

PSC #4
July 2021

Moved by: Mr. Ritz
Seconded by: Ms. McIntyre

2021 ARRL Technical Innovation Award

WHEREAS, The *ARRL Technical Innovation Award* is granted annually to the licensed radio amateur or to individuals who are licensed radio amateurs whose accomplishments and contributions are of the most exemplary nature within the framework of technical research, development and application of new ideas and future systems in the context of Amateur Radio activities; and,

WHEREAS, The ARRL's Programs and Services Committee serves as the award panel and reviews the nominations received from the members and selects the winner(s) of this award; and,

WHEREAS, Steve Haynal, KF7O has been the instrumental and the driving force behind the Hermes Lite 5W HF SDR transceiver as an open source hardware and software project, (even down to the tools to create the PCB), enabling the design to be fully shared and developed by other amateurs for the good of the hobby; and,

WHEREAS, Wojciech Kaczmarek, SP5WWP, developed a new digital radio communication protocol for radio amateur called M17. M17 is a new digital radio protocol as an alternative to those currently available, with freedom in mind; Freedom in the code, protocol, voice codecs, and hardware. The goal is to provide a better and sustainable option for digital radios in the future, which is both fully patent-free and open-source. His project has led to development of DroidStar (an Android application) by Doug McLain, AD8DP, and has been used by others to advance the radio art; and,

WHEREAS, Roger Clark, VK3KYY, spearheaded a successful effort to reverse engineer the low cost Radioddity GD77 handheld so that it can be used by blind or visually impaired operators, significantly lowering the "cost of entry" for these amateurs.

THEREFORE, the ARRL Board of Directors, with the recommendation of the Programs and Services Committee does hereby bestow *2021 ARRL Technical Innovation Awards* to Steve Haynal, KF7O, Wojciech Kaczmarski, SP5WWP, and Roger Clark, VK3KYY.

Cost: Plaque fabrication less than \$100, minimal staff time for administration (award, preparation, delivery, etc.)