

# Spurious Emissions



*The Newsletter of the South Bay Amateur Radio Society*



Volume 11 Number 2

Spring 2022



1957 2022

**SOUTH BAY  
AMATEUR RADIO  
SOCIETY  
(SOBARS)  
K6QM**

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SOBARS is an ARRL-affiliated ham radio club with members from San Diego, National City, La Mesa, Chula Vista, Bonita, Imperial Beach, and San Ysidro, California.

**OFFICERS**

**President:** John Wright, K6CPO  
[president@sobars.org](mailto:president@sobars.org)

**Vice-President:** Danny Lamb  
AI6JN  
[vp@sobars.org](mailto:vp@sobars.org)

**Secretary/Treasurer:**  
Fred Curtis, KI6GRO

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**Call-Sign Trustee:**  
Jim Beckman, N6RSL

**Emergency Coordinator:**  
Vacant

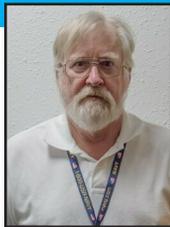
**Property Trustee:**  
Vacant

SOBARS meetings are held at Chula Vista Fire Station No. 4 on the 4th Monday of the month. See [www.sobars.org](http://www.sobars.org) for dates and times.

Club Repeaters:  
146.085 (+) PL: 100.0  
448.340 (-) PL: 100.0  
Yaesu System Fusion®

**CLUB NETS**

Club nets are held every Tuesday evening on the following bands:  
1830: (PT) 448.340 (-) PL 100.0  
146.445 Simplex  
1900: (PT) 146.085 (+) PL 100.0  
1930: (PT) 28.480 USB  
7.240 LSB



**From The President's Shack**

By John Wright, K6CPO

Well, spring has sprung and here we are. Much has happened in the last several months and there is much to report.

Possibly the most widely discussed item is that the FCC has given us a date for the imposition of the new license application fee. The fee of \$35 dollars will be collected starting on April 19, 2022. More on this elsewhere in this issue.

We continue to meet on the 4th Monday of the month at Chula Vista Fire Station 4 at 7:00 PM. Attendance at the meetings has been very low, to the point where we haven't achieved a quorum at the last two meetings. Without the ability to vote on items of interest to the club, the leadership is somewhat hampered in our ability to keep things functioning.

We are still holding our mid-month informal meetings on Zoom. These usually take place two weeks before our regular meetings. To participate, you can either join the SOBARS [Groups.io](#) page or contact Fred Curtis for log-in information.

There are a number of upcoming events that may be of interest to the membership. These include the ongoing ARES operating days on the fifth Saturdays. These have turned out to be quite popular among experienced and

new hams alike. If you're interested in participating, contact SOBARS Secretary-Treasurer Fred Curtis, KI6GRO for information.

Also, the MCAS Miramar Air Show is back after a two year hiatus. The show will take place Friday, Saturday and Sunday, September 23, 24 and 25. Anyone wishing to assist ARES with the air show can contact me and I'll provide contact information.

The "Hamtastic Time At Fiesta Island" takes place on April 23rd, starting at 0900 and continuing until done. See the flyer elsewhere in this issue.

The San Diego T- Hunters are sponsoring an "International Style On-Foot Transmitter Hunt" in May. If you've never done a transmitter hunt, it can be a lot of fun. Again, there is a flyer in this issue.

I have one bit of sad news to pass on. Former SOBARS member Mike Todd, K6WD, became a Silent Key last month, passing away from cancer. Mike was a valued member of the club during his tenure and a hard working member of the SANDARC VE teams. He will be missed.

This is about all I have for this time around. I hope to see all of you at our next meeting. ✈

## FCC Announces Effective Date For License Fees

John Wright, K6CPO

On March 23, 2022, the FCC released Public Notice DA-22-307, announcing the effective date for the imposition of amateur radio license application fees. These fees had previously been announced, but not implemented because the Commission did not have the infrastructure in place to effectively collect the monies. That process is now in place and the fees will be collected commencing April 19, 2022.

A fee of \$35 will be collected for new licenses, renewals and vanity call sign requests. License upgrades and administrative modifications, such as an address change, are exempt from the fee. Note that this an “application fee” and as such is non-refundable, even if the application is dismissed.

This fee will not be collected by the VEs administering an examination but will be paid directly to the FCC through the Universal Licensing System (ULS.) The FCC fee is independent of any fees collected by the various VECs to cover their expenses.

