capabilities	• Strength – Strong Social networking functionality – Can run multiple tasks – Compromise of complex development while still being somewhat user friendly	• Strength – No coding knowledge needed – Many themes and plugins available free – Easy to manage – Works well for sites with multiple users
• Weakness – Requires significant coding	• Weakness – Requires coding	• Weakness – Less capable for handling large complex data
• User Base – Smallest user base *(…but still good sized)*	• User Base – In between	• User Base – Largest User base

Installing a CMS (like WordPress)

- Obtain Web Host & Domain name registration
  - Some hosts do all the following for you via a step by step wizard
- From your web host administration page
  - Enable Database & update database password
  - Create a database for WordPress

Setting up and enabling the database has unique steps for each web host provider. Do a web search to find step by step instructions for your provider.

- From your computer
  - Download latest WordPress to to your local computer, and un-compress the file
  - Upload (ftp) WordPress files and directories to your web site
  - Using a web browser, go to your web site
    - Login

- From WP Dashboard
  - Update 'Users'
  - Click around to get familiar with the layout
- Begin designing your web site (using CMS interface)

WP Default Page

W6GRV Test Site

Just another WordPress site

Home | Sample Page

Hello world!

Posted on April 28, 2013 by rrs

Welcome to WordPress. This is your first post. Edit or delete it, then start blogging!

Posted in Uncategorized | 1 Comment | Edit

Search

Recent Posts
- Hello world!

Recent Comments
- Mr WordPress on Hello world!

