
SIGNALS

Rockwell
Collins **Amateur Radio Club**

Monthly Newsletter of the

Volume 30 Issue 4

Web Site <http://www.w5rok.us>

January 2009

RCARC
Membership Meeting
 Thursday, 22 January 2009
 1700 Social 1730 Meeting
 Rockwell Collins Building 462
 Dallas Conference Room

Subject: "Art Collins, The Collins Radio Company and The ARC Series of Radios," by Loney Duncan W0GZV

on 35th St.), and set up everything I would need to operate on 80 CW.

The station at W0CXX has quite a few operating positions. There is a complete KWM-2 (and 30L-1 amp) position with the console that allows split operation and an S-Line receiver. There are also 1 KWM-380 and 1 HF 380 and some older equipment.

But the rig I was able to operate was a most excellent Ten Tec Orion II (that's a \$4500 radio if you did not know). Fantastic CW rig with great sensitivity and selectivity as well as the legendary Ten Tec full-breakin (QSK) that I really love (my own rig is a Ten Tec, although a lowly Jupiter).



The antenna was a 75 meter dipole. Bill told me that one end was up at 100 ft. and he thought the other end was about 60 ft. It was, however, a 75 meter antenna, not 80 meter. However, the Ten Tec Orion built-in tuner is able to match a much wider range of antennas than most rigs can, so it worked beautifully. They also had an Alpha 87A 1500 watt amp. The Alpha 87A will not work with any of the Collins equipment because it requires that the exciter have an absolute control of the RF power. However, the antenna SWR was too high to use it, so I operated "barefoot" (100 watts) with the Ten Tec.

I can only say that performance of that rig and the antenna was outstanding. I was able to keep all my important schedules, including check-in to the Pacific Area Net (Oregon NCS station), Central Area Net, and I even heard the Eastern Area Net liaison station quite clearly from New England. I was also able to actually be NCS of the TEX CW net on the 10 PM (Cont. on page 5)

Local Club News

Meeting Notice At this month's meeting Loney Duncan, W0GZV, will talk about what is undisputedly the most technically advanced HF airborne radio of WW-2. This radio, more than any other, propelled the early growth of the 160 person company that designed it, toward the avionics giant that it is today. Loney was employed by the Collins Radio Company and Rockwell International for almost 41 years. He spent half of his career in engineering and engineering management to the division director level, developing HF and VLF systems and high power transmitters. He spent the other half on the Rockwell Corporate Engineering Staff in the development and acquisition of advanced electronic processes and computer aided design techniques for all of Rockwell's electronic businesses. He retired as corporate staff VP of Electronics Processes and Technologies ten years ago

Club Meeting Talk-In Each month, on the night of the membership meeting we have a Talk-In on the club repeater. The Talk-In is from 1645 to 1730 hours, prior to the meeting.

My Time at W0CXX. by Steve Phillips K6JT I was doing some work in Cedar Rapids the first week of December. Naturally, I hoped to be able to get on the air to keep some of my CW Transcontinental Corps schedules (and also the TEX net, of which I am manager).

I E-mailed Gregg Lind and Tom Vinson about access to our sister club station. They forwarded my mail to other club members. Many thanks to Bill Caldwell (N0LNO) and Tom Heifner (WE0F) who contacted me, showed me the shack (located in Main Plant

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VE SESSIONS

Dallas tests are held 4th Sat of each month at 10:00. 13350 Floyd Rd. (Old Credit Union) Contact Bob West, WA8YCD (972) 917-6362

Irving tests are held 3rd Sat. of each month at 09:00. 5th and Main St. Contact Bill Revis, KF5BL 252-8015

McKinney VE test sessions are held at the Heard Museum the first Sunday of the month. The address is 1 Nature Place, McKinney TX. The time of the testing is 14:30, ending no later than 16:45. **Note: no tests given on holiday weekends.**

Garland testing is held on the fourth Thursday of each month, excluding November, and begins at 1930 sharp. Location is Freeman Heights Baptist Church, 1120 N Garland Ave, Garland (between W Walnut and Buckingham Rd). Enter via the north driveway. A HUGE parking lot is located behind the church. Both the parking lot and the Fellowship Hall are located on the east side of the church building, with big signs by the entrance door. Contact Bill Reynolds, K8DNE, 972-475-3854.

Plano testing is on the third Saturday of each month, 1300 hrs at Williams High School, 1717 17th St. East Plano. Check Repeater 147.180+ for announcements.

Greenville testing is on the Saturday after 3rd Thursday, 1000 hrs at site TBA, contact N5KA, 903.364.5306. Sponsor is Sabine Valley ARA. Repeater 146.780(-) with 118.8 tone.

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President's Message

HAPPY NEW YEAR

Wow it is 2009 already! Just seems like yesterday I was operating in the ARRL straight key night, the 10 meter contest and enjoying operating portable CW on 80 meters in the mountains of Arkansas in a cabin near Eureka Springs. We had a nice work break over Christmas and I hope you did as well.

Yes. The RCARC's Elecraft K3 HF transceiver kit did arrive and it is nearing completion. We do have some pictures of the project and these can be found on the main computer in W5ROK station. We had a few missing and two bad parts found during assembly. Elecraft response and support has been outstanding. We finished the initial burn-in and setting the frequency standard on January 9th in one of the labs. Transmit and receive still need testing. This will be followed by the installation of the K3 internal 100-watt amplifier. Several members responded to our offer to join in the fun of this club project and will be helping to test the K3 after assembly is complete. So far, the list is K6JT, KC4UAI, K7NWM, and KD5GYD. Looks like our K3 will be getting some serious and great testing.



