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### **Nature of Request:**

Space for the University of Washington Amateur Radio Club (ARC)'s ham radio station.

### **Summary:**

The UW ARC (W7YD) has had space at the UW for approximately 100 years. ARC lost its longtime home in Sieg Hall in 2022 and is now seeking a permanent location, preferably on or near the Montlake campus, to house its ham radio station and allow club members to carry out related activities and experiments. W7YD is a sanctioned student activity.

Ham radio is a valuable resource for emergency operations and is a part of the King County and Snohomish County Emergency Operations Centers (EOC). UW Medicine Montlake has a ham radio station in its EOC.

### **Detail and Requirements:**

In order to support its mission and to perform club activities, ARC is seeking a space to house our radio equipment and antennas.

Such space would ideally have these following characteristics:

- Accessibility by UW students and club members (typically alumni, graduates, retirees, and employees), including days, evenings, and weekends.
- Availability of the space for many years going forward (e.g., not temporary)
- Standard 20A outlet
- Internet connectivity
- Wiring access to and a location for antennas, preferably with roof access
- Space:
  1. 20 square feet of dedicated space (about one 19" rack)
  2. 100 square feet of workspace in addition to above (less is needed if in a meeting room or hallway)
  3. Shared space for meetings of 20-25 people (may be remote from above)
- Environment tolerates 100 watt RF from 1.8 MHz to 1 GHz (e.g., an iCom 7100).

### **Alternatives explored:**

1. Newer equipment allows for remote access (e.g., operating the station [Space b] can be remote from the transceiver(s) [Space a]).
2. EOCs often include ham radio stations. The UW EOC in the basement of UW Tower is restricted to card access and does not have ham radio. The UW Medicine EOC is in a hallway and does not have space for additional equipment. EOCs also limit changes to equipment or antennas and are not ideal for experimentation.

### **Possible options:**

1. Common student or meeting areas are ideal from an access standpoint, but it is not clear whether dedicated space for the equipment can be identified. Such spaces on campus include the HUB or UW Tower (23<sup>rd</sup> floor is a meeting area).
2. As history supports, W7YD has been located in an engineering building and such buildings have environments highly compatible with ham radio stations.