

Engineering Weekly Report 9/15/2022 - 9/22/2022

Executive Council Notes

-

Individual Activities

- Michael Anderson
- Kevin Barnard
 - Out of Office
 - Marine Imaging workshop Oct 3 - 7 2022 CEST Brest, France (GMT+2)
 - Vacation Oct 8 - 23
- Francois Cazenave
 - 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Monitoring wave energy buoy
 - Provide buoy characteristics to modeler
 - 902106 - Niobicon-Based AUV Docking Development
 - Designing buoy housing
 - Out of Office
 - Out sick on Monday
- Danelle Cline
 - Out of Office
 - Marine Imaging workshop 3 - 7 Oct 2022 CEST Brest, France (GMT+2)
- Duane Edgington
 - Out of Office
 - Vacation (international) Sept 12 - Oct 1 2022
 - Marine Imaging workshop Oct 3 - 7 2022 CEST Brest, France (GMT+2)
 - Vacation (international) Oct 9 - 19 2022
 - Vacation October 21-23 2022 (Southern California)
- Jon Erickson
- Kevin Gomes
 - 200105 - Core Navigation Data - MDUC
 - Documented system on Western Flyer so we have it before it's gets decommissioned.
 - 901915 - Improving the Impact of MBARI's Data
 - Migrated more information to new website
 - Organizing meeting to get group to help with content migration
 - Overhead
 - Cleaned out some of Rich's old hardware from the corner office where it was temporarily located. It's now either ready for recycling or in my office to process.
 - More proposal related stuff.
 - Presentation preparation for CTE talk at Carmel High School
 - Out of Office
 - 10/3-10/6: Vacation
- Andy Hamilton
- Kent Headley

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Completed pub/sub components for simulator, pending integration w/ Rob
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Coordinating w/ DMO and Smith group to fly waveglider loop and cross survey to locate rover during recovery next week; prepping mission
- 902204 - Scalable Marine Robotics Foundations
 - Have made some progress on understanding image rendering w/ Qt, though currently stuck on Qt threading model
 -
- Overhead
 - Phase 2 resource balancing
 - DEI meeting
 - Hiring : have met with various stakeholders re job description, still working to pull a committee together (all on vacation), working to organize process
 - EE interview lunch/comments
 - Misc admin
 - Open Robotics Irauv sim meeting
- Rich Henthorn
 - Out of Office
 - Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)
- Brett Hobson
- Scott Jensen
 - Out of Office
 - On travel 9/18-21
- Brent Jones
- Chad Kegy
- Brian Kieft
 - Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/19 - appointments
 - 08/28 - 09/01 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)
- Denis Klimov
- Eric Martin
 - 901101 - Seafloor Mapping
 - Returned Wednesday from the Arctic Expedition, it was very successful.
 - Catching up on sled conversion efforts with Chad.
 - 901911 - ROVVR
 - Following up on proposal feedback.
 - 902204 - Scalable Marine Robotics Foundations
 - Catching up on Boxfish shipment
 - Overhead
 - Preparing for Aaron's interview this Friday
- Thom Maughan
 - 901009 - CANON
 - Met with Kobun prior to his departure for Peru to discuss next steps after eDNA tacklebox.
 - 901713 - Nearshore FOCE
 - Pumps configured by James, Chad is indicating nsFOCE is functioning.
 - 901805 - Coastal Biogeochemical Sensing Program

- Running tests on micro sd cards and ymodem.
 - Joseph tested the pump sequencer and firmware for CENCOOS pier MpHOX - all went well and the system was delivered.
- 902004 - Planktivore
 - Design review for rev 2 Planktivore housing with Jon E, Paul R and Brent J.
 - Prep and test Planktivore and Spray 34 for deployment. Brett made quick work of reconfiguring the Spray for Planktivore after I located a connector. Also, many thanks to Brett Hobson helping recover the Spray drop weight off the bottom of the test tank.
 - Worked on Camera Controller pcb design / layout during the PGE battery fire on Tues.
 - Met with Yui regarding Spray and the Planktivore test plan.
- Out of Office
 - Planned Sep Vacation delayed until Planktivore deployment.
- Mike McCann
 - 901101 - Seafloor Mapping
 - Met with Karen to discuss the filtering of responses in SMDB's backend
 - 901111 - AUV Infrastructure Support
 - Accommodating latitude and longitude name changes in Dorado's navigation.log file
 - Fixing STOQS parsing to get all 14 ESP samples from Brizo's Lake Michigan deployment
 - 901221 - Midwater Time Series
 - Confirmed that i2map automated processing into [stoqs_all_i2map](#) works upon copy to M3
 - 901910 - Plankton Taxonomic Groups from AUVs
 - Testing the process_dorado.py script in auv-python for entire reprocessing of the archive
 - 901915 - Improving the Impact of MBARI's Data
 - Migrated the OA1 Data page to the new web site – my first edits using new template
- Rob McEwen
- Paul McGill
 - Out of Office
 - Will be on vacation Aug 29 thru Sep 5.
- Tom O'Reilly
- Doug Pargett
 - Out of Office
 - August vacation
- Mike Risi
 - Out of Office
 - May 5 - vacation
 - May 9-10 - vacation
 - June 2-8 - OI cruise
 - June 10-14 - vacation
 - June 20-22 - vacation
 - July 19-20 - vacation
 - August 8-9 - out of office
 - Out of office most Fridays
- Paul Roberts
 - Out of Office
 -
- Brent Roman
 - Out of Office
 - Sept 6 through roughly Sept 16
- Carlos Rueda
 - Out of Office

- Out sick 3 days over past two weeks
 - Oct 10–12, Nov 11–14, 23–30, Dec 8–9: vacation
- Karen Salamy
 - Out of Office
 - Personal Day: October 20.
- Brian Schlining
 - 500055 - VARS, M3/RS, DSG
 - Iron Mountain has ramped up the tape to video file process. We're now receiving 5 LTOs every two weeks. The increased data velocity has been filling up the allocated disk quota on M3. IS has updated the quota for M3 share from 320TB to 440TB for now. This gives us up to 290TB for /M3/master and a bit of breathing space.
 - Some tapes imported from the older VARS system did not have the correct start time and duration set. Brian created a [script](#) to update those as needed.
 - Working on talks for the Marine Imaging Workshop
 - Work on Vue 3 version of new [Deep-sea Guide](#)
 - 902002 - FathomNet
 - For OceanVisionAI games support.
 - Added endpoint for generating leaderboard scores: for example: <https://fathomnet.org/ovaigame/scores?mode=tetris&activeSpecies=fish>
 - Added SSL proxy to [game logger](#). e.g. <http://fathomnet.org:8899/logs> is proxied by <https://fathomnet.org/ovaigame/logs>
 - The [games](#) have been deployed to:
 - <https://fathomnet.org/fathomnet-no-timer/tetris/production>
 - <https://fathomnet.org/fathomnet-no-timer/timed/production>
 - <https://fathomnet.org/fathomnet-no-timer/non-timed/production>
 - 902005 - VARS Annotation Assistance
 - Paul Rogers has accepted the contract to work on the new [Sharktopoda/Cthulhu video player](#). Development has started in a the private repo at [dingosky/Sharktopoda](#)
 - Out of Office
 - 10/3 - 10/7 - [Marine Imaging workshop](#), Brest, France
- Alana Sherman
 - Out of Office
 - Out for dentist appt