K3 Progress to date—Rear Panel View

Joe Wolf, N5UIC, Ross Terry, K5SRT, and I attended the 2nd annual Cowtown hamfest on 10 January in Ft. Worth. We had a great time meeting with many of the vendors and employees including Coy Day of the ARRL, and our members Carol & Bob Coulbourne. Do not think Joe purchased anything but Ross sure made up for it with his finds of a HF automatic antenna tuner, mobile HF antennas, pulleys, coax connectors, CW /RTTY/ASCII decoder, the start of a to-go emergency kit and other pieces/parts. I found a LI/NMHI battery charger, a computer interface, and some older electronic training tapes.

Since last October our W5ROK station has been plagued with wideband noise that is very bad on 80, 40 and 20 meters. Dennis Cobb, WA8ZBT and I have finally found the source of the noise using my Sony 2010 portable shortwave receiver. It is coming from a new energy controller installed for an air handler in the same penthouse where our main HF/VHF/UHF antennas are located. Help is requested in capturing the noise data as viewed on the Yaesu Spectrum display and formatting this information

for presentation to the manufacture of the controller for a solution to this RFI.

Bob, KC4UAI, has completed installation of a 2nd sound card that I donated to the club in computer #1 controlling the Yaesu. Additionally, Bob has installed Ham Radio Deluxe software and also performed the latest software upgrade to our Yaesu FT-2000 HF radio.

Help Wanted. Repeater maintenance status has not changed. The current packet station and UHF repeater power supplies, radio's control management, TNC, power strips, and duplexer need cleaning and preventative maintenance performed. The new rack cabinet needs to be cleaned and a number of shelves need to be acquired and mounted along with power strips. Then the equipment needs to be transferred, re-wired and properly grounded. A new packet antenna needs to be installed. Preventive maintenance needs to be performed on the UHF repeater antenna. Any additional help would be appreciated. Once these tasks are complete, we will start to design the plans for the new 1.2 Ghz repeater installation.

Company news: Rockwell Collins has been selected by General Dynamics C4 Systems to provide approximately 1,500 Helmet Mounted Displays (HMD) for the U.S. Army's Land Warrior integrated fighting system. The contract calls for Rockwell Collins to provide its ProView™ SO35-A system for the program.

The Rockwell Collins ProView SO35-A system features full-color Super Video Graphics Array resolution with a 35-degree diagonal field of view. The SO35-A system incorporates Rockwell Collins' proprietary electro-optical technology in an extremely low power and compact package. I sure hope I get a chance to see this product.

If there is member interest in learning more about a particular area of Rockwell Collins, let an officer know. With enough interest, we will have short presentations at our monthly meetings.

This month we have Mr. Loney Duncan, W0GZV, retired Collins executive, addressing our club on some Collins history and the ARC series of radios. Just may be standing room only. So you may wish to get to the meeting early if you want a good seat.

If you work with technical folks that you believe would enjoy or benefit from an RCARC presentation, tell them about your club. Invite them to a monthly meeting and give them a tour of our station and website <http://www.w5rok.us/>

Joe Wolf reported that most of our members have sent in their renewals. If yours is still outstanding, please consider renewing soon. Joe requests the forms be sent to:

Rockwell Collins ARC
ATTN: MEMBERSHIP
M/S 461-290
P.O. Box 833807
Richardson, TX 75083-3807

Sister Club News: CARC W0CXX JANUARY MEETING

Tango 3-2 DXpedition to Kiribati Island by Tom Vinson, NY0V and Rod Blocksome, K0DAS

Last fall Tom and Rod traveled to Eastern Kiribati to operate T32CXX during the CQWW SSB DX Contest. They also took in a day of deep water fishing, with some success. For our January program, Tom and Rod will describe their adventure to this pacific island "paradise".

The meeting will begin at 4:45 in the building 166 Shenandoah conference room on January 20, 2009.

December RCARC Activities:

- Collins 75th Anniversary Collins Radio Special Event followup.
- Meeting Refreshments Setup Volunteer – Jim Skinner, WB0UNI (more helpers please)
- RCARC Marketing – Joe Wolf, N5UIC; Mike Hollingsworth, W5QH
- Station Tour - Dennis Cobb, WA8ZBT; Bob Kirby, K3NT
- RCARC Digital project - Robert Diepenbrock, KC4UAI; Bob Kirby, K3NT
- Yet Another Great SIGNALS Newsletter – Jim Skinner, WB0UNI
- Treasurers Report – Jim Gaston, KD5GYD
- Club Librarian - Stephanie Keese, AC5NF
- Website Updates - Wayne Hughes, WA0TGH
- December Program - John Champa, K8OCL, Buddipole, Budd Drummond, W3FF
- RCARC Membership Applications & Database - Joe Wolf, N5UIC
- Secretary Report –Dwight Ramsey, KE5SAS
- Station Trustee – Steve Phillips, K6JT
- Vice President Report–Ross Terry, K5SRT
- CRARC (W0CXX) - Club News

Hope to see or hear you at the meeting,
Best Regards (73),
Bob Kirby, K3NT
K3nt@arrl.net
<http://w5rok.us>

Secretary's Report

Ross Terry opened the meeting at 1730 (December 18th 2008), in the Dallas Conference Room. Present at the meeting were:

Bob Ashby	K5JHR	Charles Beis	K5UWD
Randall Dunning	KC5QHH	James Gaston	KD5GYD
Jon Jacobson	K5KRF	James Pellegrino	KE5SAR
Dwight Ramsey	KE5SAS	Chuck Samuel	K7NWM
Mike Schmit	WA9WCC	James Skinner	WB0UNI
Bill Swan	K5MWC	Ross Terry	K5SRT
Joseph Wolf	N5UIC		

1. Officer Reports

- President's Report:* There was no Presidents report—Bob Kirby, K3NT, was unable to attend due to work.
- a. *Vice-President's Report:* Ross Terry, K5SRT, indicated that the 75th Anniversary QSL cards were still in work. He has completed transcribing the log entries to the computer. But the cards are not available from Cedar to mail out. He suggested that a notice of this delay be placed on our WEB page to relieve the concern of individuals waiting on the cards.
To promote membership, it was suggested that a requirement to take the next free Amateur training class is to join the W5ROK Radio Club for one year.
- b. *Secretary's Report:* The Secretary's report was available in the newsletter. It was acceptable as is.
- c. *Treasurers Report:* Jim Gaston KD5GYD, reviewed the club's financial balance sheet. The report did not include the cost of the new Elcraft K3/100 radio, which has been received. It also does not include the yearly contribution from corporate.

