

SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 51, Number 10

October 2026



ARRL News

09/25/2026

FCC and HHS Initiate New Proceedings on RF Exposure

ARRL The National Association for Amateur Radio® is following two new federal proceedings concerning radio frequency (RF) exposure. On September 17, 2026, the FCC and the U.S. Department of Health and Human Services (HHS) initiated parallel comment periods on RF safety issues. Neither inquiry changes the current FCC RF exposure rules that apply to all radio amateurs but could lead to changes in later proceedings if the current rules are found to be deficient.

The FCC's [Public Notice](#) is narrowly focused on specific RF exposure issues remanded to the Commission in 2021 by the U.S. Court of Appeals. The Commission emphasizes that it will give particular weight to submissions reflecting specialized expertise in health and safety matters. The HHS Request for Information ([see also HHS press release](#)) broadly seeks evidence and information concerning the potential health effects of electromagnetic fields (EMFs). RF radiation, and wireless technologies.

(<https://www.fcc.gov/document/fcc-requests-comment-rf-exposure-remand-0>
<https://www.hhs.gov/press-room/hhs-seeks-public-input-electromagnetic-fields-wireless-radiation.html>)

Comments on the HHS inquiry are due October 21, with comments on the FCC issues due by October 22.

The current rules governing RF exposure took effect on May 3, 2021, and are discussed in the [September 2021](#) and [May 2023](#) issues of QST. The ARRL website features additional information, including an RF exposure calculator, the RF Safety section from the 100th Edition of The ARRL Handbook for Radio Communications, an explanatory video, FAQs, and more. ARRL has made these resources available to everyone in the amateur radio community without regard to membership. ARRL urges all licensees to stay compliant and safe.

([https://www.arrl.org/files/file/QST/This Month in QST/2021/09 September 2021/HARE.pdf](https://www.arrl.org/files/file/QST/This%20Month%20in%20QST/2021/09%20September%202021/HARE.pdf)

[https://www.arrl.org/files/file/Lab/RF Exposure/2023-05 Lapin FCC Exposure Rules.pdf](https://www.arrl.org/files/file/Lab/RF%20Exposure/2023-05%20Lapin%20FCC%20Exposure%20Rules.pdf))

Will RADE Be the Next SSB?

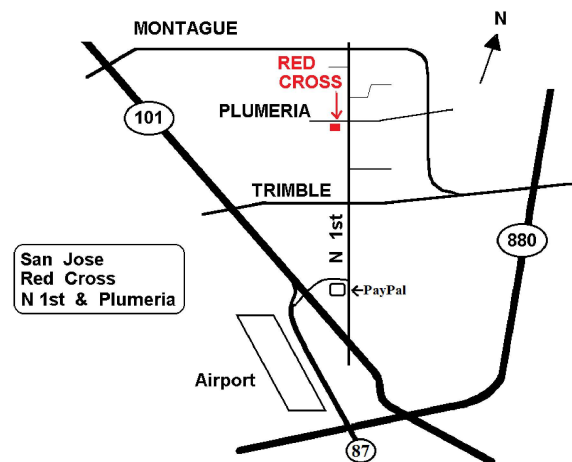
It's been a half century since single sideband (SSB) supplanted amplitude modulation (AM) as the most popular voice mode on HF, due largely to its spectrum efficiency, occupying roughly half

Calendar

10/12 SCCARA General Meeting
10/19 SCCARA Board Meeting
10/31 Club Station open 10 am to 4 pm

General Meeting

Day: Monday, October 12
Time: 7:30 PM
Place: San Jose Red Cross, meeting room 3
Featuring: {to be announced}



the bandwidth of an AM signal. Now, there's a new digital voice mode from FreeDV called Radio Autoencoder, or RADE, that occupies half the bandwidth of an SSB signal and reportedly provides more natural-sounding speech. According to Amateur Radio Digital Communications (ARDC), which funded research that advanced RADE's development, "FreeDV RADE combines machine learning with classical digital signal processing (DSP) and can operate at signal-to-noise ratios (SNRs) as low as -2 dB. Its design also addresses spectrum use, speech quality, and power efficiency, all important considerations for voice communications over HF."

The **SCCARA-GRAM** is published monthly by the **SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION**, PO Box 106, San Jose CA 95103-0106.

SCCARA was formed in 1921 and became a non-profit corporation in 1947. SCCARA is an affiliate of the American Radio Relay League (ARRL).

The club station is **W6UW**, located at the San Jose Red Cross.

