



Baton Rouge Amateur Radio Club



## RF News

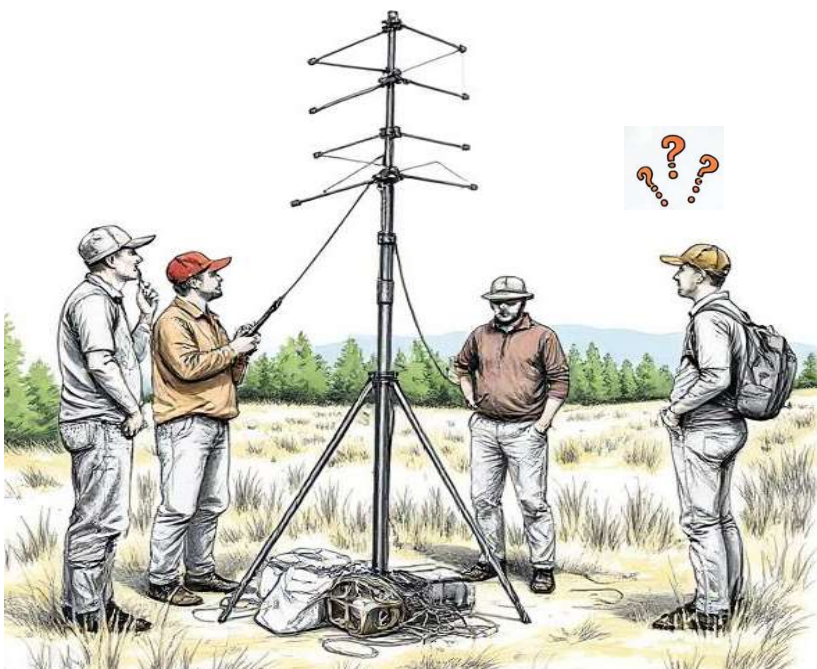
**ARRL FIELD DAY 2025**

**RADIO CONNECTS**

GET ON THE AIR!

**FD 25**

Be a part of the **most popular on-the-air operating event** in amateur radio. Join your local community and get in on the action!





# Baton Rouge Amateur Radio Club



From the President	3
Next Club Meeting	6
Upcoming Club Events	7
International Astronomy Day	8
Hands-on Tutoring for HF Radio	10
Member Profile	12
ARES - Amateur Radio Emergency Services	15
USS KIDD	16
Hamfests	17
DX, Special Event, Contesting	18
Swap Shop and Club Items	24
Operating Tech and Tips	25
BRARC Board	27
April Meeting Highlights: 3-D Printing – Matthew Edmonds	28
Tidbits and Other Stuff	30

Frequency	Net
146.79- MHz PL tone 107.2	Region 2 ARES Net <b>Sunday</b> 8:00 PM
146.79- MHz PL tone 107.2	BRARC Public Service Net <b>Sunday</b> 8:30 PM
146.46 MHz 147.47 MHz	Baton Rouge Simplex Net <b>Monday</b> 7:00 pm
28.450 MHz USB	Ten Meter Net <b>Monday</b> 7:30 PM
7.043 MHz CW	Slow CW Net 2nd & 3rd <b>Tuesdays</b> 6:30 pm
442.2+ MHz PL tone 107.2	MissLou Net <b>Wednesday</b> 7:00 pm
146.835- MHz PL tone 114.8	MissLou Net <b>Wednesday</b> 8:00 pm
146.79- MHz PL tone 107.2	Friendship Net <b>Thursday</b> 7:00 PM
444.400+ MHz PL tone 107.2	W5GIX Fusion Repeater

## Repeaters & Nets





## Baton Rouge Amateur Radio Club



# From the President

As we approach Field Day 2025, I think about my first Field Day and all the good and lacking communication that went along with it. I came with my wife and daughter who had been going to Science Academy at the Observatory and I had a Baofeng which I had never tried to use and brought it with me and was told I needed a license to operate it and given some instruction to buy the red book which I had one that had the previous question set and told to check out ARRL. I was told to sign up for the September Exam that was at the Goodwood Library. I was also introduced around while my daughter got on the air. I was excited for her and for me to undertake this new adventure. What was lacking was that there was no talk about classes and helpful apps and I found a lot more information out there than I really knew what to do with, but I took my Tech and got my ticket, got CHIRP and programmed the radio and started to listen to nets when I could get a signal. I had a great experience, but I think we can do better by giving some step-by-step and letting people know we can help more if they come to a meeting. Sometimes, I think we talk up the Technician exam as being very easy and you have to go “get after it” and then we can start talking about real stuff. It’s almost like asking





# Baton Rouge Amateur Radio Club



someone to get through that doorway on their own and then come back and we'll help you.

I am working with members to get suggestions for handouts to give prospective new operators with timelines, tips, tricks, etc. We should all be welcoming and be able to explain what we are doing at Field Day and why we are into this thing we call radio and how they can get there, too. Especially why they want to be here and join us in the adventure!

I want ideas and feedback on what works for you and how we can make sure we keep members, not just exam takers and licensees who we seldom see because they may not value what they get for their time involvement. While we can't take exams for people or operate the radio for them, we should be welcoming, especially to people that "have the gene" and are curious about this hobby. Sometimes just a little sharing of what we know can get them involved in radio once they understand all the benefits, but the seekers are ones who we have the best chance of sticking with it, whether for hobby, prepping, education value, or just a way to spend their fortune down later in life by buying something really cool.

How do we share?

I haven't done POTA, Satellite, or CW yet - I want to. I love hearing about a contact someone made or getting 1000 contacts on POTA and think, "I can do that, too." It makes me want to learn more and I have found the people with these achievements are very open and will share tips and tricks to help me get up and running, and that gets me more interested. We can all do that. We all have done something that someone else hasn't and can lend a hand. Anyone can be an Elmer without fear of committing to the title. Something as simple as helpful





## Baton Rouge Amateur Radio Club



hints about listening or joining a net can make a big difference. Links and references to practice exams can go a long way to build confidence.

I hope we can get something together and utilize all our different skills to get more people to understand and say, “you won’t believe what these people can do” or “my daughter talked to someone in Idaho and Ireland,” or maybe even, “I wish I knew about this before the last hurricane and think I need to find out more before the next one.”

We have a few members that joined the Silent Key list this year that were always at Field Day and will be dearly missed. I am hoping that we can make a good showing without them and increase our point totals in their honor, but more importantly get more people interested and on the air!