- d. *Station Trustee's Report:* There was no Station Trustee's report.
 - e. *Activities Chairman Report:* There was no Activities Chairman report.
2. Old Business
- a. *Disposition of Ham Shack Equipment:* Bill Swan K5MWC, reminded the group that the Collins 30S1 needed to be evaluated before offering it for sale. Ross Terry stated that he had submitted a request to facilities to drop a 220 volt line into the shack needed to power the unit. So far, no response from facilities. Ross also mentioned that there is other equipment in the shack that are candidates for sale. Ross volunteered to follow up on this topic and provide additional information at the next meeting.
3. New Business
- a. *50 / 50 Contest:* The 50/50 drawing was won by Joe Wolf N5UIC. These funds support refreshments at RCARC meetings and other club activities.
 - b. *SkyWarn Training Available:* Bill Swan K5MWC, announced SkyWarn training is coming up. It is planned for Saturday January 24 2009. The admission to the two classes is free. The Basic class starts at 8 AM with the Advance class in the afternoon. The classes will be held at the Spring Creek campus of Collin County Community College.
 - c. *Cow Town Hamfest:* Joe Wolf N5UIC, announced a HAMFEST in Forth Worth Jan 9 and 10, 2009 at the Lockheed Martin Recreational area.

Ross Terry introduced Bud and Chris Drummond, co-producers of the Buddiepole Antenna products. The presentation covered current and new developments in their line of portable antennas and support equipment.

Events and Public Service Ops

15 February 2009 2M Challenge: *by Tom Blackwell, N5GAR, ARRL North Texas Section Manager*

The Plano Amateur Radio Klub, "PARK," will conduct a 2m FM simplex "challenge" on Sunday, February 15, 2009: 2pm-5pm. It is intended to introduce contesting to a larger population of amateurs. The object is to make as many two-way QSO's with as many different stations as possible, in as many different cities as possible, in a 3-hour time period.

For additional information: http://www.n5gar.com/2m_challenge.pdf. Entry form: http://www.n5gar.com/2m_challenge_entry-1.pdf

There is more information on the ARRL North Texas web page: <http://www.arrl.net/sections/NTX.html> , n5gar@arrl.org

21-22 February 2009 ARRL International DX Contest (CW): The object of this event is for W/VE amateurs to work as many amateur stations in as many DXCC countries of the world as possible on 160, 80, 40, 20, 15, and 10 meter bands. Foreign amateurs (also including KH6, KL7, CY9, and CYØ) work as many W/VE stations in as many of the 48 contiguous states and provinces as possible. The event starts at 0000 UTC Saturday; ends 2400 UTC Sunday (**February 21-22, 2009**). More info at <http://www.arrl.org/contests/rules/2009/intldx.html>

TCINFO—The Telecom Corridor Email Reflector *by Frank Krizan, KR1ZAN*

The Rockwell-Collins Amateur Radio Club used to conduct a weekly net on the N5EG repeater (442.8 MHz). After a while, the net expanded to become the Telecom Corridor Information Net and participation by members of all the clubs in the Telecom Corridor was encouraged.

As is true of many nets, participation waned. Needing a way to get the word out, a simple email reflector was created on an Alcatel system. Later, this moved to the Alcatel Amateur Radio Association's server for W5VV.ORG. Now that the AARA is somewhat dormant, the reflector has moved to the K2BSA Amateur Radio Association's server which is managed by Venturing Crew 73 whose specialty is amateur radio and resides in the Telecom Corridor. Many thanks to Eric Wolf, N5EBW, for maintaining this system.

This email reflector has over 50 subscribers at this time and should certainly have more in order for Hams in the Telecom Corridor to get and share current info about happenings in the area.

Consider this your invitation to subscribe to TCINFO. Simply direct your browser to <http://www.k2bsa.org/tcinfosubscribe.php>. Enter your name and call sign and the email address at which you want to receive messages (this should also be the same address from which you will send postings). You'll receive a confirmation once you're subscribed, along with instructions on how to change mail settings.

TCINFO is a great way for clubs to announce their meetings, events and activities and for individuals/clubs to offer items for buy/trade/sell. Many folks have posted questions about Ham radio on TCINFO and obtained useful answers. Clubs in the Telecom Corridor are encouraged to relay postings on TCINFO to their own email reflectors, as appropriate.

There's not much traffic on TCINFO, so don't be worried about getting a lot of email to clutter your INBOX. We hope to enroll you soon.

CQ to Accept eQSL Confirmations for Award Credit

CQ magazine will accept contact confirmations made on the eQSL.cc electronic confirmation system for its operating awards effective immediately, CQ Editor Rich Moseson, W2VU, and eQSL Founder and Webmaster Dave Morris, N5UP, announced today.

There will be certain limitations and procedural differences for different awards, at least to start. Only confirmations from "Authenticity Guaranteed" members of eQSL will be accepted, and in accordance with existing eQSL policy, a membership level of bronze or higher is required in order to participate in award programs via eQSL.

