

San Mateo Radio Club

QRM

The newsletter of the San Mateo Radio Club

October 2026

SMRC Builds Ground-Plane Antennas

On Saturday, September 26, 2026, the San Mateo Radio Club was invited to my home in Redwood City for an antenna build. We all made ground-plane antennas for just about any frequency we could think of. Many people made 2-meter antennas, as these would also make fine dual-band antennas that work well on 70 cm. Some made antennas for the 1.25-meter band, and some, including myself, W2YN, made GMRS antennas.

All antennas were made using 12-gauge solid copper wire and an SO-239 connector. The design was simple. First, we cut three pieces of copper wire: one for the radiating element and two for the radials. I ordered 15 SO-239 connectors and purchased 500 feet of solid 12-gauge copper wire from Home Depot.

I have made many of these antennas, mainly for specific frequencies, and have a favorite way to make them. We first discussed the basic ground-plane antenna design. The radiating element should be about 10 percent shorter than the radials. In addition, the design consisted of making four radials out of two lengths of wire. We achieved this by making each radial wire twice the required length and then bending it at two 90-degree angles, effectively making a square U shape. The bends had to be 20 millimeters apart to go through the holes of the SO-239.

Of course, each radial and radiating element was cut a little longer for tuning purposes. We also used needle-nose pliers to bend the end of the radiating element into a loop so we could hang the antenna.

Soldering the radials to the SO-239 was much easier using 12-gauge wire than 14-gauge wire. In addition to being a little stronger and less susceptible to incidental bending, it also meant that we used less solder to fill the holes of the SO-239. I like this design because it avoids screws and washers that can easily become loose over time.

Once soldered, we proceeded to bend the radials. This is what changes the feedpoint resistance of the antenna. At about 45 degrees, the antenna is close to 50 ohms and ready for the radio.

We did some rough trimming of the radials and radiating elements using my Sysjoint SV4401A vector network analyzer (VNA), set up on my little water feature in the backyard. We were all amazed at how precise the cuts needed to be for each element. But what really amazed us were the results we achieved after raising an antenna about eight feet into a persimmon tree. We were achieving SWRs under 1.3:1 on both 2 meters and 70 cm.

With one of the GMRS antennas, we used 14-gauge wire and were able to make eight radials as an experiment, with great results.

The club had many new members come by to make antennas, and what was great was seeing not only an eagerness to learn but also an eagerness to teach. One cool lesson was how to straighten copper wire from a roll from Home Depot. This was a trick Fred taught

me years ago. Place one end in a vise and the other end in a Makita drill. Then spin it back and forth a few times and watch the wire straighten out. This also makes it really easy to slide off the insulation using the stripping part of wire cutters.

We were able to receive N6NFI/R at S7 and got good signal reports from those who came back to us.

Some of the members there included Mike, N6IMY; John, KO6OTR; Derek, KO6PCQ; Justin, KO6FW; Daniel, K6DLC (who also brought donuts—big thanks!); Jerry, KO6IGD (thanks for the fantastic photos!); Kris, KO6NVH; Gary, KH6JRB; Isaac, AK6VQ; Aaron, AK6IM; and myself, Tony, W2YN.

It's always a pleasure to do events with the club, grow our radio skills, and have a social gathering. I'd be happy to do this again!





Other Club Activities

SMRC at Seniors on the Move

On Thursday, September 17, SMRC participated in Seniors on the Move, a conference for older adults hosted by San Mateo County Supervisor Jackie Speier. First organized in 1987 in honor of Speier's grandmother, the popular event returned this year for the first time since 2018.

Jerry Stern, KO6IGD, and Ed Ebert, KN6MBF, staffed the club's table, sharing copies of QRM, information about SMRC, and introducing visitors to amateur radio activities such as Parks on the Air (POTA) and emergency communications.

Jerry and Ed also set up a base station and handheld radios (HTs) to demonstrate amateur radio in action. Aaron Heller, AK6IM, monitored N6ZX/R from work, ready to make contact with anyone interested in getting on the air.

Thanks to Jerry and Ed for representing SMRC and helping introduce more people to amateur radio!

Elmering at Shorebird Park

On Sunday, September 20, SMRC members met at Shorebird Park in Foster City to help John Haydu, KO6OTR, get his HF station on the air. Joining John were Mike Klemens, N6IMY; Justin Burke, KO6FHW; Isaac Heller, AK6VQ; and Aaron Heller, AK6IM.

