

## Addendum to Amateur Radio at Stanford: Its Role in Competitive Advantage

### Personal Experience — Over Half of Silicon Valley History

This presentation reflects over 60 years of my personal Stanford and Silicon Valley experience.

### Villard and the HF Beacon Network

An additional aspect of my fruitful relationship with Mike Villard: When he proposed the concept for the NCDXF/IARU HF Beacon Network. I was recruited to design the first systems that were distributed and licensed worldwide for multiband operation [<https://www.ncdxf.org/beacon/earlyhistory.html>; <https://www.ncdxf.org/beacon/QSTpart1.pdf>].

The experience of obtaining FCC permission for the beacons was directly helpful in my later efforts to promote allocation of unlicensed frequencies for WiFi, through my roles in WINForum and IEEE 802.11, and my wireless consulting for Apple Computer.

### Revised Slides

A second revision of the slides has been posted. The minor changes or additions include:

Added Tay Howard W6HD, Paul Flaherty N9FZX to Stanford amateur-radio Examples I

Removed duplicate A. Hoyt Taylor 9YN from Examples I, remains in Examples II

Corrected spelling of Vannevar Bush, added "Jr." to Villard name throughout

Added references for Oral History Interviews and Biographical Memoirs