Permission to reprint articles is hereby granted, provided the source is properly credited.

The deadline for articles is the **last Monday of the month**.

Web page: www.sccara.org

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(officers are also directors)

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SCCARA REPEATERS

SCCARA owns and operates two repeaters under the call W6UU:
2 m: 146.985 - PL 114.8
70 cm: 442.425 + PL 107.2

Phone auto-dial and auto-patch is available. The 2 m repeater is located at Eagle Rock near Alum Rock Park in the foothills of east San Jose. The 70 cm repeater is located at the Regional Medical Center (formerly Alexian), east of downtown San Jose, north of 280 and 101.

SCCARA NETS

On our 2 m repeater: Mondays at 7:30 PM, (not the second Monday--that's our meeting night); net control: Don Village, K6PBQ. On 10 m, 28.385 MHz USB, Thursdays at 8:00 PM; net control: *{to be announced}*. Visitors welcome.

N0ARY PACKET BBS

SCCARA hosts the packet BBS N0ARY (connect to n0ary-1). User ports: 145.09 MHz at 1200 baud, 433.37 MHz at 9600 baud, and telnet sun.n0ary.org (login "bbs"). Sysop: Gary Mitchell, WB6YRU. For general packet info, see the NCPA web site ncpa.n0ary.org.

AMATEUR LICENSE TESTING

ARRL/VEC Silicon Valley VE group: <https://www.svve.org>
Morris Jones, AD6ZH: 408-507-4698

Most significantly, ARDC reports that manufacturers are beginning to integrate the mode directly into their radios, starting with a module that can be [downloaded](#) and installed on certain FlexRadio models. Users of other transceivers may run the mode through computers connected to their radios. More details are available from [FreeDV](#) and on the [ARDC website](#).

(<https://freedv.org/download/>

<https://freedv.org/radio-autoencoder/>

<https://www.ardc.net/freedv-rade-a-new-approach-to-digital-voice-over-hf-now-integrated-into-popular-radios>)

9/17/2026

Get Ready for Jamboree on the Air

"We've got scouts, we've got a special event call sign, and we'd love as many hams as possible — near and far — to come find us on the air." That's how Sal Mancuso, W6SAL, is promoting Jamboree on the Air (JOTA) 2026 on behalf of the Silicon Valley Monterey Bay Council of Scouting America (formerly Boy Scouts of America). JOTA is an annual worldwide event, on the air and on the internet (as JOTI), with the goal of promoting friendship and global citizenship via amateur radio and the internet. This year's event will be held from October 16-18, and now is a good time for radio clubs and individual hams to reach out to local scout units to set up JOTA experiences.

For Mancuso, it has meant getting a special event call sign, K6S, and setting up a public demonstration station on October 17 for scouts from throughout the Silicon Valley Monterey Bay Council. The council serves 10,000 youth across Monterey, San Benito, Santa Clara, and Santa Cruz counties in California. "We'll have approximately seven licensed operators of varying license classes (Technician through Extra) on hand, running HF, VHF, and UHF simultaneously, all signing K6S," explains Mancuso. "Scouts will be hands-on at the mic and keyboard the whole time — this is their event, not just something they're watching ... We'll be active on HF SSB and FT8, with packet possible as well." Planned HF SSB frequencies are 7.090, 14.290, 18.140, and 28.990 MHz, but Mancuso noted that "We'll also be posting our actual live frequencies on [Spotted Hams](#) as the day goes, since real-world band conditions may shift our plan a bit."

(<https://spottedham.com/>)

More information on setting up a JOTA/JOTI operation may be found at www.jotajoti.info. ARRL has resources to assist volunteers who are working with scouts, including a flyer promoting [Radio Communications for Scouts](#) (PDF) and the [ARRL Radio and Wireless Technology Patch Program](#). For additional ideas, visit www.arrl.org/amateur-radio-and-scouting.

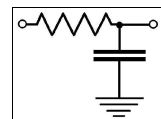
(<https://www.arrl.org/files/file/Scouting/Scout20v2.pdf>

<https://www.arrl.org/girl-scouts-radio-patch-report>)

Twin-T Notch Filter: a Look Under the Hood

In last month's article about the twin-T notch filter I mention that the "heavy lifting" was done by phase relationships. Let's take a closer look at that and see how the magic works.

Here's the simple RC filter, in this case it's a low-pass.



