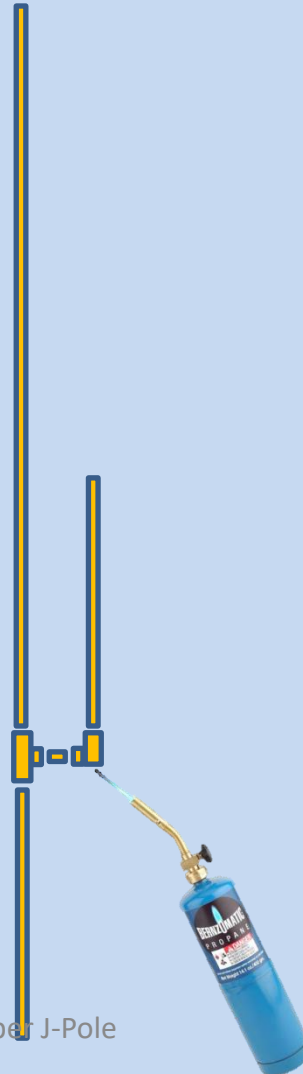
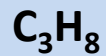
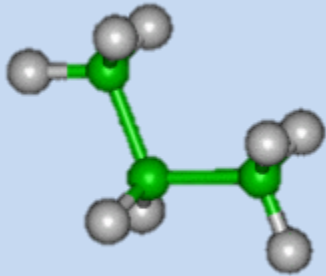


# 2 Meter Copper J-Pole

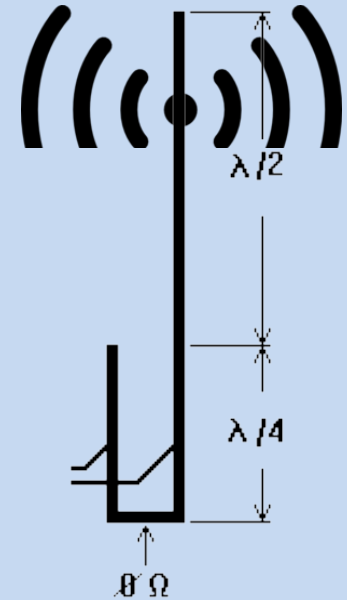
Allen Wolff - KC7O

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November 2017



Copper J-Pole

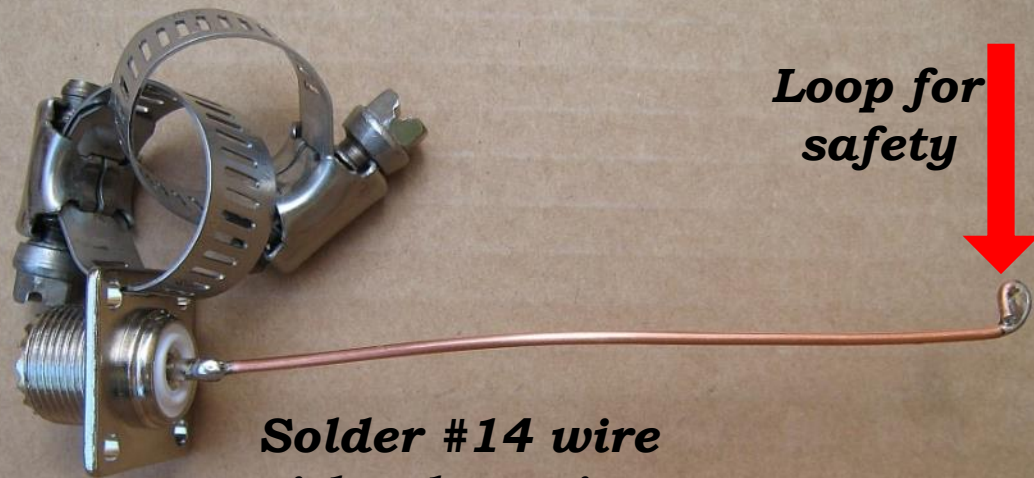


# ***2 Meter Materials***

- ***10' 1/2" copper pipe – Grade L***
- ***Cut sizes for 146 MHz***
  - ***58 1/2"***
  - ***21 1/8"***
  - ***1 3/8"***
  - ***Length for the support ~ 12"***
- ***1/2" copper fittings***
  - ***1 – 90° elbow***
  - ***1 – “T” fitting***
  - ***2 – end caps***
- ***2 - SS hose clamps (3/8" to 7/8")***
- ***~ 6" #14 bare house wire***
- ***SO-239 bulkhead mount connector***

## Home Depot small quantity price - April 2015

10' - 1/2" copper pipe - Grade L	1	\$14.98	\$14.98
1/2" Copper Tee	1	\$1.19	\$1.19
1/2" copper elbow	1	\$0.69	\$0.69
1/2" copper end cap	2	\$0.69	\$1.38
3/8" - 7/8" SS hose clamps	2	\$0.94	\$1.88
			\$20.12
Tax		9%	\$1.81
SO-239 new - swap meet (\$3+ web)	1	\$1.00	\$1.00
			\$22.93