"This is the first time that CQ has formally accepted anything other than traditional paper QSL cards for its awards," said Moseson. "We have been working with Dave Morris and his team for several months to assure that the integrity of our awards programs will be protected and to create mechanisms to make it easy for both award applicants and award managers to use eQSL credits toward our awards. All of our award managers have been involved in this process and support this action."

"We want to express our great appreciation to Dave and his team for their willingness to do whatever was necessary to make this agreement possible," Moseson added. "It has been a pleasure working with them and we look forward to a long-lasting relationship."

"We are pleased to be adding CQ to the top of our list of amateur organizations that accept electronic QSLs," said Morris. "CQ has some of the most highly sought-after awards, and we have been working behind the scenes for years to create credit submission mechanisms that would ensure the integrity of their programs without introducing any additional labor for the award managers. We believe the electronic QSL can drastically reduce costs, and the award application mechanisms we have developed will provide for more efficient processing at reduced cost for both the applicant and the award manager."

Applicants for the CQ DX and CQ DX Field Awards must print out their eQSLs and submit them along with their traditional QSLs to a CQ checkpoint or to CQ DX Awards Manager Billy Williams, N4UF. eQSL has an automated process in place for applicants for CQ's Worked All Zones, WPX and USA-Counties awards. N5UP explains how that will work for the applicant:

"The applicant goes to the My Awards screen. He clicks on the particular award he wants to apply for. This brings up a list of the credits our system 'thinks' he is entitled to. There are checkboxes that allow him to check which ones he wants to use, and we automatically pre-fill one credit per category so he doesn't have to do anything if he wants to take the defaults. At the bottom of the screen are two buttons: 'Submit to CQ' and 'Print Paper Application'."

The "submit" button will place all the selected QSOs into a file for the award manager to access, while the "print" button will generate a printed list to be submitted along with the traditional application. PLEASE NOTE that ALL applicants must send the award fee payment to the CQ Award Manager, regardless of how the application is submitted. Some CQ award managers are now accepting PayPal; see individual award web pages for details. All awards will continue to accept traditional QSLs as well as eQSLs. For the USA-Counties Award (USA-CA), applicants must note on their record books (or printouts) whether each county has been confirmed traditionally (with an "X" to the right of the entry) or electronically (with an "E" next to the entry).

For more information on eQSL, visit <<http://www.eQSL.cc>>. For more information on CQ awards, visit the awards page on the CQ website at <<http://www.cq-amateur-radio.com>>. Please note that the award rules posted on the website have not yet been updated to reflect the acceptance of eQSLs. This will be done as soon as possible, but the policy takes effect immediately.

My Time at W0CXX (Cont. from page 1) session (and check into the early 7 PM session) with no problem. The Pacific area stations reported my signal was S9 + 10 to 20 dB. That high antenna really makes a difference!

I hope we can extend the same courtesy to the W0CXX CARC members who may be working temporarily in Richardson. I truly enjoyed my stay there (even in 0 degree with -10 wind chill weather) thanks to the friendliness and courtesy of our Iowa brethren.

YOU MAY BE ADDICTED TO HAM RADIO IF:

1. When you look at a full moon and wonder how much antenna gain you would need.

2. When a friend gets a ride from you and remarks that you have a lot of CBs in your vehicle, it turns in to an hour long rant on how ham radio is not CB radio.
3. When someone asks for directions, you pause, wondering if long or short path would be best.
4. When you can look at a globe and be able to point to your antipode (and you know what an antipode is).
5. Your cell phone ring tone is a Morse code message of some kind.
6. You have accidentally said your Amateur Radio call sign at the end of a telephone conversation.
7. Your favorite vacation spots are always on mountain tops.
8. You notice more antennas than road signs while driving your car.
9. You have driven onto the shoulder of the road while looking at and antenna.
10. Porcupines appear to be fascinated with your car.
11. If you ever tried to figure out the operating frequency of your microwave oven.
12. When you look around your bedroom of wall to wall ham gear and ask: Why am I still single?
13. The local city council doesn't like you.
14. You think towers look pretty.
15. Your family doesn't have a clue what to get you for Christmas, even after you tell them.
16. Your HF amplifier puts out more power than the local AM radio station.
17. The wife and kids are away and the first thing that goes through your head is that no one will bother you while you call "CQ DX" a few hundred times.
18. When you pull into a donut shop and the cops there on their coffee break ask if they can see your radio setup.
19. You refer to your children as your "Harmonics".
20. Your girlfriend or wife asks: "You're going to spend \$XXXX on what???"
21. You actually believe you got a good deal on eBay.
22. When you see a house with a metal roof, and your only thought is what a great ground plane that would be.
23. You have pictures of your radio equipment as wallpaper on your computer's desktop.
24. Every family vacation includes a stop at a Ham radio store.
25. The first question you ask the new car dealer is: "What is the alternator's current output?"
26. You buy a brand new car based on the radio mounting locations and antenna mounting possibilities.
27. You have tapped out Morse code on your car's horn.
28. A lightning storm takes out a new Laptop, Plasma TV, and DVD Recorder, but all you care about is if your radios are okay.
29. Your wife has had to ride in the back seat because you had radio equipment in the front seat.
30. Your wife was excited when you were talking about achieving that critical angle, but very disappointed when you finally did.
31. During a love making session with your wife, you stop to answer a call on the radio.
32. Your wife threatens you with divorce when you tell her that you are going on a "fox" hunt.
33. (Deleted due to divorce)
34. (Deleted due to domestic homicide)
35. You always park on the top floor of the deck, just in case you might have to wait in the car later.
36. When house hunting, you look for the best room for a radio shack and scan the property for possible tower placement.
37. When house hunting, you give your realtor topographical maps showing local elevations. (Cont. on page 9)

