

**The Central Texas Amateur Radio Club
meets the first Tuesday of each month at 7:00 PM at the
Bell County Communications Center, 708 West Avenue O, in Belton**

Terry's Telegram...

Terry Evans, KF5OHR

Here lately at work, I've been trying for the past few days to rent three big diesel generator sets and I think I now have that taken care of. We have some special testing coming up in late August or September, so I'm trying to get all of the wheels turning on that. So now I have three 2mw units lined up and a 5mw load bank to back feed into.

What really gets me, each unit will burn 186 gallons of fuel per hour and it looks like we will be running them for 12 hours a day, for about 4 to 5 days of testing. So if you put a pencil to it, they will burn a lot of fuel. Last year when Caterpillar sent all of those big generator sets to the Philippines, they must have gone through some fuel. If a 2mw unit burns 186 gallons per hour and they run 24/7, and they sent 20 units there. WOW! That adds up!

Northwest Copperas Cove has sure taken a beating with the last few storms that have moved through the area. That particular Tuesday night was one heck of a light show. About two in the morning, I got up and sat and watched out the window for about 30 minutes at all of the lightning and thunder going on. There was just no point in trying to sleep with God trying to get a 10 - 2 split.

I think the last few meetings we've had have gone well and all the new people have been showing up, that does look good. Hope we can keep that up and maybe grow some. A huge Thanks! to all the new members who have stepped up and joined the club recently. You are appreciated and your membership with the club will only contribute to the good of your fellow radio amateurs through the sharing of your ideas and experiences.

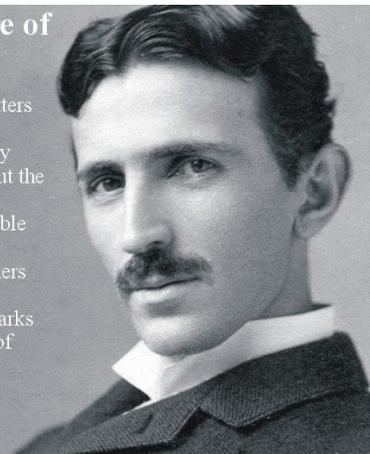
If I don't see you between now and then, have a safe and fun holiday weekend and enjoy the fireworks your community will have to offer. That's all from me for now. Hope to see you at our next club meeting which will be on Tuesday, July 2nd, at 7:00 PM at the Bell County Communications Center.

73, Terry - KF5OHR

Tesla on the future of Amateur Radio

"In the future, radio transmitters and receivers will become miniaturised to the extent they may be carried around without the need of a horse and cart. They will become truly portable while still allowing communications between others all over the planet. They will be taken out into parks and fields. Truly, the future of radio is Field Radio."

Nikola Tesla. 1925





"The National Broadcasting Company brings you Brian Donlevy in another two-fisted portrayal as Steve Mitchell, in... *Dangerous Assignment!*"



Dangerous Assignment was an NBC radio drama first broadcast on July 9th, 1949 and aired until July 8th, 1953.

Each show would always open with "The Commissioner" the regional head of an unnamed U.S. State Department agency created to address international unrest as it affected U.S. interests, would give background information, explain the current situation and tell Steve his assignment. Steve's cover identity, in almost all his adventures, was that of a suave debonair foreign correspondent for an unnamed print publication.

From there, Steve would be off to some exotic locales all over the world, where he would encounter adventure and international intrigue in pursuit of some secret. His assignments invariably involved deceit, trickery, and violence, all tied together into a successful resolution by the end of the episode.

Dangerous Assignment plays it straight, with some excellent downbeat intelligence, and quite a bit of just going along with the action. The plots are sometimes hard to believe, but the stories move quickly with twists and turns. You can venture along with Steve Mitchell again by visiting:

<https://archive.org/details/DangerousAssignment90Episodes>



The Central Texas Amateur Radio Net meets every Thursday at 8:00 PM on the W5AMK repeater, on 146.960(-) PL 123.0 Join Us!

