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# The TSRAC ARNB

## The TSRAC Amateur Radio News Bulletin

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Volume 38 Issue 04

*Issued Bi-Monthly - Never Missed an Issue*

407th Edition

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BECAUSE OF CLUB SILENT KEYS, MEMBERS ARE NOW ASKED TO PARTICIPATE IN NEW MEMBERSHIP DRIVE TO BRING OUR MEMBERSHIP NUMBERS BACK TO THEIR FORMER NUMBER!!!!

**T**SRAC, like many long-term, Amateur Radio Clubs is now facing the facts of life and starting to rebuild its membership, with inducements and Rewards to equal the last high ratings! For a two-month period TSRAC is having its membership offer Club Memberships whenever they contact a non-member of the Clubs first year DUES FIGURE AT ONLY A LOW FIRST YEARS DUES FIGURE OF HALF-PRICE OF ONLY \$5.00 FOR THE FIRST YEAR!!!! This will prove the benefits of being a member of TSRAC! This is for the FIRST YEAR OF MEMBERSHIP, WHICH CONTAINS 61 SERVICES AND BENEFITS!

WHEN you contact another member, on any band or Repeater, ASK THEM, "ARE YOU A MEMBER OF TSRAC?" IF they say "NO", then tell them, "As a Member of TSRAC, we are on a Membership drive and I can offer you dues in TSRAC, with 61 services and Benefits at HALF-PRICE at only \$5.00! AS AN EXAMPLE, THIS INVITES YOU TO ATTEND THE BIG ANNUAL TSRAC COOKOUT AT SALLY BUFFALO PARK IN CADIZ, OHIO THIS SUMMER WITH THE REST OF THE MEMBERS!!! (In addition to that, there are 60 OTHER BENEFITS!)"

There are many benefits as you participate in several nets of TSRAC, such as in the TSRAC Club's Weather Net, you become able to forecast what the WX is going to be from the accumulative readings given in net reports! You soon see and recognize how the National WX Service develops their WX FORECASTS from the collective readings of WX FIGURES OBSERVED!

From checking into the varied selection of TSRAC Nets, you gain the acquaintance of many other members in different parts of the local areas but also the COUNTRY! EXPAND YOUR LIST OF OPERATING AMATEUR FRIENDS AROUND NOT THE LOCAL AREA BUT ALSO AROUND THE COUNTRY!

PLUS A CASH REWARD! TO THE MEMBER THAT BRINGS IN THE MOST OF NEW TSRAC MEMBERS TO BRING OUR FIGURES BACK AS BEFORE (TO MAKE UP FOR THE REGRETTABLE LOST MEMBERS TO THE GRIM REAPER, YOU WILL BE PRESENTED WITH A NET FIGURE OF THE TOTAL DUES FIGURE ACCUMULATED ON THIS NEW DRIVE!!!

START NOW! ENJOY MAKING A LOT OF NEW FRIENDS BUT REAPING A FINANCIAL REWARD AS YOU EXPAND YOUR LIST OF AMATEUR RADIO FRIENDS. TSRAC LEADS THE WAY!!!!

**ANOTHER VALUED TSRAC MEMBER BECOMES A SILENT KEY!**

**AS A RESULT MEMBERS MUST SEEK REINFORCEMENTS & BE REWARDED!**

By Ralph A. McDonough K8AN

Like the Amateur Radio Service itself, TSRAC has lost so many fine members and it now has to fall back and start a MAJOR RECRUITMENT PROGRAM!!!

To ACCOMPLISH THAT PROGRAM OF NEW MEMBERS TSRAC has now started a CAMPAIGN to build up the ranks to full strength again! The campaign to sign up NEW MEMBERS will go on until the organization he reached full strength again! A committee will be appointed to devise it. REWARDS for rebuilding the organization to a former membership strength can be obtained in this modern day and age. START RECRUITING IMMEDIATELY! Records will be kept by the club ACCOUNTANT and REWARDS will be determined accordingly. Records will be kept and the Club Accountant will determine the ending of this single personal first renewal and dispense the REWARDS FOR THIS FIRST SINGLE CONTEST OF REPLENISHMENTS. Follows the story of the last Silent Key to determine the need for the contest!

**ANOTHER VALUED MEMBER BECOMES A SILENT KEY!**

**BOB C. TURVEY, WD8EIR, (Member #90)** a permanent transfer of residence from Martins Ferry, Ohio to Green Cove Springs, FL passed away April 1, 2008 He was born in Martins Ferry, Ohio and lived there all his life on one of the Valley's high plateau area. Bob had been a WWII veteran, serving in the United States Navy, serving during the Korean War, returning to become a member of the United States Postal Service, serving as Postmaster of the Benwood, WV Center. He also was a member of the M.F. Blue Lodge Masons, Valley of Steubenville Masons, in addition, and the Sirius Shriners. He retired with the United States Postal Service as the Postmaster in Benwood, W.Va. He had also been a member of TSRAC as a graduate of the TSRAC Amateur Radio classes at Belmont Career Center carrying a low membership of #90. Where possible he served on many TSRAC assignments.

He is survived by his wife, Wilda Louise Turvey; step-son, William E. Tippett; his mother, Ruth Lazio; sister, Okel Tipton; granddaughter, Kari Tippett and Jenifer Tippett; five great-grandchildren; many nieces and nephews; as well as many loving friends.