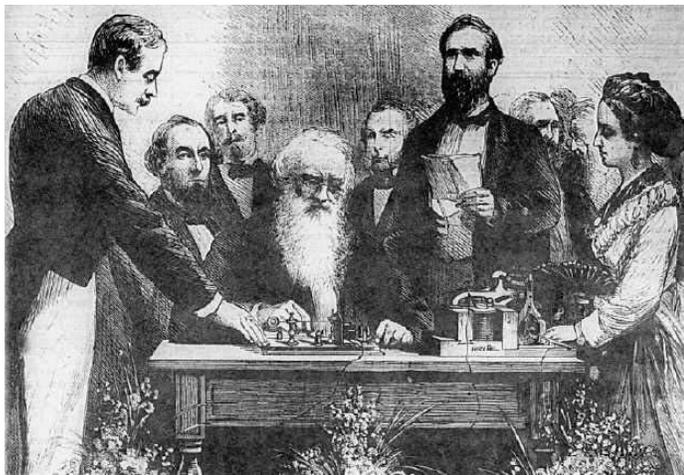
Signature of the Father

The last telegraph message by Samuel F. B. Morse

Many have heard the story about Samuel Morse's first telegraph message sent from Washington to Baltimore in 1844, but few have heard the story of what was considered to be his last message. This last message by Morse had a profound effect on all who copied it, and was considered an impressive technical demonstration of how the capabilities of the telegraph evolved in just 27 years.

When Morse was approaching his eightieth birthday it was felt among the telegraph fraternity at Western Union that a formal testimonial in the U.S. should be given to honor him. Several foreign countries had already recognized him with various decorations and medals. He previously received a gratuity of approximately 60,000 dollars from a special congress consisting of ten European countries for the nearly 1300 Morse sets they had in service.

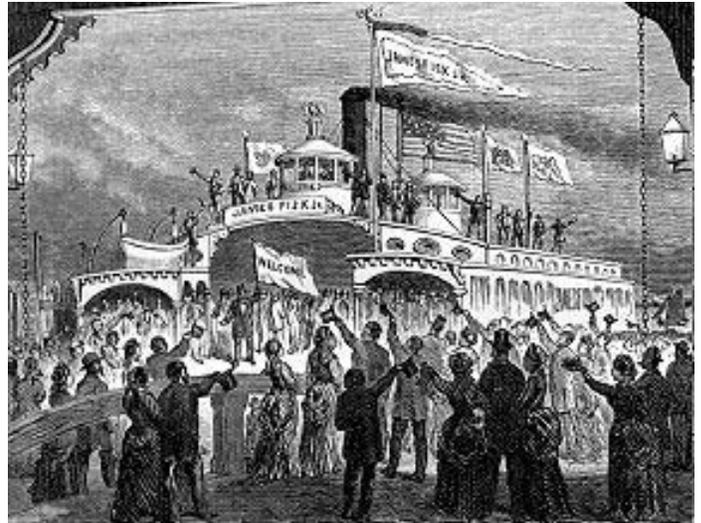
A day of celebration in New York City was planned for a tribute that included the dedication of a statue of Morse in Central Park, a boat excursion around Manhattan for telegraphers, and a reception at The Academy of Music. During the reception, Morse would bid farewell to the telegraph fraternity by sending a specially composed telegraph message world-wide directly from the Academy, ending with him at the key, sending his own signature.



Samuel Morse at the Academy of Music

The funds required for this tribute were raised primarily by the telegraph community. Requests for contributions were made in *The Journal of the Telegraph*, a Western Union trade newspaper by James D. Reid, an author and editor long associated with the telegraph industry. L.G. Tillotson, a prominent telegraph instrument manufacturer protested the limiting of the fund to just Western Union employees. Reid agreed and soon after contributions were accepted from the entire U.S. and Canadian telegraph fraternity. The overwhelming response created a list of contributors that was nearly sixty feet long. Donations were made in amounts ranging from 25 cents to 25 dollars, but the bulk were donations of less than 5 dollars made by individual telegraphers.

Saturday, June 10th, 1871 was the day selected for the celebration. Telegraphers from across the country started to arrive in New York on Thursday, June 8. By Friday, they were arriving by the hundreds. The first event scheduled for Saturday was a complimentary excursion around New York harbor sponsored by L.G. Tillotson & Co. Telegraphers and members of the fraternity gathered at Tillotson's 8 Dey St. store that Saturday morning to



pick up their free tickets. Tillotson & Co., noted for their hospitality, had special displays set up in their store. Fine examples of their registers, keys, sounders, relays, etc. were well stocked on their shelves and available for inspection. At one point it was reported that some 200 people were crowded into the store. Tillotson's hospitality continued during the boat excursion where music and food baskets were provided to the nearly one thousand passengers on board the steamer, James Fisk, Jr. as it made its three hour cruise around Manhattan. Steam whistles blew from all passing steamers and ships from around the world in port that day presented their country's flags, all in honor of Samuel Morse.