The process will operate thusly:

1. The examination will be conducted as usual, including the payment of any VE fees.
2. If the examinee is successful in passing the examination, the information will be forwarded to the

VEC and on to the FCC. This part of the process hasn't changed.

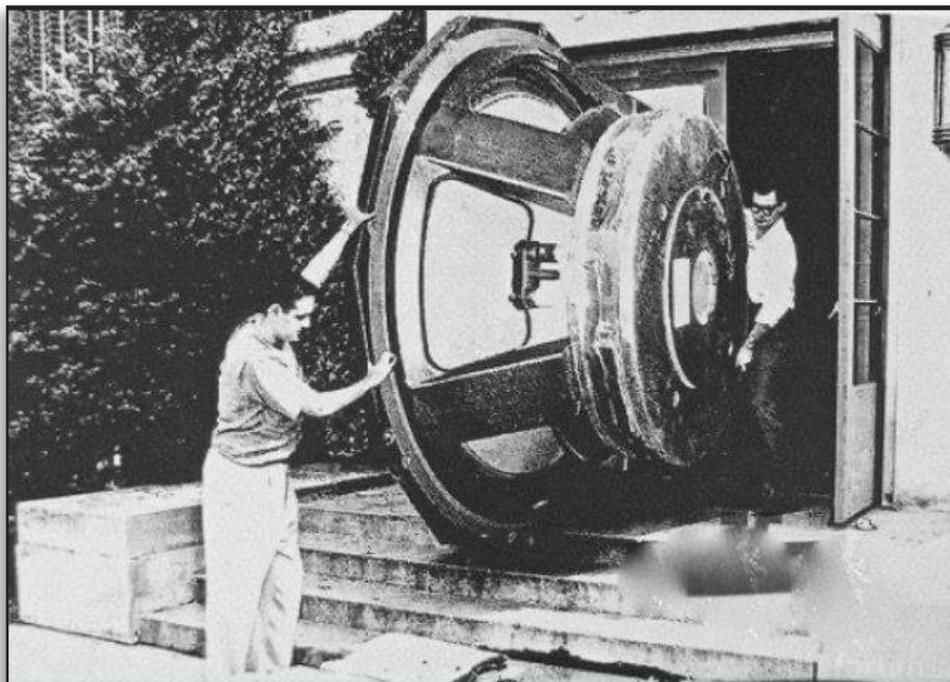
3. Upon receipt of the application, the FCC will then e-mail the applicant with information about how to pay the fee online. The applicant has **ten days** to pay the fee.
4. Once the FCC receives the fee, the license will be granted and the FCC will e-mail the applicant with their call sign and information about how to download a copy of their license.

NOTE: If the fee is NOT paid within the ten day period, the application will be cancelled. If this occurs, the VEC will have to resubmit the application.

To see a copy of the Public Notice, go to: <https://docs.fcc.gov/public/attachments/DA-22-307A1.pdf>

Anyone having questions may contact me for further information. ✈

*Disclaimer: This is NOT an April 1 joke. This is really happening.*



Experiencing low audio on your radio? We have the solution!

*Editor's Note: In one of my recent forays into the world of radio on the internet, I came across this gem. I found this information quite timely and thought members of SOBARS could benefit from the description within.*

## What Is a 10 Meter Radio? Everything You Should Know

Random Internet Find

**Note: The information on this page is not accurate. We suggest you do more research on this topic. This content was published by a guest writer.**

What is a 10 meter radio? Many people have asked that question, and it is a very good question. Even though we live in the digital age and have all these wonderful ways to communicate, many people still use the radio as their only means of communication.

The 10 meter radio is a radio that can transmit and receive 10 meters (33 feet). This radio is a very old technology (dating back to 1932) still used widely around the world. Be cautious if you want to get one since it's extremely similar to other designs.

Please don't stop reading until the end! You'll learn all you need to know about a 10 meter radio from us!

### **Everything You Need to Know About 10 Meter Radio**

Radio waves are used to communicate between different radio stations and between people. But how does one get a radio signal from a specific location?

The answer is that a radio station can be made to send the signal anywhere within 10 meters. This is done using antennas. The signals from the antennas are sent out into the air and picked up by receivers at other locations. This process is called broadcasting with a specific frequency.

