

Field Day Auction
Wednesday, May 22nd
@
W9REG

Bring your donations of equipment to the auction
Bring money so you can buy some goodies
Cash donations are accepted

286 Computers will be auctioned

The proceeds from this event are supposed to cover field day expenses, including food, how well do you want to eat?

2 K9FOH won the drawing, \$30.00

TTTTT AAA RRRR AAA President W7YE Bob Martin
T A A R R A A Vice-Pres WB9SWD Curtis Sherwin
T AAAAA RRRR AAAAA Secretary KF9WX Tim Gennett
T A A R R A A Treasurer WA9TGO Jim Canarecci
T A A R R A A Director KF9UP Jeff Stewart

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COMING EVENTS

22MAY96 WED 1930 TARA PROGRAM MEETING, Field Day Auction
only 8 days after the previous meeting!!!!!!!!!!!!!!!!!!!!

26MAY96 SUN 0800-1500 Chicago ARC, DeVry Institute of Technology, 3300
South Campbell, Swapfest, free parking,
Talk-in 147.255, \$5.00

1JUN96 SAT WYCA 5K Walk (Run?), will need 4 or 5 Hams

2JUN96 SUN 0600-0200 Starved Rock RC Hamfest, Bureau County Fairgrounds
on US6, Princeton, IL, Flea Market, Campers & Trailers
(no fee), free parking, Talk-in 146.955, \$5.00

4JUN96 TUE 1000 Olympic Torch 5K Run

4JUN96 TUE The Olympic Torch passing through, will need a lot of
people to man the many points

8JUN96 SAT 4-H/FFA Ag Judging (Poultry/Livestock/Dairy)

8JUN96 SAT A run from River Junction to the Fort

9JUN96 SUN A run from River Junction to the Fort

9JUN96 SUN 6-Meter Hamfest, Willow Springs, IL A/Jan 96 QST

11JUN96 TUE 1930 TARA BUSINESS MEETING

22JUN96 SAT Field Day A/Jan 96 QST

23JUN96 SUN Field Day A/Jan 96 QST

26JUN96 WED 1930 TARA PROGRAM MEETING

9JUL96 TUE 1930 TARA BUSINESS MEETING

13JUL96 SAT ARRL Hamfest, Indianapolis, IN A/Jan 96 QST

14JUL96 SUN ARRL Hamfest, Indianapolis, IN A/Jan 96 QST

24JUL96 WED 1930 TARA PROGRAM MEETING

27JUL96 SAT Rubber Duck Race

4AUG96 SUN ARRL Hamfest, Peotone, IL A/Jan 96 QST

13AUG96 TUE 1930 TARA BUSINESS MEETING

18AUG96 SUN **LAFAYETTE HAMFEST**
ALWAYS 3RD SUNDAY IN AUGUST

25AUG96 SUN ARRL Hamfest, Danville, IL A/Jan 96 QST

28AUG96 WED 1930 TARA PROGRAM MEETING

7SEP96 SAT ARRL Hamfest, Fort Wayne, IN A/Jan 96 QST

10SEP96 TUE 1930 TARA BUSINESS MEETING

14SEP96 SAT ARRL Hamfest, Spencer, IN A/Jan 96 QST

14SEP96 SAT Superfest & ARRL National Convention, Peoria, Illinois

15SEP96 SUN Downtown Civic Center, This is a new site this year,
located near the dam

21SEP96 SAT ARRL Hamfest, Grayslake, IL A/Jan 96 QST

22SEP96 SUN ARRL Hamfest, Grayslake, IL A/Jan 96 QST

25SEP96 WED 1930 TARA PROGRAM MEETING

8OCT96 TUE 1930 TARA BUSINESS MEETING

19OCT96 SAT ARRL Simulated Emergency Test (SET) A/Jan 96 QST

20OCT96 SUN ARRL Simulated Emergency Test (SET) A/Jan 96 QST

23OCT96 WED 1930 TARA PROGRAM MEETING

27OCT96 SUN ARRL Hamfest, Lebanon, IN A/Jan 96 QST

12NOV96 TUE 1930 TARA BUSINESS MEETING

16NOV96 SAT ARRL Indiana State Convention, Fort Wayne A/Jan 96 QST

17NOV96 SUN ARRL Indiana State Convention, Fort Wayne A/Jan 96 QST

27NOV96 WED 1930 TARA PROGRAM MEETING, doubtful, but the Constitution 'Sez Sew'

