

Welcome to the December 2015 ROS Bug Squashing Party! Listed below are issues that up for grabs. If you'd like to contribute, claim an issue by adding a comment on that bullet item saying that you're working on it (include your github id in the comment). Otherwise, as usual, keep the workflow (questions, clarifications, etc.) in the comment stream on the issues.



As issues are closed, add a checkmark in this doc next to the list item.

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## ROS 1 on Windows (@gerkey)

- We have from our friends @ Infusion a new cygwin-based build of much of ROS Jade. Ask Brian for access to it.
  - 🕒 Task 1: try out that package on Windows, take note of how it works, what doesn't work, what's missing, etc. Write up a summary of the testing and findings.
  - Task 2: Automate the process of building that package and get it running in Jenkins.
    - Jose has made progress on this point based on earlier instructions.
    - 🕒 <https://github.com/ros/rosdistro/issues/10013>

## catkin\_pkg (Dirk)

- ✓ improve template  
[https://github.com/ros-infrastructure/catkin\\_pkg/pull/132](https://github.com/ros-infrastructure/catkin_pkg/pull/132)
- ✓ catkin\_generate\_changelogs  
[https://github.com/ros-infrastructure/catkin\\_pkg/issues/130](https://github.com/ros-infrastructure/catkin_pkg/issues/130)  
[https://github.com/ros-infrastructure/catkin\\_pkg/pull/131](https://github.com/ros-infrastructure/catkin_pkg/pull/131)
- ~~KeyError~~  
[https://github.com/ros-infrastructure/catkin\\_pkg/pull/129](https://github.com/ros-infrastructure/catkin_pkg/pull/129)

## ros\_release\_python (Dirk)

- ~~restrict the Python version for packages~~  
~~with the tools used by the old buildfarm we don't have a single package left which is not available in both Python version—therefore ignoring this~~

## roscdistro (Dirk)

- ✓ Invalid .inv URLs  
<https://github.com/ros-infrastructure/roscdistro/issues/48>
- ✓ API docs not being generated  
<https://github.com/ros-infrastructure/roscdistro/issues/43>

## rospkg (Dirk)

- ✓ Invalid .inv URLs  
<https://github.com/ros-infrastructure/rospkg/issues/80>

## catkin (Dirk)

- ~~find system packages~~  
<https://github.com/ros/catkin/issues/760>
- ~~verbose nosetests~~  
<https://github.com/ros/catkin/issues/759>
- fix .pc files for newer pkg-config versions  
<https://github.com/ros/catkin/issues/694>
- ⌚ replace write with append  
<https://github.com/ros/catkin/pull/752>
  - ✓ unset CPATH (k-turtle)  
<https://github.com/ros/catkin/pull/758>

## genpy (Dirk)

- ✓ fix serialization exception  
<https://github.com/ros/genpy/issues/42>  
<https://github.com/ros/genpy/pull/43>

## ros (Dirk)

- ✓ rospack caching (passed back to @rhaschke for further work)  
<https://github.com/ros/ros/pull/97>  
<https://github.com/ros/ros/pull/98>
- ✓ invalid character in result XML  
<https://github.com/ros/ros/pull/89>

## ros\_comm (Dirk)

- ⌚ abstract class to implement connection based transport  
[https://github.com/ros/ros\\_comm/pull/713](https://github.com/ros/ros_comm/pull/713) - waiting for feedback from contributor
- ⌚ topic\_hz\_monitor  
[https://github.com/ros/ros\\_comm/pull/712](https://github.com/ros/ros_comm/pull/712) - waiting for updated PR from contributor
- expressions in roslaunch  
[https://github.com/ros/ros\\_comm/pull/707](https://github.com/ros/ros_comm/pull/707)

