



The Short Circuit

SEPTEMBER 2018

since 1927

Volume 91, Issue 9

The September meeting of the United Radio Amateur Club will be held SATURDAY, September 1st in conjunction with the First Saturday Breakfast, 8 am at the Think Café (302 W 5th Street) in San Pedro.

Program: San Blas Islands, Vacation DXpedition in Panama, Bob Grubic NC6Q

On a family vacation to the San Blas Islands of Panama, Bob NC6Q managed to squeeze in some tropical hamming in a paradise setting on a Caribbean island. While others went snorkeling, Bob went CQing. Learn how you can do this too!

An added short bonus: how to operate from INSIDE a Faraday cage!



Bob NC6Q has been licensed for over 40 years and holds an Amateur Extra Class license. Though inactive for many years raising a family, he's been very active the last 15 years.

He has served in many ham radio positions, including:

- ARALB:
Board Member, Membership Chairman, W6RO Assistant Manager, W6RO Wireless Room Operator, Field Day Chairman, Ham of the Year, Instructor for: 2 CW Classes and Radio Propagation Lessons for a General Class Course, The Milliwatt newsletter editor
- LAX ARES:
Assistant South District Emergency Coordinator, Net Manager, Net Control Operator, Baker-to-Vegas radio operator
- Organizer and Net Control Operator for a Slow Speed CW Net

Bob often operates portable from the Republic of Panama.

Bob is a member of the Associated Radio Amateurs of Long Beach (ARALB), FISTS, CDXC, SCCC and a Life Member of the ARRL. He is a retired English teacher and enjoys HF CW contesting, Field Day, and portable operations.

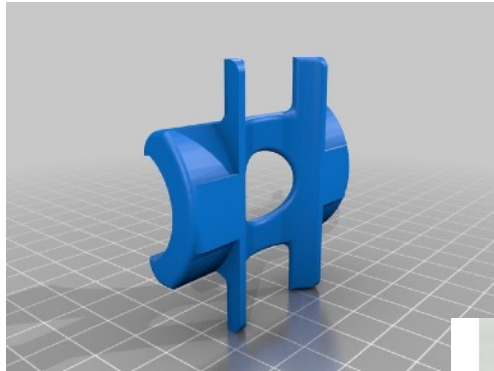
3D Printed Darts for <am Fadio ... By Dan Romanchik, KB6NU

One of the things I keep telling myself is I need to learn how to do 3D printing. This morning I ran across a couple more 3D printing projects for ham radio which I thought I'd pass along.

The first I found on reddit: *3D Printed Parts for Portable Tape Measure Yagi Designs* (www.reddit.com/r/amateurradio/comments/963br3/3d_printed_parts_for_portable_tape_measure_yagi/).

The summary, on *Thingiverse* (www.thingiverse.com/thing:3042505) which is a website where "makers" share their designs, says:

"These parts are made for use with 1-in. PVC pipe and 1-in. Harbor Freight tape measure steel. You can use electrical tape to attach the element holders to the side of the pipe, and use the



driven element bridge to give structural rigidity across the driven dipole element. I have used this with up to 5 elements on 2m with good success. When not using the antenna, just pinch the elements to remove them from the holders, and store them INSIDE the tube! you can add some end caps to make this ultra portable. Use these parts with any of the multitude of tape measure YAGI design guides online."

Here's a look at an antenna made with these parts:

The element holders are attached to the boom with electrical tape. While I haven't tried it, I'd suggest the antenna might be a bit more robust if you could screw or perhaps glue the holders to the boom.



There are lots of other cool amateur radio 3D printing projects available on *Thingiverse* (<https://www.thingiverse.com/search?q=ham+radio&dwh=415b6d8da129c3c>). Browsing through the list quickly, here are just two that look like they might be useful to me:

- Soldering Fingers (<https://www.thingiverse.com/thing:1725308>). This project looks simple and quick.
- μ Bitx Case (<https://www.thingiverse.com/thing:2925336>). I still gotta do something with the μ Bitx I bought. This looks like it might get me started.