We can all do this together! Let’s make this a great Field Day!

Joe K5ROP





Baton Rouge Amateur Radio Club



# Club Meeting June 24



This month we will discuss Field Day, which will be occurring the following weekend at Highland Park Observatory, June 28-29. We're looking for equipment such batteries (>60 Ah, must have cords with 14 ga wire, fused and powerpole connectors), antennas (10/15/20/40/80 meters), gas generator and fuel, high-current battery chargers, if bringing a Li battery, bring the appropriate charger. Dana, AD5VC will be discussing the needs for field day and will provide a sign-up sheet for items needed.



## Baton Rouge Amateur Radio Club



# Upcoming Club Events

- June 3 BRARC Board Meeting
- June 4 Ascension Amateur Radio Club  
Prairieville Fire Department Training Center at 14517 LA Highway 73
- June 24 BRARC Monthly Meeting
- June 28-29 Field Day







# Baton Rouge Amateur Radio Club

## International Astronomy Day

held on May 3, 2025

at the Highland Road Park Observatory

### Sponsored by the National Association of the Astronomical League

This National event is held yearly with the local Astronomical League participating for at least the last ten years. This year we had an estimated 450 attendees who were entertained by over 12 exhibitors showcasing everything from elaborate apparatus related to sky watching to enthusiasts loosely related to radio astronomy.

Supporting the physical comfort of the attendees were three food vendors: Spices is Right, City Gelato, and Rosie's Popcorn.

Relatively new this year was the Baton Rouge Amateur Radio Club operating



Photo 1: Thea operating SS station under the direction of John Krupsky, WA5MLF

under the Club's call sign W5GIX. They joined long-time IAD participant, the LSU Amateur Radio Club K5LSU under the direction of Dr. Dana Browne (AD5VC).

Under Dr. Browne direction visitors had the opportunity to hear their name transformed into dits (.) and dahs ( \_ ) when they spelled their name out using a telegraph key. (dit dah dit dah dit dah (period in morse code). Each person who spelled

their name out in morse code got to take that paper home with them as a memento of their visit to the Baton Rouge Observatory.





## Baton Rouge Amateur Radio Club



Emphasizing the many avenues of communication within Amateur Radio, John Krupsky and Jon Reise set up stations showcasing digital and voice modes of communication. Assisting them were Bill Buck (KJ5IVB), Joe Roppolo (K5ROP), Elmer Tatum (N5EKF) of the Ascension Amateur Radio club visited both the BRARC's operation as well as LSU's operation.

The Baton Rouge Amateur Radio club made a total of 22 radio contacts operating over several bands. Eleven contacts were made using SSB including 3 contacts with Italy via 20m logged by a young visitor. Another 11 contacts were made over FT8. Most of the time was spent explaining to the visitors what Amateur Radio was, what made this hobby so exciting, and how did it fit in with the current emphasis on STEM education.



Photo 2: John Krupsky, Wa5MLF and Visitor



Photo 3: Bill Buck, KJ5IVB; Jon Reise W9JBR, and visitor



Photo 4: Visitor Christian, KJ5HUR and Dana Browne, AD5VC at his CW station



## Baton Rouge Amateur Radio Club



# Hands-on Tutoring for HF Radio

If you want to learn the basics of making HF radio contacts, this session is for you. We are offering personal sessions of hands-on learning covering the following:

- Introduction to our station equipment
- Basics of making contacts
- Logging software basics
- Using the PSK Reporter website for mapping CW or FT8 digital contacts



You will be instructed by an Extra class amateur radio operator at the Highland Road Park Observatory, operating W5GIX. After you learn the basics, you will make radio contacts with other hams around the country using our ICOM IC-7300 transceiver.

Sign up for a **personal** session [on this web page](#). We'll focus on one or more modes of operation (voice, CW, FT8 digital) according to your interests.

### Station Equipment:

The Baton Rouge Amateur Radio Club maintains a club station at the Highland Road Park Observatory. We run an ICOM IC-7300, 100 W transceiver, with an antenna tuner, to a tribander Yagi or wire antenna.



# Baton Rouge Amateur Radio Club



We suggest that radio operators / members wear their callsign or club badges or apparel to help identify themselves to the BREC staff and visitors as representatives of our club and the amateur radio community.

Jon Reise, WA9JBR  
John Krupsky, WA5MLF







# Baton Rouge Amateur Radio Club



## Member Profile

1. WHAT IS YOUR NAME? AND WHAT KIND OF WORK DO YOU DO NOW? IF RETIRED WHAT WAS YOUR WORK?

My name is **David Ducote, K5DFD**, and I retired as a Funeral Director in 2018 with over 45 years of service to the Baton Rouge area. We currently live in Prairieville near our children and grandchildren.

2. WHEN DID YOU FIRST BECOME INTERESTED IN AMATEUR RADIO AND WHAT LED TO YOUR INTEREST IN AMATEUR RADIO?

In the mid-60's I received a Christmas kit to build a AM radio receiver and my first long distance station was WLS in Chicago. That piqued my interest but it was not until many years later that I had the opportunity to get my tech ticket.

3. WHAT DO YOU REMEMBER ABOUT YOUR FIRST RADIO SETUP?

My first Ham Radio setup was a very modest base setup of a Kenwood VHF mobile, a power supply and a J-pole made by Club member, "J-pole" George.

4. DID YOUR FORMAL EDUCATION PREPARE YOU OR LEAD YOU TO AMATEUR RADIO OR WAS IT JUST THE REVERSE?







# Baton Rouge Amateur Radio Club



In the 60's, I became involved with CB radios which lasted through my teen years to early adulthood. My formal education really did not influence my journey to Amateur Radio, the seed was planted many years ago.

5. **WHAT DO YOU ENJOY MOST ABOUT AMATEUR RADIO NOW AND WHY? Can list multiple items. (modes of operation, contesting, experimentation, kit building, etc.)**

I mostly enjoy rag chewing on the local VHF/UHF repeaters and DXing. I never did learn CW and I don't do anything digital.

6. **WHAT ARE SOME OF THE MORE EXCITING EVENTS THAT YOU CAN REMEMBER REGARDING YOUR EXPERIENCE WITH AMATEUR RADIO?**

I have been a member of BRARC since about August of 2006 and a member of Ascension ARC since January of 2022 and love going to the monthly meetings to see old and new friends. I love going to local Hamfests and truly miss going to HamCom in Dallas, but this past year was introduced to Huntsville and I plan to go back again and again.