The group set up John's JPC vertical antenna and connected it to his uSDX+ transceiver. Running about 2.5 watts with a 1.4:1 SWR, they made several 20-meter SSB contacts with stations participating in the Washington State QSO Party. They could also hear stations in Colorado and New Mexico, although those stations couldn't quite copy their callsigns. Despite high-voltage transmission lines about 300 meters away, there was no noticeable interference.

The group also set up the club's Yaesu FT-710 and made additional 20-meter SSB contacts at 50–100 watts. The outing attracted interest from people walking, jogging, and cycling along the levee. One young boy and his mother stopped to learn about amateur radio, and Justin helped the boy get on the air with a station participating in the QSO party.

What started as a morning Elmering session turned into a productive and enjoyable outing that lasted until 2 PM—a chance to help a fellow member, make some contacts, and introduce a young visitor to amateur radio.

Pacificon 2026 — October 16–18

Pacificon 2026 takes place Friday, October 16, through Sunday, October 18, at the San Ramon Marriott. For details, visit www.pacificon.org.

SMRC is planning a club lunch meetup at Pacificon on Saturday, October 17, organized by Justin Burke, KO6FHW. If you'd like to join us, please RSVP to SanMateoRadioClub@gmail.com so we can save you a seat!

SMRC Leadership Elections for 2027

It's time to put in nominations for the San Mateo Radio Club Board of Directors for 2027. Nominations are due by October 31. The election will be by online ballot, with ballots due by the November general club meeting. Nominations are being accepted for all positions:

- President
- Vice-President
- Treasurer
- Secretary
- Program Chair

You may nominate yourself or any member in good standing with the San Mateo Radio Club. Please send nominations to Warren Bussard W6MOU, or to sanmateoradioclub@gmail.com. Nominations should include name, call sign, and a brief summary of qualifications for the role. This is an opportunity to have more of a say in priorities and activities of the club as well as to help it succeed as a club for all by helping to take care of some the essential activities that make this a formal club.

October Meeting

Our monthly meeting is scheduled October 16, 2026, at 19:15 (7:15 pm) and will be a Hybrid ZOOM/In-person meeting. Tony Hanni W2YN will tell you everything you ever wanted to know, and more about ARRL RadioGrams.

Directions to our in-person meeting room: <https://www.w6uq.org/contact/directions>

Calendar of Upcoming Events

This is a list of some local organizations and their web sites. Check with them for the dates, times, and locations of their meetings and events.

All meetings and events are subject to change/cancelation.

San Mateo Radio Club Meeting

October 16, 2026 at 19:15 (7:15 pm)

Third Friday of the month

Hybrid ZOOM/In-person meeting

Congregational Church of San Mateo

Will Bullis Community Room

Directions to the meeting and accessing the meeting room:

<https://www.w6uq.org/contact/directions>

San Mateo Radio Club Calendar

<https://www.w6uq.org/announcements>

Northern California DX Club Meeting

Third Thursday of the month

<https://ncdxc.org>

South County Amateur Radio Emergency Service Meeting

Third Thursday of the month

<https://www.k6mpn.org>

Pacificon 2026

San Ramon Marriott

2600 Bishop Drive

San Ramon, CA

October 16-18, 2026

<https://www.pacificon.org>

Electronics Flea Market

over until March 2027

★ Check the web site ★

<https://www.electronicsfleamarket.com/>

License Examinations:

Millbrae Amateur Radio Club

First Thursday of the Month

1 Library Ave, Meeting Room A

Millbrae, CA

<https://millbraearc.org/>

Sunnyvale VEC (may have shut down)

Second Saturday of the month

(in person sessions)

pre-registration required

<https://www.amateur-radio.org/print.htm>

Silicon Valley VE Group

First & Third Saturday of the month

(virtual sessions)

<https://svve.org/>

BAEARS – HAM Cram

November 22, 2026 at 08:00

Sunnyvale Rod and Gun Club

11998 Stevens Canyon Rd

Cupertino, CA

<https://www.baears.com>

★ reservations are required ★

Please confirm all events with the sponsors.