Archives
- April 2013

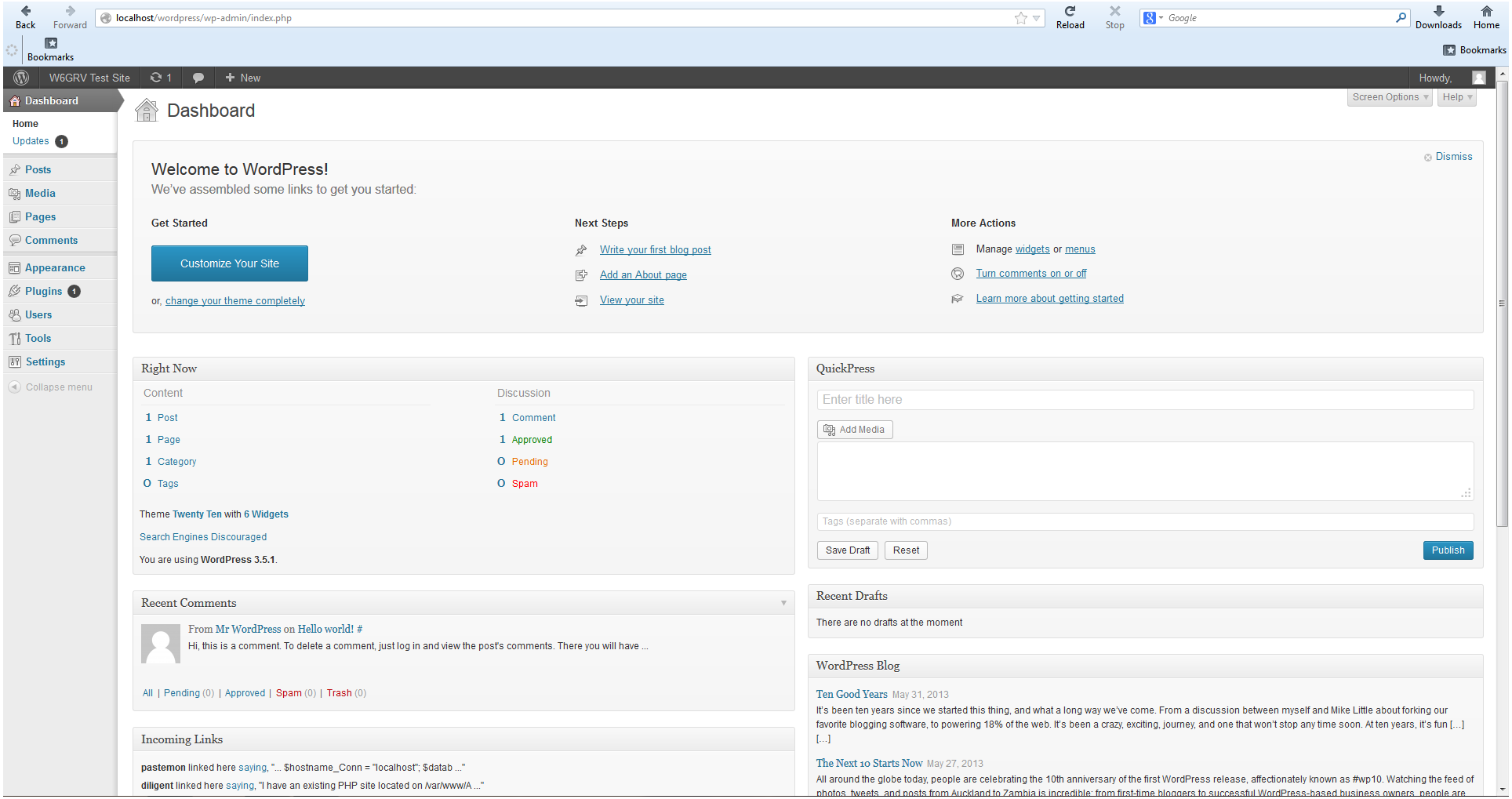
Categories
- Uncategorized

Meta
- Site Admin
- Log out
- Entries RSS
- Comments RSS
- WordPress.org

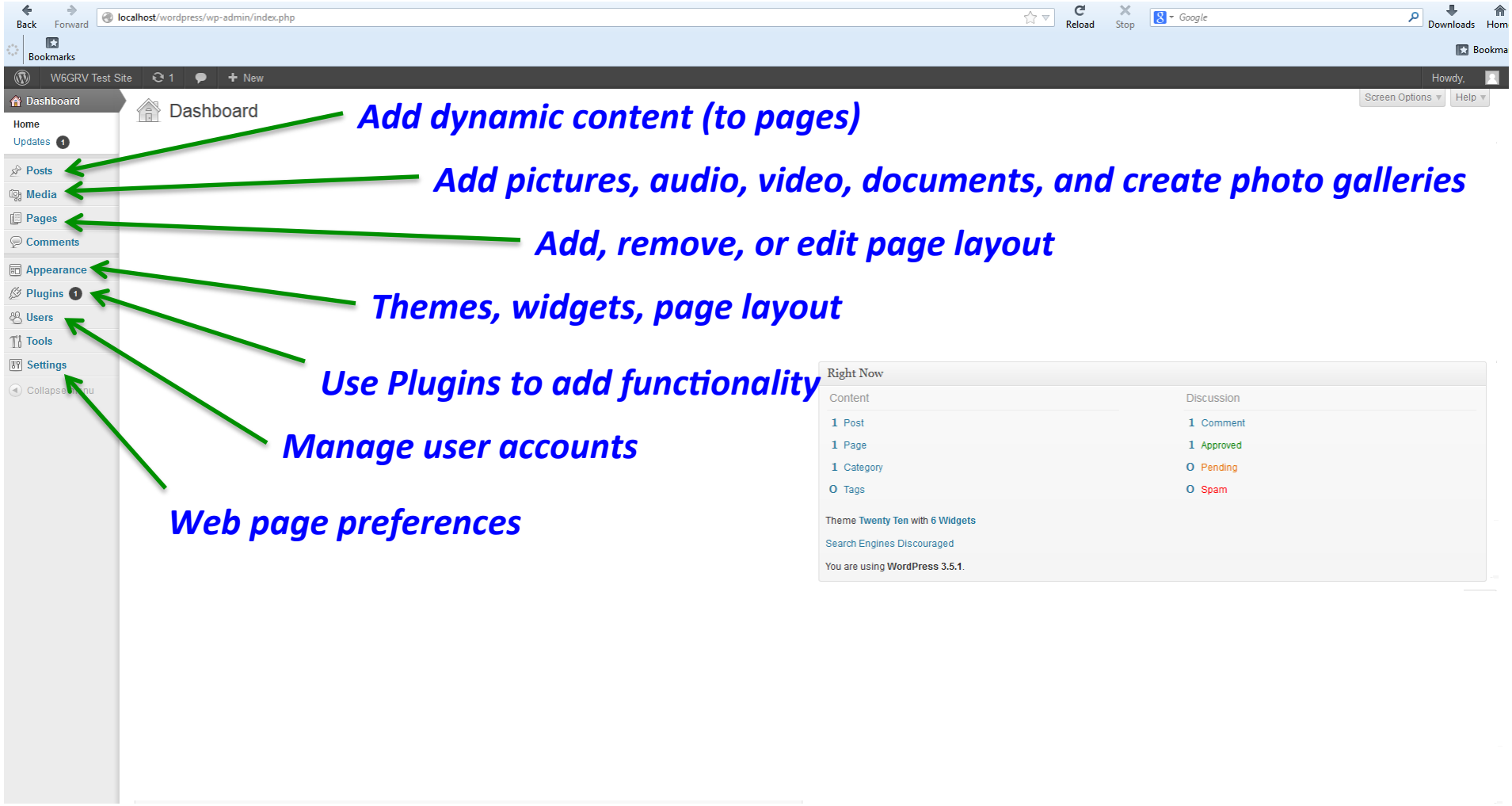
W6GRV Test Site

Proudly powered by WordPress.