July NCS & Back-Up NCS Schedule

July 4th: Net Control: KE5ISN Back-Up: AD5SK	July 11th: K6WXA KD5FJF
July 18th: Net Control: KD5FJF Back-Up: KF5OHR	July 25th: KF5OHR K6WXA



New General Class Question Pool

The National Conference of Volunteer Examiner Coordinators, has released the 2019 - 2023 Element 3 question pool which becomes effective for all General Class examinations administered on or after July 1st, 2019, and remains valid until June 30th, 2023. It can be found at: <http://www.ncvec.org/downloads/2019-2023GeneralClassQuestionPool.pdf>



The Belton 4th of July Parade will be held on Thursday, July 4th, and volunteers are needed to assist with the line-up of 300+ entries and to direct them on to the parade route.

Communications will be through the W5AMK repeater in Belton, which is on 147.300(+) PL 123. Be sure to bring an HT and a yellow traffic type vest. The parade will start at 10:00 AM and should end about noon.

If you'd like to assist with this event, please contact Joe Mayer - N5JWM, at: jwm111@msn.com



Coryell County Joint Comm Group Meeting

The next meeting of the Coryell County Joint Comm Group will be on Thursday, July 11th, at 2:00 PM at the Lil Tex Restaurant, 502 South Main Street, in Copperas Cove.

This will be a "No-Host" meeting as the County's EMC will not be able to attend.



IARU HF World Championships

Contest period runs from 1200 UTC, July 13th to 1200 UTC, July 14th on 160, 80, 40, 20, 15 and 10 meters. More info: <http://www.arrl.org/iaru-hf-championship>



World Scout Jamboree

The 24th World Scout Jamboree will be held at the Summit Bechtel Reserve, in West Virginia, July 22nd through August 2nd as **NA1WJ**. They also plan to have a second station operating as **W8J**. See their QRZ.com listing for QSL routes.

More information is available at: <https://k2bsa.net/world-jamboree-na1wj/>

Gatesville Activity

A group of folks in the Gatesville area are kicking around the idea of starting an Amateur Radio Club in the city, with the possibility of putting up a UHF repeater.

Those with interest should contact David Ashley - KI5AJF via email at: d.ashley61@yahoo.com



Oops!

This past May 16th, Willie McClendon was at the mic doing the morning show at station WNOO - Chattanooga, when suddenly there was what sounded like a loud explosion, that shook the studio building.



City officials working nearby, had accidentally clipped one of the guy wires to the station's 205-foot tower, causing it to come crashing to the ground. Luckily no one was hurt in the incident.

Remote Broadcasting, 1938

Rural Radio - July, 1938



Doing remote broadcasts years ago wasn't a problem for WFAA - Dallas, as shown by this photo of newsman Earl Kalusche, wearing the station's pack transmitter.



A group will be active as **R63RRC** from Popigay-Ary Island, July 24 - 28. QSL via R7AA.

A group will be active as **5C9A** from Los Farallones Island, Morocco, July 25 - 30. QSL via I8LWL.

A group will be active as **9A2L** from Susac Island, Croatia, July 27 - 28. QSL via 9A3DF.

MMØGOR will be active as **MM1E** from Great Cumbrae Island, July 27 - 28. QSL via his home call or LotW.

A group will be active as **DX9EVM** from Mindanao Island, Philippines, July 27 - 28. QSL via DU9CA.

ZL3GA will be active as **YJØGA** from Efate Island, July 21 - August 3. QSL via his home callsign, or LotW.

ON6QR will be active on Wight Island July 27 - 28. QSL via his home callsign.

A group will be active as **VX2A11** on Grosse Iles, Iles de la madeleine, July 23 - 30. QSL via VE2STN.

Special Event Station **IIØKT** is active until August 31. QSL via IØKQB.

A group will be active as **TM5S** from Sein Island, July 27 - 28. QSL via F5MFV, or eQSL.

G3WVG will be active as **MN5A** from Rathlin Island, July 27 - 28. QSL via LotW.

W6NV will be active signing **stroke FO** from Tahiti Island, 19 - 21 July. A week later, he will be active as **TX2A** from Raivavae Island, 27 - 28 July. QSL via his home call or LotW.