- ✓ wait for param server  
[https://github.com/ros/ros\\_comm/pull/711](https://github.com/ros/ros_comm/pull/711)
- substitution nesting  
[https://github.com/ros/ros\\_comm/pull/382](https://github.com/ros/ros_comm/pull/382)
  - ✓ pass\_all\_args  
[https://github.com/ros/ros\\_comm/pull/710](https://github.com/ros/ros_comm/pull/710)
- reenable rosmmsg tests  
[https://github.com/ros/ros\\_comm/issues/709](https://github.com/ros/ros_comm/issues/709)
  - ~~get all node info~~  
[https://github.com/ros/ros\\_comm/pull/641](https://github.com/ros/ros_comm/pull/641)
  - ✓ unicode caller id  
[https://github.com/ros/ros\\_comm/issues/704](https://github.com/ros/ros_comm/issues/704)
- ⌚ rosbag service interface, didn't we develop that for a contract?  
[https://github.com/ros/ros\\_comm/issues/608](https://github.com/ros/ros_comm/issues/608) - referring to  
[https://github.com/osrf/nodelet\\_rosbag](https://github.com/osrf/nodelet_rosbag), waiting for feedback from reporter
  - ✓ rosmmsg better message  
[https://github.com/ros/ros\\_comm/issues/691](https://github.com/ros/ros_comm/issues/691)  
[https://github.com/ros/ros\\_comm/pull/698](https://github.com/ros/ros_comm/pull/698)  
[https://github.com/ros/ros\\_comm/pull/714](https://github.com/ros/ros_comm/pull/714)
  - ✓ node namespace with leading slash  
[https://github.com/ros/ros\\_comm/issues/692](https://github.com/ros/ros_comm/issues/692)  
[https://github.com/ros/ros\\_comm/pull/715](https://github.com/ros/ros_comm/pull/715)
- rosparam stdio support  
[https://github.com/ros/ros\\_comm/pull/686](https://github.com/ros/ros_comm/pull/686)
  - ⌚ rosconsole tied to NodeHandle  
[https://github.com/ros/ros\\_comm/issues/688](https://github.com/ros/ros_comm/issues/688) - wait for feedback on added documentation
  - rosbag filter removes latching  
[https://github.com/ros/ros\\_comm/issues/685](https://github.com/ros/ros_comm/issues/685) - related to next
  - rosbag migration removes latching  
[https://github.com/ros/ros\\_comm/issues/679](https://github.com/ros/ros_comm/issues/679) - waiting for someone to provide PR
  - ⌚ disable all logging  
[https://github.com/ros/ros\\_comm/issues/139](https://github.com/ros/ros_comm/issues/139) - waiting for feedback from reported
  - ⌚ mplayer like speed controls - waiting for contributor to update the PR  
[https://github.com/ros/ros\\_comm/pull/634](https://github.com/ros/ros_comm/pull/634)

## ros\_comm\_msgs (Dirk)

- ✓ bool service  
[https://github.com/ros/ros\\_comm\\_msgs/pull/7](https://github.com/ros/ros_comm_msgs/pull/7)

## roscpp\_core (Dirk)

- ⌚ WaitRate and Rate sleep behavior  
[https://github.com/ros/roscpp\\_core/issues/39](https://github.com/ros/roscpp_core/issues/39) - pending group decision
  - ✓ return value of sleep  
[https://github.com/ros/roscpp\\_core/pull/37](https://github.com/ros/roscpp_core/pull/37) - pending group decision
  - ✓ WallRate and Rate different constructor  
[https://github.com/ros/roscpp\\_core/issues/38](https://github.com/ros/roscpp_core/issues/38)  
[https://github.com/ros/roscpp\\_core/pull/40](https://github.com/ros/roscpp_core/pull/40)

## rospack (Dirk)

- ✓ caching rospack results  
<https://github.com/ros/rospack/pull/49>  
<https://github.com/ros/rospack/pull/54>
- ✓ small change to avoid preprocessor warning  
<https://github.com/ros/rospack/pull/50>
- ✓ Return 1 if the package name in rospack plugins can not be found  
<https://github.com/ros/rospack/pull/51>

## python\_qt\_binding (Dirk)

- loadqrc  
[https://github.com/ros-visualization/python\\_qt\\_binding/pull/19](https://github.com/ros-visualization/python_qt_binding/pull/19)

## qt\_gui\_core (Dirk)

- ✓ tooltip  
[https://github.com/ros-visualization/qt\\_gui\\_core/pull/61](https://github.com/ros-visualization/qt_gui_core/pull/61)
- non default color get default arrow fill  
[https://github.com/ros-visualization/qt\\_gui\\_core/pull/60](https://github.com/ros-visualization/qt_gui_core/pull/60)
- rename dock widget  
[https://github.com/ros-visualization/qt\\_gui\\_core/pull/59](https://github.com/ros-visualization/qt_gui_core/pull/59)
- use Q macros  
[https://github.com/ros-visualization/qt\\_gui\\_core/issues/55](https://github.com/ros-visualization/qt_gui_core/issues/55)
- build problem on OS X  
[https://github.com/ros-visualization/qt\\_gui\\_core/issues/57](https://github.com/ros-visualization/qt_gui_core/issues/57)