10DEC96 TUE 1930 TARA BUSINESS MEETING

25DEC96 WED 1930 TARA PROGRAM MEETING, **Wanna Bet**

10MAY97 SAT 4-H/FFA Ag Judging (Forestry & Horse)

T.A.R.A. Business Meeting

Tuesday, 09 April, 1996

The meeting was called to order at 1931 hrs EST by president Bob Martin, W7YE.

Reports

Secretary Tim Gennett, KF9WX, was not present so the minutes from the last meeting were not reviewed. The minutes for this meeting were taken by Vice President Curtis Sherwin, WB9SWD.

Charlie Williams, N9VLW, reported he had obtained a repair manual for the club's generator. He will also be able to get a tent for Field Day.

Jim Collison, K9LYA, reported on the new building alarm system for the Red Cross. It should be on line soon but an exact date has not been set. Once on line, anyone entering the building after hours will need both an access code and a door key.

Treasurer Jim Canarecci provided a treasurer's report. A complete report will appear in the next edition of the *Tattler*.

The Steering Committee's report was distributed.

W7YE reported that the 726 is not a good choice for satellite work. Glenn Ward, N9MIH, recommended getting a 736.

New Business

W7YE passed out flyers for Recycled Computers. Jack Ott, K9AHX, introduced a motion to buy a 386 packet computer for \$290.00. The motion was seconded by N9VLW and was passed.

Bob Lusby, K9FOH, introduced a motion to buy a second 386 from another vendor. There was discussion but the motion failed for lack of a second.

It was moved and seconded to reinstate Dick Collison, WD9CJS. The motion passed.

It was moved and seconded to sell the old Zenith 8088 computer at Field Day auction. The motion passed.

Announcements

W7YE announced that a VE session would be held at 1330 hrs on 4/27 at the Red Cross Chapter House.

A Fox Hunt will be held at 1200 hrs on 4/14 at Klondike School.

The Walk America on 4/27 and the Olympic Torch parade on 6/4 will need communications volunteers.

The attendance drawing was held for the \$6.00 prize. Tim Miller, N9DKI was drawn. As he was not in attendance the May drawing will be for \$30.00.

There being no other business Jim Davis, WA9LYC moved that the meeting be adjourned. The motion was seconded and passed. The meeting adjourned at 2022 hrs EST.

Respectfully submitted,
Tim Gennett, KF9WX, Secretary

TIPPECANOE AMATEUR RADIO ASSOCIATION
 TREASURERS REPORT
 MAY 14, 1996

DUES RECEIVED:		
DICK COLLISON WD9CJS	96 DUES	\$ 6.00
	TOTAL DUES	\$ 6.00
OTHER INCOME RECEIVED:		
INTEREST ON CD - FEB, MAR, APRIL		\$ 72.85
	TOTAL INCOME	\$ 78.85
DISBURSEMENTS:		
BOB FINCH, TUNER CONSTRUCTION PROJECT		\$ 80.00
JIM CANARECCI, BOOK OF STAMPS		\$ 6.40
	TOTAL DISBURSEMENTS	\$ 86.40
STARTING CHECKING ACCT BAL 4/9/96		\$ 614.81
STARTING SAVINGS ACCT BAL 4/9/96		\$ 7458.95
CHECKING ACCT BAL 5/14/96		\$ 620.41
SAVINGS ACCT BAL 5/14/96		\$ 7458.95
CD NOTE #5146289 BAL 5/8/96		\$ 5754.57
CASH ON HAND		\$ 00.00
	TOTAL ASSETS	\$ 13833.93

RESPECTFULLY SUBMITTED
 JIM CANARECCI WA9TGO
 TREASURER 5/14/96

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 H E L P H E L P

Contact Jeff Stewart, KF9UP
 474-6528

June 4, a Tuesday, many activities to do with the Olympic Torch. Not sure how many are needed, but I am sure it will take everybody Jeff can get to help, sounds like they could use the whole club. I hope that enough will call Jeff that he will not have to make a lot of TX calls trying to get all the people that this event will need.