Finally getting in gear

Last week, I attended a 3D printing class at our local maker space, All Hands Active (allhandsactive.org), and now I feel like I can finally attempt a 3D printing project. I'm thinking

Continued next page

And, while these projects all seem pretty cool, I feel like I'm only scratching the surface.

Have any of you 3D printed anything cool for your ham radio projects? Is there another source of designs for ham radio 3D printed stuff besides Thingiverse?

When he's not 3D printing enclosures for his ham radio projects, Dan blogs about amateur radio, writes exam study guides (www.kb6nu.com/study-guides), and operates CW on the HF bands. Look for him on 30m, 40m, and 80m. You can email him about your experiences with 3D printing at cwgeek@kb6nu.com.

September Special Event Stations -<https://ke2yk.com/special-events/>

- **09/01/2018 | 208 years First National Board of Government Sep 1-Sep 30, 0000Z-2359Z, XR208A**, Los Angeles, CHILE. Discolo DX Group. 40, 20, 15, 10 meters. Certificate & QSL. DiscoloDxgroup, P.O. Box 422, Los Angeles 4449401, CHILE. Other calls: XR208A, XR208B, XR208C, XR208D. See website for details. www.discolodxgroup.cl
- **09/01/2018 | 39th Annual Trek to Ghost Town of Paradise Sep 1-Sep 3, 1800Z-1800Z, K7RDG**, Sierra Vista, AZ. Cochise Amateur Radio Association. 28.355 21.215 14.315 7.230. Certificate. Cochise Amateur Radio Assoc. K7RDG, P.O. Box 1855, Sierra Vista, AZ 85636. www.k7rdg.org
- **09/01/2018 | SE Kansas Mining History Special Event #7 of 7 Sep 1-Sep 2, 1500Z-2300Z, K0SEK**, Pittsburg, KS. Southeast Kansas Amateur Radio Club. 14.260 7.225 14.070. Certificate & QSL. K0SEK attn JEFF, 409 W Quincy St, Pittsburg, KS 66762. <https://www.sekarc.net/p/sek-mining.html>
- **09/02/2018 | Great Geauga County Fair Sep 2-Sep 3, 1600Z-0500Z, W8G**, Chardon, OH. Geauga Amateur Radio Association. 14.225 7.175. QSL. Larry Shimerka, 965 Primrose Dr, Independence, OH 44131. Please include a SASE For QSL card. www.geaugaara.org
- **09/03/2018 | Brickyard 400 Special Event Sep 3-Sep 10, 2200Z-0400Z, W9IMS**, Indianapolis, IN. Indianapolis Motor Speedway ARC. 21.350 14.245 7.245 3.840. Certificate & QSL. Indianapolis Motor Speedway Amateur Radio Club, P.O. Box 30954, Indianapolis, IN 46230. See website for information on getting QSL cards and certificates. <https://www.qrz.com/db/w9ims>
- **09/06/2018 | Battle of Brandywine Sep 6-Sep 16, 1200Z-2359Z, W3B**, Chadds Ford, PA. Christiana Amateur Radio Emergency Service. 21.280 14.280 7.180 3.860. Certificate & QSL. Battle of Brandywine Special Event, P.O. Box 1324, 1620 Baltimore Pike, Chadds Ford, PA 19317. Participating stations: K3B, N3B, and W3B. Certificate available for working all stations. www.battlesoftherevolution.us
- **09/06/2018 | Battle of Brandywin Sep 6-Sep 16, 0000Z-2359Z, K3B**, Chadds Ford, PA. Christiana Amateur Radio Emergency Service. 21.280 14.280 7.180 3.880. Certificate & QSL. Battle of Brandywine Special Event, P.O. Box 1324, 1620 Baltimore Pike, Chadds Ford, PA 19317. Participating stations: K3B, N3B, and W3B. Certificate Available for working all stations. www.battlesoftherevolution.us