Calendar of Upcoming Contests

November 2026	
<u>North American SSB Sprint Contest</u>	0000Z-0400Z, Nov 1
<u>EANET Sprint</u>	0800Z-1200Z, Nov 1
<u>Classic Exchange, CW</u>	1400Z, Nov 1 to 0800Z, Nov 2 and 1400Z, Mar 3 to 0800Z, Nov 4
<u>High Speed Club CW Contest</u>	1400Z-1700Z, Nov 1
<u>Real Time Contest</u>	1600Z-2000Z, Nov 1
<u>K1USN Slow Speed Test</u>	0000Z-0100Z, Nov 2
<u>ICWC Medium Speed Test</u>	1300Z-1400Z, Nov 2
<u>OK1WC Memorial (MWC)</u>	1630Z-1729Z, Nov 2
<u>ICWC Medium Speed Test</u>	1900Z-2000Z, Nov 2
<u>RSGB 80m Autumn Series, Data</u>	2000Z-2130Z, Nov 2
<u>ARS Spartan Sprint</u>	0100Z-0300Z, Nov 3
<u>Worldwide Sideband Activity Contest</u>	0100Z-0159Z, Nov 3
<u>ICWC Medium Speed Test</u>	0300Z-0400Z, Nov 3
<u>Tuesday's Telegraphy Contest</u>	1930Z-2030Z, Nov 3
<u>QRP Fox Hunt</u>	0200Z-0330Z, Nov 4
<u>Phone Weekly Test</u>	0230Z-0300Z, Nov 4
<u>A1Club AWT</u>	1145Z-1300Z, Nov 4
<u>CWops Test (CWT)</u>	1300Z-1400Z, Nov 4
<u>VHF-UHF FT8 Activity Contest</u>	1700Z-2100Z, Nov 4
<u>Mini-Test 40</u>	1700Z-1759Z, Nov 4
<u>Mini-Test 80</u>	1800Z-1859Z, Nov 4
<u>CWops Test (CWT)</u>	1900Z-2000Z, Nov 4
<u>UKEICC 80m Contest</u>	2000Z-2100Z, Nov 4
<u>VHF-UHF FT8 Activity Contest-NA</u>	0000Z-0500Z, Nov 5
<u>Walk for the Bacon QRP Contest</u>	0000Z-0100Z, Nov 5 and 0200Z-0300Z, Nov 6
<u>CWops Test (CWT)</u>	0300Z-0400Z, Nov 5
<u>CWops Test (CWT)</u>	0700Z-0800Z, Nov 5
<u>NRAU 10m Activity Contest</u>	1800Z-1900Z, Nov 5 (CW) and 1900Z-2000Z, Nov 5 (SSB) and 2000Z-2100Z, Nov 5 (FM) and 2100Z-2200Z, Nov 5 (Dig)
<u>SKCC Sprint Europe</u>	2000Z-2200Z, Nov 5
<u>NCCC FT4 Sprint</u>	0100Z-0130Z, Nov 6
<u>Weekly RTTY Test</u>	0145Z-0215Z, Nov 6
<u>QRP Fox Hunt</u>	0200Z-0330Z, Nov 6
<u>NCCC Sprint</u>	0230Z-0300Z, Nov 6
<u>K1USN Slow Speed Test</u>	2000Z-2100Z, Nov 6
<u>YBDXPI FT8 Contest</u>	0000Z, Nov 7 to 2359Z, Nov 8
<u>IPARC Contest, CW</u>	0600Z-1800Z, Nov 7
<u>ARRL Sweepstakes Contest, CW</u>	2100Z, Nov 7 to 0300Z, Nov 9