The *resistance* of a capacitor is frequency-dependent and there's a phase component, so it's called "reactance" to

distinguish it from simple resistance. It's X_C for capacitors and X_L for an inductors.

$$X_C = 1 / (2 \pi f C)$$

where f is the frequency in Hz, C is the capacitance in Farads.

Just to be complete, for inductors (coils) it's

$$X_L = 2 \pi f L$$

where L is inductance in Henries.

Since reactance works like resistance, the RC circuit is like two resistors in series except one changes with frequency. As we sweep from high to low frequency the capacitor goes from low to high resistance, at one particular frequency the two will be the same. That's the "roll-off", the transition point where the filter goes from "block" to "pass." At the roll-off frequency the output amplitude will be half the input (3 dB). Since that roll-off is where $R = X_C$, plugging that R in for X_C in the above equation gives us the familiar RC equation:

$$f = 1 / (2 \pi R C)$$

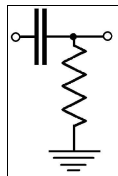
That's good enough for the simple RC filter, we don't need to care about the phase. But in other circuits--like the notch filter--we very much do care! That's where a little math comes in. But first, let's just get a feel for it...

Suppose we suddenly apply a voltage to the input (left end). The output is the voltage across the capacitor which starts out at zero. The input voltage is at one end of the resistor and zero volts is at the other end--that's a voltage drop across a resistor--which means current is flowing. That current is charging the capacitor. As the capacitor charges, the voltage at the output will increase and the voltage drop across the resistor decreases (and thus the current decreases too).

Notice that means the voltage at the output is effectively **delayed** as the capacitor charges up, but the current is immediate. So the **voltage at the output lags the input**.

Here (right) we have a high-pass configuration. In this case the charging current produces an immediate voltage across the resistor while the charge builds up in the capacitor. So for the high-pass the **signal voltage at the output leads**.

How much the signal leads or lags depends on the component values and the frequency. And that's where **phase** comes in.



Now, **don't panic!** Even if you're not a math wiz, this won't be as complicated as it may seem at first. Let's just walk through it. The goal is to add a little understanding. But if you would rather not, feel free to skip forward to where we apply this stuff to the twin-T notch filter.

We won't be needing impedance, but it appears in the equations and we use it for other things so let's briefly review:

Impedance is resistance and reactance combined and there's a phase component. **Impedance**, Z , is given by:

$$Z = R + jX_L \quad \text{for inductance, and}$$

$$Z = R - jX_C \quad \text{for capacitance.}$$

The inductance equation is given just to be complete, we won't be dealing with inductors here.

As expected there's the reactance term, X , but what's with the "j" term and the sign change?

Well, that's the *imaginary* component, which is math-speak for the phase. Also, in math the imaginary value is denoted by 'i', but in electronics we call it 'j' to avoid confusion with current.

The basic idea with this *imaginary* business is that the voltage changes with time--that's phase. And the sign keeps track of whether it's a capacitor or inductor.

Consider this basic graph with resistance along the horizontal axis and reactance along the vertical axis. The impedance will be a sloping straight line between those two and

it's at some angle. Since reactance changes with frequency, the angle of that impedance line changes.

In this example the resistor is 8.92Ω , the capacitor is -8.03Ω , and the impedance is the diagonal line, 12.0Ω . That negative sign is by convention, it would be positive if we were talking about an inductor.

The angle of the impedance line is -42° , down from the resistance axis (positive if it were an inductance). That's the phase angle, θ . That's the only thing we need to see how the twin-notch filter works!

Looking at that graph, there is a triangle with the reactance along the side, resistance along the top, and impedance makes the third side (the hypotenuse). We want the angle θ . The tangent of that angle is:

$$\tan \theta = X / R$$

To get the phase angle θ , we need the inverse function:

$$\theta = \arctan (X / R)$$

Obviously we'll want to use a calculator that has trig functions. So this turns out to be relatively easy--just divide the reactance X by resistance R and hit the arctan key (it might be labeled $\tan^{-1}$ on some calculators) and you have the phase angle! That wasn't so bad after all.

Since the RF signal is a sign wave, that phase angle tells us the delay. 90° would be a $1/4$ wave delay. And 180° would be exactly out of phase--that's what we're looking for at the output of the twin-T notch filter.

OK, let's revisit that notch filter!

The twin-T notch filter is made of two RC filters in parallel, each feeds a third RC from different ends. That last part won't be too complicated, we just need to keep track of which way the signal is going.