DL2GAC will be active as **H44MS** from Malaita Island, July 5 - 20. QSL via his home call.

VE7ACN will be active as **VA7XW/VE2** from Ile Quarry, July 25 - Aug. 1. QSL via his home call or LotW.

Special Event Station **HS1ØKING** is active from Thailand until July 31st. QSL via Radio Amateur Society of Thailand, G.P.O. Box 2008, Bangkok 10501, Thailand.

IKØPUL will be active as **9H3IK** from Malta, July 5 - 12. QSL via his home call.

A group will be active as **JA6WJL** from Fukue Island, July 26 - 29. QSL via JA6WJL or LotW.

A group will be active as **GM7V** from Benbecula Island, July 27 - 28. QSL via N3SL.

A group will be active as **LM45ØC** from Utsira Island, July 27 - 28. QSL via LotW or via LA4C.

IV3UHL will be active from Marinetta Island, July 27 - 28. QSL via his home call.

KØFFY will be active signing **stroke TF** in Iceland, July 13 - 19. QSL via his home call.

IH9YMC will be active from Pantelleria Island, July 27 - 28. QSL via eQSL.

MWØDHF will be active from Holy Island, July 27 - 28. QSL via his home callsign.

UAØLCZ will be active from Popov Island as **R66IOTA**, July 23 - 31. QSL via his home call.

EP3CQ is active as **6Ø1ØØ** in Mogadishu until the end of July. QSL via his call.

SP9FIH will be active as **E44WE** from Bethlehem, July 6 - August 6. QSL via his home callsign.

W2IY will be active from Mount Desert Island (Maine) July 27 - 28. QSL via his home callsign.

W5JON will be active as **V47JA** from St. Kitts Island, July 20 - August 11. QSL via his home call or via LotW.

W2GD will be active as **P44W** from Aruba, 11 - 16 July. QSL via N2MM.

How's DX? *Continued...*

3W3B is active as **XW4XR** from Laos, until 7 July. QSL via E21EIC, or LotW.

Z32ZM will be active as **Z68MA** from Kosovo, July 1 - 30. QSL via his home call.

DG5LAC will be active from Hooge Island, July 27 - 28. QSL via his home call, LotW, or eQSL.

OM2TW will be active signing **stroke ISØ** from Sardinia Island, July 21 - August 3. QSL via OM2FY.

Special Event Station **ZB2IG19** will be active from Gibraltar, July 1 - 31. QSL via ZB2BU.

AD8J is active signing **stroke HR9** from Honduras, until July 6. QSL via his home call or LotW.

JE1JKL will be active as **9M6NA** from Malaysia, 7 - 16 July. QSL via LotW.

WJ2O will be active signing **stroke MD** from the Isle of Man, 11 - 17 July. QSL via N2ZN.

3D2AG is active as **T2AR** from Funafuti Atoll, Tuvalu, until July 4. QSL via his home call.

PA2JJB will be active as **PA6TXL** from Texel Island, July 18 - October 8. QSL via his home call.

A group will be active as **MJØICD** from Jersey, July 21 - 29. QSL via OK1BIL.

A group will be active as **M8C** from St. Mary's Island, July 24 - 30. QSL via LotW.

A group will be active as **JA6WJL** from Fukue Island, Japan, July 26 - 29. QSL via LotW.

SMØHPL is active as **5X7W** from Uganda until 6 July. QSL via his home call or via LotW.

YI1DZ is active as **Z81D** from South Sudan until July 15. QSL via OM3JW.



WRC-23 Agenda Concerns

The International Amateur Radio Union notes that there are proposals under discussion in Europe as possible future Agenda Items at WRC 2023, which potentially could impact important amateur radio frequencies.

A proposal from France has been put forward to consider the band 144-146 MHz as a primary allocation to the Aeronautical Mobile Service, as part of a broader consideration of the spectrum allocated to that service. These frequencies are allocated globally to the amateur radio service on a primary basis. As such, it is an important and widely used part of the amateur spectrum with a vast installed base of users and stations.