## rqt (Dirk)

- rviz crashing  
<https://github.com/ros-visualization/rqt/issues/96>

## rqt\_common\_plugins (Dirk)

- ~~rqt\_plot: "edit curves and line axes" does not work~~  
[https://github.com/ros-visualization/rqt\\_common\\_plugins/issues/103](https://github.com/ros-visualization/rqt_common_plugins/issues/103)
- ~~(new plugin idea) GPS plotter~~  
[https://github.com/ros-visualization/rqt\\_common\\_plugins/issues/41](https://github.com/ros-visualization/rqt_common_plugins/issues/41)
- matplotlib 1.5  
[https://github.com/ros-visualization/rqt\\_common\\_plugins/pull/343](https://github.com/ros-visualization/rqt_common_plugins/pull/343)
- many many more  
59: [https://github.com/ros-visualization/rqt\\_common\\_plugins/issues](https://github.com/ros-visualization/rqt_common_plugins/issues)  
7: [https://github.com/ros-visualization/rqt\\_common\\_plugins/pulls](https://github.com/ros-visualization/rqt_common_plugins/pulls)

## rqt\_robot\_plugins (Dirk)

- improper text rendering  
[https://github.com/ros-visualization/rqt\\_robot\\_plugins/issues/85](https://github.com/ros-visualization/rqt_robot_plugins/issues/85)
- rviz config file  
[https://github.com/ros-visualization/rqt\\_robot\\_plugins/pull/94](https://github.com/ros-visualization/rqt_robot_plugins/pull/94)
- many many more  
12: [https://github.com/ros-visualization/rqt\\_robot\\_plugins/issues](https://github.com/ros-visualization/rqt_robot_plugins/issues)

## robot\_model, robot\_state\_publisher, urdfdom (Jackie)

- Some context: I (Jackie) recently agreed to take over these packages for loan, so bear with me while I get up to speed as a maintainer.
- Bugs/technical debt:
  - [https://github.com/ros/robot\\_state\\_publisher/pull/13](https://github.com/ros/robot_state_publisher/pull/13) for [https://github.com/ros/robot\\_state\\_publisher/issues/3](https://github.com/ros/robot_state_publisher/issues/3)
    - Description: Currently all tests for robot\_state\_publisher are disabled. We should reenble them and fix any failing tests. This is priority #1
    - Jonathan Bohren started the above PR and since abandoned it. I started a branch with some fixes but haven't completed the work.
  - [https://github.com/ros/robot\\_model/pull/66](https://github.com/ros/robot_model/pull/66)
    - I ran into a roadblock writing a test for Silvio's change with kdl\_parser, it may be a separate issue.
  - [https://github.com/ros/robot\\_state\\_publisher/issues/38](https://github.com/ros/robot_state_publisher/issues/38)
    - Needs a quick fix to maintain backwards compatibility
    - [https://github.com/ros/robot\\_state\\_publisher/pull/39](https://github.com/ros/robot_state_publisher/pull/39)
  - [https://github.com/ros/robot\\_model/issues/67](https://github.com/ros/robot_model/issues/67)
    - joint\_state\_publisher depends on wxpython (should be rqt)
  - [https://github.com/ros/robot\\_model/issues/110](https://github.com/ros/robot_model/issues/110)

- check if this segfault in rviz is actually fixed so that we can close the issue
  - Enhancements (most new features should target ROS-K. I have created a kinetic-devel branch, so please target API/ABI changes and major features to that branch):
    - [https://github.com/ros/robot\\_state\\_publisher/issues/29](https://github.com/ros/robot_state_publisher/issues/29)
      - There's an ongoing discussion about reloading the robot model.
      - NikolasE has a pull request to reload it using a trigger service, which I've reviewed and think looks OK
      - The question is if we think the approach/design is good
    - [https://github.com/ros/robot\\_state\\_publisher/issues/25](https://github.com/ros/robot_state_publisher/issues/25)
      - Description: Make robot\_state\_publisher better for subclassing
    - [https://github.com/ros/robot\\_state\\_publisher/issues/23](https://github.com/ros/robot_state_publisher/issues/23)
      - Description: Should robot\_state\_publisher have a default constructor?
      - I believe adding a default constructor would actually be ABI-compatible, so we could target this for Indigo if we really wanted to
    - [https://github.com/ros/robot\\_model/issues/48](https://github.com/ros/robot_model/issues/48)
      - Add a feature to support an array of URDF strings

## gazebo\_ros\_pkgs (Steve)

- There are over 20 [open pull requests](#) and no one actively tending it.
- In addition to the open pull requests, several bug fixes have been merged to indigo but not to jade ([comparison of indigo-devel to jade-devel](#)). So we should try to synchronize them and make a new release.