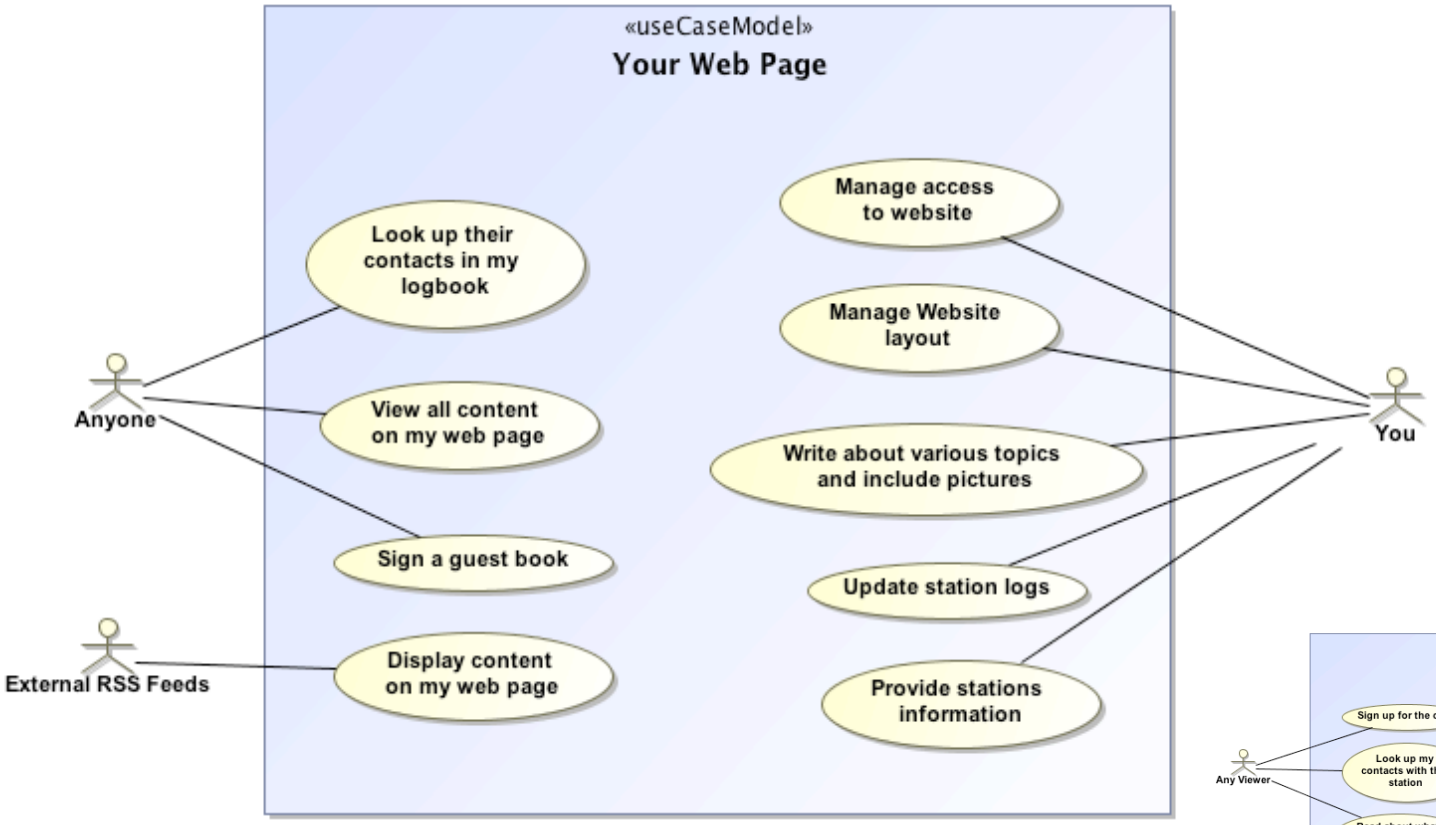
WP – Starting Configuration

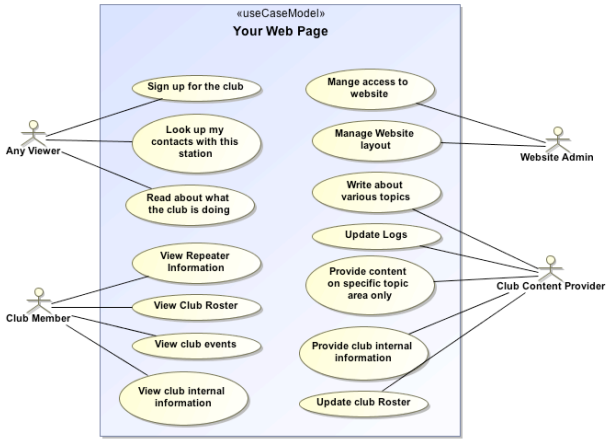


WP – Starting Configuration



Sketch Out How Website Will Be Used





Storyboard your pages

Landing Page (Home Page)