<u>IPARC Contest, SSB</u>	0600Z-1800Z, Nov 8
<u>FIRAC HF Contest</u>	0700Z to 1700Z, Nov 8
<u>K1USN Slow Speed Test</u>	0000Z-0100Z, Nov 9
<u>4 States QRP Group Second Sunday Sprint</u>	0100Z-0300Z, Nov 9
<u>ICWC Medium Speed Test</u>	1300Z-1400Z, Nov 9
<u>OK1WC Memorial (MWC)</u>	1630Z-1729Z, Nov 9
<u>ICWC Medium Speed Test</u>	1900Z-2000Z, Nov 9
<u>Worldwide Sideband Activity Contest</u>	0100Z-0159Z, Nov 10
<u>ICWC Medium Speed Test</u>	0300Z-0400Z, Nov 10
<u>DARC FT4 Contest</u>	1900Z-2029Z, Nov 10
<u>Tuesday's Telegraphy Contest</u>	1930Z-2030Z, Nov 10
<u>QRP Fox Hunt</u>	0200Z-0330Z, Nov 11
<u>Phone Weekly Test</u>	0230Z-0300Z, Nov 11
<u>A1Club AWT</u>	1145Z-1300Z, Nov 11
<u>CWops Test (CWT)</u>	1300Z-1400Z, Nov 11
<u>VHF-UHF FT8 Activity Contest</u>	1700Z-2100Z, Nov 11
<u>Mini-Test 40</u>	1700Z-1759Z, Nov 11
<u>Mini-Test 80</u>	1800Z-1859Z, Nov 11
<u>CWops Test (CWT)</u>	1900Z-2000Z, Nov 11
<u>RSGB 80m Autumn Series, SSB</u>	2000Z-2130Z, Nov 11
<u>VHF-UHF FT8 Activity Contest-NA</u>	0000Z-0500Z, Nov 12
<u>CWops Test (CWT)</u>	0300Z-0400Z, Nov 12
<u>CWops Test (CWT)</u>	0700Z-0800Z, Nov 12
<u>NCCC FT4 Sprint</u>	0100Z-0130Z, Nov 13
<u>Weekly RTTY Test</u>	0145Z-0215Z, Nov 13
<u>QRP Fox Hunt</u>	0200Z-0330Z, Nov 13
<u>NCCC Sprint</u>	0230Z-0300Z, Nov 13
<u>K1USN Slow Speed Test</u>	2000Z-2100Z, Nov 13
<u>WAE DX Contest, RTTY</u>	0000Z, Nov 14 to 2359Z, Nov 15
<u>PODXS 070 Club Triple Play Low Band Sprint</u>	0000Z, Nov 14 to 2359Z, Nov 16
<u>10-10 Int. Fall Contest, Digital</u>	0001Z, Nov 14 to 2359Z, Nov 15
<u>JIDX Phone Contest</u>	0700Z, Nov 14 to 1300Z, Nov 15
<u>SKCC Weekend Sprintathon</u>	1200Z, Nov 14 to 2400Z, Nov 15
<u>OK/OM DX Contest, CW</u>	1200Z, Nov 14 to 1200Z, Nov 15
<u>CQ-WE Contest</u>	1900Z-2300Z, Nov 14 (CW/Digital) and 0100Z-0500Z, Nov 15 (Phone) and 1900Z-2300Z, Nov 15 (Phone) and 0100Z-0500Z, Nov 16 (CW/Digital)
<u>AWA Bruce Kelley 1929 QSO Party</u>	2300Z, Nov 14 to 0300Z, Nov 16 and 2300Z, Nov 21 to 0300Z, Nov 23
<u>Homebrew and Oldtime Equipment Party</u>	1300-1500Z, Nov 15 (40m) and 1500-1700Z, Nov 15 (80m)
<u>Classic Exchange, Phone</u>	1400Z, Nov 15 to 0800Z, Nov 16 and 1400Z, Nov 17 to 0800Z, Nov 18
<u>Run for the Bacon QRP Contest</u>	2300Z, Nov 15 to 0100Z, Nov 16

<u>K1USN Slow Speed Test</u>	0000Z-0100Z, Nov 16
<u>ICWC Medium Speed Test</u>	1300Z-1400Z, Nov 16
<u>OK1WC Memorial (MWC)</u>	1630Z-1729Z, Nov 16
<u>ICWC Medium Speed Test</u>	1900Z-2000Z, Nov 16
<u>RSGB FT4 Contest</u>	2000Z-2200Z, Nov 16
<u>Worldwide Sideband Activity Contest</u>	0100Z-0159Z, Nov 17
<u>ICWC Medium Speed Test</u>	0300Z-0400Z, Nov 17
<u>Tuesday's Telegraphy Contest</u>	1930Z-2030Z, Nov 17
<u>QRP Fox Hunt</u>	0200Z-0330Z, Nov 18
<u>Phone Weekly Test</u>	0230Z-0300Z, Nov 18
<u>A1Club AWT</u>	1145Z-1300Z, Nov 18
<u>CWops Test (CWT)</u>	1300Z-1400Z, Nov 18
<u>VHF-UHF FT8 Activity Contest</u>	1700Z-2100Z, Nov 18
<u>Mini-Test 40</u>	1700Z-1759Z, Nov 18
<u>Mini-Test 80</u>	1800Z-1859Z, Nov 18
<u>CWops Test (CWT)</u>	1900Z-2000Z, Nov 18
<u>VHF-UHF FT8 Activity Contest-NA</u>	0000Z-0500Z, Nov 19
<u>Walk for the Bacon QRP Contest</u>	0000Z-0100Z, Nov 19 and 0200Z-0300Z, Nov 20
<u>NAQCC CW Sprint</u>	0130Z-0330Z, Nov 19
<u>CWops Test (CWT)</u>	0300Z-0400Z, Nov 19
<u>CWops Test (CWT)</u>	0700Z-0800Z, Nov 19
<u>NTC QSO Party</u>	1900Z-2000Z, Nov 19
<u>NCCC FT4 Sprint</u>	0100Z-0130Z, Nov 20
<u>Weekly RTTY Test</u>	0145Z-0215Z, Nov 20
<u>QRP Fox Hunt</u>	0200Z-0330Z, Nov 20
<u>NCCC Sprint</u>	0230Z-0300Z, Nov 20
<u>K1USN Slow Speed Test</u>	2000Z-2100Z, Nov 20
<u>LZ DX Contest</u>	1200Z, Nov 21 to 1200Z, Nov 22
<u>All Austrian 160-Meter Contest</u>	1600Z-2359Z, Nov 21
<u>REF 160-Meter Contest</u>	1700Z-2400Z, Nov 21
<u>South American Integration Contest CW</u>	1800Z, Nov 21 to 2100Z, Nov 22
<u>Feld Hell Sprint</u>	1900Z-2059Z, Nov 21
<u>RSGB 1.8 MHz Contest</u>	2000Z-2300Z, Nov 21
<u>ARRL Sweepstakes Contest, SSB</u>	2100Z, Nov 21 to 0300Z, Nov 23
<u>K1USN Slow Speed Test</u>	0000Z-0100Z, Nov 23
<u>ICWC Medium Speed Test</u>	1300Z-1400Z, Nov 23
<u>OK1WC Memorial (MWC)</u>	1630Z-1729Z, Nov 23
<u>ICWC Medium Speed Test</u>	1900Z-2000Z, Nov 23
<u>Worldwide Sideband Activity Contest</u>	0100Z-0159Z, Nov 24
<u>ICWC Medium Speed Test</u>	0300Z-0400Z, Nov 24
<u>Tuesday's Telegraphy Contest</u>	1930Z-2030Z, Nov 24
<u>SKCC Sprint</u>	0000Z-0200Z, Nov 25