## rviz, vcstools, catkin\_tools, stage\_ros, bloom, rosddep, cmake\_modules, rep (William @wjwwood)

- rviz:
  - ~~[PR Enhancement] Enabling AA:
 
    - ~~<https://github.com/ros-visualization/rviz/pull/931>~~~~
  - [IS Bug] Collada models not displaying in Markers:
    - <https://github.com/ros-visualization/rviz/issues/933>
  - [PR Bug Fix] Fix some problem with Billboards:
    - <https://github.com/ros-visualization/rviz/pull/947>
  - ~~[PR Bug Fix] Fix for tf display not respecting config:
 
    - ~~<https://github.com/ros-visualization/rviz/pull/946>~~
    - I think this other PR is related:
      - <https://github.com/ros-visualization/rviz/pull/938>~~
  - ~~[PR Enhancement] Apparently adjusting docs about color mapping (not sure):
 
    - ~~<https://github.com/ros-visualization/rviz/pull/944>~~~~
  - ~~[PR Bug Fix] "Fix SplitterHandle of PropertyTreeWidget":
 
    - ~~<https://github.com/ros-visualization/rviz/pull/943>~~~~
  - [PR Enhancement] Something to do with interactive markers events:
    - <https://github.com/ros-visualization/rviz/pull/937>
    - Related issue: <https://github.com/ros-visualization/rviz/issues/935>

- ~~[PR Enhancement] Adding a comment about HSV palette (needs verification):~~
  - ~~<https://github.com/ros-visualization/rviz/pull/936/files>~~
- [PR Enhancement] Support Qt5 (needs testing):
  - <https://github.com/ros-visualization/rviz/pull/909>
- [PR Enhancement] Display Vector3Stamped (needs updating to indigo):
  - <https://github.com/ros-visualization/rviz/pull/860>
- [IS Bug] PointClouds are removed when fixed frame is changed:
  - <https://github.com/ros-visualization/rviz/issues/949>
- [IS Bug] STL not loading in new version (again):
  - ~~<https://github.com/ros-visualization/rviz/issues/945>~~
- [IS Bug] "Unselecting a tabbed panel disables its display"
  - <https://github.com/ros-visualization/rviz/issues/940>
- [IS Bug] Distorted display of triangle list marker with alpha:
  - <https://github.com/ros-visualization/rviz/issues/925>
- [IS Bug] Crash that occurs when opening with certain config files:
  - <https://github.com/ros-visualization/rviz/issues/917>
- catkin\_tools:
  - ~~[PR Enhancement] Add checking for mixing build tools on a workspace:~~
    - ~~[https://github.com/catkin/catkin\\_tools/pull/214](https://github.com/catkin/catkin_tools/pull/214)~~
  - ~~[PR Enhancement] Improve installation of tab complete files:~~
    - ~~[https://github.com/catkin/catkin\\_tools/pull/223](https://github.com/catkin/catkin_tools/pull/223)~~
    - ~~(related issue) [https://github.com/catkin/catkin\\_tools/issues/222](https://github.com/catkin/catkin_tools/issues/222)~~
  - [IS Bug] invoking `catkin config` clears make args (it shouldn't):
    - [https://github.com/catkin/catkin\\_tools/issues/225#issuecomment-128168463](https://github.com/catkin/catkin_tools/issues/225#issuecomment-128168463)
  - [PR Feature] Add alias for linting:
    - [https://github.com/catkin/catkin\\_tools/pull/241](https://github.com/catkin/catkin_tools/pull/241)
  - ~~[PR Enhancement] Support DESTDIR:~~
    - ~~[https://github.com/catkin/catkin\\_tools/pull/240](https://github.com/catkin/catkin_tools/pull/240)~~
    - ~~(related issue) [https://github.com/catkin/catkin\\_tools/issues/235](https://github.com/catkin/catkin_tools/issues/235)~~
  - ~~[PR Bug Fix] Fallback to `/bin/bash` when `SHELL` env variable is not set:~~
    - ~~[https://github.com/catkin/catkin\\_tools/pull/239](https://github.com/catkin/catkin_tools/pull/239)~~
    - ~~[https://github.com/catkin/catkin\\_tools/pull/226](https://github.com/catkin/catkin_tools/pull/226)~~
  - [IS Bug] `catkin create pk` broken with -p:
    - [https://github.com/catkin/catkin\\_tools/issues/233](https://github.com/catkin/catkin_tools/issues/233)
  - [IS Bug] Unhelpful error when there is a circular dependency:
    - [https://github.com/catkin/catkin\\_tools/issues/229](https://github.com/catkin/catkin_tools/issues/229)
  - [IS Bug] It seems cmake is not always being rerun when it should:
    - [https://github.com/catkin/catkin\\_tools/issues/227](https://github.com/catkin/catkin_tools/issues/227)
  - [IS] Should the topological ordering change in catkin build?
    - [https://github.com/catkin/catkin\\_tools/issues/224](https://github.com/catkin/catkin_tools/issues/224)
  - [IS] Reported that launch files are not found after building:
    - [https://github.com/catkin/catkin\\_tools/issues/221](https://github.com/catkin/catkin_tools/issues/221)