Static Page

Log Search
RSS: WX

RSS-Plugin: HF Conditions

Guest Book

Static Guest Book

HW Projects

Dynamic HW Blog

Local Events

Dynamic articles of activities

About

Static Station About Page

Station Awards Projects

Static List

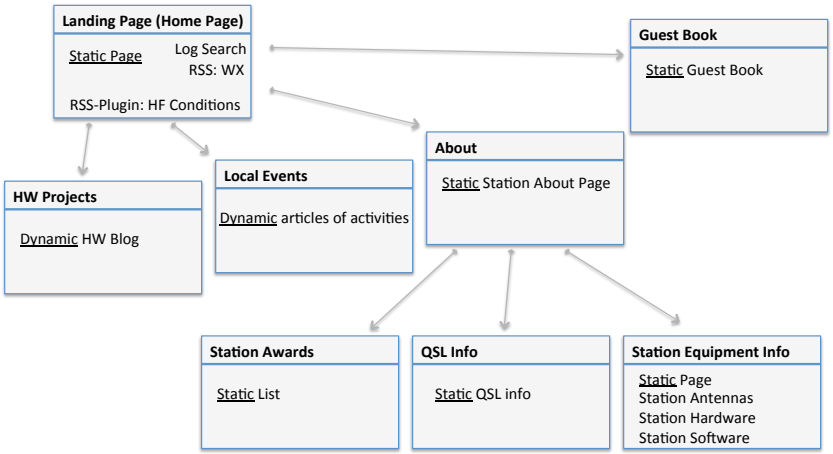
QSL Info

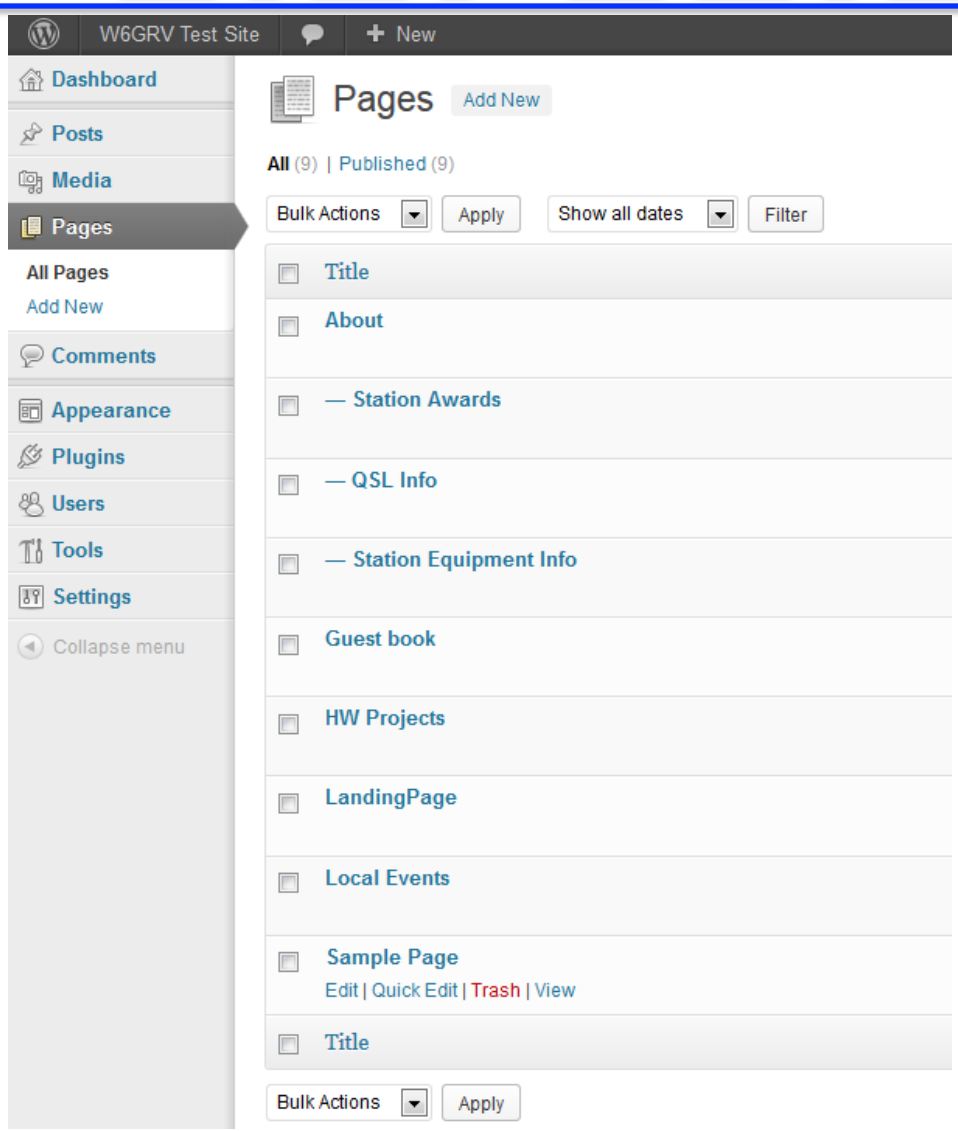
Static QSL info

Station Equipment Info

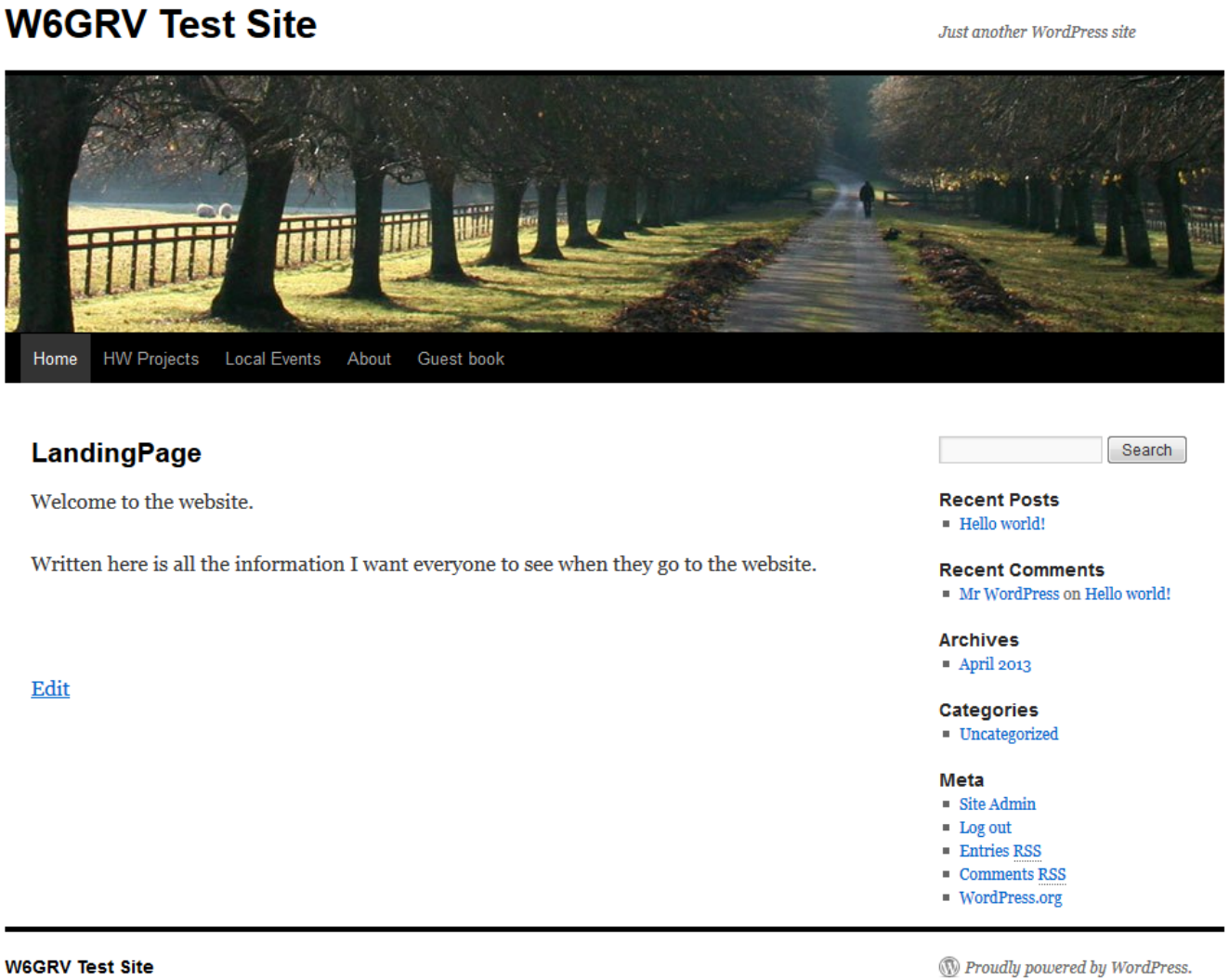
Static Page
Station Antennas
Station Hardware
Station Software

