Contributing Back to WordPress
In 2014 Matt said...

Organisations... should dedicate 5% of their people to working on something to do with core

https://ma.tt/2014/09/five-for-the-future/
Individually?

WordPress gives us..

• A Voice
• A Career
• An Income
• A Place to Learn New Skills
• A Community
• Long-lasting Friendships and Business Colleagues
In 2014 Matt said...

..whatever it might be that helps move WordPress mission forward

https://ma.tt/2014/09/five-for-the-future/
"It is vital for the future success of WordPress to have a healthy group of contributors."
Welcome to Trac – enhanced wiki and issue tracking system

- Follow development timeline
- Contribute to a ticket

If you are new

- Find some “First Good Bugs”
  - [core.trac.wordpress.org/tickets/good-first-bugs](http://core.trac.wordpress.org/tickets/good-first-bugs)

Refs: [make.wordpress.org/core](http://make.wordpress.org/core)  [make.wordpress.org/core/handbook](http://make.wordpress.org/core/handbook)
Contribute to Core

Timeline

10/20/2018: Today

04:20 Changeset [43774] by SergeyBiryukov
REST API: Restore Autosaves controller test for multisite. PHPUnit ...

10/19/2018: Yesterday

23:42 Ticket #45119 (Add a way to build packages scripts to `/src` folder.) reopened by netweb
Running `grunt precommit` currently from the 5.0 branch fails `grunt ...

18:52 Ticket #43757 (`WP_REST_Attachments_Controller` includes entire admin includes for a ...) closed by danielbachhuber
fixed: In `43773`: [...]

18:52 Changeset [43773] by danielbachhuber
REST API: Limit the scope of wp-admin files required in ...

18:40 Changeset [43772] by danielbachhuber
Help/About: Ensure the space after the period for the 4.9.8 changelog ...

18:38 Ticket #44717 (Missing space in changelog on about.php) reopened by danielbachhuber
[43622] needs backport against 5.0
## Unclaimed — jump right in!