7. **WHAT DO YOU THINK AMATEUR RADIO WILL BE LIKE IN 20-30 YEARS?**

I imagine much more will be some sort of digital modes and other sorts of space age modes that I will probably not care for either. I'll be OK if I still have my mic to key and a wire or a beam out in the back yard.

8. **WHAT ADVICE CAN YOU GIVE TO A NEWLY LICENSED AMATEUR TODAY?**

My advice is to continue to study for your General ticket and immediately after for your Extra ticket. The longer you wait and the older you get it is much harder to find the time to study and retain the information. Also, join a local club and be active in your community.

9. **WHAT CAN THE BATON ROUGE CLUB DO TO ENHANCE YOUR RADIO ENJOYMENT?**



## Baton Rouge Amateur Radio Club



Keep your meetings on point, I don't want to listen to Blah-Blah-Blah. Keep doing basic building projects as you do now. The above-mentioned list is very good. Also, I think a basic class for newly licensed hams on how to properly participate in a VHF/UHF net and/or a simple rag chew conversation.

### 10. IS THERE ANYTHING ELSE YOU WOULD LIKE TO ADD?

Greetings and a hearty welcome from Prairieville, Louisiana USA. I was first licensed as a Technician in December of 2006 and was issued the callsign **KE5LVP**. In early 2007, I earned my General and applied for my present vanity call **K5DFD**. My special thanks to the members of Baton Rouge Amateur Radio Club for allowing me to join as an unlicensed member in August of 2006 and for holding classes to help me obtain both tickets. After a few years away from ham radio, in 2022 I rekindled my interest and I am once again an active member of BRARC, an active member of Ascension Amateur Radio Club, and ARRL. My primary HF radio is a YAESU FT-1000MP Mark-V with a backup rig being a YAESU FT-DX10 with an AMERITRON ALS-600 amp. Presently my only HF antenna is a 7-Band Buckmaster Off-Center-Fed (OCF) Dipole. My main 2m radio is an ICOM IC-275H which is all mode 2m with 100 watts. My backup VHF/UHF radio is a YAESU FT-7900 and the VHF/UHF antenna is a 17 foot TRAM 1481. My digital QSL card was produced by Robert Simoneau, N1ET, through his QSOCardCreator website at [www.N1ET.com](http://www.N1ET.com) and I use both QRZ and N3FJP logging programs. I very much enjoy HF, rag chewing on the local repeaters, and occasionally a POTA Hunter.

**73** and best wishes to you and yours. I hope to catch y'all down the log.....de David K5DFD



Baton Rouge Amateur Radio Club



# Amateur Radio Emergency Services

## LA ARES to Hold SET June 7<sup>th</sup>

Plans are being finalized for Louisiana ARES operators for a Simulated Emergency Test on Saturday morning June 7<sup>th</sup> from 09:00 to 10:30 local time. LA ARES is especially wanting ARES leadership participation from EC, AECs, and DEC in all regions. All hams are encouraged to participate as we kick off another busy hurricane season June 1<sup>st</sup>. This is a great opportunity for new hams to learn traffic handling and net participation. Regional nets will be on local repeaters and statewide nets on 75 and 40 meters. We are looking at more use of Winlink to help pass official traffic for government agencies or VOADs. Again this year Ascension Amateur Radio Club will be simulating GOHSEP as WB5LHS. The exercise plan will be sent out very soon.





## Baton Rouge Amateur Radio Club



# USS KIDD



Keep up to date with the restoration progress by following the Facebook site, USS KIDD Vetrans Museum at

<https://www.facebook.com/USSKIDD661> and the YouTube Channel at <https://www.youtube.com/@usskidd661/videos>.

The project will continue through May of this year, but because of the seasonal rise and fall of the Mississippi River annually, it will probably be Spring 2026 before she comes home.







# Baton Rouge Amateur Radio Club



## Hamfests

- Shreveport-Bossier Hamfest – August 9
- Huntsville Hamfest August 16-17
- Ozone Hamfest Slidell – September 12-13





## Baton Rouge Amateur Radio Club



# DX, Special Event, Contesting

## June

- 7-8 Kentucky QSO Party
- 21-22 SKCC QSO Party
- 21-22 West Virginia QSO Party
- 21 ARRL Kids Day
- 28-29 ARRL Field Day

## July

- 19-20 North American QSO Party, RTTY
- 26-27 Alabama QSO Party







# Baton Rouge Amateur Radio Club



Dave, G4WXJ will be active as ZC4RH from Cyprus, IOTA AS - 004, 14 - 20 June 2025.

He will operate on 40 - 6m Bands, FT8, FT4, SSB, CW.

For many people today Cyprus is an exotic island in the Mediterranean Sea, where the tourist rests easily and pleasantly, there are many warm beaches and delicious fruits. All this is true, but

this state conceals a lot of interesting and in other areas. In general, Cyprus is unique in its kind.



Take, JG8NQJ will be active again as **JG8NQJ/JD1** from Marcus Island, IOTA OC - 073, Minami Torishima, 17 April - 17 June 2025. He will operate on HF Bands CW, FT8.

The Minami-Tori-Shima Island is a triangular shaped island in the northwest Pacific Ocean. Its name

is Japanese and means 'Southern Bird Island'. It is also known by its other name of Marcus Island. This small island not only holds some legendary stories but also has some very unique factors that make it great for oceanic research amongst other things. It currently has a meteorological research station for studying typhoons and holds an extensive coral reef running from 100-1000ft. The central part of the island is 3ft below sea level and some of the strangest sea products are harvested here such as seaweed, giant squid and swordfish. The ocean depths surrounding this island are great for divers as it plunges to below 3000ft.

The significance of this piece of land is its location on the Pacific Plate, past the Japan Trench. It is the easternmost territory of Japan and is only a mere 1km stretch of land with no civilian population. The thing here is that this allows Japan to have 165 000 miles of what is known as Exclusive Economic Zone over these waters. The story of this claim to ownership is one in itself.



## Baton Rouge Amateur Radio Club



Alex, **DL2ALY** will be active from Neumayer III Station, IOTA AN - 016, Antarctica, until end of the 2025. He will operate on HF Bands with focus on 80 and 160m Bands.

**DPØGVN/AM**  
Antarctic flight operations - Aeronautical mobile

Lars DL1LLL

Atka Bay - Ekstrom Ice Shelf - Dronning Maud Land

Antarctica has always attracted scientists with its mystery, and today there are scientific stations on its territory of almost all progressive countries of the world. Neumayer III is a German research center dedicated to the study of geophysics, seismological activity, meteorology, and the chemical composition of the air.