Setup Your Pages



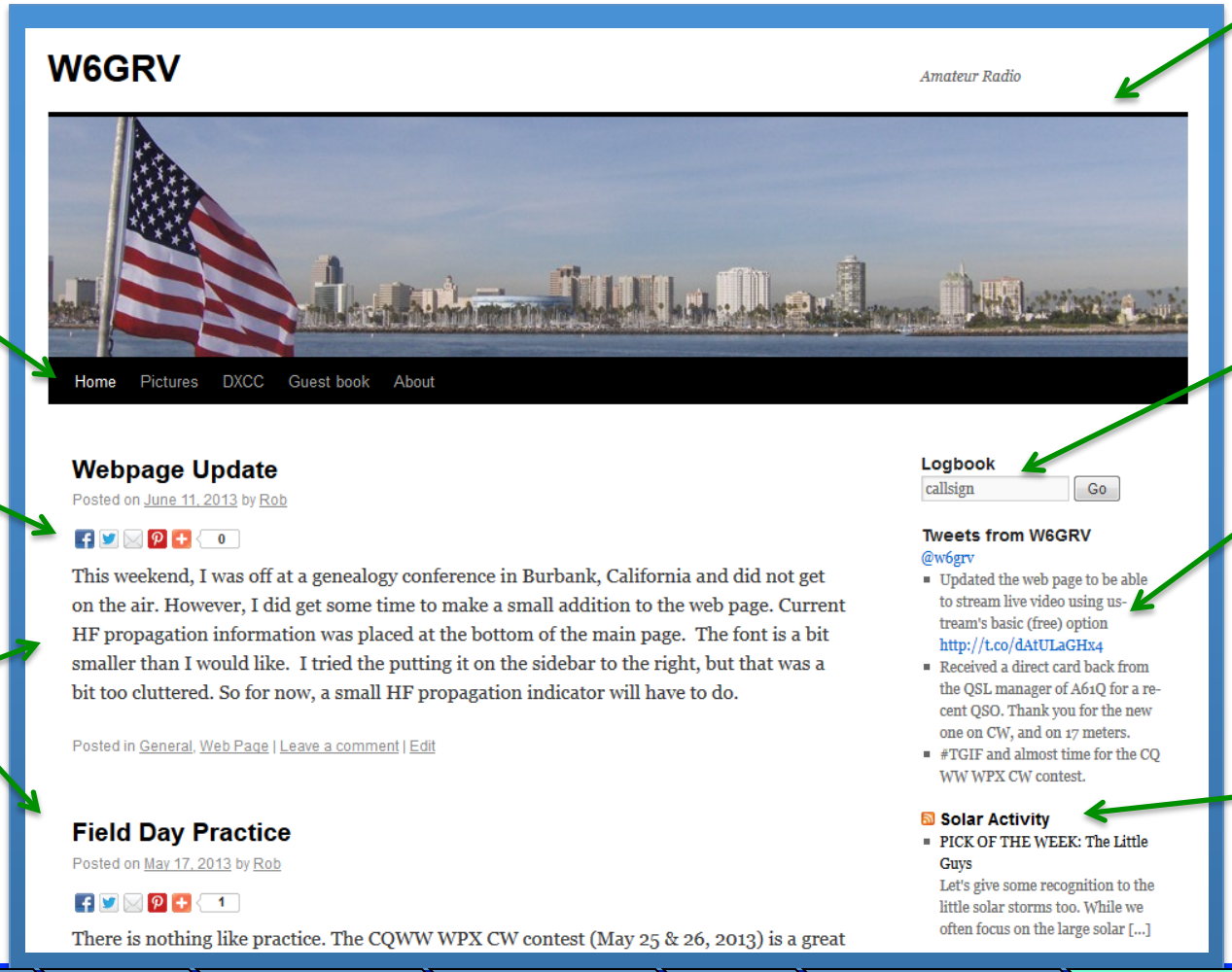


Basic Page Layout is Setup



W6GRV.COM

- Current web page :
  - Using Open Source WordPress.ORG



Picture of Long Beach Taken by W6GRV

Menu to pages

Station Log

Quick links to mentioning on social media

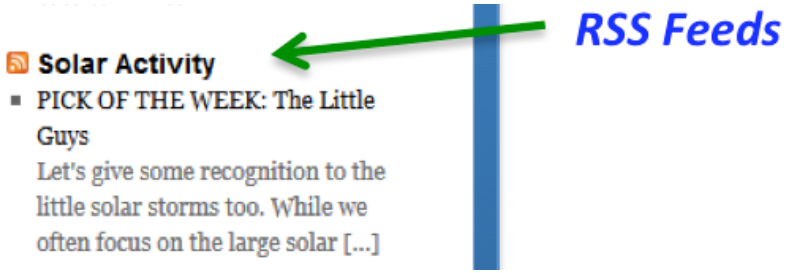
W6GRV Twitter Feed

Posted content

RSS Feeds

RSS

- Curator vs. Content provider



- Keeping your page fresh
  - Think about the web pages you visited today
  - Why did you go there?
  - Was there something new for you to see?

- Adding feeds to your web site

- Your web site can generate an RSS feed for others

  …/?feed=rss2 (*Common with many CMS*)

Station Log

W6GRV | New | Gallery

- Dashboard
- Posts
- Media
- Links
- Pages
- Comments
- Appearance
- Plugins
- Users
- Tools
- Settings
- Logbook
  - Logbook
  - Upload
  - Books
  - References
- Gallery
- PowerPress
- Collapse menu

10 References in database

Add new

ID	Reference	Reference Description
15	1	W6GRV Los Angeles County, CA
16	2	W6GRV Madera County, CA
17	3	N6JKQ Los Angeles County, CA
18	4	N6JKQ Madera County, CA
19	5	N6JKQ Hanford, Kings County, CA
20	6	N6JKQ/9 Ashland, WI
21	7	WB6JGY Madera County, CA
22	8	WB6JGY/HI8
23	9	WB6JGY/HC4
24	10	WN6JGY Madera County, CA

Logbook

callsign Go

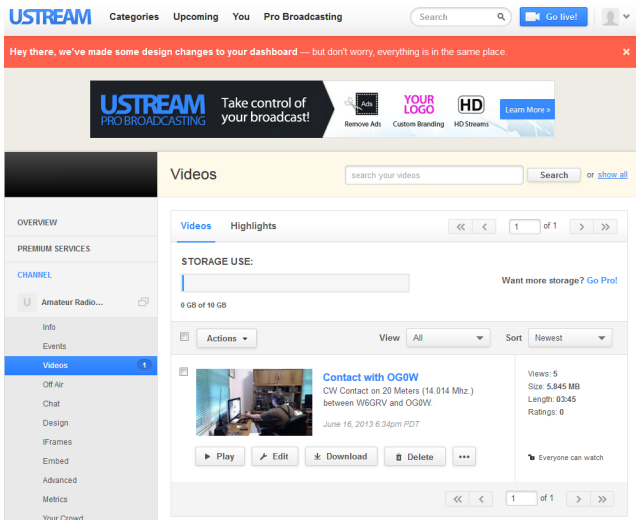
2 QSO's with w6vio

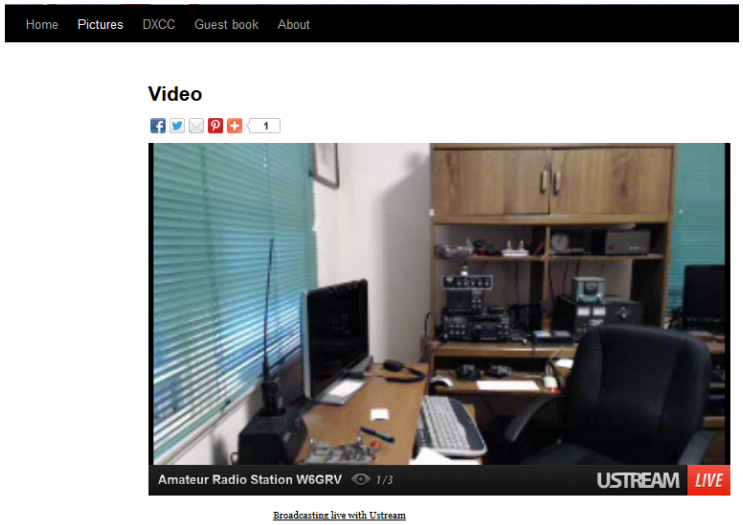
Date	Time	Callsign	Band	Mode	Reference Description
27.06.2010	16:58:00	W6VIO	15	CW	W6GRV Los Angeles County, CA
28.06.1992	17:02:00	W6VIO	15	SSB	N6JKQ Los Angeles County, CA

WordPress ADIF Log Search Widget

Live Video

- Setup a Video Stream Account
  - Like USTREAM or LiveStream
- Add their HTML code to your website to link to the live stream
  - Cut and paste to a page within your website
- Go live on streaming service, your website displays it





Additional Information

- Training
  - Lynda.com has training for
    - WP, Drupal, and Joomla
    - PHP & Java
    - HTML & CSS
  - YouTube has some instructional videos
    - See list on next page for WP training videos
    - Some of these may not be current
- CMS Websites
  - Drupal.ORG
  - WordPress.org & WordPress.com
  - Joomla.org