The top left RC is a 2 k resistor and a $2.653 \mu\text{F}$ capacitor, that's a low-pass. And remember, in this case $f = 60 \text{ Hz}$. So:

$$R = 2000$$

$$X_C = 1 / (2 \pi f C) = 1000$$

$$\theta = \arctan (X / R) = \arctan (1000 / 2000) = 26.57^\circ$$

That's a low-pass, so the phase angle of its output is *delayed* by 26.57° .

The bottom left RC is a $1.326 \mu\text{F}$ capacitor and a 1 k resistor:

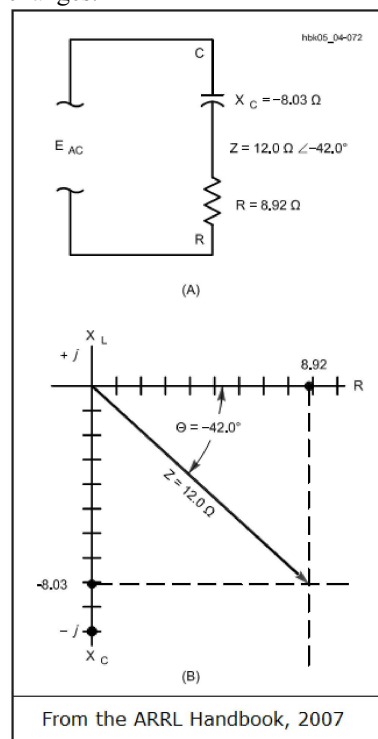
$$X_C = 1 / (2 \pi f C) = 2000$$

$$R = 1000$$

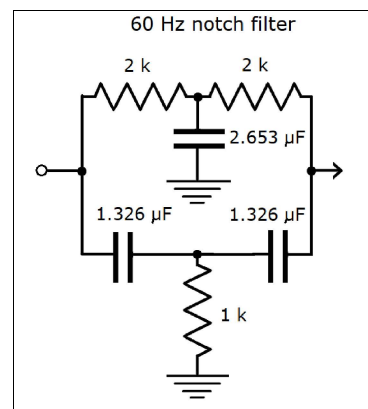
$$\theta = \arctan (X / R) = \arctan (2000 / 1000) = 63.43^\circ$$

That's a high-pass, so the phase angle of its output will be *advanced* by 63.43° .

If there was no third RC, just those two combined at the



From the ARRL Handbook, 2007



output, the bottom one *advances* by 63.43° and the top one *delays* by 26.57° . The total angular distance between those two signals is the sum of those angles, or 90° . That is, the outputs of the top left and bottom left RC filters are 90° out of phase! That's a clue as to where we're headed.

Now, the third RC (on the right in the circuit) is fed at the *bottom* by the signal that's *advanced* by 63.43° and it's fed at the *top* by the signal that's *delayed* by 26.57° . Furthermore, the bottom RC sees that third RC as another a high-pass, since it's looking into a capacitor with the resistor at the far end. On the other hand, the upper RC sees that third RC as a low-pass, since it's looking into a resistor with the capacitor at the far end.

That means the *advanced* signal out of the **bottom left** RC will be *further advanced* by the third RC since it's just a second high-pass filter.

Likewise, the *delayed* signal out of the **top left** RC will be *further delayed* by the third RC, since it's just a second low-pass filter.

Still with me? The third RC is a low-pass or a high-pass depending on which way the signal is fed into it.

That third RC filter is a 2 k resistor and a $1.326 \mu\text{F}$ capacitor:

$$R = 2000$$

$$X_C = 1 / (2 \pi f C) = 2000$$

$$\theta = \arctan (X / R) = \arctan (2000 / 2000) = 45.00^\circ$$

So, the delayed signal by the top left RC will get *further delayed* by 45° . And the advanced signal by the bottom left RC will get *further advanced* by 45° .

Adding those up at the **output** of the twin-T filter:

The total *delay* of the signal going through the upper path is $26.57^\circ + 45^\circ = 71.57^\circ$.

The total *advance* of the signal going through the lower path is $63.43^\circ + 45^\circ = 108.43^\circ$.

Since one is delayed and the other is advanced, we sum them to get the total angular distance between the two signals at the output: $71.57^\circ + 108.43^\circ = 180^\circ$.

And voila! They're 180 degrees out of phase – they cancel!

Now, you may be thinking: "Not so fast! The amplitudes need to match as well, or they won't cancel!" Yes, that's true.