<u>QRP Fox Hunt</u>	0200Z-0330Z, Nov 25
<u>Phone Weekly Test</u>	0230Z-0300Z, Nov 25
<u>A1Club AWT</u>	1145Z-1300Z, Nov 25
<u>CWops Test (CWT)</u>	1300Z-1400Z, Nov 25
<u>Mini-Test 40</u>	1700Z-1759Z, Nov 25
<u>Mini-Test 80</u>	1800Z-1859Z, Nov 25
<u>CWops Test (CWT)</u>	1900Z-2000Z, Nov 25
<u>UKEICC 80m Contest</u>	2000Z-2100Z, Nov 25
<u>CWops Test (CWT)</u>	0300Z-0400Z, Nov 26
<u>CWops Test (CWT)</u>	0700Z-0800Z, Nov 26
<u>RSGB 80m Autumn Series, CW</u>	2000Z-2130Z, Nov 26
<u>NCCC FT4 Sprint</u>	0100Z-0130Z, Nov 27
<u>Weekly RTTY Test</u>	0145Z-0215Z, Nov 27
<u>NCCC Sprint</u>	0230Z-0300Z, Nov 27
<u>K1USN Slow Speed Test</u>	2000Z-2100Z, Nov 27
<u>ARRL EME Contest</u>	0000Z, Nov 28 to 2359Z, Nov 29
<u>CQ Worldwide DX Contest, CW</u>	0000Z, Nov 28 to 2400Z, Nov 29
<u>K1USN Slow Speed Test</u>	0000Z-0100Z, Nov 30
<u>QCX Challenge</u>	1300Z-1400Z, Nov 30
<u>ICWC Medium Speed Test</u>	1300Z-1400Z, Nov 30
<u>OK1WC Memorial (MWC)</u>	1630Z-1729Z, Nov 30
<u>QCX Challenge</u>	1900Z-2000Z, Nov 30
<u>ICWC Medium Speed Test</u>	1900Z-2000Z, Nov 30

You can click on the contest name and see details about the contest

All dates and times are shown as “Zulu” for UTC. PST is -8 hours and PDT is -7 hours from UTC.

For details and more information go to Bruce Horn’s, (WA7BNM) contest calendar site: <https://www.contestcalendar.com/>

San Mateo Radio Club Weekly NET

Join us every Tuesday evening at 19:00 PT (7:00 PM) on the N6ZX repeater.
There is a roll-call of members and afterwards guests are invited to check-in.

Feel free to:

Share what you are up to...

Pass along current and future ham events.

Share upcoming events, announcements, nets, and new things you are trying.

Chat with your fellow hams after roll call.