Free WordPress training on YouTube

- Overview & difference between dot-com and dot-org
  - http://www.youtube.com/watch?v=Fq39O_Rb-pY
- WP Tutorial Part 2 - Dashboard
  - http://www.youtube.com/watch?v=_hRg8Vucs6A
- WP Tutorial Part 3 - Posting
  - http://www.youtube.com/watch?v=kDMGjOQByIo
- WP Tutorial Part 4 - Edit Posts
  - http://www.youtube.com/watch?v=fHL4DPkYeSw
- WP Tutorial Part 5 - Tags and Categories
  - http://www.youtube.com/watch?v=hyFnL7M9_Mc
- WP Tutorial Part 6 - Links
  - http://www.youtube.com/watch?v=S9VAE_j-ZK4
- WP Tutorial Part 7 - Pages
  - http://www.youtube.com/watch?v=gUx8K0VK-1M
- WP Tutorial Part 8 - Comments
  - http://www.youtube.com/watch?v=avdEdlVF4tc
- WP Tutorial Part 9 - Themes
  - http://www.youtube.com/watch?v=aTOY-pJPyCw
- WP Tutorial Part 10 - …
  - No longer exists.
- WP Tutorial Part 11 - Widgets
  - http://www.youtube.com/watch?v=5eSTubKwau0
- WP Tutorial Part 12 - Editors
  - http://www.youtube.com/watch?v=FLecpNrTkyw
- WP Tutorial Part 13 - Plugins
  - http://www.youtube.com/watch?v=MQ6mpktVxFE
- WP Tutorial Part 14 - Tools
  - http://www.youtube.com/watch?v=w8XpwLhrvbQ
- WP Tutorial Part 15 - Users
  - http://www.youtube.com/watch?v=Rx2IXJzGk48
- WP Tutorial Part 16 - General Settings
  - http://www.youtube.com/watch?v=Sl9tg90v2D8
- WP Tutorial Part 17 - Writing Settings
  - http://www.youtube.com/watch?v=_6qqkk2fYpE
- WP Tutorial Part 18 - Reading Settings
  - http://www.youtube.com/watch?v=a-KE0eQLDCc
- WP Tutorial Part 19 - Discussion Settings
  - http://www.youtube.com/watch?v=ZfJlz7r22C8
- WP Tutorial Part 20 - Permalinks
  - http://www.youtube.com/watch?v=5Lfk5xPxJ0I
- WP Tutorial Part 21 - Misc
  - http://www.youtube.com/watch?v=DfTjp9Bq1gU
- WP Tutorial Part 22 - Media
  - http://www.youtube.com/watch?v=jnctIUBgEZU
- WP Tutorial Part 23 - Neat Tricks
  - http://www.youtube.com/watch?v=BX1Y6AWKch4
- Install WordPress with your provider
  - http://www.youtube.com/watch?v=Oiov0L4blIw

Backup

Conclusion

- You do not need to know HTML, CSS, or PHP to have your own fun &informative website
- Share your experiments with others, and engage them in a dialog about the topic
- Social Media can add a face to your callsign
- Create your initial presence, and grow it over time
- Many options exist for creating **your** website

Branding

- Branding – where your online presence consistently matches your brand name.
  - Your brand can be your call sign or club name

- Before you signup
  - What Screen Name (*Brand*) do you want
  - Is your brand available where you want your presence
    - Web domain name, Facebook, Twitter, e-mail, Ustream, …

- Lock in your brand
  - Sign up for the desired social media venues

Web Hosting Options

- Free Options – *with Limitations*
  - QRZ.COM
  - facebook
  - BlogSpot
  - Google sites
  - WordPress.COM
- Other Options - *with a Cost*
  - Web host (numerous providers; could run your own server)
    - HTML & CSS
      (DreamWeaver / MS Front Page / BootStrap 3)
    - Web host provided – Content Management System
    - Open Source website Content Management System
      - Joomla!®
      - Drupal™
      - WordPress.ORG

Examples of limitations:

- Single page
- Their name in your URL
- Rights to posted material
- Only selected functionality
- No business related use
- Network traffic volume
- Storage Volume
- One user login ID

Examples of cost:

- Web Host Cost
- Domain Name Registration
- Network Traffic Volume
- Storage Volume
- Special services (ex. Pop Email accounts)

Drupal

Get Started | Community | Documentation | Support | Download & Extend | Marketplace | About

Drupal™

Search drupal.org | Search

Refine your search

Drupal Homepage | Log in / Register

Get Started with Drupal

1 Download Drupal

Drupal core contains the essential building blocks providing you a flexible foundation to get started with Drupal. You'll also need a web hosting provider.

Download Drupal 7.22

Drupal distributions provide pre-configured installations, allowing you to quickly setup a fully featured Drupal site.

Find a Distribution

2 Extend Drupal

Download hundreds of modules to customize and extend your site.

Most popular modules
Views
Token
Chaos tool suite (ctools)
Pathauto

All modules

Most popular themes
Zen
Omega
AdaptiveTheme
Fusion

All themes

Translations
Catalan
French
Hungarian
Dutch

All translations

3 Documentation

Want more information before you begin using Drupal? Our extensive documentation will tell you how.

Most popular guides
Installation guide
Site building guide
Theming guide
Understanding Drupal
Structure guide

All documentation

Drupal books

There are many Drupal books available.

4 Get Support

Ask questions and g
answers in our forur

Get quick responses
friendly chat in the I
channels.

Visit the Marketplac
professional Drupal
and great Drupal ho

Find more ways to c
on the Community a
Support page.

Drupal Case Studies

Featured showcase | Community showcase

Georgia.gov

1 2 3 4

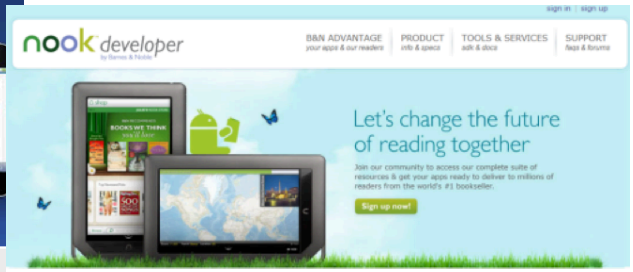
myhealth London

Categories: Healthcare

Top7news

Categories: Media

Joomla!

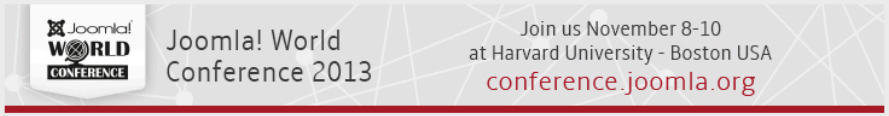


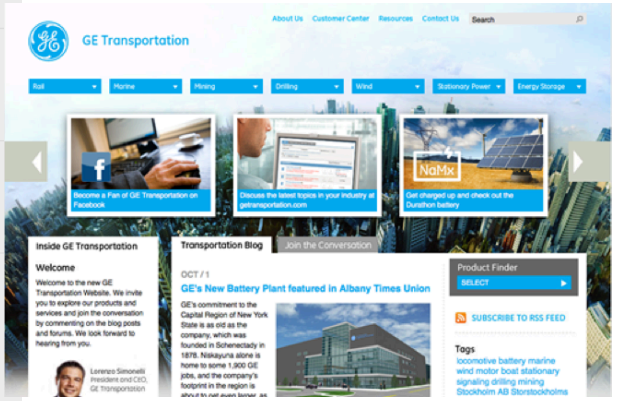
JOOMLA ANNOUNCEMENTS

Joomla Community Magazine | September 2013
The September issue of the Joomla Community Magazine is here! Our stories this month: Editors Introduction Time to Hit the Road Running!, by Dianne Henning Feature Stories Joomla!Day Kenya 2013 - Asante Kenya!, by Ruth Cheesley Interview of the...