<table>
<thead>
<tr>
<th>Ticket</th>
<th>Summary</th>
<th>Component</th>
<th>Milestone</th>
<th>Type</th>
<th>Modified</th>
<th>Workflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>#44850</td>
<td>incorrect DocBlock for set-screen-option filter</td>
<td>Administration</td>
<td>5.1</td>
<td>defect (bug)</td>
<td>10/13/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#44560</td>
<td>Console warning because <code>build/.../underscore.min.js</code> references <code>sourceMapURL</code> that doesn't exist</td>
<td>Build/Test Tools</td>
<td>Awaiting Review</td>
<td>defect (bug)</td>
<td>08/10/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#44664</td>
<td>Twenty Fourteen: Video play icon alignment</td>
<td>Bundled Theme</td>
<td>5.0.1</td>
<td>defect (bug)</td>
<td>10/15/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#36346</td>
<td>Twenty Sixteen/Fifteen/Thirteen/Twelve titles can lead to horizontal scrolls</td>
<td>Bundled Theme</td>
<td>Future Release</td>
<td>defect (bug)</td>
<td>04/26/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#43586</td>
<td>Minor UI adjustments to the Author box in the Edit Comment screen</td>
<td>Comments</td>
<td>5.1</td>
<td>enhancement</td>
<td>10/13/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#44083</td>
<td>Add action to wp_mkdir_p() when directory is created successfully</td>
<td>Filesystem API</td>
<td>Awaiting Review</td>
<td>enhancement</td>
<td>07/12/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#44360</td>
<td>Missing translators comment need to be added</td>
<td>General</td>
<td>5.1</td>
<td>enhancement</td>
<td>10/15/2018</td>
<td>needs-patch</td>
</tr>
<tr>
<td>#43542</td>
<td>Duplicate MIME-Version header</td>
<td>Mail</td>
<td>Awaiting Review</td>
<td>defect (bug)</td>
<td>06/27/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#43904</td>
<td>Media toolbar spacing inconsistent across views</td>
<td>Media</td>
<td>Awaiting Review</td>
<td>defect (bug)</td>
<td>06/27/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#40370</td>
<td>add_image_sizes does not create the “crop position” versions of the image</td>
<td>Media</td>
<td>Future Release</td>
<td>enhancement</td>
<td>10/13/2018</td>
<td>needs-patch, needs-unit-tests</td>
</tr>
<tr>
<td>#45061</td>
<td>Document how args are passed from <code>wp_insert_site()</code> to <code>wp_initialize_site()</code></td>
<td>Media</td>
<td>Future Release</td>
<td>defect (bug)</td>
<td>10/06/2018</td>
<td>needs-patch</td>
</tr>
<tr>
<td>#44042</td>
<td>Hook for 'delete_option' behaviour required</td>
<td>Networks and Sites</td>
<td>5.1</td>
<td>enhancement</td>
<td>07/16/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#44708</td>
<td>Coding consistency, seeing both $request and $request_data</td>
<td>Options, Meta APIs</td>
<td>Future Release</td>
<td>defect (bug)</td>
<td>10/13/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#44305</td>
<td>The 'fields' query parameter for WP_Query supports only a string</td>
<td>Query</td>
<td>Future Release</td>
<td>defect (bug)</td>
<td>06/27/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#43502</td>
<td><code>WP_REST_Posts_Controller::prepare_item_for_response()</code> doesn't reset postdata after calling setup_postdata()</td>
<td>REST API</td>
<td>Future Release</td>
<td>defect (bug)</td>
<td>08/29/2018</td>
<td>needs-patch, needs-unit-tests</td>
</tr>
<tr>
<td>#41554</td>
<td>REST API: Use <code>wp@apiRequest</code> helper to build URLs for media embed requests</td>
<td>REST API</td>
<td>Awaiting Review</td>
<td>enhancement</td>
<td>04/08/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#44821</td>
<td>Add filter for custom taxonomy per page value in <code>WP_Term_List_Table</code></td>
<td>Taxonomy</td>
<td>5.0.1</td>
<td>enhancement</td>
<td>10/08/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#43060</td>
<td>register taxonomy should accept a label to affect the description under each field on the Add Tag form</td>
<td>Taxonomy</td>
<td>Awaiting Review</td>
<td>enhancement</td>
<td>09/09/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#44878</td>
<td>“Are you sure” messaging is inconsistent</td>
<td>Text Changes</td>
<td>Future Release</td>
<td>enhancement</td>
<td>09/27/2018</td>
<td>has-patch</td>
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## Tickets with a contributor working on them.

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<tr>
<td>#44209</td>
<td>Admin Menu SVG icon colour wrong in Default colour scheme</td>
<td>Administration</td>
<td>5.0.1</td>
<td>defect (bug)</td>
<td>10/08/2018</td>
<td>has-patch</td>
</tr>
<tr>
<td>#42254</td>
<td>Duplicate news entries in Events &amp; News dashboard widget</td>
<td>Administration</td>
<td>5.1</td>
<td>defect (bug)</td>
<td>10/12/2018</td>
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</tbody>
</table>

@DeveloperWil  #WCBNE
Contribute to Core

Add action to `wp_mkdir_p()` when directory is created successfully

<table>
<thead>
<tr>
<th>Reported by:</th>
<th>Reported by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>johnjamesjacobby</td>
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<table>
<thead>
<tr>
<th>Owned by:</th>
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<th>Milestone:</th>
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<tbody>
<tr>
<td>normal</td>
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<tr>
<th>Severity:</th>
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<td>normal</td>
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<th>Version:</th>
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<tr>
<td>2.0.1</td>
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<td>Filesystem API</td>
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<th>Keywords:</th>
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<td>good-first-bug</td>
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</tr>
<tr>
<td>has-patch</td>
<td>has-patch</td>
</tr>
<tr>
<td>needs-refresh</td>
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Description (last modified by johnjamesjacobby)

It would be nice if the `wp_mkdir_p()` function contained a hook for plugins to interact with when a directory gets created.

