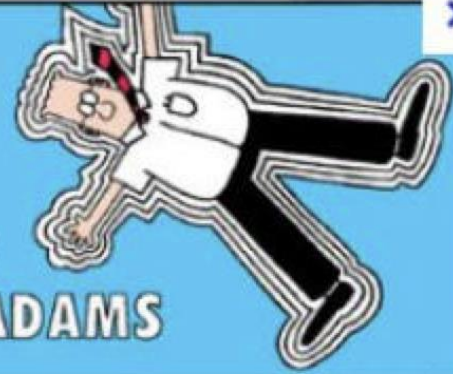


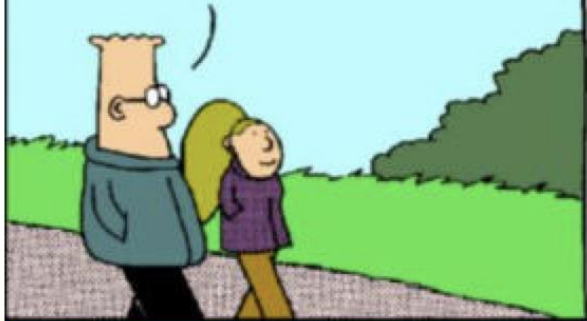


DILBERT[®]



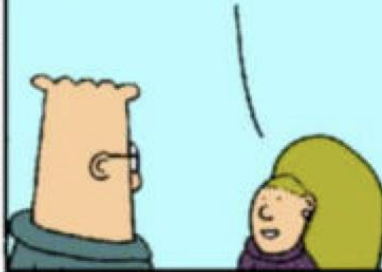
BY
SCOTT ADAMS

IF I LEFT ENGINEERING AND BECAME A MANAGER WOULD I BE AS SEXY AS I AM NOW, LIZ?

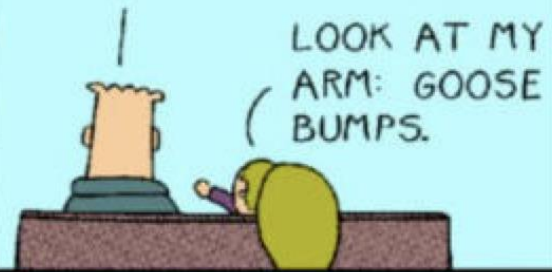


S Adams E-Mail: SCOTTADAMS@AOL.COM

I THINK IT WOULD DECREASE YOUR SEX APPEAL BY 17%. BUT THAT'S JUST A PLANNING NUMBER.



WHAT IF I GOT MY HAM RADIO LICENSE TO COMPENSATE FOR THE LOSS?



LOOK AT MY ARM: GOOSE BUMPS.