Look at the roll-off frequencies of the two input RC filters, $f = 1 / (2 \pi R C)$:

The top left RC is a **low-pass** with a roll-off frequency of 30 Hz. The target notch frequency is 60 Hz. That's a factor of 2 into its band-reject region.

The bottom left RC is a **high-pass** with a roll-off frequency of 120 Hz. Likewise, 60 Hz is a factor of 2 into its band-reject region.

So both of those would reduce the input signal by the same amount. And both signals then go through the same third RC, which will affect them by the same amount. So we're good.

One last thing: You may have noticed that it should work if all three RC filters were the same. And maybe so. But as is, the two input RC filters will reduce the notch frequency a little more than it would if they were all the same.

H. W. Augustadt invented this design in 1934 while working on power supply filters, part of investigations for telephone and phonograph amplifier circuits. It's quite clever. You see, it's not a conventional filter, it's a phase-cancelling circuit. Given its relative simplicity (just 3 resistors and 3 capacitors), it has an impressively deep null at the notch frequency.



73, Gary WB6YRU

Meeting Minutes

General Meeting, Sept. 14, 2026



Room 3, American Red Cross, N 1st & Plumeria, San Jose, CA

Meeting called to order by President Gregg Lane KF6FNA at 7:36 PM.

Customary self introductions: Gregg KF6FNA, Janet KF6PUQ, Lou WA6QYS, Don KG6GO, Gary WB6YRU, Ned AC6YY, Pablo KO6FCL. Visitors: Russ Sansom (ex-K4SOD), Keith Moeller W6KLE, Denzell Dixon, Beni (son of Pablo).

Announcements

President Gregg KF6FNA:

- The club station will be open on the last Saturday of each month, 10 AM - 4 PM.
 - Our weekly nets on the 2 m repeater are on Mondays at 7:30 pm.
 - Several HAMS have an informal get-together at the Black Bear Diner (on El Camino in Sunnyvale, south of Cezanna Dr.) on Wednesdays 11:30 am to 3 pm, everyone is welcome.
 - Pacificon will be at the San Ramon Marriott, Oct. 16-18.
 - We made some baluns with wire antennas, I've got more wire if anyone needs some.
 - Now that the weather is cooler, we'll schedule some picnics at a park.
- We'll be at Mary Gomez Park in Santa Clara on Sunday Sept. 20. The first of us will show up around 8 am to secure a spot, we'll stay until around 3 pm. Potluck, club will furnish hot dogs and sodas.

Gary WB6YRU: I wrote an article on the twin-T notch filter. If anyone is interested in the details of how it works, I'd be happy to write a follow-up article.

Don KG6GO: Regarding the club station, what exactly happens if there should be a major disaster?

Discussion on emergency communications.

Gregg KF6FNA gave a summary description of RACES/ARES. The Red Cross has their own frequencies and procedures. Our station is at the Red Cross, they and select club members would provide secondary communications to support Red Cross disaster relief efforts. RACES/ARES would be doing their own thing separately.

George N6NKT (Red Cross rep.) is particularly interested in us having the ability to send email via Winlink.

During that discussion, mention was made of linked repeaters and networks.

Gary WB6YRU: Our 2 m and 70 cm repeaters could be linked. That was discussed some years ago but nothing ever came of it. Gregg KF6FNA and Ned AC6YY asked for a brief write-up on how that could be done.

Meeting adjourned at 8:21 pm

Gary Mitchell WB6YRU, recording for the Secretary

Board Meeting, Sept. 21, 2026



Held verbally on our 2 m repeater W6UU/R

Meeting called to order by President Gregg Lane KF6FNA at 7:46 PM

Attendance: President Gregg Lane KF6FNA, Treasurer Ned Tufekic AC6YY, Station Trustee Don Village K6PBQ. Directors Lou Steirer WA6QYS, Wally Britten KA6YMD.
Excused Absent: John Parks W6JPP
Absent: Janet Motha KF6PUQ
Visitors: Gary WB6YRU (editor), Andy KR6DD

Announcements
(none)

Officer Reports

President's Report, Gregg KF6FNA: Thanks to those who showed up at Mary Gomez Park.

Secretary's Report:
Gregg KF6FNA: The meeting minutes were published in the SCCARA-GRAM.

Re: general meeting minutes for Aug. 10, 2026, any corrections? (nothing heard)
Any opposed to accepting minutes as published? (nothing heard)
Accepted as published.

Re: board meeting minutes for Aug. 17, 2026, any corrections? (nothing heard)
Any opposed to accepting minutes as published? (nothing heard)
Accepted as published.