The use-case I have currently is that Easy Digital Downloads (for example) creates `.htaccess` files and empty `index.php` files in its own `uploads/edd` directory, and each directory inside it, as one way of protecting those empty directories from being publicly browsable.
Contribute to Core

The process (high-level):

Build and configure local dev site

- Download WordPress from Subversion (SVN) repo
- Build site from /src/ using Node.js, npm and Grunt
- Configure site in /build/
- Clean SVN with diff, revert, up, grunt
- Apply a patch file from the ticket if there is one
  - patch -p0 < 44360.1.patch

Ref: deliciousbrains.com/developers-guide-contributing-wordpress-core/
Contribute to Core

The process (high-level):
Development & Testing
  – Apply your code and test with PHPUnit
  – Create a patch file with SVN diff > 44360.2.patch
Attach patch on updated Trac ticket and submit
Clean SVN ready for next ticket

Ref: deliciousbrains.com/developers-guide-contributing-wordpress-core/
Contribute to Gutenberg

WordPress consumes Gutenberg packages which are all managed by GitHub

github.com/WordPress/gutenberg

Ref: deliciousbrains.com/developers-guide-contributing-wordpress-core/
Contribute to Core

Join core-related channels on slack

- #core
- #core-js
- #core-editor
- #core-php
- #core-restapi

Channels you can join

# core-bootstrap
Bootstrap/Load component
Created by helen on February 23rd, 2017

# core-coding-standards
Discussing and furthering WordPress Coding Standards.
Created by pento on June 17th, 2017

# core-comments
Created by sam on May 5th, 2016

# core-commits
All commits to WordPress core are piped here. READ ONLY CHANNEL. Use #core for discussions.

Ref: make.wordpress.org/chat

@DeveloperWil #WCBNE
Extending functionality, embracing new technology and designs
Plugin Dev

• New services and APIs to integrate with
• New ways that users want to interact with
• Unique/niche functionality requirements
• Compliment new core functionality
• Submit plugin zip for review to include in SVN repo
  – developer.wordpress.org/plugins/wordpress-org

Ref: make.wordpress.org/plugins #pluginreview
Ref: make.wordpress.org/core/handbook/best-practices/coding-standards

@DeveloperWil #WCBNE
Theme Dev

- New devices
- New design concepts
- Unique/niche design requirements
- Submit theme zip **for review** to include in Directory
  - Theme Check Plugin
    [wordpress.org/plugins/theme-check](https://wordpress.org/plugins/theme-check)
  - Theme Upload
    [wordpress.org/themes/getting-started](https://wordpress.org/themes/getting-started)

Ref: [make.wordpress.org/themes](https://make.wordpress.org/themes) #themereview

Ref: [make.wordpress.org/themes/handbook/review/required](https://make.wordpress.org/themes/handbook/review/required)
“Raising the quality of the WordPress user experience”
• Automated unit testing
  – QUnit (JavaScript), PHPUnit (testing & writing new)
• Beta testing pre-release versions
  – Plugin: wordpress.org/extend/plugins/wordpress-beta-tester
• User Testing
  – UI, Gutenberg
  – Features: make.wordpress.org/core/features

Ref: make.wordpress.org/test #core-test
Ref: make.wordpress.org/core/handbook/testing
The Theme Review team maintains the official Theme Review Requirements, the Theme Unit Test Data, and the Theme Check Plugin.”

“The team is open to anyone..”

Ref: make.wordpress.org/themes/handbook/get-involved/become-a-reviewer
Accessibility

“..expertise across the project to improve the accessibility of WordPress core and resources.”
WordPress Accessibility Coding Standards (WPACS)

“All new or updated code released in WordPress must conform with the WCAG 2.0 guidelines at level AA.”

Ref: en.wikipedia.org/wiki/Web_Content_Accessibility_Guidelines

Ref: make.wordpress.org/accessibility/handbook/get-involved
Accessibility

“We need people who know to test accessibility and/or use assistive technology that test existing and new functionality”

• Testing existing patches for Trac tickets
• Gutenberg

Ref: make.wordpress.org/accessibility/handbook/get-involved

Ref: make.wordpress.org/accessibility
“While we try to be proactive in preventing security problems, we do not assume they’ll never come up.”
Reporting Bugs

Make sure WordPress is the cause!

