

**Report to the ARRL Board of Directors
International Affairs Vice President
July 2019**

Thank you for the privilege of serving as ARRL IAVP. It is my pleasure to report to the ARRL Board and detail my activities on behalf of ARRL since the January 2019 board meeting. If you have a question regarding anything in my report or my activities as ARRL IAVP, please email or telephone me at your convenience

Summary of meetings attended

IARU Region 2 virtual Executive Committee meetings, January 21, 2019 and March 21, 2019
ARRL Executive Committee meeting – Dayton, OH, May 20, 2019
Meeting with representatives of IARU and Region 1 IARU, Friedrichshafen, Germany, June 21, 2019

ARRL COMMITTEES

Executive Committee -- Participated in the May Executive Committee Meeting and provided the EC with an update on current IARU activities and Region 2 activities.

IARU ACTIVITIES

IARU Region 2 Executive Committee

Each year the Region 2 EC meets at least quarterly. Three of those meetings use Skype and one meeting is in person. This year the in person meetings will precede and follow the IARU Region 2 General Assembly in Lima Peru, September 30 to October 2, 2019. The January and March vEC meetings were in preparation for the General Assembly this Fall. I am leading the group preparing proposed updates to the Region 2 Constitution and Bylaws, Additionally, I am leading the group looking into securing tax exempt status for the Region 2 Operating arm.

IARU Region 2 Treasurer

IARU Region 2 has established an US based operating entity to deal with routine financial matters. As Treasurer of Region 2, I am working toward securing tax exempt status for the operating entity

IARU REGION 2 ACTIVITIES IN PREPARATION FOR WRC19

CITEL is the sole Regional Telecommunication Organization (RTO) in Region 2. ITU looks to the RTOs in its decision-making process. It is imperative that Amateur Radio have a strong presence in CITEL meetings. Flavio Archangelo, PY2ZX as the IARU Region 2 CITEL Coordinator. Flavio continues to represent IARU Region 2 at all significant CITEL meeting where CITEL's WRC19 positions are determined. Frequently PY2ZX and ARRL's Technical Specialist, Jon Siverling,

WB3ERA, will both attend CITEL and preparatory meetings. They work cooperatively to represent amateur radio interests. Jon brings his considerable skills and the technical resources of ARRL to the table, while Flavio compliments that work with his technical knowledge and by showing a cooperative and consistent position of the amateur radio interests throughout Region 2.

Current IARU Issues in CITEL. The primary issues of interest to amateur radio in CITEL remain the same. They are:

1. Protecting current allocations.
2. Simplifying the Administrative Process for frequency coordination in the Amateur and Amateur Satellite Service.
3. The Revision of the IARP, the International Amateur Radio Permit. (NOTE: CITEL has already taken major steps toward travel reciprocity a reality with Region 1)
4. Generating support in CITEL and constituent administrations for IARU WRC-19 initiatives.
5. Harmonization of the 50 MHz Amateur bands in all regions

Other Important Issues

French Proposal to Change Primary Allocation of 144 to 146 MHz in Region 1

The background document from IARU Region 1 is attached as ATTACHMENT 1. It provides the background to the French Proposal and information necessary to answer questions from concerned amateurs.

As stated in the background document, no action is needed at this time, from member societies outside CEPT countries.

At the appropriate time, It would be advisable to let our administration (Department of State and FCC) know we support the current worldwide primary allocation of 144-146 MHz to amateur radio and join in IARU's opposition to the French proposal and would oppose any similar proposal for reallocation in Region 2. Radio Amateurs of Canada (RAC) have already taken those steps with their regulator.

Wireless Power Transfer (WPT)

Wireless Power Transfer (WPT), the transmission of power from a power source to an electrical load wirelessly using the electromagnetic field is becoming pervasive.

The problem is less the operating frequency, and more the harmonics. At low power levels it presents a reduced risk of interference at the emission levels currently employed in devices such as iPhones. It is important to recognize that the WPT emission level of an iPhone and similar Apple devices are considerably **below authorized current standards**. If the standards

aren't lowered to those readily achievable WPT emissions the market could be flooded with devices designed to be sold at a low cost and meeting the minimum emissions standard.

Large vehicle systems operating at 10 to 20 kw or more are a much greater problem. These systems rely upon inductive coupling, either magnetic induction or magnetic resonance from the source to the load. The frequency varies to optimize coupling. They have long operating cycles and are rich in harmonics.

The current emission standards were not determined with devices operating at these power levels and geographical densities in mind.

The ARRL should seek an opportunity to assess the potential risks to the amateur service from WPT as soon as they are able to access an EV WPT system for evaluation with the goal of determining the level of spurious emissions that will not interfere with current authorized allocations.

The CEPT Report identifies WPT technology as a serious risk, if ARRL's assessment agrees with the sentiments in the CEPT Report we must advocate for common sense to apply in the US.

IARU Region 1 has working relationships in Europe, including working relationships with NATO, French Military, BBC, EBU, EAS application (RFID) and several national spectrum regulators. They have each played a prominent part in the development of the CEPT Report and the new ITU Report.

If, as the data shows, the FCC emission limits (particularly regarding harmonics of WPT systems) are not appropriate protection of amateur spectrum in the US, we need to work to show that WPT can work at lower, non-interfering levels. Apple has already shown this is possible with its iPhone, iPad and other devices.

Seeking appropriate emission levels involves changing the current standards. We can't do this alone. ARRL must find partners among other spectrum users and establish a common position on the WPT threat, such as, NABA, DoD/Army/Navy, Coastguard, compliant industry leaders, etc.

Foreign Members

Though too frequently overlooked and without a voice in ARRL, foreign members comprise more than 5% of ARRL membership. As of the end of June there were 8,428 foreign members. That is more than 5% of ARRL members and more members than in 5 of the 15 ARRL Divisions. We need to value their commitment and recognize the wisdom of listening to them just as we listen to division members.

Respectfully submitted,
Jay Bellows, KØQB
International Affairs Vice President