- **09/06/2018 | Battle of Brandywine Sep 6-Sep 16, 0000Z-2359Z, N3B**, Chadds Ford, PA. Christiana Amateur Radio Emergency Service. 7.180 14.280 21.280 3.880. Certificate & QSL. Battle of Brandywine Special Event, P.O. Box 1324, 1620 Baltimore Pike, Chadds Ford, PA 19317. Participating stations: K3B, N3B, and W3B. Certificate Available for working all stations. www.battlesoftherevolution.us
- **09/07/2018 | 9-11 New York City Memorial Station Sep 7-Sep 12, 0000Z-0300Z, WA2NYC**, Staten Island, NY. Wireless Association of New York City. 21.350 14.265 7.200 D-STAR REF020C. QSL. Wireless Association of New York City, 233 Wolverine Street, Staten Island, NY 10306. This station will commemorate the 17th anniversary of the attack on the World Trade Center in New York City. We remember the over twenty nine hundred people that lost their lives on that day. wa2nyc@yahoo.com
- **09/07/2018 | K8B EN67 Activation 2018 Sep 7-Sep 9, 1700Z-2300Z, K8B**, Eagle Harbor Township, Brockway Mtn., MI. N9DJB, KB9AZZ, NM9O. SSB: 14.290 7.210; FM: 146.58 51.520; FT-8. QSL. Troy Faulkner, W25049 US Highway 10, Eleva, WI 54738. Logs will be uploaded after the after the activation. <https://www.k8b2018en67.com>
- **09/08/2018 | 2018 Route 66 On The Air Sep 8-Sep 16, 0001Z-2359Z, W6JBT**, San Bernardino, CA. Citrus Belt Amateur Radio Club. 28.466 14.266 7.266 3.866. Certificate & QSL. Citrus Belt Amateur Radio Club, P.O. Box 3788, San Bernardino, CA 92413. Come celebrate the history of this great highway that help build America and join the clubs across the nation participating in this event using the call signs of W6A – W6U. See the host website of <http://www.w6jbt.org> for more on the rules, frequencies, certificate and QSL routes for each club participating. Hope to hear you on the air!! www.w6jbt.org
- **09/08/2018 | Route 66 On The Air Sep 8-Sep 16, 0000Z-2359Z, K9ONA**, Brookfield, IL. Six Meter Club of Chicago. 28.466 21.366 14.266 7.266. QSL. Miochael Huedepohl, WD9GJK, Six Meter Club of Chicago K9ONA, 3532 Raymond Avenue, Brookfield, IL 60513. Part of a multi-station special event commemorating Historic Route 66, coordinated by the Citrus Belt ARC, W6JBT. <http://www.w6jbt.org> or www.k9ona.com
- **09/08/2018 | State Line Radio Club Annual Picnic Sep 8, 1400Z-2000Z, W3A**, Holtwood, PA. State Line Radio Club of Pa and Md. 21.280 14.240 7.240. QSL. Ted Reichenbach, 108 Park Circle, Elkton, MD 21921. N3SLC.org
- **09/08/2018 | USS Midway Museum Ship Special Event: Commissioning of USS Midway on 9/10/45 Sep 8, 1600Z-2300Z, NI6IW**, San Diego, CA. USS Midway (CV-41) Museum Ship. 14.320 7.250; 14.070 (PSK31); D-STAR on REF001C. QSL. USS Midway (CV-41) COMEDTRA, 910 N Harbor Drive, San Diego, CA 92101.
- **09/09/2018 | Wisconsin Rapids 18th Annual Heart of Wisconsin Downtown Grand Affair and the Creepers Car Club Car Show Sep 9, 1300Z-2000Z, W9G**, Wisconsin Rapids, WI. Wood and Portage County ARES. 14.280 14.242; 146.790 pl 114.8; 146.520 simplex. QSL. Paul Giannoni, KC9PG, 976 Falk Ct, Nekoosa, WI 54457. kc9pg@yahoo.com
- **09/14/2018 | POW MIA Recognition Day Sep 14-Sep 23, 0000Z-2359Z, K4MIA**, Loxahatchee, FL. PBSE Radio Society. 28.466 18.150 14.265 7.185 . QSL. Michael Bald, 6758 Hall Blvd., Loxahatchee, FL 33470. Observances of National POW MIA Recognition Day are held across this country on the third Friday in September each year. This year it will be on September 21. This will be the 10th year this special event station has been activated..The day was established to honor our prisoners of war and those who are still missing in action. There will be sister stations K4MIA/5 K4MIA/7 K4MIA/8 in operation some days. Also contacts will be made on the LEO satellites. See QRZ for a copy of this years QSL and for additional information. Because of