Treasurer's Report, Ned AC6YY: We have \$11450 in checking. \$0 in petty cash
Any opposed to accepting the report? (nothing heard)
Accepted.

Station Trustee's Report, Don K6PBQ: Nothing new to report.

Standing Committees

Editor's report, Gary WB6YRU: Most members get their info about club activities from the SCCARA-GRAM. So it's important to get advanced notice about them in the newsletter. We have not been doing that recently.

BBS Sysop's report, Gary WB6YRU: The BBS got stuck from a corrupted database file, I got that cleared up. Not much else new to report.

Webmaster's report, Ned AC6YY: All is well with the web site, no issues.

Repeater Chairman's report, Goetz K6GKB:
Gregg KF6FNA: I called Goetz earlier, he reports it's working fine.

Old Business

Gregg KF6FNA: Regarding the coax jumper board for the club station, we'll look into that more this Saturday when the club station is open.

Gary WB6YRU: Regarding the switch panel option, are we giving up on that?

Gregg KF6FNA: The switch idea hasn't been turned down, but it is more expensive. We should get a better handle on exactly what that cost might be, then decide.

Wally KA6YMD: The patch board might be more flexible.

Gary WB6YRU: The switch version would be better and easier to use, but it would cost more. To get an estimate on the cost, we need to know the maximum number of antenna coax cables there could be.

Gregg KF6FNA: The limiting factor is the pass-through on the

roof. We're nearly at the maximum on that now. We might be able to squeeze through one more coax (for the new beam) but that's it.

Gregg KF6FNA: Regarding the tower: we're waiting for the OK from George (Red Cross rep). Once we get the OK, we can proceed. Contact me if anyone is interested in helping with that.

New Business

Gregg KF6FNA: Regarding our antenna Trailer at the American Legion Post. The clamps on the beam need some servicing. John W6JPP will be there. Let me know if anyone else is interesting in helping with that.

Any other new business?
Don K6PBQ: propose we close the meeting
Wally KD6YMD: second

Meeting adjourned at 8:08 PM

Gary Mitchell WB6YRU, recording for the Secretary

Packet Pieces

Downloaded from the BBS packet network:

=====

Date: 1 May 2020 23:33
From: GM3YEW@GB7YEW
To: HUMOUR@WW
Subject: jokes 2/5

Quotes attributed to Jerry Seinfeld

* A bookstore is one of the only pieces of evidence we have that people are still thinking.

* According to most studies, people's number one fear is public speaking. Number two is death. Death is number two. Does that seem right? That means to the average person, if you have to go to a funeral, you're better off in the casket than doing the eulogy.

* Father's don't wear bathing suits, they wear trunks. It's kind of the same thing a tree would wear if it went swimming.

* First ten years of my life I think the only clear thought that I had was... "Get Candy!"

* I don't understand how a woman can take boiling hot wax, pour it on upper thighs, rip the hair out by the roots, and still be afraid of a spider.

* No face, mouth open ... that is how the drug companies see the public.

* Now they show you how detergents take out bloodstains, a pretty violent image there. I think if you've got a T-shirt with a bloodstain all over it, maybe laundry isn't your biggest problem.

* On the side of box of my superman costume it actually said - "Do not attempt to fly!"

* People who read the tabloids deserve to be lied to.

* The Four Levels of Comedy: Make your friends laugh, Make strangers laugh, Get paid to make strangers laugh, and Make people talk like you because it's so much fun.

* The Inland Revenue--They're like the Mafia, they can take anything they want!

* The padded outfits, the bad scripts, the phony-looking sets. He dealt with it all. He had to, he was Superman.

* The whole object of comedy is to be yourself and the closer you get to that, the funnier you will be.

* The whole reason you watch a TV show is because it ends. If I wanted a long, boring story with no point to it, I've got my life.

* The worst thing about television is that everybody you see on TV is doing something better than what you're doing. You never see anybody on TV just sliding off the sofa with potato chip crumbs all over their shirt.

* When men are growing up and they're reading about Batman, Spiderman, Superman... those are not fantasies... they're options.

* Would you (women) like to know what men are thinking? The truth? The honest truth of what they are thinking? Nothing!

=====
Date: 2 May 2020 23:23
From: GM3YEW@GB7YEW
To: HUMOUR@WW
Subject: jokes 3/5

HOW THE FIGHT STARTED

Saturday morning I got up early quietly dressed made my lunch grabbed the dog and slipped quietly into the garage. I hooked up the boat up to the truck and proceeded to back out into a torrential downpour. The wind was blowing 50 mph so I pulled back into the garage turned on the radio and discovered that the weather would be bad all day.