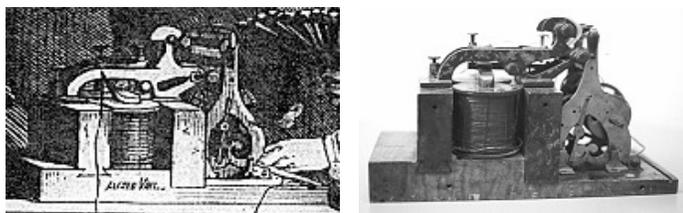
The Central Park Unveiling Ceremony

The unveiling of the Morse Statue was scheduled for 4:00 PM that afternoon. The weather cooperated as New York was enjoying clear skies and 74 degrees. The New York Tribune reported at least 10,000 people gathered for the ceremony including a large number of telegraphers who distinguished themselves in the crowd by wearing badges made of white ribbon. The unveiling ceremony included speeches made by various politicians and telegraph industry executives. Cyrus Field, who had orchestrated the Atlantic cable, read several congratulatory dispatches, including one from President Grant. Field gave an example of the international speed and distance capabilities of the telegraph at that time with his remark: "I have another dispatch from a neighboring village, London, dated June 10, two minutes past eight PM, where it was received here at five minutes to four". Later in the ceremony an oration was given by Morse's close

friend, poet, William Cullen Bryant. Morse, who was then eighty and probably the first U.S. telegrapher to reach that age, was unable to attend the first two events of the day in order to conserve his strength for the night's festivities at the Academy of Music.

The auditorium of the Academy was filled to standing room capacity that evening with those fortunate enough to have obtained the coveted tickets. Some 500 seats were provided on the stage alone to accommodate the prominent guests in attendance. At 8:00 PM Morse entered the auditorium and was greeted by cheers. The ladies in the crowd waved their white handkerchiefs. Morse stepped onto the stage and was seated next to William Orton, the President of Western Union, who was the master of ceremonies. Some of the notable people seated near him included Cyrus Field, Horace Greeley, (New York Tribune founder/editor), Governor Claflin of Massachusetts, (Morse's birth state***) and General Jefferson Davis, (former president of The Confederate States of America). Also seated nearby, to Morse's pleasant surprise, was Annie Ellsworth. It was by her suggestion "What Hath God Wrought" was used as the first telegraph message in 1844.

Set up on the stage near the speakers stand was a small table with the telegraph instruments to be used in the sending of Morse's message. Included and operational in this set up was the original telegraph register used by Alfred Vail in Baltimore that received Ellsworth's historic message sent by Morse from Washington on May 24, 1844. This register*, designed by Vail, was kindly loaned for the special occasion by Mrs. Alfred Vail, his widow.



The image on the right is the Vail Register as it appears today at Cornell University

During the first hour of introductory remarks and speeches, a white table cloth covered the table concealing the instruments. They were connected though, and during the first hour, telegraphers, seated in the orchestra seats nearby, could copy traffic sounding from the muffled register as Western Union was busy putting together the massive network that was to handle the upcoming message. Telegraphers winked and smiled as they listened to orders being sent out from New York as additional lines were cut in:

"close your key and clear out,"..."answer on number 5,"..."adjust that repeater."

At 9:00 PM, Mr.Orton announced it was prearranged that all the lines going to the principle cities and towns of the United States and Canada were connected to the instruments on the small table before them, and that Professor Morse's message was to be sent simultaneously to all of them. As the instruments were being uncovered from the table, Mr.Orton went on to say that a short pause was necessary to allow for any final adjustments of Western Union's repeaters** across its system before proceeding with the message.

Miss Sadie E. Cornwell, an accomplished and beautiful Western Union telegrapher, was then escorted to the table to send the body of Professor Morse's message. The auditorium went silent as she sent:

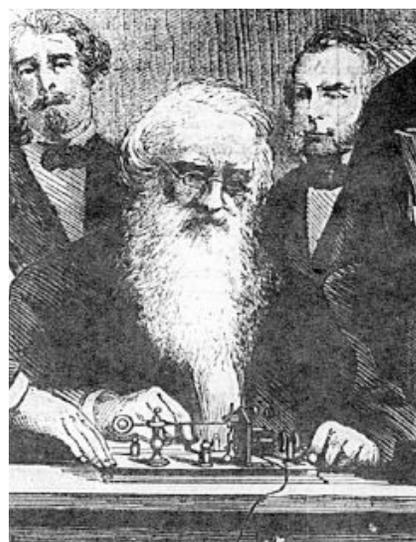


"Greeting and thanks to the Telegraph Fraternity throughout the world. Glory to God in the Highest, on earth peace, goodwill to men."

The crowd, knowing what was to follow, cheered as Mr. Orton escorted Professor Morse to take Miss Cornwell's place at the table. Professor Morse took his seat and as he reached for the key, a complete stillness took place as hundreds of telegraphers, in a sea of

white ribbons, leaned forward, straining to hear. Morse, with a steady firm hand, slowly sent his signature : **S F B MORSE**

At the completion of the last dot, the crowd gave a standing ovation and cheered for several minutes. Morse returned to his seat and was quite visibly overcome with emotion by the crowd's reaction. Mr Orton waved his hand to silence the crowd and announced: "Thus the Father of the Telegraph bids farewell to his children."



S ... F .- B -... M -- O . . R ... S ... E .

taken in presence of the whole newspaper representatives at the capitol."

Telegraphers in stations everywhere also cheered after hearing Morse at the key. Many responses were quickly returned and copied on another set of instruments behind the stage at the Academy.

From Washington:

"...Allow me to congratulate you on the success of Professor Morse's feat. it passed south on every wire, and I have two registered copies

From New Orleans:

"To him whose lightnings have enlightened the world...the telegraphers of New Orleans offer their congratulations."

From San Francisco:

"The telegraphers of the pacific coast send greetings and the heartiest congratulations to the Father of the Telegraph."

Later that evening, as Morse's message was relayed world-wide, similar messages were received from Singapore, Bombay, and Hong Kong. The festivities ended that evening with a very reflective speech by Morse. In his speech he stated :

"...I look upon your proceedings as intended, not so much as homage to an individual, as to the invention whose lines from America have gone out through all the earth, and their words to the end of the world."

At its conclusion, several in the audience lined up for the opportunity and privilege to shake his hand.



Morse Statue today in Central Park.