- Debug Bar plugin [wordpress.org/extend/plugins/debug-bar](http://wordpress.org/extend/plugins/debug-bar)
- Backtrace Script [gist.github.com/scribu/625769](https://gist.github.com/scribu/625769)

Create new ticket on Trac

- [core.trac.wordpress.org/newticket](https://core.trac.wordpress.org/newticket)

Bug Gardening

- Test & confirm bug reports [make.wordpress.org/core/handbook/testing/bug-gardening](https://make.wordpress.org/core/handbook/testing/bug-gardening)

Ref: [make.wordpress.org/core/handbook/testing/reporting-bugs](https://make.wordpress.org/core/handbook/testing/reporting-bugs)
Ethical reporting

- Give reasonable time to correct issue before going public
- HackerOne
  [hackerone.com/wordpress](https://hackerone.com/wordpress)
- WordPress.com or WP Mobile App
  [hackerone.com/automattic](https://hackerone.com/automattic)

Ref: make.wordpress.org/core/handbook/testing/reporting-security-vulnerabilities
In 2014, non-English downloads surpassed English downloads.

- Matt: State of the Word 2014
Translating - Polyglots

- WordPress Core files .pot files
- Plugins
- Themes
- Codex
- Documentation
- Pretty much everything!

Ref: make.wordpress.org/polyglots
“WordPress is used by 59.4% of all the websites whose content management system we know. This is 32.2% of all websites.”

- w3techs.com
Supporting Users

- WordPress.org support forums
- Slack
  wordpress.slack.com
- LinkedIn groups
- Facebook groups
  Advanced WordPress, WordPress Australia, Genesis WordPress, +00’s more

Ref: make.wordpress.org/support
Supporting Users

• Training
  make.wordpress.org/training

• WordPress.tv
  make.wordpress.org/tv
  – Edit videos
  – Lower thirds
  – Uploading to .tv

Ref: make.wordpress.org/support
“..keeping content current with each WordPress release and adding new content and screenshots..”
Documentation

- Contributor Handbooks
- WordPress inline docs
- developer.wordpress.org
- Codex
  - Moving to HelpHub

Ref: make.wordpress.org/docs

@DeveloperWil #WCBNE
Public Speaking

At local WordPress meetups and national WordCamps
Public Speaking

- No previous speaking skills required
- People are interested in what you have to say!
- Talk about: a project, a plugin, a feature, a theme, a caching module in NGNIX that makes WordPress go faster – ANYTHING!
- Speak for 10 mins or just as long as you are comfortable to do
Volunteering

At local WordPress meetups and national WordCamps

@DeveloperWil WCBNE
Volunteering

• Your time is precious and appreciated!
• Updating meetup.com, setting up/packing down tables and chairs, meet & greet, graphic design, planning, sponsor wrangling, marketing
• Front-row seats
• Free conference ticket
• Learn new skills: meet & greet, AV, time management
• Network your legs off

@DeveloperWil #WCBNE
Create a Local Meetup

Absolutely yes, you can and you should!
Create a Local Meetup

- Strongly advise using meetup.com
- A venue
- Funding and sponsorship
  - Meetup fees USD $14.99/month (AUD ~$21)
- Your time and commitment
- A team of good people to help
- Some topics to discuss
- A format: coffee & chat, AV presentations

@DeveloperWil #WCBNE
Join the Meetup Chapter

“As of the end of Q2 2018, there were 617 official Meetup groups.”

- Meetup Chapter

• At least one event per month
• Abide by the "Five Good Faith Rules"
• Step-down as organiser to co-organiser
Join the Meetup Chapter

As part of the Meetup Chapter

- WordPress Community Support (WPCS) pays Meetup fees & maybe venue fees
- Commit to at least three months
- Swag

Slack #community-events, #community-team
Just Do It!

Download My


zeropointdevelopment.com/WCBNE18

Password: Contributor
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[5] zeropointdevelopment.com
[7,8,9] wordpress.org
[13] wordpress.slack.com
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[33,35] flightpath.blog cc Alex Shiels
[37] WPSydney Meetup Group
[Back Cover] zeropointdevelopment.com

@DeveloperWil #WCBNE
Who Me?

- Using WordPress since 2008
- Consultancy, Development, APIs & Security
- Organiser WPSyd Meetup & WordCamp Sydney

@DeveloperWil
♥ Pizza & Craft Beer

zeropointdevelopment.com