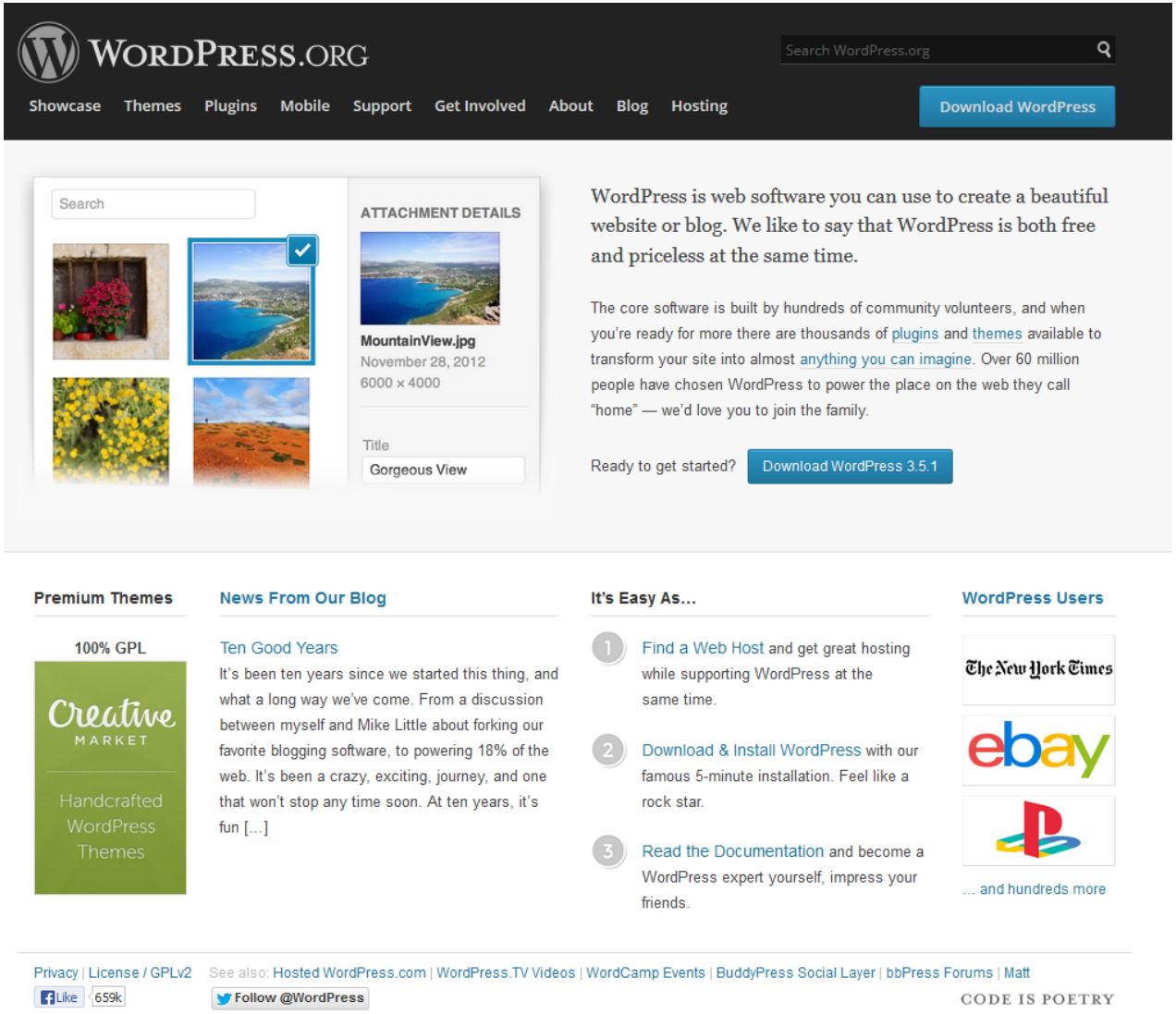
Joomla Community Magazine | August 2013
The August issue of the Joomla Community Magazine is here! Our stories this month: Editors Introduction Bio Feedback, by Alice Grevet Google Summer of Code New Look Template Manager - Project Update, by Ram Tripathi Feature Stories The Telescopic CMS:...

Joomla! 3.1.5 Stable Released
The Joomla Project is pleased to announce the immediate availability of Joomla 3.1.5. This is a security release addressing a critical level security issue. The Production Leadership Team's goal is to continue to provide regular,...