It was nearly midnight before the audience left the Academy that night. As they were leaving, a colorful aurora was visible in the skies over New York. Many telegraphers commented that it was a fitting coincidence to see nature's own magnetic demonstration on this historic telegraphic night. The tribute to Morse proved timely, ten months later he passed away at his winter home in New York City leaving behind a legacy that immortalized his name in U.S. history.

Registers imprinted **marks** of short and long durations, separated by **spaces**, on a narrow strip of paper, that represented dots and dashes. The terms "**mark**" and "**space**", still used in communications today, have their literal origin from telegraph registers. Telegraphers quickly learned to copy code by the sound produced by the action of the register's pen lever hitting its stops. The telegraph sounder evolved from this ability, as once described by Samuel Morse: "*The sounder is but the pen-lever deprived of the pen.*" The Vail Register was used as a sounder at the Academy of Music.

Samuel Finley Breese Morse was born, April 27, 1791 in Charlestown, Massachusetts.

"S F B Morse" was sent by Morse in "American Morse" not International Morse. American Morse was the standard code used on American land lines.

AAADD - Age Activated Attention Deficit Disorder

Thank goodness there's a name for this disorder. Somehow I feel better, even though I have it! Recently, I was diagnosed with A.A.A.D.D. - Age Activated Attention Deficit Disorder. This is how it manifests

- I decide to water my garden.
- As I turn on the hose in the driveway, I look over at my car and decide it needs washing.
- As I start toward the garage, I notice mail on the porch table that I brought up from the mail box earlier.
- I decide to go through the mail before I wash the car.
- I lay my car keys on the table, put the junk mail in the garbage can under the table, and notice that the can is full.
- So, I decide to put the bills back on the table and take out the garbage first.
- But then I think, since I'm going to be near the mailbox when I take out the garbage anyway, I may as well pay the bills first.
- I take my check book off the table, and see that there is only one check left.
- My extra checks are in my desk in the study, so I go inside the house to my desk where I find the can of Coke I'd been drinking.
- I'm going to look for my checks, but first I need to push the Coke aside so that I don't accidentally knock it over.
- The Coke is getting warm, and I decide to put it in the refrigerator to keep it cold.
- As I head toward the kitchen with the Coke, A vase of flowers on the counter catches my eye - they need water.
- I put the Coke on the counter and discover my reading glasses that I've been searching for all morning.
- I decide I better put them back on my desk, but first I'm going to water the flowers.
- I set the glasses back down on the counter, fill a container with water and suddenly spot the TV remote. Someone left it on the kitchen table.
- I realize that tonight when we go to watch TV, I'll be looking for the remote, but I won't remember that it's on the kitchen table, so I decide to put it back in the den where it belongs.
- But first I'll water the flowers.
- I pour some water in the flowers, but quite a bit of it spills on the floor.
- So, I set the remote back on the table, get some towels and wipe up the spill.
- Then, I head down the hall trying to remember what I was planning to do.

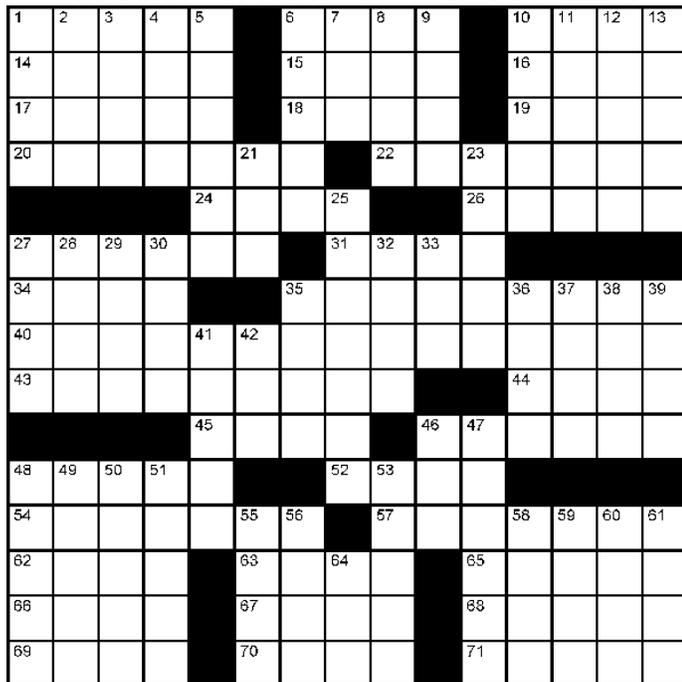
At the end of the day:

- The car isn't washed,
- The bills aren't paid,
- There is a warm can of Coke sitting on the counter,
- The flowers don't have enough water,
- There is still only 1 check in my check book,
- I can't find the remote,
- I can't find my glasses,
- And I don't remember what I did with the car keys.

Then, when I try to figure out why nothing got done today, I'm really baffled, because I know I was busy all danged day, And I'm really tired.

I realize this is a serious problem, and I'll try to get some help for it, but first I'll check my e-mail.