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FIRST HF CONTACTS

CAMERON GORDON, W0CAM

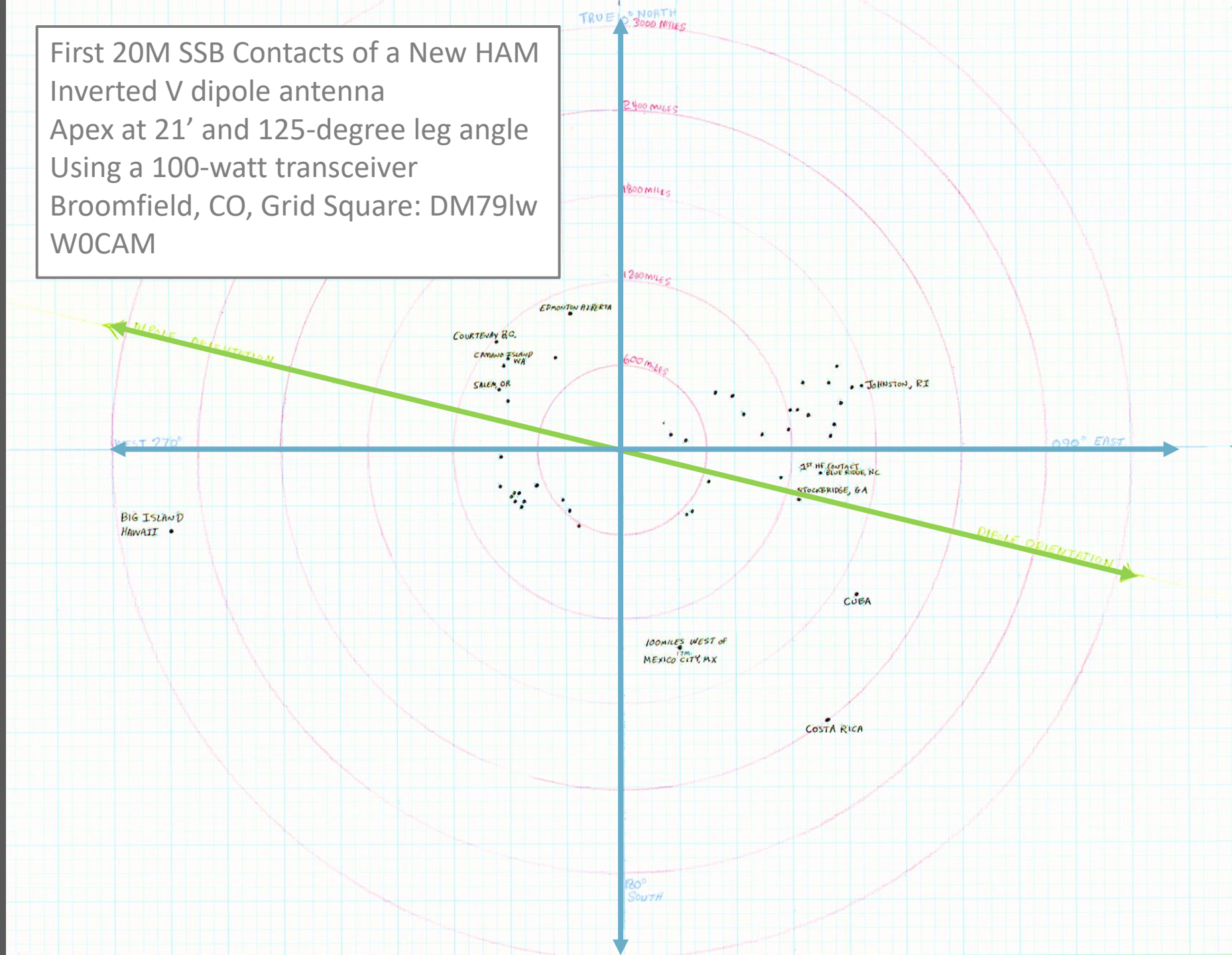
CAMERONJGORDON@PROTONMAIL.COM

BROOMFIELD, CO





First 20M SSB Contacts of a New HAM
Inverted V dipole antenna
Apex at 21' and 125-degree leg angle
Using a 100-watt transceiver
Broomfield, CO, Grid Square: DM79lw
WOCAM





K7IOG

CAMANO ISLAND

Island County ~ Washington State ~ U.S.A.

ARRL Life mbr/RCC/DXCC/WAS(SSB & PSK)/WAZ/Ham since 1958

US Island: WA003S / Grid: CN88rd / ITU: 6 / WAZ: 3



Confirming QSO with:	Date (Z)	UTC	Band	Mode	Pwr	Report
AEØFT	10 MAY 2019	22-29	20M	SSB	500	5x4

R. Lee Folgedalen

73!