volume of requests you MUST SEND SASE to get a returned QSL. Please take time to remember our POW's and MIA's as well as their families. www.qrz.com/db/k4mia

- **09/15/2018 | 132nd Anniversary of Geronimo's Surrender at Skeleton Canyon Sep 15, 1700Z-2300Z, K7T**, Tucson, AZ. Oro Valley Amateur Radio Club. CW: 7.040, 14.040 PSK: 7.070, 14.070 FT-8: 7.074, 14.074 SSB: 7.200, 14.250. Certificate. Email, to, , qsl@tucsonhamradio.org. Email requests only. No paper QSLs, please. www.tucsonhamradio.org
- **09/15/2018 | Crash of USS Shenandoah Sep 15, 1700Z-2100Z, K8S/N8S/W8S**, Ava, OH. Cambridge Amateur Radio Association/Belle Valley Amateur Radio Club of American Legion Post 641. 7.235 7.230 7.225. Certificate. Cambridge Amateur Radio Association, P.O. Box 1804, Cambridge, OH 43725. Commemorating the crash of the airship USS Shenandoah. There were three crash/debris sites. Operations will be from the three crash sites using call signs: K8S, N8S, and W8S. www.w8vp.org
- **09/15/2018 | Motor City Radio Club 86th Year Special Event Station Sep 15, 1400Z-2100Z, W8MRM**, Southgate, MI. Motor City Radio Club. 14.260 7.225. Certificate. Motor City Radio Club, P.O. Box 1337, Southgate, MI 48195. webmaster@mcrcw8mrm or www.w8mrm.net
- **09/16/2018 | Saving of The Liberty Bell Sep 16-Sep 25, 0000Z-2359Z, W3L**, Harleysville, PA. WV2M. 14.240 14.030 7.240 7.030. QSL. Frank Gallo, 106 Tweed Way, Harleysville, PA 19438. www.w3l.info
- **09/21/2018 | High Above the Mississippi River Sep 21-Sep 22, 1020Z-1018Z, W0DBQ**, Dubuque, IA. Great River Amateur Radio Club. 18.140 14.248 7.185 3.832. Certificate. Great River Amateur Radio Club, P.O. Box 1384, Dubuque, IA 52004. Operating from Bellevue State Park on a 250 foot bluff overlooking the Mississippi River and beautiful downtown Bellevue, Iowa. The park is rich in archaeological, historical and natural beauty. Bellevue State Park is also home to a butterfly cultivating and protection site. w0dbq.org
- **09/21/2018 | Michiana Mennonite International Relief Auction Sep 21-Sep 22, 2000Z-2000Z, N9M**, Goshen, IN. Goshen Amateur Radio Club. 14.290 14.070 7.180 7.055. QSL. Goshen Amateur Radio Club, 17063 CR 40, Goshen, IN 46526.
- **09/21/2018 | Plano Balloon Festival Sep 21-Sep 23, 1800Z-2359Z, W5P**, Plano, TX. Allen Wylie Lucas Amateur Radio Club and Lucas Amateur Radio Club. 14.307 7.255; FT8 and other digital modes possible. QSL. Stan Starks, 732 Eagle Lake Ct., Allen, TX 75002. Some SSB, as well as FT8 operations, are likely before and after the festival. Check spotting networks for our active frequencies and modes. www.qrz.com/db/w5p
- **09/22/2018 | 85th Anniversary of the Collins Radio Company Sep 22-Sep 23, 1400Z-2359Z, W0CXX**, Cedar Rapids, IA. Rockwell Collins Amateur Radio Club. 14.245 14.045 7.195 7.045. QSL. W0CXX, 1157 Highway 965 NW, Cedar Rapids, IA 52404. Several stations participating from various Rockwell Collins facilities. Primary operating hours 0900 to 1900 local time for each station as operators are available. Check other bands across HF and 6 meters for CW, SSB, AM and digital modes. www.w0cxx.us
- **09/22/2018 | Volcano Days – Oil and gas history Sep 22, 1400Z-2200Z, W8PAR**, Parkersburg, WV. Parkersburg Amateur Radio Klub. 14.250 7.200. Certificate & QSL. Jerry Wharton, 1722 20th St, Parkersburg, WV 26101. Honoring the early days of oil and gas exploration in the state of WV. Please send a SASE for QSL or certificate. Will also be put on LoTW www.qrz.com/db/w8par
- **09/23/2018 | Most Western Point in North America by Road Sep 23-Sep 24, 1900Z-0400Z**,

