Welcome
The Physics Observer is a periodic bulletin of happenings in and around UW Physics. Our goal is to share information of notable happenings, events, and news associated with the department. Please feel free to pass this newsletter to anyone who may be interested. Readers wishing to subscribe, or unsubscribe, may do so here. Previous newsletters may be found on the physics website at The Physics Observer Newsletter. Information for future editions may be sent to the editor, Alexis Hall.

Chair's Corner (L. Yaffe)
I want to extend heartfelt thanks to R.G. Hamish Robertson for endowing the newly created Arthur B. McDonald Professorship which will be used to help attract and support outstanding faculty.

In addition to previously announced events, next May 30-June 1, 2020 the department will host the meeting “Summiting the Unknown: Celebrating the Legacy of Ann Nelson”.

Milestones & Arrivals
❖ Budget Analyst Kathryn Hennessy completed her 30th year of service at the University of Washington.
❖ Jessica McDermott will join the department as a Budget Fiscal Analyst.

Research Awards and Grants
❖ Assistant Professor Alvaro Chavarria received 280K NSF grant for 50-CCD tower of DAMIC-M to search for light dark matter particles
❖ Associate Professor Gray Rybka received 155K US DOE grant for Experimental Particle-Astrophysics at the University of Washington.
❖ Professor Gordon Watts received 16K US DOE grant for US ATLAS IRIS-HEP Institute Buyout.
❖ Professor Gerald Seidler received 45K NSF grant for STTR Phase I: The xAristotle Platform for Advanced X-ray Spectroscopy.

Funding and Meeting Announcements
Apply for the APS Congressional Science Fellowship! The APS Congressional Science Fellowship provides a stipend to work on Capitol Hill for a year, helping legislators effectively interpret scientific knowledge for use in public policy decisions, while learning about the legislative process. You must have a PhD and be an APS member to qualify. Application deadline: December 15, 2019.

Applications solicited for DOE/BES Energy Frontier Research Center proposals in Quantum Information Science or Microelectronics. More information here. This is a limited submission opportunity. Internal UW letter of intent deadline: 5:00 PM Monday, December 16, 2019.

Applications open for Two Sigma PhD Fellowships, offering full tuition and stipend. Areas of interest to the sponsor include applications of machine learning, simulation & big data techniques in physics, including particle physics, astrophysics, and condensed matter. More information here. Deadline: December 30, 2019. This is a limited submission opportunity. If interested, contact Marcel den Nijs well in advance of the deadline.
Job Opportunities

- Adjunct Faculty in Physics, Pennsylvania State University. See https://physicaloxy.com/adjunct-faculty-in-physics,i7789.html.
- Assistant, Associate, or Professor of Quantum Science and Engineering, University of Wisconsin Madison. See https://jobs.hr.wisc.edu/en-us/job/502951/assistant-associate-or-professor-of-quantum-science-and-engineering-cluster-hire.
- Assistant Professor of Physics, University of Wisconsin Madison. See https://physicaloxy.com/assistant-professor-of-physics,i7912.html.
- Professor (Open Rank) of Experimental Nuclear Physics at University of Illinois Urbana Champaign. See https://physicaloxy.com/professor-open-rank-of-experimental-nuclear-physics,i7811.html.
- Assistant Professor of Experimental Solid State Physics and Applications, University of British Columbia. See https://academicjobsonline.org/ajo/application/14901.

Selected Publications