

# Southern Maryland Amateur Radio Club

## “Master Class”

### Make and Take

Hi Guys,

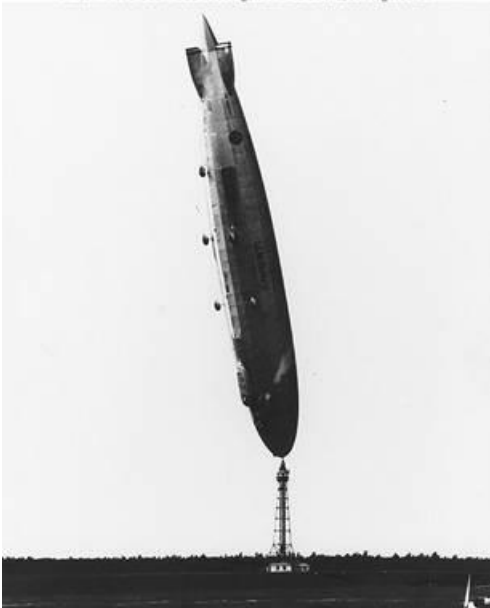
As a treat for you this month for our Master Class, we have a building project planned that you can really use. We will meet November 11, Veterans day 7 PM at the usual club training facility, my QTH. We will have a Make and Take night for 2 Meter and or 440 Ladder Line J Pole antennas. These are super antennas for quick deployment in any situation. They roll up in a nice small disc, can handle 75 KW of power and have a flat VSWR to 1:1 across the entire Ham Band. Sounds fishy? Sorry, I will talk for just a little while to show what they really can do and how they work. This is a continuation of the antenna and feed line talk we did last time we met which really went well. You will learn how we can use a shorted stub ( you do know what a stub is, right?) to match this strange antenna and what the dimensions mean. When we are done you will be able to design and make an antenna on ANY band you want, even HF. This is the give a ham an antenna and he can work a band or teach him to how to make his own and terrorize the entire RF spectrum idea.

The club has made these antennas out of copper pipe years ago and I think all of them are still in operation. I know the four I made are still up and work like the day I made them.

I like to ask you a question to get you thinking about what we are going to talk about so here it is. What did the Zeppelin have in common with J pole antennas? I am talking about the big air ships, think Hindenburg not Led Zeppelin the band. Old hippies just never give up.

This was not photo shopped, this air ship was hit with an updraft, I bet they spilled their drinks that day and no, the answer to the question is not “It was the first vertical antenna”.

Photo # NH 84568 USS Los Angeles stands on end, 25 August 1927



Charles (AA3WS) has gone the extra mile and has donated the Ladder line. Ken (KA3POX) has PL259 connectors and Coax ready for us to use so we should have everything we need to make the antennas all we need is YOU. I will provide the work space and what we need to tune them up. If you want to bring your antenna analyzer please do and we can have more folks working at the same time.

As in the SMARC tradition, we will have a light dinner. If you are tired of the gourmet dogs I have been pushing, feel free to bring something else to share. I think we can handle just

about anything you bring. We will have lots of folks moving around making things, measuring VSWR and soldering their fingers together, so this will be a good time to have a nice eyeball QSO and some munchies. Anybody up for Nachos and Cheese? I need a vote of yes from some of you and I will get the stuff for them.

These make and take nights are always a lot of fun. So bring the wife, girlfriend, boyfriend significant other or anybody else you can drag out. I am sure we will have the fire pit going and maybe some Hot Cider to warm us up. Anyone interested in coming is welcome. Other clubs and folks that are mildly interested are invited. November is election month for SMARC so come on out and vote your buddy into office. You might want to show up just to be sure you don't get elected, no we wouldn't do that! Or would we?

My address is:

12701 Molly Berry Road  
Upper Marlboro, MD 20772

Talk in will be on the SMARC repeater. 147.150 PL 114.8

Vic  
WA3YUV