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 H E L P H E L P

Contact Jeff Stewart, KF9UP
 474-6528

June 1, a Saturday, YWCA 5K event, you have probably heard publicity on this one on radio & TV. They want a few people along the route in case there are problems.

June 8, a Saturday, FFA/4H Judging Contests, we have helped on this one for a score of years, and are greatly appreciated, can be fun...

Hamvention Award Winners Named

Amateur of the Year

William A. (Bill) Tynan, W3XO, who now serves as president of AMSAT-NA, has long championed the cause of VHF/UHF enthusiasts worldwide. For 18 years he was contributing editor of QST's "The world above 50 MHz" column. He also pioneered the establishment of the Radio Amateur Satellite Corporation (AMST). His vision continues with the Phase 3D project, set for launch in December.

Special Achievement Award

John Kraus, W8JK, has contributed to many advancements in antenna design. Over the years, Kraus has invented several antennas, but he's perhaps best known for the W8JK beam. Other Kraus designs include the helical antenna and his most recognizable "Big Ear" antenna.

Technical Excellence Award

William (Bill) Orr, W6SAI, has inspired new and veteran amateurs with his consistent encouragement and technical expertise. An Eimac engineer, many of Orr's books have become hamshack standards, including The Radio Handbook, The Beam Antenna Handbook, The Quad Antenna Handbook, and The UHF/VHF Manual. He has personally answered technical questions and supplying schematics to amateurs, going well beyond the call of duty. He writes the "Radio Fundamentals" column for CQ Magazine.

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You are always doing something marginal when your boss drops by your desk.

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MARRIAGE teaches you loyalty, forbearance, self-restraint and a great many other things you would not need if you had stayed single.

The minutes in this issue are from last months meeting, reason for which explained last issue. This issue is going to press 12 hours after the meeting (due to Dayton Hamvention), so to early for official minutes, and may have a problem next month also. Following are some unofficial observations K9KRE made at last night's meeting, the correct version to be contained in the minutes to be published later.

- Meeting ran from 1935 to 2032.
- No one appeared at the April 27th VE Test, not sure why.
- The computer approved for purchase was not purchased for several reasons:
- Other computers have been obtained
- Some 286 computers will go on the auction block at FD Auction
- More discussion on the Ant. Tuner
- KF9UP's report on upcoming communications needs, see page 4
- Planning Committee Report
- Antennas tested and replaced as necessary
- Same for the feedlines
- Satellite capability added
- 100-Watt Amps for 6, 2, & 440
- QRP equipment
- Antenna Analyzer
- Magazines and License Manuals for Libraries
- N6CXB authorized \$300 for FD rope and et cetra
- WB9SWD authorized \$40 to build J-Pole antennas
- Equipment insurance to be paid
- N9MIH looking for help to clean (Wash-Sweep) trailer prior to Field Day
- Tuesday meeting to be all Field Day business
- Nothing new on the generator

Just some of the highlights, and do not take it for gospel until you see the official minutes. K9KRE
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School is fine if you like the principal of the thing.

The NBC Chimes. Where Did They Come From?

You have all heard NBC's famous trademark on TV, the three chimes. But have you ever wondered how it all started? Read on!

The announcer says, "This is the National Broadcasting Company", or "This is N-B-C", followed by the three note chime. Even today a variation on the original chime them can still be heard. The NBC chime is almost 70 years old but it hasn't always been three notes.

America's first nationwide network, the National Broadcasting Company, began broadcasting on November 15, 1926. WEAf in New York was the flagship station and there were 19 affiliate stations.

The corporation was jointly owned by RCA, General Electric, and Westinghouse. There was some confusion among the stations at the conclusion of network programs on the hour and half hour, and some type of coordinating signal was needed to alert the network stations for stations break purposes.

Three men at NBC were appointed the task of developing such a signal for stations identification on the hour and half hour: Ernest la Prada, an orchestra leader; Phillip Carlin, an NBC announcer; and Oscar Hanson, who later became Vice President in charge of engineering. These three experimented on the air with a complicated seven-note arrangement (G-C-F-E-G-C-E) in 1927 and 1928.

