

**UNIVERSITY OF WASHINGTON  
FACULTY COUNCIL ON UNIVERSITY FACILITIES AND SERVICES**

The Faculty Council on University Facilities and Services met on Friday, **April 18, 2005**, at 11:30 a.m., in 36 Gerberding Hall. Chair John Schaufelberger presided.

**PRESENT:**     **Professors** Schaufelberger (Chair), Heerwagen, Korshin and Rorabaugh;  
              **Ex officio members** Jan Arntz, Environmental Planner, Capital Projects Office,  
                                  University Facilities Building (for Chapman), Fales, McCray and Pike;  
              **Guests;** William Bakamis, Associate Director, Applied Physics Laboratory; Brian Berard,  
                                  Manager of Program Operations, Capital Projects Office; Rick Cheney, Director,  
                                  Facilities Services, Maintenance and Alterations; Theresa Doherty, Assistant Vice  
                                  President for Regional Affairs, Office of Regional Affairs; Randy Everett, Project  
                                  Assignment, Capital Projects Office; Jeff Simmen, Director, Applied Physics Laboratory.

**ABSENT:**     **Professor** Balick, Devasia, Souter and Treser;  
              **Ex officio members** Chamberlin, Chapman (Arntz represented Chapman), Liias and  
                                  Waddell.

**Approval of Minutes**

The minutes of March 4, 2005 were approved as written.

**Proposed Expansion to Henderson Hall – Colleen Pike, Acting Director, Capital and Space Planning Office; and Jeff Simmen, Director, Applied Physics Laboratory, Henderson Hall.**

Pike said a central question behind the proposed expansion to Henderson Hall is what kind of research is being addressed. To answer that question, and to discuss the proposed expansion, she introduced Jeff Simmen, Director of the Applied Physics Laboratory in Henderson Hall. Simmen distributed a handout delineating, both verbally and graphically, the Applied Physics Laboratory and its various components and foci.

Simmen said a new wing was added to Henderson Hall some 20 years ago. “Now, however, the Applied Physics Laboratory is stressed for space,” he noted. “We need to grow quickly, as we have many new research projects to undertake, some of them with urgent timetables.”

Simmen proceeded to discuss some of the more important programs the Applied Physics Laboratory is comprised of currently, and other programs the APL anticipates bringing on board in the near future.

Core research areas include: Acoustics and Remote Sensing (underwater acoustics and remote sensing), Ocean Physics and Engineering (ocean turbulence and ocean engineering, “a real strength of the lab”), Medical and Industrial Ultrasound, Polar Science and Logistics (Arctic research at the UW APL is “the best in the country”), Environmental and Information Systems (signal processing for underwater acoustic systems, and meteorological prediction), and Electronic Systems (high definition sonar, and acoustical recorder).

Simmen briefly described the “first-class field programs” at the APL. “There were more than a dozen at-sea experiments in FY04,” he told the council. “The programs are both global and varied in scope.”

As for the present size of the APL, there are approximately 242 FTE’s, including 68 supervised students (38 graduate students). There is a total of 120,000 GSF, 100,000 in Henderson Hall (where the annex would be) and 20,000 in Boat Street and other locations.

As for funding, of the \$40M/year APL receives, 55% is Navy derived. Of the FY04 Awards by Sponsor, 24% is NSF, 5% is Army derived, 29% is ONR derived, 26% is Other Navy, and All Other is 16% (NIH, NASA, Air Force, DARPA, NOAA).

Ocean observing systems (engineering and operating cabled-to-shore networks of ocean sensors that would provide long-term and continuous time series and a new approach to oceanographic data collection, and a “strong push for a major APL role in engineering and operations of NEPTUNE ocean observatory, with UW support to develop an NSF proposal) would address 21<sup>st</sup> century DoD, DHS and Science needs.

Persistent undersea surveillance (through the development of a semi-autonomous, adaptive, networked system of fixed and mobile nodes capable of long-term undersea surveillance, which would have ONR funding by July 2005), and Counter-IED (a research program that would be aimed at the development of ideas/tools to prevent, detect, and mitigate against damage from IEDs) would address the same needs.

Lastly, Simmen mentioned other developing R&D initiatives. These included Photonics Applications (providing bridge from UW science to DoD and other applications – device/system emphasis –; UW is basic research leader in organic-material approaches), Homeland and Coastal Security (building collaborations with DoE’s Pacific Northwest National Laboratory), and Mitigation of Sound Impact on Marine Mammals (developing acoustical mammal monitoring and mitigation for NW Navy ranges; data collection, analysis and modeling for ocean and Puget Sound noise underway; and studies of sound-induced bubble formation in mammal tissues).

