

## Fred Lass; K2TR Bio

1964 First licensed as WN2OEU  
1967 Attended Rensselaer Polytechnic Institute, (W2SZ)  
1969 Founding member of the Mt. Greylock VHF contest effort  
1970 Made the top ten in Sweepstakes single op SSB from WNY  
1973 Experimented with the first Upper/Lower/Both antenna system  
1974 Became a key antenna installer at W2PV; helped Jim figure out how to model antennas for stepped element diameters.  
1974 & 1975 Highest East coast Sweepstakes SSB score  
1975 Presenter at Dayton Hamvention along with W2PV.  
1976 Was the audio engineer for the ARRL CW training tape "Tune in the World with Ham Radio"  
1979 Won Sweepstakes both modes from the West Indies  
1979 First person to engineer a circularly polarized TV transmit antenna on an existing tower  
1981 Began construction of his own three-tower Multiop station  
1982 Published coax stub filter article in the YCCC "Scuttlebutt"  
1984 First of five K2TR Multi-2 #1 USA plaque wins  
1989 Elected president of the Yankee Clipper Contest Club  
2003 Configured a multi-station Digital TV antenna, tower, and combiner system; led the group of engineers to build it.  
2008 Converted WRGB's studios from analog video to full HDTV, the first in all of Upstate NY.  
2024 Won first place in QST's antenna design competition (6 meters)  
2025 Presenter at Dayton Hamvention "Wideband Wire Antennas"  
2025 QST article published titled "The Tomato Stake Antenna"  
2026 Winner of the December 2025 QST cover plaque award