- [PR Enhancement] add source verb
    - [https://github.com/catkin/catkin\\_tools/pull/192](https://github.com/catkin/catkin_tools/pull/192)
- vcsstools:
  - ~~[PR Enhancement] Improving developer docs (needs rewrite from me):~~
    - ~~<https://github.com/vcsstools/vcsstools/pull/109>~~
- stage\_ros:
  - [PR Enhancement] Allow stage to receive Pose commands:
    - [https://github.com/ros-simulation/stage\\_ros/pull/26](https://github.com/ros-simulation/stage_ros/pull/26)
    - New PR, with minor change and added tests:
      - [https://github.com/ros-simulation/stage\\_ros/pull/27](https://github.com/ros-simulation/stage_ros/pull/27)
  - [IS Bug] Memory corruption issue? (unable to reproduce; passed back to submitter)
    - [https://github.com/ros-simulation/stage\\_ros/issues/21](https://github.com/ros-simulation/stage_ros/issues/21)
- bloom:
  - [PR Bug Fix] Fix detection of rosdistro fork:
    - <https://github.com/ros-infrastructure/bloom/pull/376>
    - (related issue) <https://github.com/ros-infrastructure/bloom/issues/375>
  - [PR Enhancement] Generate dbg deb packages (needs lots of testing):
    - 🕒 <https://github.com/ros-infrastructure/bloom/pull/374>
  - [IS Bug] Dangling symlinks in a package seem to break bloom release:
    - <https://github.com/ros-infrastructure/bloom/issues/370>
  - [IS Documentation Request] Remove a patch from a release track:
    - <https://github.com/ros-infrastructure/bloom/issues/364>
- rosdep:
  - [PR] Use pip on Yocto for installing Python modules:
    - <https://github.com/ros-infrastructure/rosdep/pull/419>
  - [PR] Threaded build flag on Gentoo (waiting on rospkg release):
    - <https://github.com/ros-infrastructure/rosdep/pull/386>
  - [IS Bug] rosdep fails to detect a Python module is installed with pip:
    - <https://github.com/ros-infrastructure/rosdep/issues/420>
  - [IS Bug] rosdep install fails for a metapackage:
    - <https://github.com/ros-infrastructure/rosdep/issues/430>
- cmake\_modules:
  - [PR Enhancement] Add DepthSenseSDK CMake Module:
    - [https://github.com/ros/cmake\\_modules/pull/33](https://github.com/ros/cmake_modules/pull/33) (0.3-devel)
    - [https://github.com/ros/cmake\\_modules/pull/32](https://github.com/ros/cmake_modules/pull/32) (0.2-devel)
  - Do a release.
- rep
  - Write up a replacement for REP 2.
  - Add historical status messages at the beginning of older REP's.
  - Notify community of changes for REP's:
    - ~~REP 8 (<https://github.com/ros-infrastructure/rep/pull/92>)~~



- REP 2  
(<https://github.com/ros-infrastructure/rep/issues/44#issuecomment-70736521>)
  - older REP's  
(<https://github.com/ros-infrastructure/rep/issues/48#issuecomment-70736118>)
- Update related documentation, tracked here:
  - <https://github.com/ros/rosdistro/issues/6946>