Simmen said, “The paradigm for ocean research is changing. And we are a big part, regionally, of the NOAA-NSF Operational Ocean Observing Initiative. We have many disciplines in our department, and not just basic research, but basic and applied research. We do not want to lose that synergy.”

Pike said the total cost of the addition to Henderson Hall will be \$26 million. The building will be eight stories, with up to 48,000 GSF. “The intent is to build to the full height allowed,” she pointed out. Simmen added that to build at less than the maximum height allowed, and then to try to add stories to the building later on, would be awkward, exceptionally inconvenient, and prohibitively expensive. Simmen further added that the new APL building would house offices for APL researchers almost exclusively.” Pike said the project will be three to four years in total. An architect will be selected in September 2005. The design phase will be one-and-a-half years. The construction phase will also be one-and-a-half years. “The loading would have to be accommodated,” Pike noted.

As for the means of funding the project, \$10 million would be covered by federal funding; \$15 million would come in the form of a loan from the University. The University would issue the loan, and the APL would pay the debt service.

### **Potential Additional Seattle Campus Projects – Colleen Pike, Acting Director, Capital and Space Planning Office**

Pike reviewed additional Seattle campus projects.

Among buildings listed on the state budget request for restoration projects – all these buildings will stay on their current sites – are: Anderson Hall, Balmer Hall, the Brooklyn Building, Clark Hall, Denny Hall, Eagleson Hall, Harris Hydraulics, Health Sciences H-Wing, Hutchinson Hall, Lewis Hall, Miller Hall, the Playhouse Theater, and Savery Hall.

Pike then mentioned several “assessments in progress” that are part of a “large capital campaign”. These include:

- A new Alumni Association Building. A new alternative building, fairly small, is needed on campus. This could be a shared space with another program. The alternative building would be donor funded.
- A new Business School Building (to include parking), the fund raising for which is now in process. The project GSF would be 228,200, and the building would be located in section 4C of the Master Plan. The campaign of fund raising is currently being assessed. This project would be phased, with the new construction being the first phase, and the changes to Balmer Hall being the second phase.

- Health Sciences B-Wing: a renovation of 119,000 GSF, including 30,000 new GSF. The location in the Master Plan is between B and D. “This would fill in a niche between sections B and D,” said Pike, “and would cost \$10-\$12 million per phase.”
- Mechanical Engineering: a new building. The GSF would be 100,000. The project’s location would be C14 or C16 (two possible sites). “They want to be as near as possible to the existing Mechanical Engineering building,” said Pike.
- Public Health and Community Medical Building: a new building, with 87,000 GSF, located in section 52S in the Master Plan. “Faculty are currently in leased space,” said Pike, “and scattered across the city. They would like to be on campus, and to have a campus identity.” She said a feasibility study has been conducted. The old Mechanical Engineering Building will be used for various functions. The new and old buildings will be the same size, though the new building will have more GSF.

Potential research projects mentioned by Pike include: UW Research and Technology Phase II, a new construction with 115,000 GSF; and UW Research and Technology Phase III, a new construction, also with 115,000 GSF. The locations have yet to be determined.

Federal funding requests include: the Henderson Hall addition already discussed; and a Regional BioContainment Lab, discussed at length in the two previous FCUFS meetings.

Lastly, Pike said a feasibility study is being performed for an on-campus Data Center. “Options are being looked at now,” she pointed out. “Campus vs. off-campus sites are being studied.” She said the next phase would target the predesign space.

**Update on Educational Outreach/Visitor Center Project – Brian Berard, Project Manager, Capital and Space Planning Office**

Brian Berard, Project Manager for the Educational Outreach/Visitor Center Project, showed the council several drawings of the proposed new building. He said it will be a six-storey building in section 34W of the Master Plan, across from Schmitz Hall on University Way NE, and contiguous to the College Inn, between NE 41<sup>st</sup> St. and NE Campus Parkway. The Visitor Center will be on the first floor of the new building, which will comprise 35,000 GSF of office space, and 57,000 total GSF. The building will have a roof garden and a partial sixth floor. The building is required to achieve a LEED Silver rating. There will be a central courtyard with a four-storey atrium allowing natural light into the core of the building. Natural ventilation with operable windows coupled with trickle wall venting and radiant floor heating will increase the building’s energy efficiency. Berard said this will be a lease purchase operated by a non-profit entity. (As council members were aware, the previous Educational Outreach building was razed to the ground in a fire several years ago.) The construction documents for the project will be completed by December 2005, Berard noted. Estimated time of construction is approximately one year. The University will purchase the building through a 30-year lease at which point ownership will revert back to the University.