***Solder #14 wire  
with a large iron***



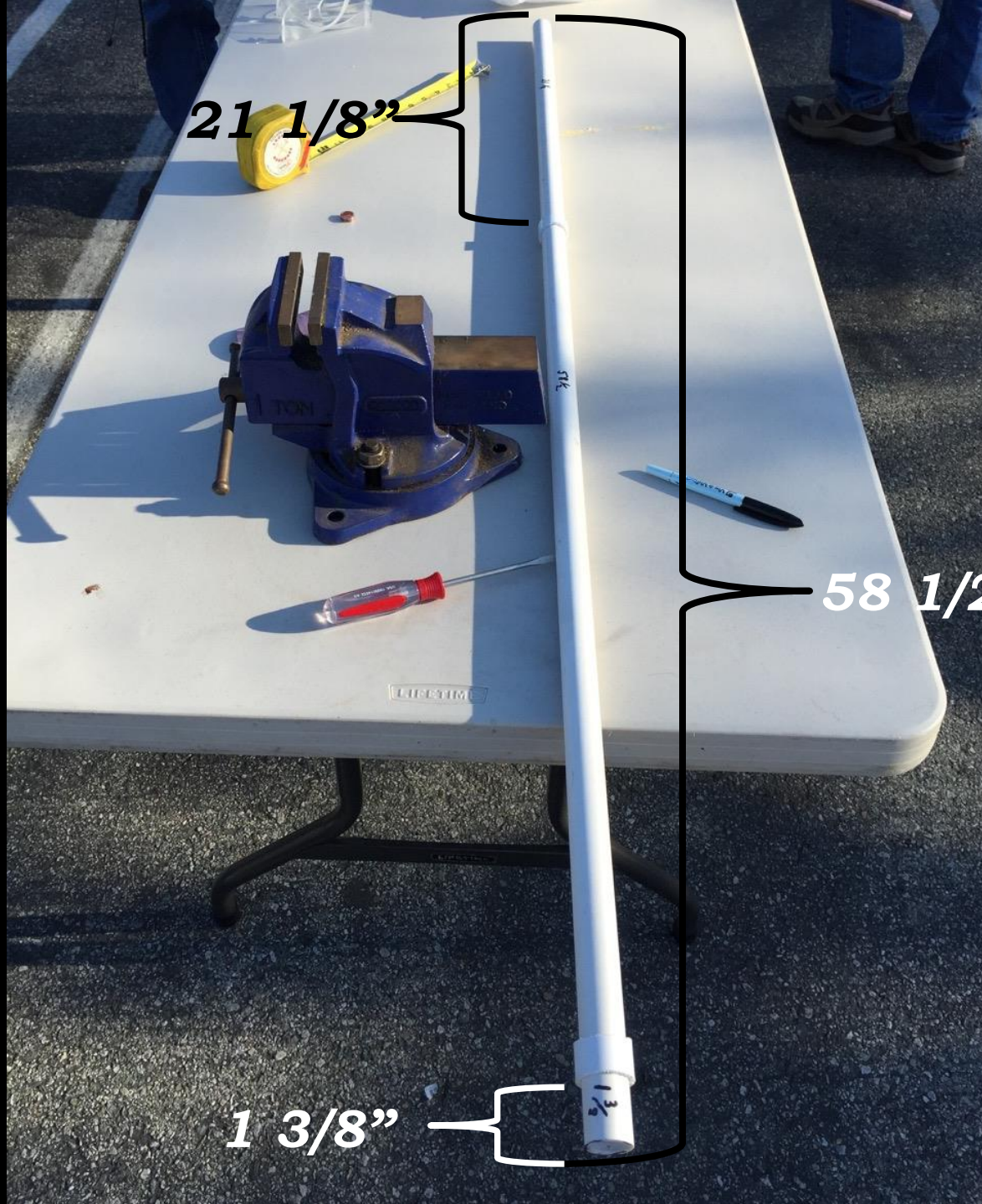
***SO-239 Chassis mount  
modified with a slot***

# Story Stick

21 1/8"

58 1/2"

1 3/8"

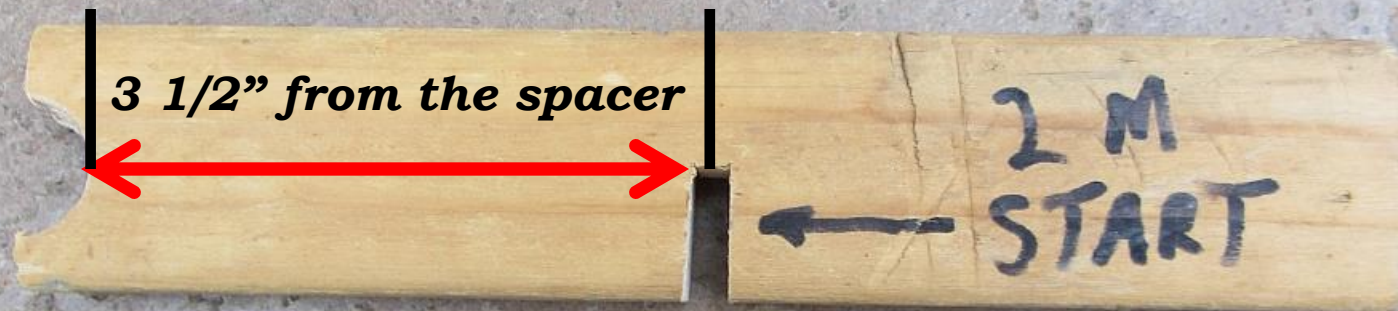


# *Assembly Fixture*

**Bungee**

**1 3/8"  
wood  
spacer  
controls  
2" center  
to  
center**

**O.D of pipe  
is 0.625"**





***Establishes a  
starting point***

***Bend and attach  
the wire to  
the long section***

***Attach SO-230  
to short side***

***Move up and down  
to get  
best match***