## actionlib, bond\_core, cmake\_loader, nodelet\_core, nodelet\_rosbag, pluginlib (Esteve)

- actionlib
  - [Enhancement] Simple Action Server should expose setRejected
    - <https://github.com/ros/actionlib/issues/38>
  - [Enhancement] SimpleActionClient is tracking goal
    - <https://github.com/ros/actionlib/issues/40>
- bond\_core
  - [PR] Queue size for a publisher
    - [https://github.com/ros/bond\\_core/pull/10](https://github.com/ros/bond_core/pull/10)
  - ~~[Bug] wait\_until\_formed causes terminal to be unavailable for full requested duration even after node shutdown~~
    - ~~[https://github.com/ros/bond\\_core/issues/9](https://github.com/ros/bond_core/issues/9)~~
- dynamic\_reconfigure
  - [Bug] Group configuration is not consistent
    - [https://github.com/ros/dynamic\\_reconfigure/issues/47](https://github.com/ros/dynamic_reconfigure/issues/47)
  - [Bug] Unable to reload parameters from a file generated by dumping
    - [https://github.com/ros/dynamic\\_reconfigure/issues/51](https://github.com/ros/dynamic_reconfigure/issues/51)
- nodelet\_core
  - [PR] Public api to check nodelet is initialized
    - [https://github.com/ros/nodelet\\_core/pull/34](https://github.com/ros/nodelet_core/pull/34)
- nodelet\_rosbag
  - [Documentation]
    - [https://github.com/osrf/nodelet\\_rosbag/issues/2](https://github.com/osrf/nodelet_rosbag/issues/2)
  - [Tests]
    - [https://github.com/osrf/nodelet\\_rosbag/issues/1](https://github.com/osrf/nodelet_rosbag/issues/1)
- pluginlib
  - ~~[Bug] failing unit test~~
    - ~~<https://github.com/ros/pluginlib/issues/31>~~

## rospkg (tfoote)

- CentOS detection: 6.6 support
  - <https://github.com/ros-infrastructure/rospkg/issues/81>

- Invalid documentation urls:
  - ✓ <https://github.com/ros-infrastructure/rospkg/issues/80>
- Local package discovery failures
  - <https://github.com/ros-infrastructure/rospkg/issues/59>
- Improve Mint detection/support
  - <https://github.com/ros-infrastructure/rospkg/issues/25>

## geometry/geometry\_experimental (tfoote)

- vector3 transform incorrectly includes translation
  - [https://github.com/ros/geometry\\_experimental/issues/124](https://github.com/ros/geometry_experimental/issues/124)
  - [https://github.com/ros/geometry\\_experimental/pull/128](https://github.com/ros/geometry_experimental/pull/128)
- make setTransform virtual
  - [https://github.com/ros/geometry\\_experimental/issues/122](https://github.com/ros/geometry_experimental/issues/122)
- canTransform error message reset on timeout
  - [https://github.com/ros/geometry\\_experimental/issues/117](https://github.com/ros/geometry_experimental/issues/117)
- add some datatype conversions
  - [https://github.com/ros/geometry\\_experimental/issues/116](https://github.com/ros/geometry_experimental/issues/116)
- improve documentation of transforming point clouds
  - [https://github.com/ros/geometry\\_experimental/issues/120](https://github.com/ros/geometry_experimental/issues/120)
- Python Quaternion compatibility
  - <https://github.com/ros/geometry/issues/109>
- ✓ Extend assertQuaternionValid to check for nans
  - ✓ <https://github.com/ros/geometry/issues/107>
  - ✓ <https://github.com/ros/geometry/pull/112>
- add support for roslaunch arguments (duplicate support to different repo)
  - <https://github.com/ros/geometry/pull/110>
- convert test scripts to unittests
  - [https://github.com/ros/geometry\\_experimental/issues/130](https://github.com/ros/geometry_experimental/issues/130)
  - [https://github.com/ros/geometry\\_experimental/issues/131](https://github.com/ros/geometry_experimental/issues/131)

## xacro (Morgan)

- ~~[two users have reported that xacro has some sort of problems](#) with extended characters, but they didn't supply test cases or working code that fixes it. It would be good to make a real test case and fix whatever issues show up with UTF-8. And emoji.~~

## other (Morgan)

- A graphical installer that automates the current ROS install process would be awesome! Tooltips, helpful explanations, etc. It doesn't necessarily have to handle all cases on all platforms, but at least "making the simple case simple," e.g., a simple GUI or Wizard for installing Indigo or Jade on Ubuntu 14.04, would perhaps make things a bit more friendly.