370 N E Camano Dr #5-141, Camano Island, WA 98282

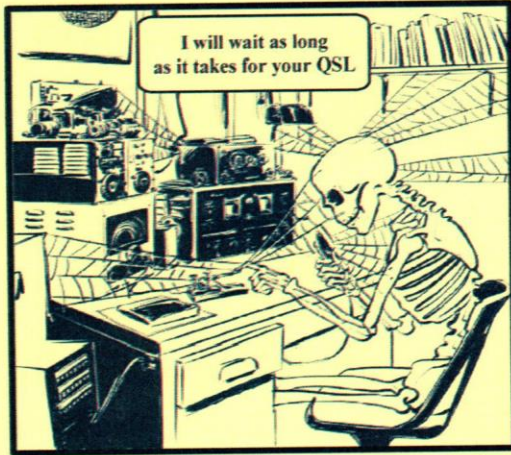
Pse QSL Tnx

W9IMS

INDYCAR GRAND PRIX
May 11, 2019

Indianapolis Motor Speedway
Amateur Radio Club

Simon Pagenaud wins wet-and-wild IndyCar Grand Prix



PAHRUMP, NEVADA USA

W7YJC

Nye County - DM26ae

Warren Brown
1250 Deerskin Street
Pahrump, NV 89048



#693



#3814

Confirming QSO with	Date Day/Mo/Yr	UTC	MHz	RST	Mode	QSL
AEØFT	24 JUN '19	2144	14392	5/9	SSB	Pse <input checked="" type="checkbox"/> Tnx <input type="checkbox"/>

QSLTOONSC cheapqsls.com

N7XU - K4XU

Bend, Oregon

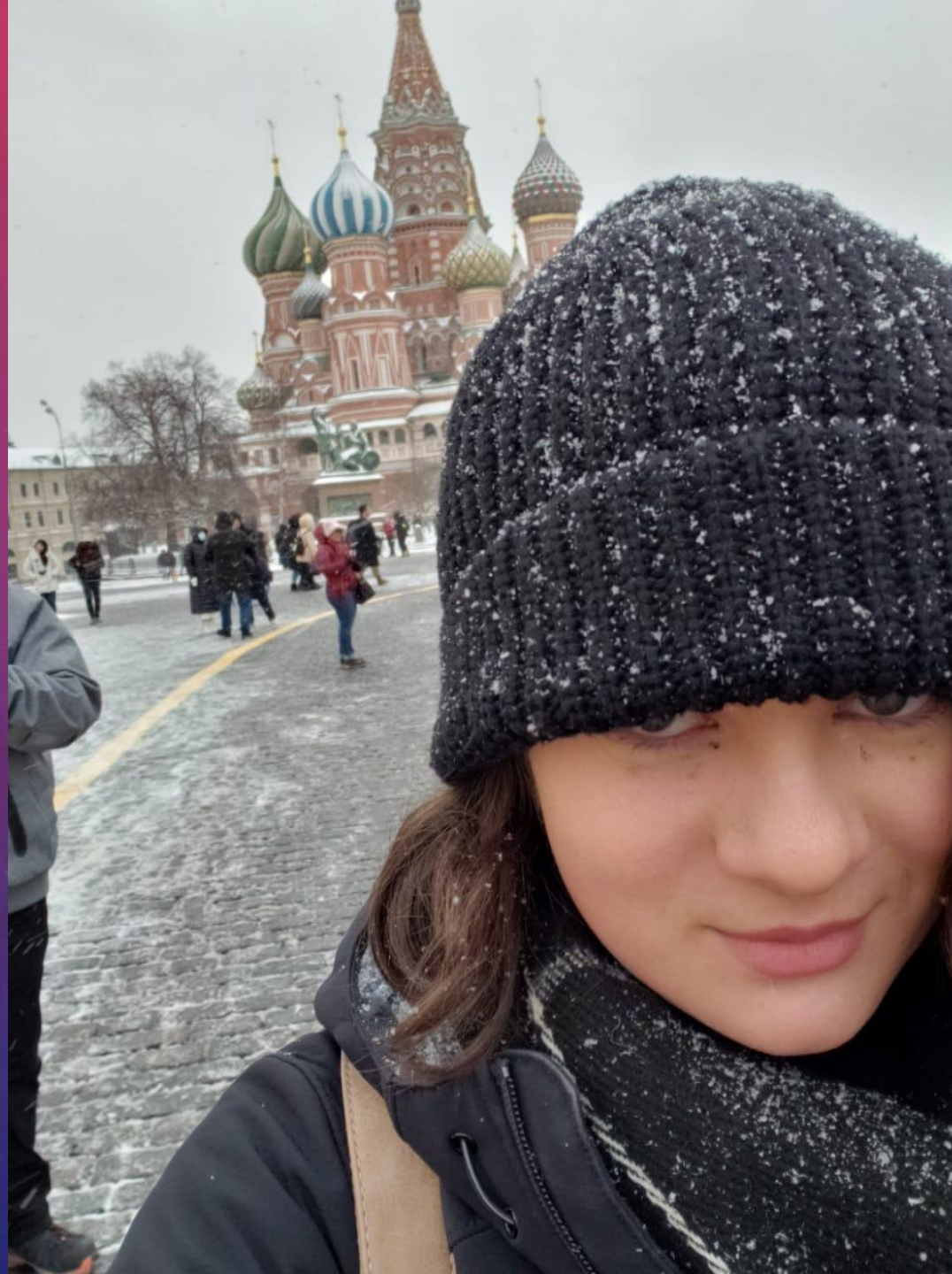
TAKEAWAYS:

- Don't forget the excitement of your first HF contacts. Review that first logbook.
- Offer to help new hams and get them started off right.
- A new ham will have many questions on station setup, antenna setup, grounding, understanding the transceiver controls, and operating.

TAKEAWAYS CONTINUED:

- HF operating etiquette was intimidating for me as it seemed people used different protocols and Q codes where they didn't make sense to me.
- I would like to encourage those who haven't tried HF to do so.

WHAT'S
NEXT?



The background features a dark blue-to-purple gradient with faint technical diagrams, including circular gauges and frequency scales. A prominent scale on the left side ranges from 40 to 260 in increments of 10. The main title is centered in large, bold, white capital letters.

17M INVERTED V DIPOLE TRIMMING RESULTS & LESSONS LEARNED

CAMERON GORDON, W0CAM

CAMERONJGORDON@PROTONMAIL.COM

BROOMFIELD, CO

DIPOLE LENGTH:

- 17M phone portion of the band ranges from 18.110 to 18.168MHz with **18.139MHz** being the center frequency
- Determine a starting length for each leg with the standard formula:
- $468/\text{frequency (MHz)} = \text{Total length in feet for a } \frac{1}{2} \text{ wave dipole}$
 $468/18.139\text{MHz} = 25.8'$
- $25.8'/2 = 12.9'$ per leg = 12'-10.8"
- **12'-11"** long was chosen as the starting point for each leg of the dipole





TRIMMING RESULTS:

	Step 1	Step 2	Step 3	Step 4	Step 5
	Starting Length*	Trimmed off 4"	Trimmed off 4"	Tightened Legs only**	Trimmed off 2"
Length→	12'-11"	12'-7"	12'-3"	12'-3"	12'-1"
Frequency ↓	SWR	SWR	SWR	SWR	SWR
18.123	4.6:1	3.4:1	1.96:1	2.5:1	1.93:1
18.137	4.6:1	3.5:1	1.96:1	2.5:1	1.92:1
18.143	4.6:1	3.5:1	1.96:1	2.5:1	1.93:1
18.153	4.6:1	3.5:1	1.96:1	2.5:1	1.91:1
18.163	4.6:1	3.5:1	1.96:1	2.5:1	1.92:1

LESSONS LEARNED:

- Straighten out the wire as much as possible and double check that both legs are the same length from the beginning. The spool memory shape makes the wire difficult to work with. There is better wire available than what I used from Home Depot. DX Engineering sells “Premium Antenna Wire” that is relaxed and very easy to work with.
- Depending on the initial reading, trim off 2” at a time until a 2:1 SWR reading is achieved. Then trim off 1” at a time to get close to your desired SWR. Trimming of a little length makes a big difference on the SWR.

LESSONS LEARNED CONTINUED:

- Hoist the dipole to its height it will be used at before measuring SWR every time. Mine is on a pulley so this was easy to do.
- Take the time to fully tighten up both legs after each trimming before measuring the SWR. Saggy legs did make a difference in readings. Adjust the antenna rope and turnbuckles.
- Have a second person help. I did it alone which was not wise due to the ladder work and awkward position of one of legs. The process would have gone much faster with two people working together.

LESSONS LEARNED CONTINUED:

- Height above ground, objects in the area, and leg angle greatly affect length. Finished 10" shorter on each leg than the equation starting point length.
- Reading about antenna trimming and doing it are very different things. Enjoy the process.
- Perfection isn't required to make contacts. This compromised antenna works! Put up the HF antenna that you can for your location.

WHAT'S NEXT?

- Continue to experiment and learn.
- Maybe trim this dipole down to 10M and see what happens.
- Questions?