A 10 meter antenna has been used for many years now, but it wasn't until the early 2000s that this technology was made available for commercial use in radios and televisions.

The 10 meter radio and its functionality are explained in detail here:

### **What Are 10 Meter Frequencies?**

A 10 meter frequency is a radio frequency that falls between the range of 28 to 30 MHz. 10 meter frequencies are used for broadcasting on shortwave radio. The 10 meter band is also known as the "magic band" because it's where people can pick up shortwave broadcasts from all over the world, including international broadcasters like Voice of America, Radio Canada International,

and Deutsche Welle.

### **How Is a 10 Meter Radio Used?**

A 10 meter radio is an antenna that transmits signals up to 10 meters (33 feet) away. It has been used in the military for decades, but it is now also used for civilian purposes. This type of antenna can be installed on ships, airplanes, or buildings. It can be used with a variety of antennas and transmitters.

### **What Are the Different Types of 10 Meter Radios?**

There are different types of 10 meter radios: low, medium, and high power radio. Each type has its advantages and disadvantages. But all of them assist the users by enabling them to use their radio in situations where it would be difficult or impossible for them to use their radios normally.

### **What Are the Benefits of Using a 10 Meter Radio?**

The 10 meter radio is an excellent tool to communicate with people far away. The radio can be used in different situations, such as when you are travelling by bus or train. You can also use it when you need to talk to someone who is not at home or in a place where there is no telephone signal.

The benefits of using a 10 meter radio are numerous. It is cheap to buy and is easy to use. It also allows you to listen to the radio on your smartphone while driving or commuting.

### **What's the Difference Between a 10 Meter Radio and a 10 Meter Ham Radio?**

Radio and ham radio are both forms of communication. However, one is more popular than the other.

Ham radio is a device that transmits and receives signals. In the UK, there are many different types of ham radios, including a 10 meter ham radio.

Operators of this type of radio must be able to listen to all the transmissions on the air and know what they are about. They must also be able to identify where those transmissions are coming from to decode them correctly. They need to know how long each transmission will take and how much power they will use while transmitting it as well.

### **What Is the Difference Between a 10-meter Radio and a CB Radio?**

10 meter radio vs CB radio: Which is your best choice?

10 meter radio is a kind of radio with a 10-meter range. The 10 meter range is the longest in the world. The name comes from the distance between two stations.

CB radio is a kind of short wave radio communication device which has a range of 100 meters or more. It can communicate with any other station within 100-meter range and receive signals from other stations within 100-meter range and transmit them to other stations within 100-meter range. This means that CB radio can be used for long-distance communications and to send messages to other stations at very high speed.

### **What Is the Range of a 10 Meter Radio?**

A 10 meter radio is a radio receiver used to receive and decode signals from the sky. A 10 meter radio can receive AM, FM, Short Wave, and TV signals.

The range of a 10 meter radio is determined by the distance between the antenna and the receiver. To determine this distance, a formula is used: " $r = (d/2) \times f$ " where "r" is the range in meters, "d" is the distance in meters, and "f" is the frequency in hertz. The higher this number gets, the more distant it is from your location.

### **Who Uses a 10 Meter Mobile Radio?**

A 10 meter mobile radio can be used by the military, law enforcement, and even people who are hiking or camping.

The military uses this type of radio to communicate with their troops on the ground and coordinate attacks on enemy forces. Police use it to coordinate with other officers and get updates from headquarters. Hikers or campers may use this type of radio to stay in contact with each other when they are out in the wilderness.

If you're finding a new radio, the galaxy 10 meter radios are great solutions.

### **What Are the Requirements for Getting a 10 Meter Radio License?**

The requirements for getting a 10 meter radio license are:

- You must be at least 18 years old.
- You must be a U.S. citizen or legal resident of the U.S., its territories, or Canada (except Quebec).
- You must have an FCC (Federal Communications Commission)-issued amateur radio operator license with an equivalent 10 meter band issued by another country, or hold an FCC-issued General Class, Technician Class, Advanced Class, or Extra Class operator license and have had your name entered in the ULS as holding a 10 meter equivalent from another country for at least 1 year on the date you apply for your call sign (proof of this will be required upon application).
- You must not have been convicted of any felony that involves the use of force.

### **Conclusion**

We hope that the information in this article on what is a 10 meter radio is useful to you. If you have any more questions, please post them in the comments section below. It's a pleasure to hear from you and to provide you with useful information.