The announcers found that the seven-note chimes were too complicated to remember to strike consistently in the correct order so the number of notes was reduced to four (G-C-F-E). The number was then reduced to three and on November 29, 1929 the trademark three-note pattern (G-E-C) first was broadcast. The chimes were

How It Was Done

The chimes consisted of three-note bars finely tuned to exact pitch, mounted on a wood sound box with leather bumpers padding the ends. The bars were mounted in striking order and an aluminum handle allowed the announcer to hold the box up to the microphone while striking the chimes.

Beginning in 1932, the notes were generated by finely tuned metal reeds plucked by metal fingers mounted on a revolving drum. The reeds formed part of a capacitor in an oscillator circuit. The notes were amplified and then sent out to be broadcast. Now all the announcer had to do was press a button.

A fourth chime, a second sounding of the note "C", was initiated to announce major news bulletins like the crash of the Hindenburg, and the attack on Pearl Harbor.

The chimes announced the beginning of NBC television with the sign on of WNBT-TV in New York, April 1, 1941.

NBC registered the chime signal with the U. S. Patent Office in 1950, the first audible trademark to be so registered. The patent identified the specific musical notes and how they were to be played identifying NBC.

(From an article by Bill Harris in Vhf-Uhf Digest)

{{{G-E-C, easy to remember as General Electric Company..K9KRE}}}
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de CQ de W9MJL May 1996

With the growth of amateur radio operators increasing at the rate of 7% a year it is interesting that the General. Advanced and Extra Class increase LESS than 1% per year. Since the latter are the buyers of HF gear it does not make for happy manufacturers and importers.

Emergency power and bad gasoline.

What you should know.

By Bob Wiser KF6FXQ Taken from World Radio March 1996
Contributed by Dave Morris N8EEK

The 1955 Simulated Emergency Test has come and gone, and a very important lesson was learned by our group. Other than field day operations, the SET is when most ARES/RACES amateur radio operators fire up the old generator and operate on emergency power. If this is only one of few times a year when you give any attention to this important piece of emergency equipment, you had better think again!

Most prepared radio operators keep their generators ready for operation at a moments notice. But when it comes to that important subject of storage of fuel, there are two very different schools of thought. One idea is to drain the fuel system dry and keep the gas stored in an approved gas can. The other theory here is the lack of gas in the system will prevent the formation of varnish in the carburetor passages as the gas breaks down over time. The second concept, of which I am a believer, is to keep the generator fueled and ready to go at all times.

The weekend before the SET, a check of field packet operations was needed at a local shelter location. So out came my generator and the packet gear and it was off to the shelter site. The generator ran fine after a few tugs (well, more like quite a lot) on the starter rope. After the test was complete, the generator was shut down, refueled from a gas can stored with the generator and cleaned up. The morning of the SET, one week later, the equipment was pulled out and set up at the local Red Cross office. But the generator wouldn't start! It had spark, and fuel was making it into the cylinder. It had all the symptoms of loss of compression (a stuck open valve). It was off to the motor repair shop for a second opinion. The diagnosis was "bad gas" that caused "rapid" varnish buildup on the valve stems. You can guess the rest.

The item of greatest interest was the mechanic's comment about the gas. He said the average shelf life of today's automotive gas, especially the winter time oxygenated gas, has decreased substantially from the gas mixtures of years past. In an effort to reduce the by-products exiting the exhaust pipe, the gas makers have removed lots of additives from the formulas. One of the side benefits of some of those "former" additives was the extension of the shelf (storage) life. I operated my generator on what I thought was an acceptable schedule (one every two months for about 10 minutes). But, in reality, what I was doing was generating a nasty varnish film on the exhaust valve stem that decided to stick at the worst time. We are talking about a 1 year old generator that doesn't have more than 10 hours on the motor. There were no outward signs of problems other than beginning to get harder to start.

Now for the second of those two ideas on how to store a generator. Before you think to yourself, "I'm right, store it dry and add the gas when I need it", think about this. Most small gas engines have a foam filter in the fuel tank or a cartridge filter in the line with the fuel tank. "When these filters are left dry for an extended period of time", said the mechanic, "they dry out, crack and break down". When fuel is replaced back into the tank, these filter particles can flow through the fuel system and clog it just like the varnish can. Sounds like the old Catch-22 doesn't it?