I went back into the house quietly undressed and slipped back into bed. I cuddled up to my wife's back now with a different anticipation and quietly whispered 'The weather out there is terrible.'

My loving wife of 10 years replied 'Can you believe my stupid bloody husband is out fishing in that?'

And that's how the fight started.

My wife and I are watching Who Wants To Be A Millionaire while we were in bed. I turned to her and said "Do you want to have sex?"
"No" she answered.
I then said "Is that your final answer?"
She didn't even look at me this time simply saying "Yes."
So I said "Then I'd like to phone a friend."

And that's how the fight started.

I took my wife to a restaurant. The waiter for some reason took my order first. 'I'll have the strip steak medium rare please.'
He said 'Aren't you worried about the mad cow?'
'Nah' I said 'she can order for herself.'

And that's how the fight started.

My wife and I were sitting at a table at my high school reunion and I kept staring at a drunken lady swigging her drink as she sat alone at a nearby table. My wife asked 'Do you know her?'

'Yes' I sighed 'she's my old girlfriend. I understand she took to drinking right after we split up those many years ago and I hear she hasn't been sober since.'

'My God!' says my wife 'Who would think a person could go on celebrating that long?'

And that's how the fight started.

A woman is standing nude looking in the bedroom mirror. She is not happy with what she sees and says to her husband: 'I feel horrible I look old fat and ugly. I really need you to pay me a compliment.'
The husband replies 'Your eyesight's darn near perfect.'

And that's how the fight started.

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Date: 15 Apr 2020 23:08
From: GM3YEW@GB7YEW
To: HUMOUR@WW
Subject: jokes 16/4

Quotes

Men are like floors. Lay 'em right and you can walk all over them for thirty years. ~ Betsy Salkind

The only reason they say 'Women and children first' is to test the strength of the lifeboats. ~ Jean Kerr

When a man opens a car door for his wife, it's either a new car or a new wife. ~ Prince Philip

Wood burns faster when you have to cut and chop it yourself. ~ Harrison Ford

The best cure for Sea Sickness, is to sit under a tree.
~ Spike Milligan

Kill one man and you're a murderer, kill a million and you're a conqueror. ~ Jean Rostand

Having more money doesn't make you happier. I have 50 million dollars but I'm just as happy as when I had 48 million. ~ Arnold Schwarzenegger

We are here on earth to do good unto others. What the others are here for, I have no idea. ~ WH Auden

In hotel rooms, I worry. I can't be the only guy who sits on the furniture naked. ~ Jonathan Katz

If life were fair, Elvis would still be alive today and all the impersonators would be dead. ~ Johnny Carson

Hollywood must be the only place on earth where you can be fired by a man wearing a Hawaiian shirt and a baseball cap. ~ Steve Martin

Home cooking: Where many a man thinks his wife is.
~ Jimmy Durante

The first piece of luggage on the carousel never belongs to anyone. ~ George Roberts

If God had intended us to fly he would have made it easier to get to the airport. ~ Jonathan Winters

I have kleptomania. When it gets bad enough, I take something for it. ~ Robert Benchley

As I hurtled through space, one thought kept crossing my mind - every part of this rocket was supplied by the lowest bidder. ~ John Glenn

America is the only country where a significant proportion of the population believes that professional wrestling is real but the moon landing was faked. ~ David Letterman

I'm not a paranoid, deranged millionaire. Dammit, I'm a billionaire. ~ Howard Hughes

A man was blissfully driving along the highway, when he saw the Easter Bunny hopping across the middle of the road. He swerved to avoid hitting the Bunny, but unfortunately the rabbit jumped in front of his car and was hit. The basket of eggs went flying all over the place. Candy, too. Being a sensitive man as well as an animal lover, he pulled over to see what had become of the Bunny carrying the basket. Much to his dismay, the colorful Bunny was dead. The driver felt guilty and began to cry.

A woman driving down the same highway saw the man crying on the side of the road and pulled over. She stepped out of her car and asked what was wrong.