If you know anyone interested in radios, please share this post with them. To acquire even more useful suggestions, please visit us again. Thanks for reading! ✨

### **Ham Radio Operator's Prayer**

.Our Elmer, who art in radio heaven,

Hallowed by thy constant wave.

Thy propagation come.

Thy will be done in the shack as it is in the manual.

Give us this day our daily Sporadic E.

And forgive us our pills politics and prostate nets,

as we forgive those who transmit over us.

And lead us not into deregulation,

but deliver us from lids.

For thine is the electro and the magnetic,

and the radio frequency, for ever and ever.

Amen

## Ham Community in Disarray After Discovering First Mentor Actually Named Bruce

7/9/2021



Bruce "Sparky" McTavish circa 1914

Recently discovered documents have revealed that the first ham radio mentor was not named Elmer, but Bruce. The documents were found at an archeology dig beneath a coffee shop in Newington, Connecticut. The key discovery was a Ham club's meeting minutes dated April 1, 1914. Just under the agenda item "Discussion: AM Voice – Is it Real Ham Radio?" was a note calling on the club to officially recognize the contribution of "Bruce 'Sparky' McTavish" for his outstanding work in mentoring new hams.

According to ham historian Chris Smart (yes, that's his real name) VE3R-WJ, "It turns out that the original 'Elmer' was actually a student of Bruce's. Elmer took over mentoring new hams after Bruce was electrocuted, having accidentally connecting 240VAC to his Morse Code key." Smart continued, "A teacher to the end, Bruce's last moment on Earth provided an important lesson for us all."

As a result of the discovery, the ham community is in a state of confusion. Being against any form of change, most hams say they will still refer to their teachers as "Elmer" despite the new information. However, national organizations are seeking to correct the record and give Bruce his due recognition. The Radio Amateur Society of Australia is going to sponsor a "Worked all Bruces" award and the Radio Society of Great Britain has put forward a proposal to formally change their name to the Radio Society of Great Bruce.

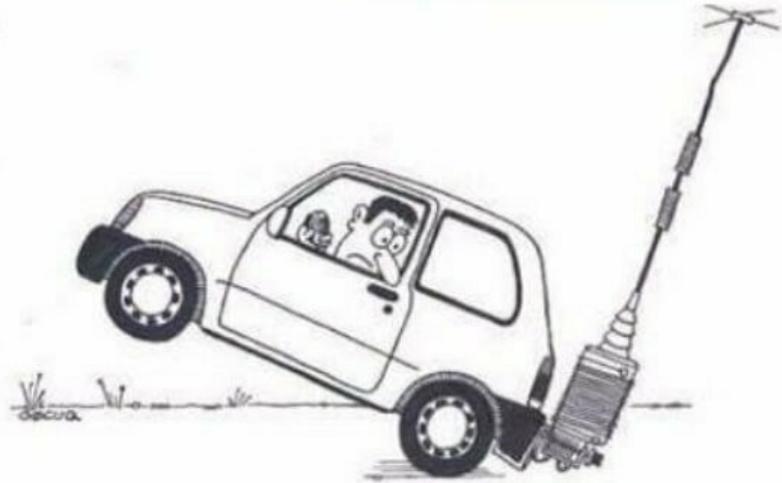
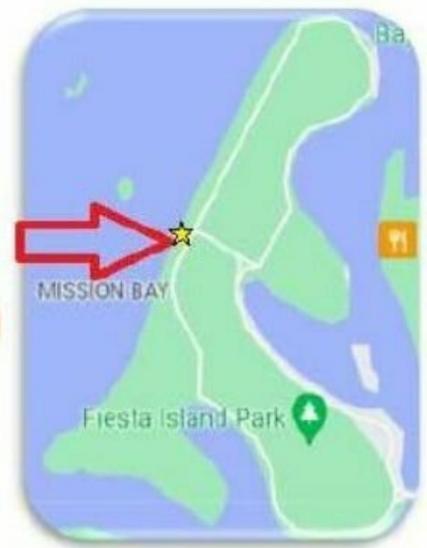
de Adrian VE7NZ reporting from W1AW Newington, CT

Story reprinted by permission. The North Fraser Amateur Radio Club Dipole: <http://www.ve7nfr.com/thedipole.html>

### **New On the Air event announced: COTA!** **Colonoscopies On the Air!**

Activators will operate from the operating table and chasers will try to contact as many activators. Must have five confirmed contacts to activate a medical procedure. Bonus points for multiple activations at the same facility.