# Baton Rouge Amateur Radio Club



**DXCC Most wanted countries 2025 Club Log version. Updated May 2025**



- |  |  |                                     |
|--|--|-------------------------------------|
| 1. P5 DPRK (NORTH KOREA)                 | 37. TI9 COCOS ISLAND                     | 74. FO/A AUSTRAL ISLANDS            |
| 2. BS7H SCARBOROUGH REEF                 | 38. VK9W WILLIS ISLAND                   | 75. T30 WESTERN KIRIBATI            |
| 3. CE0X SAN FELIX ISLANDS                | 39. FT5Z AMSTERDAM & ST PAUL ISLANDS     | 76. VP8H SOUTH SHETLAND ISLANDS     |
| 4. BV9P PRATAS ISLAND                    | 40. VP8O SOUTH ORKNEY ISLANDS            | 77. 1A0 SOV MILITARY ORDER OF MALTA |
| 5. KH7K KURE ISLAND                      | 41. XZ MYANMAR                           | 78. 5U NIGER                        |
| 6. KH3 JOHNSTON ISLAND                   | 42. ZK3 TOKELAU ISLANDS                  | 79. XX9 MACAO                       |
| 7. 3Y/P PETER 1 ISLAND                   | 43. 3C0 ANNOBON                          | 80. E4 PALESTINE                    |
| 8. FT5/X KERGUELEN ISLAND                | 44. 1S SPRATLY ISLANDS                   | 81. V6 MICRONESIA                   |
| 9. YV0 AVES ISLAND                       | 45. KH5 PALMYRA & JARVIS ISLANDS         | 82. H4 SOLOMON ISLANDS              |
| 10. 3Y/B BOUVET ISLAND                   | 46. T5 SOMALIA                           | 83. TN REPUBLIC OF THE CONGO        |
| 11. ZS8 PRINCE EDWARD & MARION ISLANDS   | 47. R1F FRANZ JOSEF LAND                 | 84. ZL7 CHATHAM ISLAND              |
| 12. KH4 MIDWAY ISLAND                    | 48. T31 CENTRAL KIRIBATI                 | 85. HV VATICAN CITY                 |
| 13. VK0M MACQUARIE ISLAND                | 49. T33 BANABA ISLAND                    | 86. TT CHAD                         |
| 14. PY0S SAINT PETER AND PAUL ROCKS      | 50. H40 TEMOTU PROVINCE                  | 87. S2 BANGLADESH                   |
| 15. KP5 DESECHEO ISLAND                  | 51. KH8/S SWAINS ISLAND                  | 88. VK9C COCOS (KEELING) ISLAND     |
| 16. VP0S SOUTH SANDWICH ISLANDS          | 52. E3 ERITREA                           | 89. KH8 AMERICAN SAMOA              |
| 17. ZL9 NEW ZEALAND SUBANTARCTIC ISLANDS | 53. FO/C CLIPPERTON ISLAND               | 90. D6 COMOROS                      |
| 18. FK/C CHESTERFIELD ISLANDS            | 54. ZD9 TRISTAN DA CUNHA & GOUGH ISLANDS | 91. 3XA GUINEA                      |
| 19. VK0H HEARD ISLAND                    | 55. VQ9 CHAGOS ISLANDS                   | 92. T2 TUVALU                       |
| 20. FT/T TROMELIN ISLAND                 | 56. JX JAN MAYEN                         | 93. 4U1UN UNITED NATIONS HQ         |
| 21. EZ TURKMENISTAN                      | 57. VP6/D DUCIE ISLAND                   | 94. J5 GUINEA-BISSAU                |
| 22. ZL8 KERMADEC ISLAND                  | 58. VU4 ANDAMAN & NICOBAR ISLANDS        | 95. TL CENTRAL AFRICAN REPUBLIC     |
| 23. YK SYRIA                             | 59. 3D2/C CONWAY REEF                    | 96. 9L SIERRA LEONE                 |
| 24. VP0G SOUTH GEORGIA ISLAND            | 60. CY0 SABLE ISLAND                     | 97. 3D2/R ROTUMA                    |
| 25. XF4 REVILLAGIGEDO                    | 61. FO/M MARQUESAS ISLANDS               | 98. KG4 GUANTANAMO BAY              |
| 26. KH1 BAKER HOWLAND ISLANDS            | 62. 9U BURUNDI                           | 99. A5 BHUTAN                       |
| 27. SV/A MOUNT ATHOS                     | 63. VU7 LAKSHADWEEP ISLANDS              | 100. FW WALLIS & FUTUNA ISLANDS     |
| 28. KH9 WAKE ISLAND                      | 64. 3B7 AGALEGA & ST BRANDON ISLANDS     | 101. TJ CAMEROON                    |
| 29. FT5/W CROZET ISLAND                  | 65. VK9L LORD HOWE ISLAND                | 102. FJ SAINT BARTHELEMY            |
| 30. VK9M MELLISH REEF                    | 66. 7O YEMEN                             | 103. E6 NIUE                        |
| 31. FT/J JUAN DE NOVA, EUROPA            | 67. VK9X CHRISTMAS ISLAND                | 104. ET ETHIOPIA                    |
| 32. JD/M MINAMI TORISHIMA                | 68. CE0Z JUAN FERNANDEZ ISLANDS          | 105. 5N NIGERIA                     |
| 33. PY0T TRINDADE & MARTIM VAZ ISLANDS   | 69. E5/N NORTH COOK ISLANDS              | 106. C21 NAURU                      |
| 34. HK0/M MALPELO ISLAND                 | 70. CY9 SAINT PAUL ISLAND                | 107. FP SAINT PIERRE & MIQUELON     |
| 35. FT/G GLORIOSO ISLAND                 | 71. VP6 PITCAIRN ISLAND                  | 108. 9Q DEM. REP. OF THE CONGO      |
| 36. KP1 NAVASSA ISLAND                   | 72. 5A LIBYA                             | 109. V7 MARSHALL ISLANDS            |
|  | 73. Z8 REPUBLIC OF SOUTH SUDAN           | 110. A3 TONGA                       |
|  |  | 111. 4U1ITU ITU HQ                  |
|  |  | 112. C9 MOZAMBIQUE                  |