Many generator manufacturers suggest the use of a gas additive to extend the shelf life of the gas. Ten years ago I would never have given this kind of stuff a thought. It seems however, today's fuels are a different story. If you still have your manual or a sticker on your generator that suggests a specific gas additive, you may want to give the idea another thought. If you have problems with slow starting, rough running, or no starting at all, you may want to look at your gas. Don't let this problem happen to you. Be a prepared radio operator. I think this is a timely question that may be applied to any number of our gas powered yard and garden tools, such as string trimmers, and mowers that have been stored all winter.

From your President's Desk;

Not so much to report this time. After our last meeting the planning committee held their meeting and will have a report for us this Tues. I would like to really get "cracking" on the improvements to the station ASAP.

The following Wed., May 22, we will hold the annual Field Day auction so you need to be getting your donation stuff together, and stuff your wallets with extra cash to buy new STUFF!

FD is still planned for the Veteran's Home location as arranged by Brenda Williams, N9XTL. She is going to re-check it this week. The backup location is at Dave Robert's farm. The meeting this Tues. is "All about FD", and any other business that comes up. CU there!

Bob Martin, W7YE

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de CQ de W9MJL Apr 1996

FEDERAL EMERGENCY MANAGEMENT AGENCY
ISSUED SPECIAL AMATEUR RADIO CALL SIGNS

- KF1EMA - Region I, Maynard, MA
- KF2EMA - Region II, New York, NY
- KF3EMA - Region III, Philadelphia, PA
- KF4EMA - Region IV, Thomasville, GA
- KF5EMA - Region V, Chicago, IL
- KF6EMA - Region VI, Denton, TX
- KF7EMA - Region VII, Kansas City, MO
- KF8EMA - Region VIII, Denver, CO
- KF9EMA - Region IX, San Francisco, CA
- KF0EMA - Region X, Bothell, WA
- NF1EMA - FEMA HQ, Mt. Weather, Berryville, VA
- NF2EMA - Federal Support Center, Olney, MD
- WF1EMA - Maynard MERS Detachment
- WF3EMA - MATTS
- WF4EMA - Thomasville MERS Detach.
- WF6EMA - Denton MERS Detachment
- WF8EMA - Denver MERS Detachment
- WF0EMA - Bothel MERS Detachment

[The above are at least unique if not distinctive.....K9KRE]
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de THE FEEDLINE May-Jun 1996

There are over 8,000 satellites in orbit around the earth. 600 of them are functioning and in use daily. (NASA)

Back in Business:
The Vacuum Tube
By Peter Coy---Business Week, April 1996

There is nothing more out of date than a vacuum tube, right? Not at AT&T's Kansas City Works, which is ramping up to resume production of the tubes to meet demand. Audiophiles insist that solid-state stereo can't match the tubes' sound.

Atlanta entrepreneur Charles Whitener Jr.'s outfit, Westrex, is using the Kansas City facilities to make tubes the way AT&T used to before it discontinued the line in 1988. He's rehiring a dozen tube-making vets.

With the advanced companies only making solid-state electronics, the tube business has fallen to the Russians and Chinese. But the quality of their tubes is iffy. So an original Westrex 300B tube from AT&T can fetch \$700 and up. Whitener charges \$350. With full-scale production slated to begin in July, his initial output (up to 30,000 a year to start) is already spoken for.

Introduced in 1937, the Westrex 300B is an old design even as vacuum tubes go-and that's exactly why audiophiles like it. The tube had to be good. It predated widespread use of "Negative feedback" and other modern electronic tricks used to squelch distortion.
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de QRM (BCARC) Vol 2 #2 Apr/May 96

(We noted the following. K9KRE)

The Boone County Amateur Radio Club has moved their meetings from the 1st Thursday to the 4th Thursday of the month, at 7:30PM. Meeting still held at the Lebanon Ponderosa at I65 & SR32.

The Clinton County club meets on the 2nd Tuesday of the month, 7PM at the Frankfort Public Library.