**Update on West Campus Parking Garage Expansion – Randy Everett, Project Manager, Capital Projects Office**

Randy Everett, Project Manager for the West Campus Parking Garage Expansion, said the proposed site is just east of the existing West Campus Parking Garage, in section 68S of the Master Plan, south of NE Pacific St. and west of 15<sup>th</sup> Ave. NE, and immediately west of the new Bioengineering Building. The total project will comprise 126,000 GSF, including 12,200 GSF of new offices for UW Transportation Services, located on the south side of the building. There will be five levels in the garage expansion, which is the allowable height limit. The garage will utilize existing ramps, and will have a new entrance off 15<sup>th</sup> Ave. NE. serving short-term parking on the ground level. 326 new parking spaces will be made available by the expansion; there are 660 parking spaces in the current garage. The site of the project, said Everett, slopes gradually uphill to the north.

Construction on the West Campus Parking Garage Expansion will begin in Spring 2006. The project, said Everett, is meant to meet the “southwest campus demand,” and not simply to accommodate the occupants

of the Bioengineering Building. (Though they will surely appreciate and avail themselves of the advantage presented by the new garage facility.) Everett said that, even with the 326 new parking spaces, the University's total number of parking spaces will still be below the maximum allowed capacity stipulated in the Master Plan.

**Campus Alterations Policy – Jeraldine McCray, Associate Vice President, Facilities Services; and Rick Cheney, Director, Facilities Services, Maintenance and Alterations**

McCray said, "The Campus Alterations Policy formally establishes policy governing alterations to campus buildings and grounds, which is the work that Maintenance and Alterations performs at the University of Washington."

McCray said that most buildings on the UW Seattle campus are old and have significant amounts of asbestos and lead. This alone, she stressed, is a major reason – though there are other reasons – why occupants of buildings on campus should contact Facilities Services and let them do any alterations that are needed. As McCray said, "We do not want people disturbing asbestos or any other regulated material. We need to have people let us do their alterations. Otherwise, the University can be fined for disturbing materials such as asbestos. All work must comply with building codes and must be safe."

McCray said, "This is a formal presentation to the campus. It is a response to the question: How can we provide the best information to the whole campus? This is essentially a presentation formatted for an Internet site. In 2003, a small group of people from Engineering, Capital Projects, and other campus units looked at ways of creating an Internet site on alterations to campus buildings and grounds, a site at which a formal policy statement and departmental/college responsibilities can be clearly presented. The handout distributed by McCray is approximately what that site will look like, and contains the information that will be made available on the site.

"We have sought advice from many different people and revised our information to make it as logical as possible," said McCray. "Once we have it in the best form possible, and after FCUFS approves the policy, the Executive Vice President will present it to the Capital Finance Committee and then to the Board of Deans. Facilities Services will distribute this material to all senior administrators who report to the Board of Deans. The Policy shows all components of what we do in alterations on campus, and tells member so the campus community how to begin an alteration project. It then leads them through the project. It also discusses related requirements that people must know while the alteration projects are being carried out."

Schaufelberger said he is aware of two alteration projects that faculty will likely attempt on their own: painting their office – or some part of their office – and moving furniture around. "People will do these things. Should people ask *you* what they *can* do?" McCray responded: "Sometimes, we have to have a memorandum sent to a unit to let them know what they *can* and *cannot* do. And yes, if someone is putting a bookshelf in, they should contact us. And they should contact us about any painting project they have in mind." Cheney said, "At least contact us, regardless of the alteration. Even walls have asbestos. Asbestos is used every day. And lead is an even bigger issue, with respect both to painting and to other projects."

The council expressed unanimous approval of the Policy on Alterations to Campus Buildings and Grounds.

"You might give us an annual update on this Policy, and on issues related to the Policy," Schaufelberger suggested. McCray said this would gladly be done.

**Next meeting**

The next FCUFS meeting is set for Monday, May 16, 2005, at 11:30 a.m., in 36 Gerberding Hall.

Brian Taylor  
Recorder