The N6ZX repeater:

Output: 145.370 MHz

Minus offset of 600 kHz

CTCSS (PL): 107.2 Hz

If the repeater is not operational, please transmit on simplex 145.370 MHz.

Announcements are made about club activities and items of local radio interest before the NET is closed.

Our thanks to the Kings Mountain Amateur Radio Club, for allowing us to use their repeater for our weekly NET.

Thursday Repeater Ham Chat and Learning

On-the-air event for the San Mateo Radio Club. Hope that you can join us in exercising your PTT on 2 meters.

We meet on the air to chat and learn - remember to bring examples and questions. Each evening, we set aside time to talk about the basics and lead into the weekly subject. All amateur radio operators are welcome – the club encourages visitors and guests to join in.

At 19:00 PT (7:00 PM) on Thursdays check in with your callsign and name, we will check in several hams and then have them share. As we get through each group, we will call for more hams to check-in. We also have several questions from the FCC question pools to ask, answer and talk about.

The N6ZX repeater:

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Our thanks to the Kings Mountain Amateur Radio Club, for allowing us to use their repeater for our weekly chat.

The Archives

Our past monthly meetings on ZOOM are recorded and available for viewing at:

<http://w6uq.org/meetings>

The photo archive is available at:

<http://w6uq.org/pictures>

Membership Renewals, Annual Dues, and Donations

The 2026 Annual Dues for the calendar year are now payable! You must be a paid-up member by October 31st to be able to vote for the club's leadership. Annual Dues are \$25.00. Please turn in a new Membership Application Form with your payment/renewal so that we can maintain a current roster.

Please use the on-line form and payment system at:

<https://www.w6uq.org/contact/dues>

We will always accept membership applications and renewals at any time because we know people have other priorities and obligations. The club wants to maintain flexibility for its members.

Membership Dues can be paid online, at meetings in-person, or by mail sent to our PO Box (go to the on-line form for all details).

The preferred method of payment is on-line.

Our online Membership Application Form now includes prompts to encourage other monetary donations to support the club's ongoing activities, and we would like to thank everyone who made one or more donations in recent months. As you may or may not know, membership dues help cover our costs to maintain liability insurance as well as other administrative needs, but collected dues do not necessarily cover all costs each year, especially if we need to purchase equipment and/or supplies for our Field Day events. Some members also donate in-kind services, and we are grateful for all of it. Thank you!!!

Contact us

San Mateo Radio Club
PO Box 751
San Mateo, CA 94401

E-mail: SanMateoRadioClub@Gmail.com
Web-site: <https://www.w6uq.org>
Calendar: <https://www.w6uq.org/announcements>

CRYPTOGRAM Nr 251

This months' cryptogram continues a series of cryptograms. This cryptogram is based on "Cryptogram-A-Day" by Louise Moll, available at your local bookstore.