# Baton Rouge Amateur Radio Club



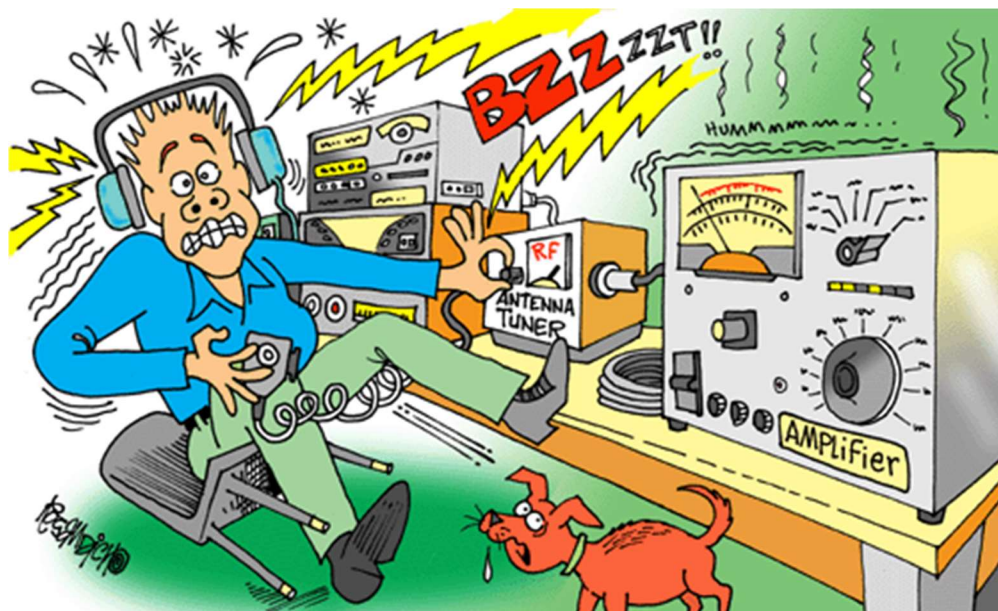
- |                                  |                                 |                           |
|----------------------------------|---------------------------------|---------------------------|
| 113. J2 DJIBOUTI                 | 162. KH0 MARIANA ISLANDS        | 211. OX GREENLAND         |
| 114. VP2V BRITISH VIRGIN ISLANDS | 163. 9J ZAMBIA                  | 212. 3D2 FIJI ISLANDS     |
| 115. FH MAYOTTE                  | 164. FO FRENCH POLYNESIA        | 213. D4 CAPE VERDE        |
| 116. 8R GUYANA                   | 165. 5R MADAGASCAR              | 214. ZA ALBANIA           |
| 117. ST SUDAN                    | 166. 5H TANZANIA                | 215. ZB2 GIBRALTAR        |
| 118. TU COTE D'IVOIRE            | 167. PJ5 SABA & ST EUSTATIUS    | 216. T7 SAN MARINO        |
| 119. YJ VANUATU                  | 168. YN NICARAGUA               | 217. C31 ANDORRA          |
| 120. ZD8 ASCENSION ISLAND        | 169. VP9 BERMUDA                | 218. EX KYRGYZSTAN        |
| 121. CE0Y EASTER ISLAND          | 170. S7 SEYCHELLES ISLANDS      | 219. FR REUNION ISLAND    |
| 122. YI IRAQ                     | 171. 6W SENEGAL                 | 220. JT MONGOLIA          |
| 123. P2 PAPUA NEW GUINEA         | 172. FS SAINT MARTIN            | 221. HB0 LIECHTENSTEIN    |
| 124. 7P LESOTHO                  | 173. SU EGYPT                   | 222. 9M2 WEST MALAYSIA    |
| 125. HK0S SAN ANDRES ISLAND      | 174. YS EL SALVADOR             | 223. UJ UZBEKISTAN        |
| 126. T8 PALAU                    | 175. S0 WESTERN SAHARA          | 224. 5Z KENYA             |
| 127. 3C EQUATORIAL GUINEA        | 176. 3A MONACO                  | 225. OA PERU              |
| 128. 5V7 TOGO                    | 177. AP PAKISTAN                | 226. V5 NAMIBIA           |
| 129. 4W TIMOR-LESTE              | 178. VP5 TURKS & CAICOS ISLANDS | 227. ZF CAYMAN ISLANDS    |
| 130. JD/O OGASAWARA              | 179. HH HAITI                   | 228. PZ SURINAME          |
| 131. YA AFGHANISTAN              | 180. C6A BAHAMAS                | 229. EK ARMENIA           |
| 132. S9 SAO TOME & PRINCIPE      | 181. J8 SAINT VINCENT           | 230. 4J AZERBAIJAN        |
| 133. T32 EASTERN KIRIBATI        | 182. EY TAJIKISTAN              | 231. PJ4 BONAIRE          |
| 134. XT BURKINA FASO             | 183. TR GABON                   | 232. J6 SAINT LUCIA       |
| 135. TZ MALI                     | 184. 9G GHANA                   | 233. FK NEW CALEDONIA     |
| 136. Z2 ZIMBABWE                 | 185. JW SVALBARD                | 234. OH0 ALAND ISLANDS    |
| 137. XU CAMBODIA                 | 186. 5W SAMOA                   | 235. ZP PARAGUAY          |
| 138. HC8 GALAPAGOS ISLANDS       | 187. 5T MAURITANIA              | 236. FM MARTINIQUE        |
| 139. 5X UGANDA                   | 188. CP BOLIVIA                 | 237. 7X ALGERIA           |
| 140. ZC4 UK BASES ON CYPRUS      | 189. V4 SAINT KITTS & NEVIS     | 238. A7 QATAR             |
| 141. XW LAOS                     | 190. V2 ANTIGUA & BARBUDA       | 239. PJ2 CURACAO          |
| 142. PJ7 SINT MAARTEN            | 191. 4S SRI LANKA               | 240. GU GUERNSEY          |
| 143. V8 BRUNEI                   | 192. FY FRENCH GUIANA           | 241. P4 ARUBA             |
| 144. EP IRAN                     | 193. 9V SINGAPORE               | 242. VR HONG KONG         |
| 145. PY0F FERNANDO DE NORONHA    | 194. VP2E ANGUILLA              | 243. FG GUADELOUPE        |
| 146. VP2M MONTSERRAT             | 195. ZD7 SAINT HELENA           | 244. DU PHILIPPINES       |
| 147. TY BENIN                    | 196. KH2 GUAM                   | 245. BU TAIWAN            |
| 148. OJ0 MARKET REEF             | 197. HR HONDURAS                | 246. 8P BARBADOS          |
| 149. VK9N NORFOLK ISLAND         | 198. 3B8 MAURITIUS ISLAND       | 247. 4O MONTENEGRO        |
| 150. A2 BOTSWANA                 | 199. TG GUATEMALA               | 248. HP PANAMA            |
| 151. 9N NEPAL                    | 200. 9M6 EAST MALAYSIA          | 249. 9Y TRINIDAD & TOBAGO |
| 152. Z6 REPUBLIC OF KOSOVO       | 201. 6Y JAMAICA                 | 250. GD ISLE OF MAN       |
| 153. 8Q MALDIVES                 | 202. 3W VIET NAM                | 251. GJ JERSEY            |
| 154. 9X RWANDA                   | 203. CE9 ANTARCTICA             | 252. V3 BELIZE            |
| 155. EL LIBERIA                  | 204. OY FAROE ISLANDS           | 253. 4L GEORGIA           |
| 156. C5 THE GAMBIA               | 205. VP8 FALKLAND ISLANDS       | 254. TK CORSICA           |
| 157. 3DA KINGDOM OF ESWATINI     | 206. JY JORDAN                  | 255. SV5 DODECANESE       |
| 158. E5/S SOUTH COOK ISLANDS     | 207. J7 DOMINICA                | 256. OD LEBANON           |
| 159. J3 GRENADA                  | 208. 7Q MALAWI                  | 257. TI COSTA RICA        |
| 160. 3V TUNISIA                  | 209. A9 BAHRAIN                 | 258. 9H MALTA             |
| 161. 3B9 RODRIGUEZ ISLAND        | 210. D2 ANGOLA                  | 259. HZ SAUDI ARABIA      |



