Most microwavers operate while exposed to the elements.

Bruce Richardson, W9FZ, w9fz@w9fz.com

On August 15 – 16 and September 19 – 20, multiple microwavers took to the “ultra highs” for the ARRL 10 GHz and Up Contest. Most operators head to the mountains, shorelines, and plains to find broad horizons that allow their microwave signals to traverse a good distance. While trying to make the best of the weather, rain can be good or bad, depending on where it is!

Not Just Line of Sight
If you think microwave means only nearby contacts, think again! Both East and West Coast operators made multiple 600+ km contacts. Barry, VE4MA, worked 1861 km on 10 GHz via moonbounce EME. Gary, AD6FP, had the longest terrestrial 10 GHz QSO this year at 669 km. On 24 GHz, Gary, AD6FP; Lars, AA6IW, and Steven, W6QIW, all worked 345 km. On 47 GHz, AA6IW and W6QIW also connected at 345 km. VE3OIL and VE3SMA made contacts at “light” frequencies above 300 GHz — increasing their range to 4 km.

Looking Ahead
If you’ve never transmitted on the microwaves and find this intriguing, reach out! There are groups of activity around the country. Many have loaner rigs to use. Consider subscribing to the “microwave reflector” at lists.eclectechs.com/cgi-bin/mailman/listinfo/microwave for e-mail chatter. Start making plans today to be on the air August 20 – 21 and September 17 – 19, 2016.

Bigger Opening Online
Be sure to see all the results and more pictures of microwave stations in the full web-only report at www.arrl.org/contests — look for the 2015 10 GHz and Up listing.