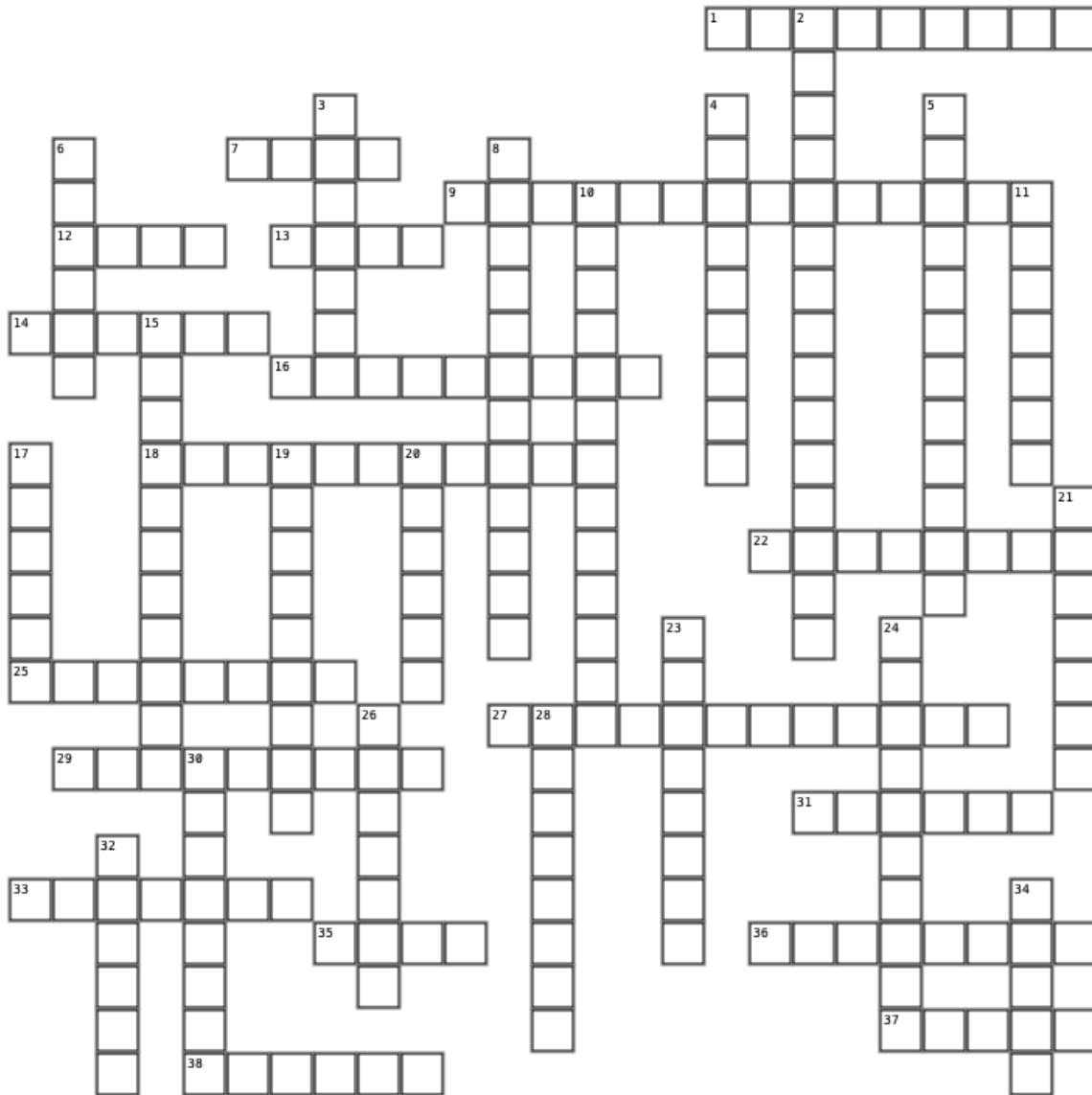
HKIP TAKQW AK HBXBF FK BFW PAMJOVAYP, AK PAM FK BFW FOJWF,
AK EVMBAZ KE BFW SKCP; BF YVA KJFHVWF VARFSBAZ. -WF. CVJH

Hint: A is N

September's cryptogram:

We don't grow older, we grow riper. -Pablo Picasso

W6BSD Fred's October Radio Crossword Puzzle



Answers in next month's QRM

Clues

Across

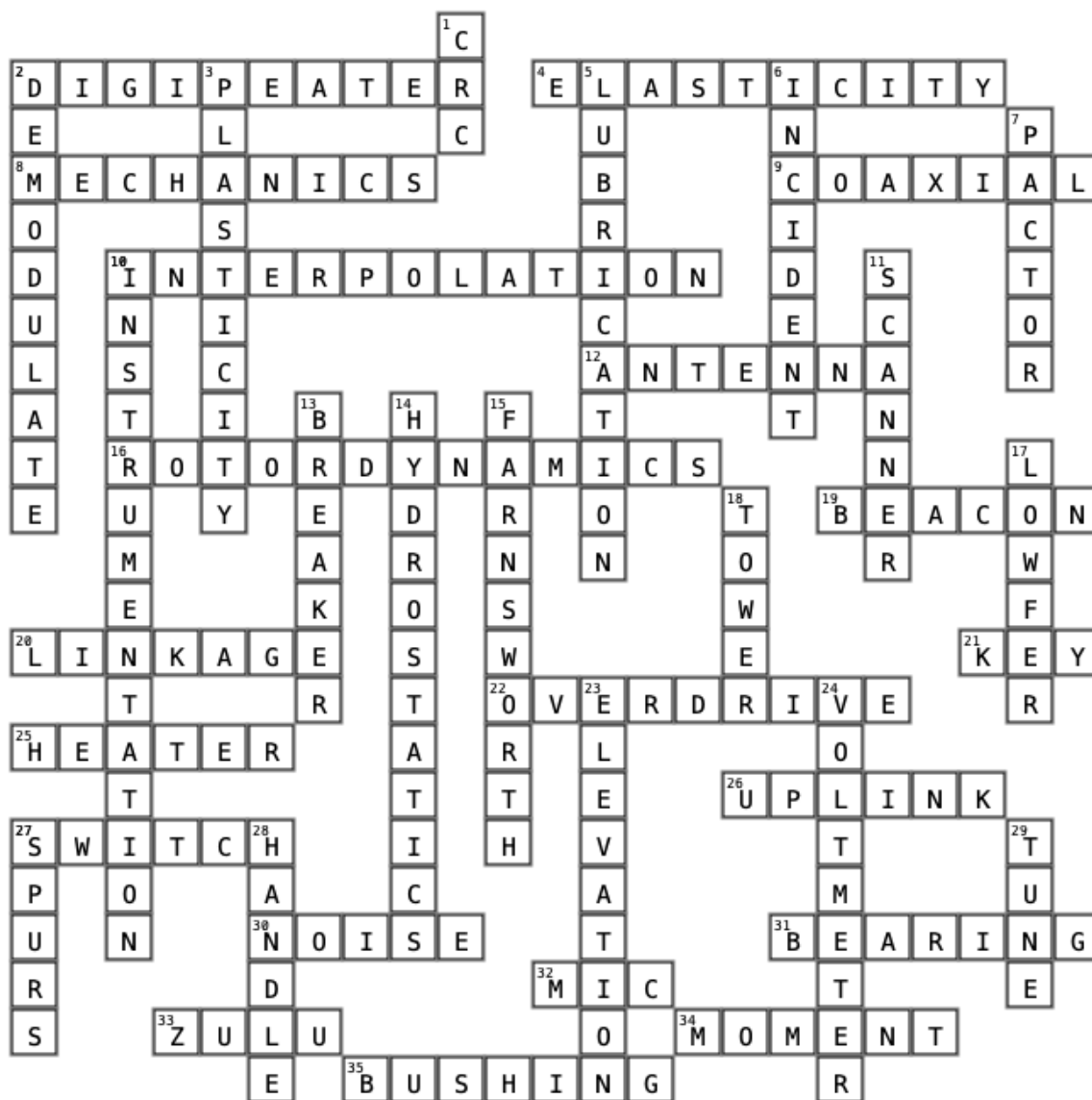
- 01. - The science and engineering of understanding friction, lubrication and wear for interacting surfaces in relative motion.
- 07. - Technology for sending voice communication over the internet.
- 09. - Orbiting objects having a rotation period synchronous with the Earth's rotation.
- 12. - A length of transmission line that is open or shorted at one end.
- 13. - Pre-arranged contact between radio operators.
- 14. - International distress call.

- 16. - The opposition to current that a capacitor or inductor creates in an AC circuit.
- 18. - Cyclic movements.
- 22. - Person holding a call sign.
- 25. - A passive two-terminal electrical component that implements electrical resistance as a circuit element.
- 27. - A subfield of fluid dynamics and gas dynamics, aerodynamics is the study of the motion of air and its interaction with physical objects.
- 29. - Continuous range of frequencies being used by a particular transmission.
- 31. - First part of a call sign.
- 33. - Center-fed dipole fed with a vertical ladder line.
- 35. - The unit of electric potential difference in the International System of Units (SI).
- 36. - Conducting wire with a high melting point part of a vacuum tube.
- 37. - Self-supporting structure used to support one or more antennae.
- 38. - Variations of attenuation within the passband of a filter.

Down

- 02. - A phenomenon that occurs when two or more fundamental frequencies are present in an electronic circuit.
- 03. - An assembly of systems connected so as to manage forces and movement.
- 04. - An area of physics concerned with the relationships between force, matter and motion among physical objects.
- 05. - Transmissions intended for the general public.
- 06. - Provides multiple electrical devices a common connection.
- 08. - Measure of the ability of a material to conduct magnetic flux.
- 10. - Solid-state electronic component.
- 11. - A network of community weather spotters serving the national weather.
- 15. - A change in the size or shape of an object.
- 17. - British term for feedline.
- 19. - Theoretical antenna used as a reference.
- 20. - One Coulomb of charge per second.
- 21. - The ability of liquid solder to attach itself to the surfaces being joined.
- 23. - Binary file that contains configuration information.
- 24. - A component used for transmitting mechanical power, torque and rotation.
- 26. - Physical equipment that can transmit and receive.
- 28. - A repeater that receives further than it can transmit.
- 30. - Device used in repeater systems which allows a single antenna to transmit and receive simultaneously.
- 32. - Communication mode in which a radio transmits on one frequency and receives on another.
- 34. - Action of releasing the PTT.

Answers to W6BSD Fred's September Radio Crossword Puzzle



QRM

The newsletter of the San Mateo Radio Club