# Baton Rouge Amateur Radio Club



- |                                  |                            |                                     |
|----------------------------------|----------------------------|-------------------------------------|
| 260. CN MOROCCO                  | 288. CU AZORES             | 316. SV GREECE                      |
| 261. KP2 US VIRGIN ISLANDS       | 289. LX LUXEMBOURG         | 317. YO ROMANIA                     |
| 262. VU INDIA                    | 290. CT3 MADEIRA ISLANDS   | 318. HB SWITZERLAND                 |
| 263. A4 OMAN                     | 291. TA TURKEY             | 319. JA JAPAN                       |
| 264. EA9 CEUTA & MELILLA         | 292. EA6 BALEARIC ISLANDS  | 320. LZ BULGARIA                    |
| 265. HC ECUADOR                  | 293. YB INDONESIA          | 321. SM SWEDEN                      |
| 266. HS THAILAND                 | 294. ISO SARDINIA          | 322. OE AUSTRIA                     |
| 267. KH6 HAWAII                  | 295. UN KAZAKHSTAN         | 323. UA0 ASIATIC RUSSIA             |
| 268. A6 UNITED ARAB EMIRATES     | 296. KP4 PUERTO RICO       | 324. OH FINLAND                     |
| 269. 9K KUWAIT                   | 297. YL LATVIA             | 325. 9A CROATIA                     |
| 270. HI DOMINICAN REPUBLIC       | 298. GI NORTHERN IRELAND   | 326. VE CANADA                      |
| 271. SV9 CRETE                   | 299. 4X ISRAEL             | 327. OK CZECH REPUBLIC              |
| 272. KL7 ALASKA                  | 300. LU ARGENTINA          | 328. PA NETHERLANDS                 |
| 273. TF ICELAND                  | 301. GW WALES              | 329. S5 SLOVENIA                    |
| 274. HL REPUBLIC OF KOREA        | 302. VK AUSTRALIA          | 330. ON BELGIUM                     |
| 275. XE MEXICO                   | 303. ES ESTONIA            | 331. HA HUNGARY                     |
| 276. HK COLOMBIA                 | 304. EI IRELAND            | 332. UR UKRAINE                     |
| 277. UA2 KALININGRAD             | 305. E7 BOSNIA-HERZEGOVINA | 333. G ENGLAND                      |
| 278. CX URUGUAY                  | 306. EU BELARUS            | 334. SP POLAND                      |
| 279. Z3 NORTH MACEDONIA          | 307. GM SCOTLAND           | 335. EA SPAIN                       |
| 280. ER MOLDOVA                  | 308. EA8 CANARY ISLANDS    | 336. F FRANCE                       |
| 281. CE CHILE                    | 309. LA NORWAY             | 337. UA EUROPEAN RUSSIA             |
| 282. BY CHINA                    | 310. CT PORTUGAL           | 338. DL FEDERAL REPUBLIC OF GERMANY |
| 283. YV VENEZUELA                | 311. LY LITHUANIA          | 339. I ITALY                        |
| 284. ZL NEW ZEALAND              | 312. YT SERBIA             | 340. K UNITED STATES OF AMERICA     |
| 285. CO CUBA                     | 313. OZ DENMARK            |                                     |
| 286. 5B CYPRUS                   | 314. OM SLOVAK REPUBLIC    |                                     |
| 287. ZS REPUBLIC OF SOUTH AFRICA | 315. PY BRAZIL             |                                     |





Baton Rouge Amateur Radio Club



# Swap Shop and Club Items

Name Badges, Mugs and Clothing with Club Logo available on the [BRARC.org](http://BRARC.org) website.

Do you have something to sell? This is where you can advertise it. Just send a note to [jerry.clouatre@gmail.com](mailto:jerry.clouatre@gmail.com) and I'll put it in the next issue of *RF News!*