KL7HOM, Anchor Point, AK. South Peninsula Amateur Radio Club. 146.910. QSL. Fred Trieselmann, P.O. Box 15271, Homer, AK 99603. Amateurs from the southern Kenai Peninsula, Alaska, will have a field station set up at the Halibut Campground at the edge of Cook Inlet. Anyone interested is invited to participate. Logs will be uploaded to LoTW, QRZ, and eQSL shortly after the event. Look for spots on DX summit and other spotting network and give us a spot if you hear us to help others find us. www.kl7hom.org

- **09/27/2018 | 11th Annual Valley Disaster Preparedness Fair Sep 27-Oct 1, 0000Z-2359Z, K6D**, Northridge, CA. Southern California Preparedness Foundation. 145.570. QSL. Bill Hopkins, WA6CWB, 19300 Rinaldi St., Unit 7333, Northridge, CA 91327. ValleyDisasterFair.com
- **09/28/2018 | Wineglass Marathon Sep 28-Sep 30, 0700Z-1800Z, W2G**, Bath, NY. Southern Tier Amateur Radio Repeater System. 449.275 445.4125 146.730 145.190. Certificate. Randy Gudeahn, 6869 Lakeview Terrace, Bath, NY 14810. www.facebook.com/StarrsAmateurRadioClub
- **09/29/2018 | 50 Years of Pioneer Fair Sep 29-Sep 30, 1000Z-1500Z, W9S**, Shelbyville, IN. Blue River Valley Amateur Radio Society. 7.135 7.030. QSL. John Walker, 302 W. Hendricks St., Shelbyville, IN 46176. www.brvars.com
- **09/29/2018 | Blue Ridge Bonanza Sep 29, 1400Z-2100Z, W4CA**, Roanoke, VA. Roanoke Valley ARC. 14.260 7.260. QSL. Roanoke Valley ARC (W4CA), P.O. Box 2002, Roanoke, VA 24009. Commemorating the beginning of construction on the Blue Ridge Parkway, September 1935. www.w4ca.com
- **09/29/2018 | Dempsey Challenge Bicycle Race Sep 29-Sep 30, 1400Z-2300Z, N1D**, Auburn, ME. Androscoggin Amateur Radio Club. 28.460 14.270 14.035 7.200; SSB and CW. Certificate & QSL. Androscoggin ARC WINPP, P.O. Box 1, Auburn, ME 04212. www.w1npp.org
- **09/29/2018 | Jerry Clower Sep 29, 1400Z-2300Z, W5CCW**, Liberty, MS. Amateur Radio Club of Amite County. 14.260 14.030 7.260 7.030. QSL. Paul J. McGehee, 4044B Hwy 567N, Liberty, MS 39645. palhel32@bellsouth.net