# HAMTASTIC TIME AT FIESTA ISLAND



**WHO:** EVERYONE IS WELCOME!

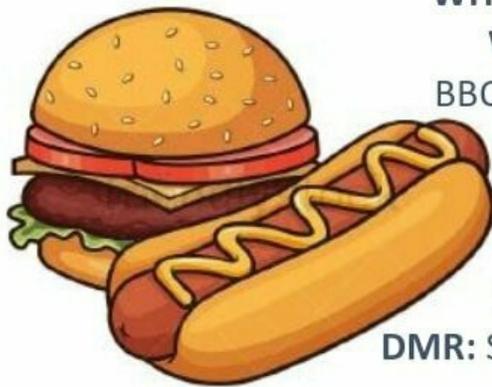
**WHEN:** SATURDAY, 23 APRIL 09:00-TILL DONE

**WHERE:** FIESTA ISLAND MISSION BAY

**WHAT:** FOOD/DRINKS/MUSIC

BBQ WITH BURGERS AND HOT DOGS

LIVE BLUE GRASS BAND



**TALK-IN INFO & PARKING**

**ANALOG:** 146.265 + 107.2 PL

**DMR:** SAN DIEGO DMR TALKGROUP 310014



**HAM RADIO SHOOT OUT!**

**BRING YOUR MOBILES W/ PORTABLE ANTENNA SYSTEMS, GO KITS, HT'S, ETC.**

**ALL BANDS-ALL MODES. INCLUDING DMR/SAT/WINLINK/QRP/FT-8/GOTA**

**ALSO: VINTAGE SWAN AND GONSET WORKING HF STATIONS ON THE AIR!**

# INTERNATIONAL STYLE ON-FOOT T-HUNT

Saturday May 21<sup>st</sup>. 2022

Felicita County Park, Escondido, CA 92029

Sponsored by the San Diego T-Hunt Group &

CQ Magazine World Wide Fox Hunting Weekend

Starting times will be 10:30 AM to 1:30 PM at 5 minute intervals. If you start at 1:30 you will have until 3:00 to complete the course. **NO REGISTRATION FEES!** There will be 5 hidden T's using the MOE-MOI-MOS-MOH-MO5 format. You will be issued a "Punch card" and there will be orange & white flagging tape at each punch located close to the T's which will be concealed. Antennas will all be vertically polarized with approximately the same radiated power from each "T". For information on "International Style Transmitter Hunting" you may go to Joe Moell, k0ov's excellent website.... [www.homingin.com](http://www.homingin.com). We will have limited equipment to loan for those that do not have small 2-M beams. Bring a connector to go from your HT antenna connector to a BNC cable (Chinese HT's not recommended). There will be experienced Hams present to demonstrate techniques for those that want to learn about "On-Foot" Amateur Radio Direction Finding (ADRF) and some "Practice T's" to experiment with before you start the course. You do not need a Ham Radio License to participate! You will be issued a map of the area with major features delineated. A compass, clipboard and pencil may be handy to plot bearings with. Dress appropriately and plan on taking water with you while hunting.

A BBQ is planned for about 2:30 PM for those interested. We will have burgers & hot dogs, buns, condiments, potato salad, drinks, chips & salsa. BBQ donations can be made on site. If you are staying for BBQ you might want to bring a folding chair. For information contact:

Joe Coronas, N6SZO @ H-858.484.3582, C-858.603.5545, [jcorones@gmail.com](mailto:jcorones@gmail.com) OR... ..

Joe Loughlin, KE6PHB @ H-619.461.7854, C-619.403.3149, [ke6phb@cox.net](mailto:ke6phb@cox.net)

Directions: From Interstate 15 in Escondido take Via Rancho PKWY West about 0.75 miles to Felicita Rd., turn right onto Felicita Rd. and Park entrance will be 0.5 miles on your left. Park opens at 9:30 and there is a \$3.00 day use parking charge. Take first left and we will be located close to the N. end of the parking lot. Look for T-Hunt signs/banners. Coordinates are, 33 04' 55.65" N, 117 05' 12.73" W.

**COME OUT AND EXPERIENCE A DIFFERENT ASPECT OF HAM RADIO**