**Ten Tec Orion II 566 AT (\$500)**

- 100 W HF
- Auto antenna tuner built in
- 160-10m
- Second receiver built in

**MFJ 993B Auto Tuner (\$100)**

- 300 Watts
- 1.8 – 30 Mhz



Contact Paul WA4MXT at 225-444-5307 and leave message





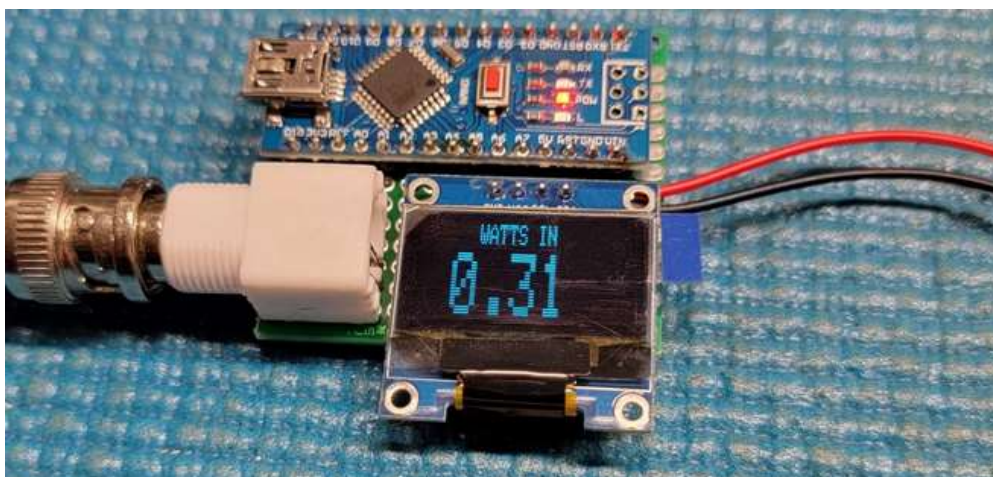
## Operating Tech and Tips

### Getting Started with Arduino Microcontrollers in Amateur Radio

The integration of microcontrollers like the Arduino into amateur radio has opened the door to countless creative possibilities, from simple station accessories to full-featured digital interfaces. For hams just dipping their toes into microcontroller projects, the Arduino platform offers an ideal entry point thanks to its low cost, extensive community support, and beginner-friendly tools.

#### What is Arduino?

Arduino is an open-source microcontroller platform built around easy-to-use hardware and software. Boards like the Arduino Uno or Nano can read inputs (like from a temperature



sensor or GPS module) and turn them into outputs (like activating a relay, sending serial commands, or displaying text on an LCD). Programming is done via a USB connection using the free Arduino IDE, which supports a simplified version of C++ and offers a massive library of pre-written code.

#### Why Use It in Amateur Radio?

Arduino excels in automating or enhancing shack operations. Common projects include:

- **CW Keyers** – Build your own iambic keyer with memory.
- **Antenna Switches** – Control relays to switch antennas with a button or based on band data.
- **Rotator Controllers** – Interface with azimuth or elevation rotators for satellites or HF beam antennas.



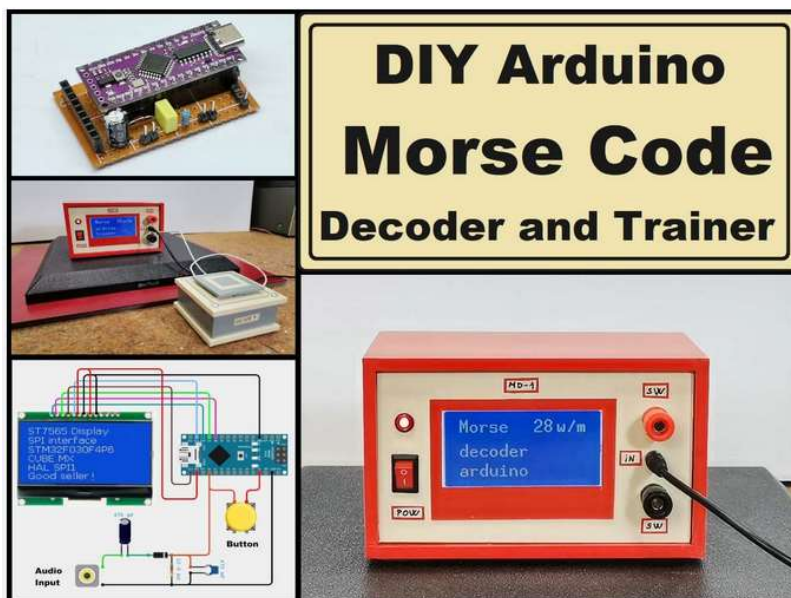
# Baton Rouge Amateur Radio Club



- **Frequency Counters or Displays** – Use Arduino with an OLED screen to display VFO frequency data.
- **Digital Mode Interfaces** – Manage PTT, CAT, or soundcard functions with smarter control logic.

## Getting Started

Begin with an Arduino Uno, a USB cable, and a few basic components like LEDs, buttons, and resistors. The Arduino website ([www.arduino.cc](http://www.arduino.cc)) offers a detailed getting started guide, and countless tutorials are available for ham-specific projects on sites like Instructables, GitHub, or YouTube. Once comfortable, you can branch into advanced boards like the ESP32, which adds Wi-Fi and Bluetooth—ideal for remote control applications.



## Final Thoughts

Arduino brings a maker's mindset to amateur radio. Whether you're building a simple station timer or integrating your entire shack with computer control, the skills you gain with microcontrollers can elevate your hobby and unlock new aspects of experimentation. Give it a try—your next favorite project might be just a sketch upload away.

---

For more inspiration or help, check out the ARRL's "Microcontroller Projects for Amateur Radio."

de AG5AY dit dit 



# Baton Rouge Amateur Radio Club



## 2025 Board Officers

**President**

**K5ROP**

**Joe Roppolo**

**Vice-President**

**AB5TH**

**Todd Houvinen**

**Secretary**

**N5UKZ**

**Mike Blazek**

**Treasurer**

**N4XEG**

**Jeff Sibley**

**Board Members:**

**WA9JBR**

**Jon Reise**

**K5HLC**

**Thornton Cofield**

**KF5TQN**

**Dan Lott**

**AG5AY**

**Jerry Cloutre**

**NS5W**

**Russ London**

**KI5ZAZ**

**Jason Mullins**

**KD5MLD**

**Mike Nolan**



Webmaster	WA5MLF	John Krupsky
Volunteer Examiner	WA9JBR	Jon Reise
Field Day	AD5VC	Dana Browne
Public Info & Outreach	K5HLC	Thornton Cofield
Repeaters	N5DGK	Brook Samuel
Education & Training	K5ROP	Joe Roppolo
RF News	AG5AY	Jerry Cloutre
Loaner Program	KF5TQN	Dan Lott
Emergency Operations	KD5MLD	Mike Nolan
QSL / Awards	WA9JBR	Jon Reise
USS KIDD	WA5MLF	John Krupsky



© Fire Radio by 2003.