The IARU views with grave concern any proposal to include this band in the proposed study. It will be representing this view energetically to seek assurances that the spectrum will remain a primary allocation for the amateur service.

The IARU asks its Member Societies to draw this information to the attention of their members, and to refrain at this time, from making speculative public comments about the situation until further progress has been made in regulatory discussions.

Why doesn't the ARRL do something? The ARRL can't do anything for now, besides monitor the issue. For now, there is no need to panic.

"Amateur Radio is not a plaything or a sport. It is a useful, mind-ennobling art. It vanquishes distances, it saves lives and it will be as necessary as the telephone ten years hence."

Radio News - July, 1919

RADIOTORIAL



It's time for a little “Show & Tell”

Fred Jacobs, President - Jacobs Media Strategies

Increasingly, media brands are expanding their reach into the multi-platform space - and radio is no exception. But while most companies go out of their way to promote new platforms and outlets, radio has been hesitant to play the "Show & Tell" game. Radio needs to step up its self-promotion of multi-media platforms as the audience continues to fragment.

We've got to do a better job telling our story. That usually means convincing others of radio's continued viability in the media marketplace – that radio continues to be a viable tool, locally and nationally.

The hard truth is that the radio industry has not done a good job telling our story and establishing our worth. We've allowed outsiders to brand us as old-fashioned, ineffective, and dying. We need to reclaim our reputation as the number one reach medium.



Is it that radio does a poor job telling its “content and distribution story?” Or is it that radio would rather not encourage listeners to tune in its streams, podcasts, and other media?

Few radio operators seem to be putting any emphasis on digital “show & tell” campaigns, ostensibly because they'd rather have tune-in take place on their broadcast frequencies – not their digital outlets. The fact that so many radio stations are now on multiple outlets is a strength, not something to downplay.

The New York Times and *Wall Street Journal*, NPR, cable news channels, the BBC, and so many others, are leveraging their brand reputations to expand their reach, their influence, and ultimately, their profitability. And this isn't an option – it's an imperative.

You grow by improving your product offerings and expanding your distribution outlets. If radio operators think they can rest on their 92% laurels, they're sadly mistaken.

When critics assail radio for being “old school” at best, and passé at worst, they're thinking of boom boxes, Walkmans, and other dated imagery, part of an era gone by. Today's radio may be rooted in frequency, but the listening options and content expansion are moving along faster than ever before.

So, it's time for a little “Show & Tell,” that game we all learned to play so well as children – taking our story to an interested group, boiling it down, making it entertaining, and hoping everyone will want to take part.



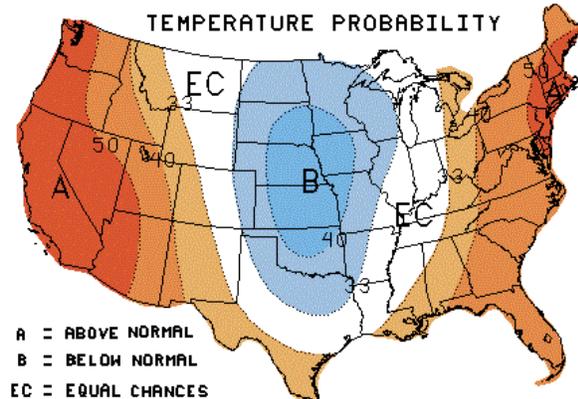
Summer Forecast Outlook

NOAA's Climate Prediction Center reports that there is a continued presence of El Niño with above-average sea surface temperatures across most of the equatorial Pacific Ocean. Overall, there is a 66% chance that this El Niño event will persist through the Northern Hemisphere summer of 2019, with lower odds of a 50 - 55% chance of it continuing through this fall and winter.