September 2018						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1 URAC First Saturday Breakfast and Membership Meeting: 8 am, Think Café, San Pedro
	3 	4	5	6 URAC 2M simplex Roundtable: 8 pm, 145.510 MHz	7	8
9	10	11 Patriot Day	12	13 URAC 2M simplex Roundtable: 8 pm, 145.510 MHz	14	15
16	17	18	19	20 URAC 2M simplex Roundtable: 8 pm, 145.510 MHz	21	22
23 Fall begins (Northern H.)	24	25	26	27 URAC 2M simplex Roundtable: 8 pm, 145.510 MHz	28	29
30						

Two Free Amateur Radio Courses

FCC "Technician" course (entry level)

FCC "General" course (2nd level)

Each course is 2 sessions

The sessions will be on 3 and 10 November 2018

Technician 9:30 AM to 1:30 PM both Saturdays (bring your lunch)

General 1:45 PM to 5:00 PM both Saturdays

The FCC tests will be 10:00 AM to noon on 17 November 2018

At the start of the 3 November Technician course, the Palos Verdes Amateur Radio Club will give a 30 minute presentation on how to get further involved with amateur radio.

The class location is at Fred Hesse Community Park,
29301 Hawthorne Blvd., Rancho Palos Verdes, CA 90275

Confirm your attendance to Walt, K1DFO at waltordway@juno.com

There is no fee for either course.

Taking the FCC test is \$15.

Optional Material (sold at cost)

Gordon West books with all the FCC test questions,

\$26 for the Technician and \$26 for the General

Paper copy of Walt's Power Point charts,

\$22 for the Technician and \$22 for the General

For courses sponsored by the Palos Verdes Amateur Radio Club, students thru grade 12 who pass their examination at a PVARC VE test session will, upon application to the Club, be eligible for reimbursement up to a maximum of \$50 to cover the cost of materials and the examination fee.

Everyone who obtains their first ham radio license through a PVARC VE test session, regardless of age, will receive a free membership in the Palos Verdes Amateur Radio Club for the remainder of the current calendar year.

2018 URAC Executive Board

PRESIDENT
Sam Lollar
K1SL

k1sl@arrl.net



VICE-PRESIDENT
John Linder
KC6JHV

kc6jhv@k6aa.org



SECRETARY
vacant

TREASURER
Gary Forister
N6HMR

n6hmr@k6aa.org



DIRECTOR
Larry Fadden
KK6TXN

kk6txn@k6aa.org



DIRECTOR
Steve Mandich
K6NT

k6nt@k6aa.org



DIRECTOR
Homer Meek
K6HKT

k6hkt@k6aa.org



DIRECTOR
Ivan Mikulich
KB6ATT

kb6att@k6aa.org



PAST-PRESIDENT
Doug Dowds
W6HB

w6hb@aol.com



**NEWSLETTER
EDITOR**
Scotty Butler
K6ZNL

k6znl@arrl.net

WEBMASTER
Bruce Sperka
AD7MM

bsperka@gmail.com



IMPORTANT NOTES

K6AA Station We can still use more operators for our K6AA station. See Doug, W6HB, and or Scotty, K6ZNL, for training and checkout.

Check out the special events page on k6aa.org for the latest from arrl and e-ham net.

Additional Calendar Notes

Club Roundtable

Held weekly on
Thursdays at 8pm
145.510 Simplex

Club Meeting

Held monthly on the 1st Saturday of the month in conjunction with our ...

No Host Breakfast

Held monthly on the 1st Saturday of the month at 8:00am. Location: Think Café on 5th Street in San Pedro

“VE/CE Session for Amateur and Commercial Licenses

Monthly on 1st Saturday **by appointment**. Go to <http://k6aa.org/licensing-exams/>

If no one schedules an exam, there won't necessarily be an exam team or exam material available.



The Museum is at the Foot of 6th Street.