### Elmers:

**Todd Huovinen AB5TH**  
**Jerry Cloutre AG5AY**  
**Dan Lott KF5TQN**





Baton Rouge Amateur Radio Club



# April Meeting: 3-D Printing by Matthew Edmonds, W5OTO

Exploring 3-D Printing for Ham Radio Operators

Presented by Matthew Edmonds April 29, 2025



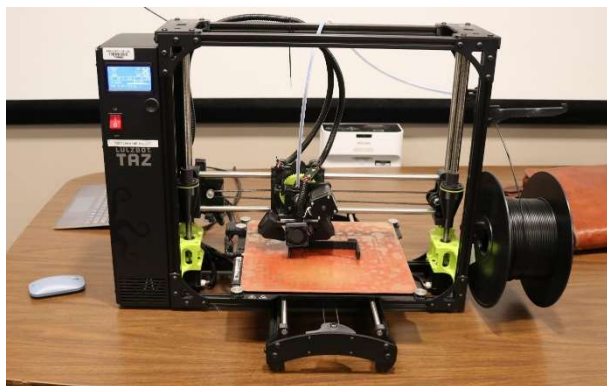
How do you write a summary of the presentation of 3-D printing by Matthew Edmonds? You don't because it conceptually portrays everything as it naturally occurs in the 3-D building process. What I am going to do is to throw some concepts out and then challenge you to pick up the linking threads by downloading Matthews' presentation. I encourage you to download Matthew's 3-D Printing Presentation by accessing the club's website [brarc.org](http://brarc.org) and follow the screen directions.

Matthew arrived approximately 45 minutes early to set up his printer operation and after a 15-minute set up he was already drawing an early crowd of onlookers. For his demo he was using a relatively expensive





## Baton Rouge Amateur Radio Club



high end 3-D printer named the LulzBot TAZ printer. Cost is somewhere between the \$4-7,000 range. However, in his presentation he did note 3 much less expensive printers that could serve most of a hobbyist's needs.

Matthew opened his presentation by noting the 3-D printer that was running in the background and hoped that it would not be too loud. If you did not get a chance to observe the operating printer earlier, he encouraged the members to spend a little time after the presentation to observe not only the shifting of the print head but also the laying of the plastic filaments as it slowly creates the finished object.



Matthew took us through the illustration of 3-D printing by emphasizing the software guided movement of the print nozzle. Software guided the mating of the laying down heat enabled soft plastic filaments to the 3-dimensional shape.

Matthew walked us through explanatory steps such as : What is 3-D printing, uses of 3-D Printing in HAM Radio, Types of 3-D Printers for Hobbyists, and an introduction to Slicing Software. His recommendations were to start small, but we were left with a good understanding of how to begin experimenting with 3-D printing at a relatively small startup cost. A computer is required to operate the 3-D printer.

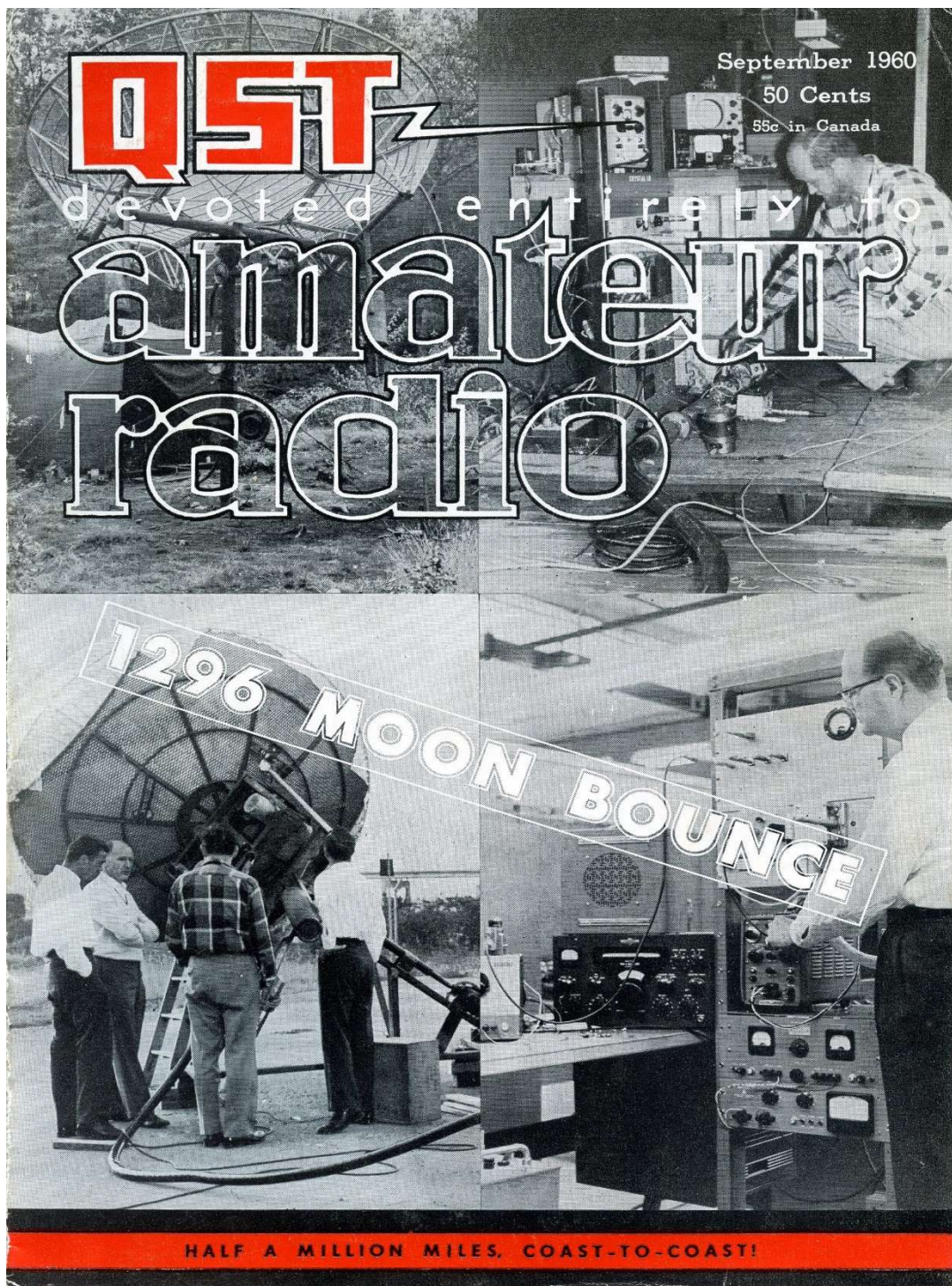




Baton Rouge Amateur Radio Club



## Tidbits and Other Stuff



- Be sure to check out **BRARC.org** for the latest news