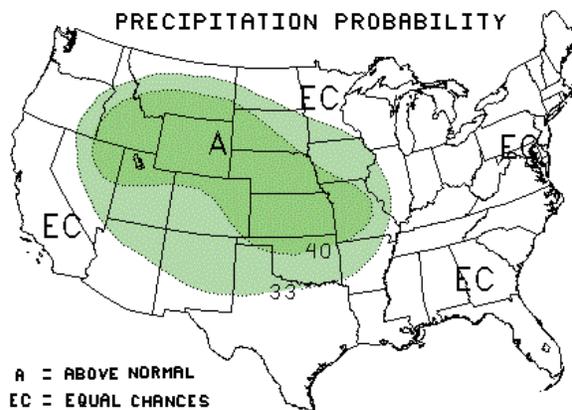
Summer's temperatures will be hot in the East and West, and relatively cool in the Plains and Midwest. Forecast guidance favors the contrast in relatively cool versus warm temperatures from the nation's midsection to the East Coast in the months spanning June through August. It also indicates that the Pacific Northwest has the highest odds of above-average temperatures along the West Coast.

July is typically the hottest month of the year for many parts of the United States, including the Northeast, where above-average temperatures are forecast in this summer outlook. The Pacific Northwest warmth is expected to expand farther southward to include parts of western Nevada and Northern California.

Below-average temperatures are favored to grow across a larger swath of the northern and central Plains and upper



Midwest with August bringing heat and humidity to much of the East Coast. Meanwhile, the relatively cool summer trend may continue in the Plains and Midwest. Overall, the summer will welcome more 90-degree-and-above days than last year's, when frequent precipitation held back daytime high temperatures.



After Texas missed out on the heavy rainfall targeting the southern Plains last summer, Mother Nature will flip the script this year.

The warmth will promote a less - stable atmosphere, meaning a few severe weather events are possible. Eastern areas of the region will be targeted with significant precipitation throughout the summer, including severe thunderstorms in July.

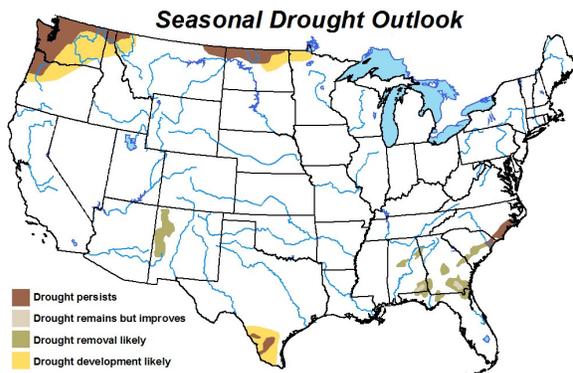
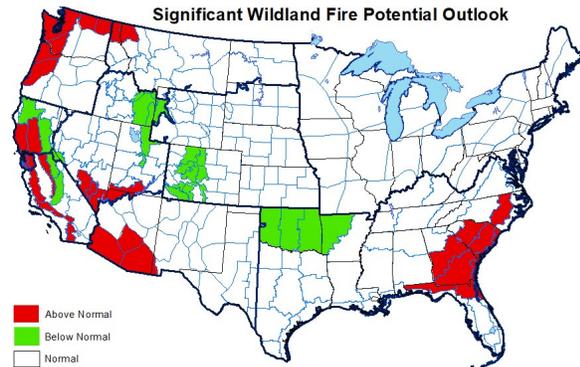
Severe storms may also target Kansas and parts of Oklahoma this season with the threat lingering longer than usual. After that, it will depend on how frequently the storms come.

Wildfire activity generally increases July and August as the peak of the fire season approaches. Between August and September the fire potential and resulting activity should approach Normal conditions in most areas except where significant large fire potential is expected due to fuel loading and preexisting dry conditions. A traditional winding down of the fire season is expected in Mid-September as fall moisture begins to arrive.

Periods of Above Normal potential may develop over parts of the region later this summer into the fall season if warmer and drier trends develop. Some drier areas, along with the drier and warmer forecast for the summer, will likely produce periods of elevated fire risk as well as above average fire danger.

The warmer and drier weather expected across the south should be expected to

create a higher threat ignition and fire threat environment and without a tropical rain producing event or event(s), areas of the southeast will experience Above Normal fire potential.