"I feel terrible," he explained, "I accidentally hit the Easter Bunny and killed it. There may not be an Easter for the children because of me. What should I do? "

The woman told the man not to worry. She knew exactly what to do. She went to her car trunk, and pulled out a spray can. She walked over to the limp, dead Bunny, and sprayed the entire contents of the can onto the little furry animal. Miraculously the Easter Bunny came to back life, jumped up, picked up the spilled eggs and candy, waved its paw at the two humans and hopped on down the road. Fifty yards away the Easter Bunny stopped, turned around, waved and hopped on down the road. Then in another 50 yards, he turned, waved hopped and did it again in another 50 yards!

The man was astonished. He said to the woman, "What in heaven's name was it that you sprayed on the Easter Bunny?"

The woman turned the can around so that the man could read the label. It said: "Hair spray. Restores life to dead hair. Adds permanent wave."

Need Help?

Amateurs have a long history of helping each other. An experienced amateur who helps another is traditionally called an "Elmer." If you have a question or problem, you are encouraged to ask one of SCCARA's Elmers. Below is a list of topics and who to contact for each. If your topic isn't listed, ask one of the Elmers under the topic that comes closest and we'll ask around.

If you consider yourself to be reasonably competent in at least one area of amateur radio and would be willing help others, please fill out an Elmer form (available from the club secretary or on our web site).

Topics:

Antennas, feed-lines, tuners: **NV6W, W6JPP, K6PBQ**

CW (Morse code): **NV6W, K6PBQ**

DX (long distance, propagation): **NV6W**

EchoLink: **K6GKB**

Emergency operating, preparedness: **WA6QYS**

HF operating techniques: **NV6W, K6PBQ**

Homebrew projects, construction: **WB6YRU**

Legal, FCC rules: **WB6YRU**

License testing, new amateurs: **W6JPP**

Lightning protection, grounding: **WB6YRU**

Packet Network (BBS, forwarding): **WB6YRU**

SCCARA (club inner workings): **K6PBQ, WB6YRU, WA6QYS**

Station set-up, equipment: **K6PBQ, W6JPP**

TVI, RFI: **WB6YRU**

Contacts for the above topics:

K6GKB, Goetz Brandt, 408-259-7287

e-mail: goetz@ix.netcom.com

NV6W, James D. Armstrong, Jr.,
evening & msg: 408-670-1680

W6JPP, John Parks
e-mail: w6jpp@arrl.net

K6PBQ, Don Village, 408-263-2789

WA6QYS, Lou Steirer, 408-241-7999
e-mail: wa6qys@arrl.net

WB6YRU, Gary Mitchell, 408-269-2924
packet: home BBS N0ARY
e-mail: wb6yru@ix.netcom.com

Newsletter Notes

What did you think of the explanation of the twin-T notch filter, was it clear enough?

Here's a challenge: can you come up with a design that would notch out everything *except* one frequency? Now, a crystal filter will do that, but it might be fun to try it by phase cancelling.

Or this challenge: a design that would phase-cancel out everything above some frequency, or below a frequency.

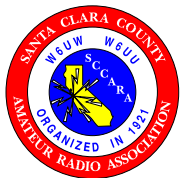
If you have an interesting design, it would be great to publish it here in the SCCARA-GRAM.



73, Gary WB6YRU



Happy Halloween!

**SCCARA**

Santa Clara County Amateur Radio Association
PO Box 106
SAN JOSE CA 95103-0106

**FIRST CLASS****ADDRESS SERVICE REQUESTED****SCCARA Membership for 2026**

If renewing and none of your info has changed, please only fill in your name and call

Name: _____ Call: _____ Class: _____

Address: _____ Licensed since (year): _____

City: _____ State: _____ Zip+4: _____

Telephone: _____ ☐ New Member ☐ Renewal ☐ I'm also an ARRL member

E-mail: _____

For delivery of the SCCARA-GRAM (pdf) and club announcements

Membership type and dues: ☐ **Individual, \$20** ☐ **Family, \$25** ☐ **Student, \$10 (under 18)**

☞ All memberships start January 1 and expire December 31. ☜

Family memberships (more than one member per household): please include the above info for each member, use separate forms.

New members:

Dues are prorated: dues x (11 - month) x 10% For example: July would be \$20 x (11-7) x 0.1 = \$8

If joining in November or December: normal dues for next year, the rest of this year is included free.

☐ **I want the paper newsletter delivered by U.S. Mail for an additional \$15 per year**
Prorated, \$1.25 per month. That's \$13.75 if starting in February, \$12.50 if starting in March, etc.)

\$ _____ **Total** enclosed

Give this completed form and payment to the Secretary or Treasurer at any meeting or mail to the club address.