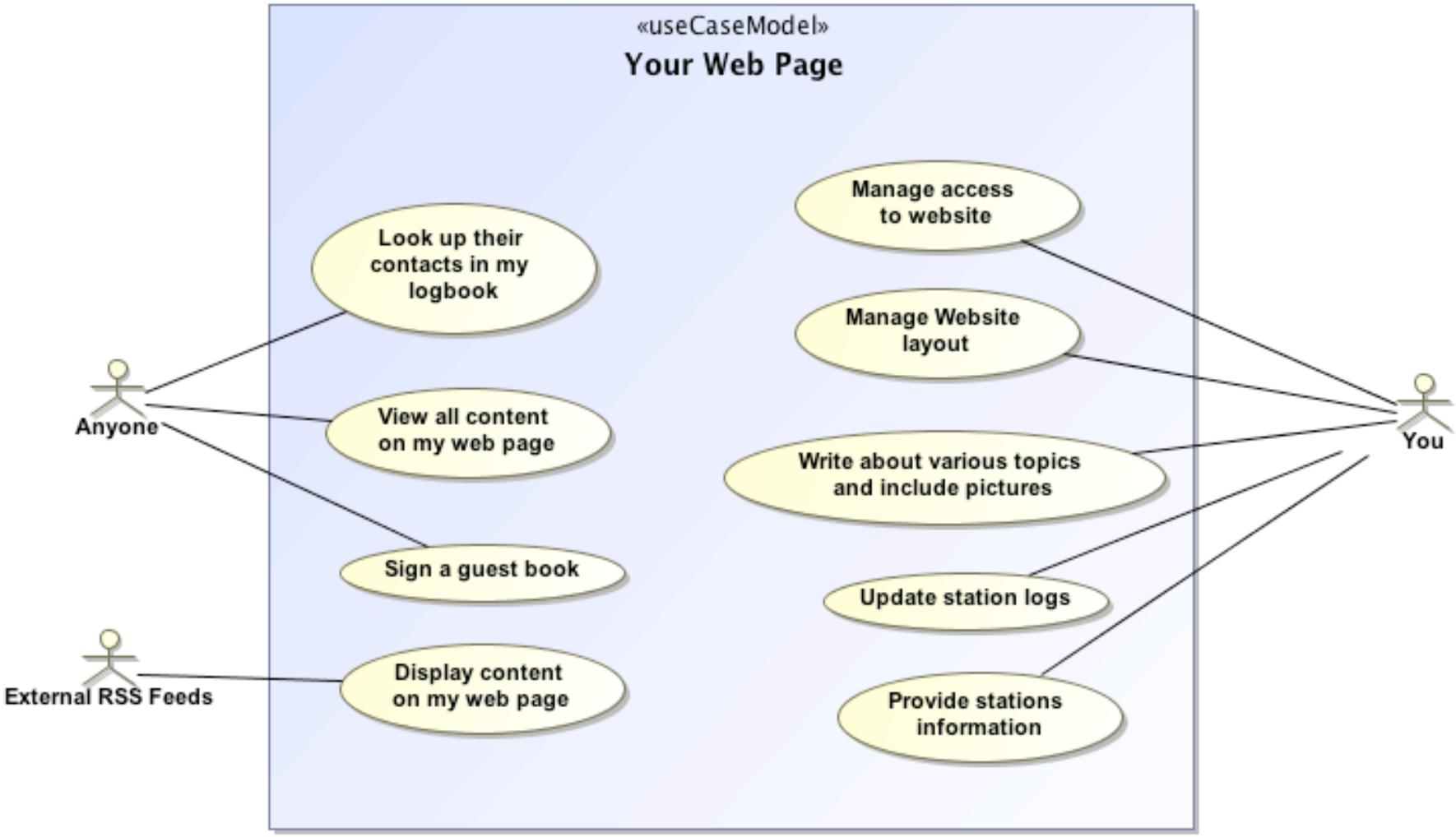




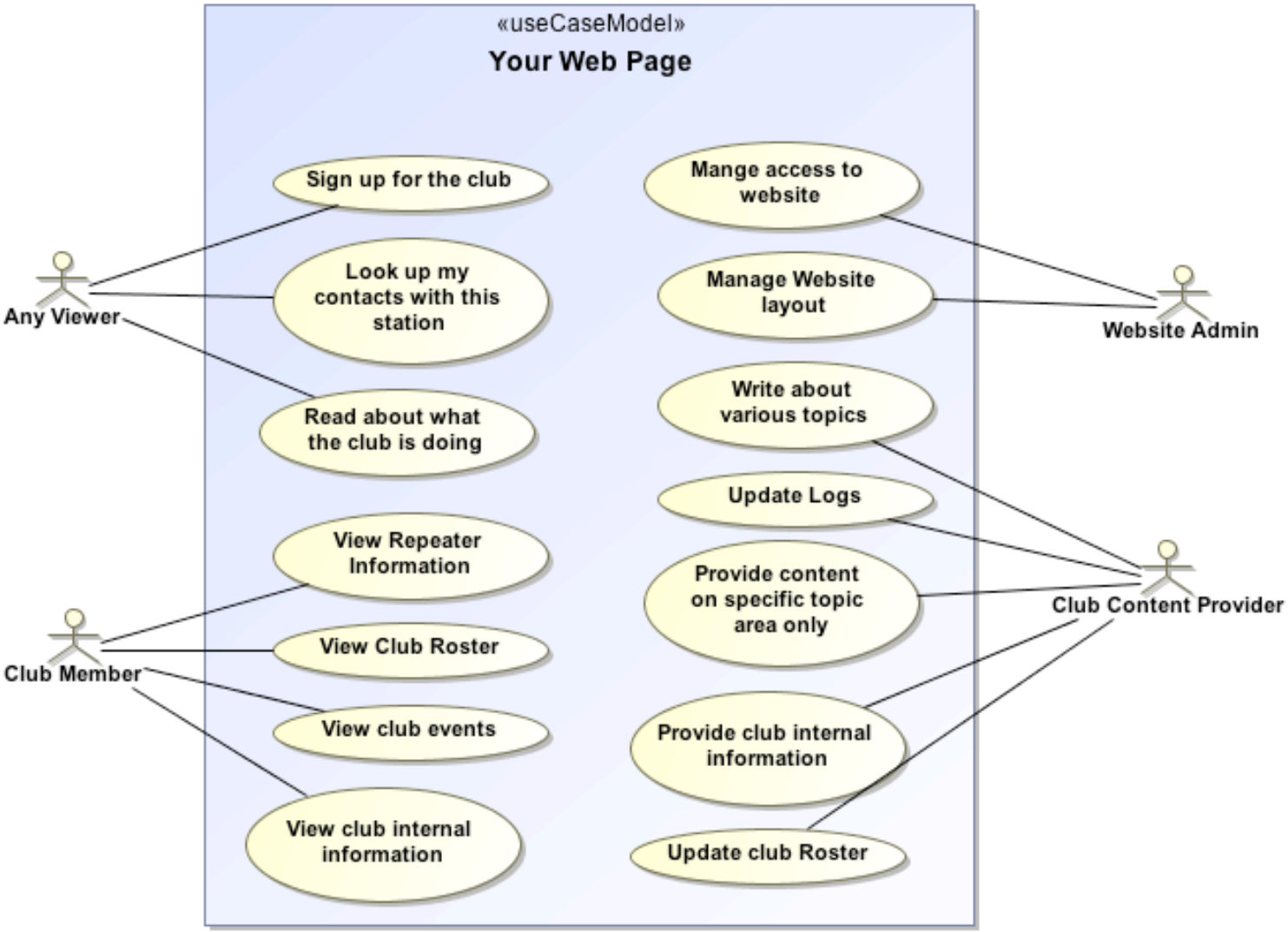
WordPress.org



Sketch Out How Your Website Will Be Used



Sketch Out How a Club's Website Will Be Used



Pages vs. Posts

Page:

HW Projects

Dynamic HW Blog

[List Content = category 3, show 2]

HTML - *Under the hood…*
Tells the web host to display
My content type "3"
and display the last 2.

Categories:
_0_ None / Default
_1_ Awards
_2_ Local Events
_3_ Hardware Projects
_4_ Software Projects
_5_ …

Post:

Day 1

Building My HF Rig
Words and pictures for building my HF rig.

_3_ Hardware Projects

Day 2

Digital COMM
Words and pictures for how to use PSK-31.

_3_ Hardware Projects

Day 3

A Day at the Marathon
Words and pictures about what your experience.

_2_ Local Events

Day 4

Building a helix antenna
Words and pictures for the training event on how to build new satellite antenna.

_2_ Local Events
_3_ Hardware Projects