Drought coverage remains extremely low nationwide, though it increased slightly since the last Seasonal Drought Outlook. Moderate drought also expanded into a larger portion of the Southeast, but heavy mid-month rainfall took some of these areas back out of drought. New regions of moderate drought were introduced in a few spots in southern Texas, but a vast majority of the contiguous U.S. remained drought-free.

In fact, increased precipitation improved conditions in northern Wyoming and the Four Corners States, with drought now restricted to a stripe along the western New Mexico border.

Across the rest of the nation, most of the drought areas across the nation are moderate in severity. Severe drought is restricted to isolated patches in southern Alabama and Georgia, the Northwest and part of northern North Dakota.

By the end of September, drought coverage should still be limited, but many current areas are expected to persist or expand. Drought coverage is expected to increase in the Northwest, the northern Plains, south Texas, and Puerto Rico. Furthermore, conditions should remain unchanged at best along parts of the central Carolina Coastline. Drought removal is forecast for most other parts of the Southeast by the end of September, and the Four Corners States should be cleared of drought as well.

These drought areas, along with the drier and warmer forecast over summer will likely keep and produce periods of elevated fire risk as well as above average fire danger, a threat over summer.



YL NEWS and VIEWS

Ida Cogswell Bailey Allen *"The Original Domestic Goddess"*

Ida Cogswell Bailey Allen once popularly known as "The Nation's Homemaker", and described as "The original domestic goddess" was the author of more than 50 cookbooks, the first of which, was in 1916.

In 1924 Allen was food editor of the Sunday *New York American*. By 1928 she was hosting a regular daytime radio show, the "National Radio Homemakers Club" which was aired over CBS. Members could get a membership card and could sign up for her newsletter. By 1930 it was airing 5 days a week, and its topics included quilting, book repairing, Christmas cookies, washing woolens, fashion decorating, and a recipe for fried chicken and waffles. She not only performed on the show, she also produced and sold her own advertising; she was a pioneer in selling spot advertising rather than having a single company sponsor a show.

She not only performed on the show, she also produced and sold her own advertising; she became a pioneer in selling spot advertising rather than having a single company sponsor a show.

Her radio program ended in 1932 when she made a very early jump to television on "Mrs. Allen and the Chef" where she became television's first female food host. In that same year, she wrote a promotional book for Coca-Cola, *When You Entertain*, which was so popular 375,000 copies were sold in under six months.

The program does not appear to have lasted, but Ms. Allen's career did. She went on as an editor of *Good Housekeeping*, and numerous other publications. In the 1930s she had a new role speaking about food conservation and rationing under Hoover.



She spoke to citizens groups and with defense councils about waste and the use of then non-traditional foods like soybeans. During World War II, Allen's talents were drafted by the US Food Administrator as lecturer. She was even writing for the *Post-Star Newspaper* as late as 1949.

She is one of the claimants to the first radio cooking show. In her 1952 book she wrote: "It was my privileged to inaugurate and maintain the first radio homemaking school which presented a radio kitchen with real cooking of foods, broadcast over a major network."

She passed away on July 16, 1973, at the age of 88 in Norwalk, Connecticut.



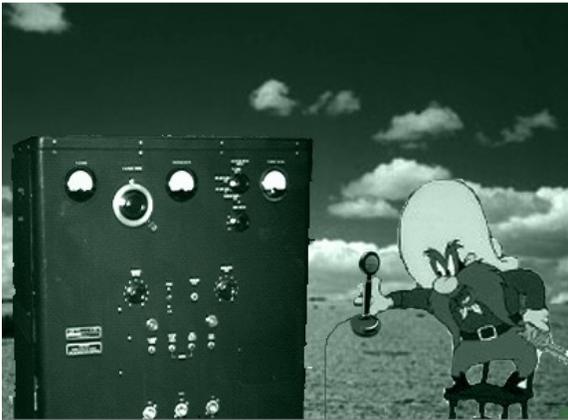
On the Short Waves



"Yosemite Sam"

Yosemite Sam is the nickname given to a mysterious shortwave radio station that first surfaced on December 19, 2004. The station transmits on several frequencies including 3700 kHz, 4300 kHz, 6500 kHz, and 10500 kHz in dual side band. The nickname is taken from the Looney Tunes character Yosemite Sam, whose voice is played as part of the stations unusual transmissions.