The Amateur Radio Crossword Puzzler



Across

- 1. Diploma word
- 6. Tiny PCB parts
- 10. Junkbox item, say
- 14. Like a nerd
- 15. Grid ____ resistor
- 16. All over again
- 17. Irish prefix
- 18. ____-VOX
- 19. '60s Novice transmitter maker
- 20. Heathkit Novice rig
- 22. VU4 island
- 24. Azimuth 90
- 26. What a lid is, for example
- 27. Best Yagi spacing
- 31. Pick up, on the bands, say
- 34. OE peaks
- 35. 4S7 group
- 40. This puzzle's theme
- 43. "Get lost!"
- 44. What a poor CW filter does
- 45. SU river
- 46. Beams, towers, amplifier - to a DXer, say
- 48. You feed an ant. with it, very generally speaking
- 52. VU royal YL
- 54. ER land
- 57. Popular Novice rig (and tube) of the 50's
- 62. Like Darth Vader
- 63. 2006 contest held in PY
- 65. Label on a wattmeter

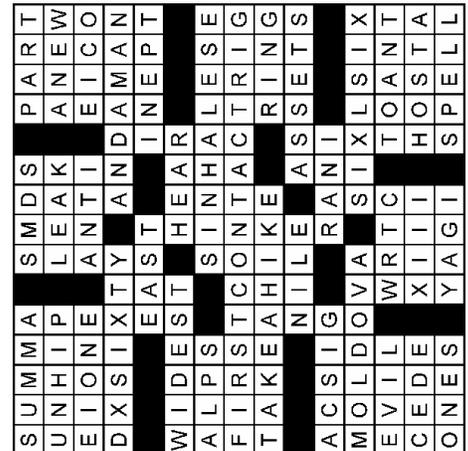
- 13. Drake Novice transmitter
- 21. Tit for ____
- 23. Physicist Paul
- 25. Ponderous one
- 27. Drift, as an odor
- 28. Hip bones
- 29. P5-land (abbr.)
- 30. To be, in old Rome
- 32. Duck: (in DL)
- 33. "Got it!"
- 35. Natural ground system
- 36. FIGS partner
- 37. VE3 lake
- 38. PJ title
- 39. Ceramic insulators, say
- 41. Sierra follower
- 42. Phi follower
- 46. Preceeds a 'J'
- 47. Halves of thirds
- 48. AC-1 maker
- 49. Group of 13
- 50. Trombone part
- 51. What an amplifier in standby does
- 53. Char. code
- 55. Z lead-ins
- 56. Opera solo
- 58. Quad element
- 59. QSL mgr's expectation
- 60. Part of IARU (abbr.)
- 61. Controlled a Novice's freq., once
- 64. Welding type - was heliarc, once

- 66. Give up
- 67. Unlucky number, in Rome
- 68. Plantain lily
- 69. New Englander hams
- 70. ____-Uda
- 71. Hex

Down

- 1. Took to court
- 2. Windows alternative
- 3. Amps per Volt
- 4. Cooper maker
- 5. High points
- 6. Kills, as a dragon
- 7. Restroom sign
- 8. Packet payload
- 9. RF effect
- 10. Song of praise
- 11. JA cartoon art
- 12. Restore a PS, say

This month's Puzzler Solution



YOU MAY BE ADDICTED TO HAM RADIO IF (Cont. from page 5)

- 38. The real estate agent scratches his head when you ask if the soil conductivity is high, medium, or low.
- 39. You have Ham radio magazines in the bathroom.
- 40. When your doorbell rings, you immediately shut down the amplifier.
- 41. Fermentation never enters your mind when "homebrew" is mentioned.
- 42. Instead of just saying no, you have said "negative".
- 43. You have used a person's name to indicate acknowledgement.
- 44. You become impatient waiting for the latest AES catalog to arrive.
- 45. You have found yourself whistling "CQ" using Morse code.
- 46. You always schedule the third weekend in May for vacation.
- 47. You walk carefully in your back yard to avoid being cloths-lined.
- 48. You have deep anxiety or panic attacks during high winds or heavy ice.
- 49. You and the FedEx/UPS men are on a first name basis.
- 50. You really start to miss people that you've never seen.
- 51. Your exercise machine is a Morse code keyer.
- 52. You walk through the plumbing section at the hardware store and see antenna parts.
- 53. Your neighbors thought you were nuts when you ripped up your lawn to bury chicken wire.
- 54. Your next door neighbor thinks that your wife is a widow.
- 55. Your wife has delivered meals to your Ham shack.

Rockwell-Collins

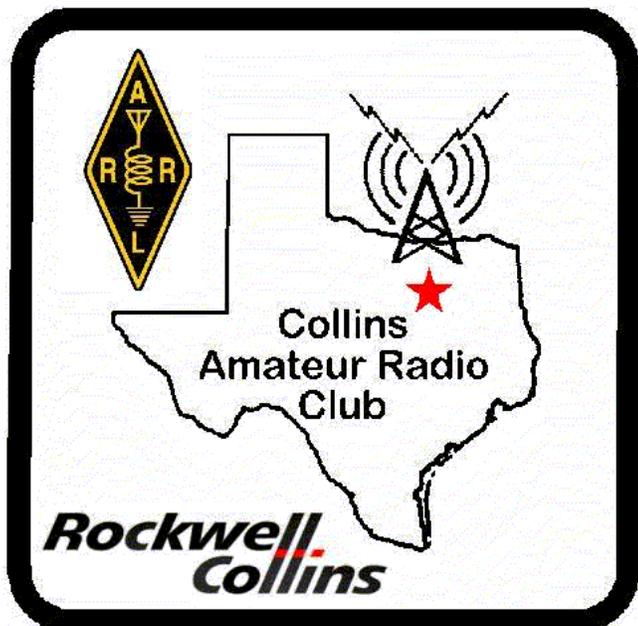
Amateur Radio Club

Mail Station 461-290

P.O. Box 833807

Richardson, TX 75083-3807

TO:



CLUB STATIONS

(972) 705-1349

W5ROK REPEATER

441.875 MHz +5 MHz Input

131.8 Hz PL - RX and TX

W5ROK-1 PACKET BBS ROK Node

145.01 MHz

MEETING

Thursday 22 January 2009

1700 Fellowship

1730 Meeting

Rockwell Collins Building 462

Dallas Conference Room

NEXT SIGNALS DEADLINE:

16 February 2009