The transmission begins on one of the frequencies. Ten seconds later, it is repeated on the next higher frequency, and so on for a total of two minutes. The entire pattern takes precisely two minutes, and always begins seven seconds after the top of an hour. Each transmission starts with a data burst lasting 0.8 seconds, followed by the voice of Yosemite Sam exclaiming: "*Varmint, I'm a-gonna b-b-b-bloooow yah t' smithereenies!*" The sound clip is taken from the 1949 cartoon *Bunker Hill Bunny*.



Reception reports seem to indicate that the transmitter site is likely in the desert near Albuquerque, New Mexico. The Albuquerque location suggests another relation to Looney Tunes: the phrase frequently repeated by Bugs Bunny, "I knew I should have taken that left turn at Albuquerque."

On February 16, 2005, two amateur radio operators, Mike Stark-WA5OIP and Mike Langner-K5MGR, using direction finding techniques, discovered that the 3700 kHz

signal was being transmitted from a compound containing two buildings, towers and antennas and were able to confirm that they had found the source of the transmissions.

The compound was that of the Mobility Assessment Test and Integration Center facility on the Laguna Indian Reservation, in New Mexico. This is a contract military facility used to develop advanced battlefield communications systems and not generally known to the public. As the two amateur radio operators were outside of the site, they were approached by security guards and chased off.

Will we ever find the purpose of the strange signal? Maybe not. Was the whole thing a few tech guys having some fun with a transmitter, or were these strange transmissions a test of some government communications system in development? We may never know. Either way, using an Amateur Band frequency resulted in some unwanted attention and publicity that I am sure they did not appreciate.

A recording of one of the *Yosemite Sam* transmissions from the MATIC facility can be heard at: <http://www.spynumbers.com/ys.wav>

BROADCAST TOPIX

Listeners Eat to the Beat With KJZZ

Part radio studio, part kitchen, station KJZZ's *Soundbite* truck is a 40-foot custom vehicle, based in Phoenix, combining a radio broadcast studio and control room, an industrial-grade kitchen and — oh, by the way — a drop-down performance stage. It's the only known mobile radio broadcast studio in the U.S. that's also a food truck with a performance stage.

The idea for the truck came from a desire for the station to have a larger presence in the community, and with the Phoenix metro area being a big place with a diverse community, one of the best bridges between people and cultures is food and music. That was the genesis.

The custom vehicle, built by Apex Specialty Vehicles, a food truck fabricator, provides KJZZ with a kitchen, which occupies the rear third of the truck, offering signature hot dogs and doughnuts. The rest of the truck houses a radio studio, with a control room that is acoustically isolated from the studio, plus a large picture window that looks out onto the stage.

With their internal Ethernet network with a switch and router, they have internet access for reporting, and it also provides a connection linking back to the station. Interviews are typically recorded to a laptop running and editing is done afterward.

For live streaming or broadcast, they can send the audio back over a machine-to-machine 4G wireless connection that uses

multiple SIM cards. Plus they can handle the audio however they like — record it, put it on the air or put it to a live stream directly from the truck.

The truck also has an implement between the inside and exterior of the truck, so they can take audio inside the truck, like an interview, and put it outside on the P.A. or if there's music on the stage running through a Midas mixer, they can broadcast it, record it, or send it back to the station.

You would think with limited internal space available, that wiring wouldn't be all that complicated. The cable trough between the onboard console and the studio rack is about 15 feet, yet, it carries 2,680 feet of wire.

A recent event offered an opportunity to showcase the truck's abilities: during the "Six Hours in the Papago" mountain bike relay race. They displayed live race results on their external screens, announcing the race from the stage, and serving food from the truck, all at the same time.

Food and music really are a bridge, says their program director, who hopes that the *Soundbite* truck will spark the imagination of other broadcasters.