Funeral services were held on Friday, April 4, 2008, at 2 p.m. in the chapel of Arlington Park Funeral home, Jacksonville, FL.

WITH ANOTHER TSRAC MEMBER BECOMING A SILENT KEY, THE NEED FOR REPLACEMENTS  
BECOMES URGENT!

By Ralph A. McDonough – K8AN

On August 12, 2006, member **LESTER E. HAZEL, WD8COT, LISBON, OH**, literally turned in his key and mike to the Grim Reaper and became a SILENT KEY. He was member #1489, his call was WD8COT. His passing shows the widespread area of TSRAC members and why we have to replace any that pass on, which is so regretted. It leaves a gap in the TRIPLE STATES RADIO AMATEUR CLUB but can you visualize how he is missed by family, relatives, and friends. His family tells us that he really liked his RADIO but was also an avid clay pigeon shooter!

ALL MEMBERS, WHEN THEY WORK A STATION ARE TO BE ASKED AND TOLD ABOUT TSRAC, Tell them the benefits, the newsy publication, the annual big dinner at SALLY BUFFALO PARK in Cadiz, Ohio where the whole family is invited to come and participate! A later BNT will have the details and check to see how many and when, are coming?

NOTE TO ALL MEMBERS! When you contact a station, locally, or out of the area, issue them an invitation to join TSRAC. If they do not get all the benefits they expect, they only have to ask for their dues back. To date, we have NEVER had occasion to return any!!

THE CLUB BNT IS YOUR BNT. THINK THE EIDTOR CAN USE. PLEASE SUBMIT ANY ITEMS THAT YOU WILL BE MOST APPRECIATED.

REWARD! The member that gets credit for bringing in the MOST NEW MEMBERS WILL BE AWARDED EITHER A prize of value or a share of the DUES THEY HAVE BROUGHT INTO THE CLUB. REMEMBER WE NEED NEW MEMBERS TO MAKE UP FOR THE SILENT KEYS: WE NEED ~ MEMBERS TO KEEP UP OUR FORMER STRENGTH. JUST ASK, YOU WILL BE SURPRISED AT HOW MANY ARE JUST WAITING FOR AN FORMAL INVITATION!

IF any member has any ideas on passing on that will bring them in, please send it into TSRAC headquarters, please.

Any news items you have send them in to the EDITOR PLEASE!

ANY IDEAS ON RECRUITMENT SEND TO HQS.

In conclusion, please stay in good health! Exercise daily! get checkups!

## ARRL News

Submitted by Doug Douglas, N8SAQ

Dayton Hamvention – The ARRL EXPO area is packed up into seven shipping skids and they are in a truck on their way to Dayton. The Dayton Hamvention® will run from May 16-18 at Hara Arena, just outside Dayton, Ohio.

FCC Looks to Raise Vanity Call Sign Fees (May 8, 2008) -- The FCC released a *Notice of Proposed Rulemaking and Order (NPRM)* on May 8 seeking to raise fees for Amateur Radio vanity call signs. Currently, a vanity call sign costs \$11.70 and is good for 10 years; the new fee, if the FCC plan goes through, will go up to \$12.30 for 10 years, an increase of \$.60.

History Channel Show to Feature Nikola Tesla (May 7, 2008) -- [Modern Marvels](#), a series on [The History Channel](#), will feature electricity pioneer Nikola Tesla in an episode scheduled to air May 14. Helping out with the program was Bob "Loby" Lobenstein, WA2AXZ; Lobenstein is General Superintendent, Power Operations for New York City's subway system. "We did 8 hours of taping interviews at my 1904 power substation," Lobenstein said. "In addition to the action scenes of me throwing the 100 year old switches and demonstrating the use of power, I did a 'Mr Wizard' talk, showing the various things that 'Mr T' envisioned and invented. Of course, radio had a part and I just had to put the D-104 mic with our club's K2IRT shield into view!" According to The History Channel, Tesla's "...bizarre vision of the future brought him failure, but his genius electrified the world. Travel to Niagara Falls, where in 1893, Tesla installed his new system of Alternating Electrical Current known as AC -- the same power we use today. Uncover the forgotten ruins of Tesla's dream experiment -- a huge tower on Long Island Sound he hoped would wirelessly power the world. Radar, death rays, invisibility devices and earthquake machines: Tesla claimed to have created them all. More than 100 years ago Tesla foresaw the need for alternative energies like geothermal and solar." Check the The History Channel Web site for show times

The K7RA Solar Update (May 9, 2008) -- Again this week, we saw a new, but brief sunspot, sunspot 993. Judging from the polarity of the spot, it looks to be from new Solar Cycle 24; this spot was south of the solar equator, so it has the same polarity as any Cycle 23 spot that was north of the equator. After two days it was gone, not from drifting over the edge of the visible solar disk -- it just disappeared.

New NASA Tool Allows Amateurs to Explore the Ionosphere from the Inside (May 7, 2008) -- Last week at the Space Weather Workshop in Boulder, Colorado, NASA released a 4D live model of the Earth's ionosphere. Without leaving home, anyone can fly through the layer of ionized gas that encircles Earth at the edge of space itself. All that is required is an Internet connection and a free copy of *Google Earth*. NASA calls the ionosphere the "last wisp of Earth's atmosphere that astronauts leave behind when they enter space. The realm of the ionosphere stretches from 50 to 500 miles above Earth's surface where the atmosphere thins to near-vacuum and exposes itself to the fury of the sun. Solar ultraviolet radiation breaks apart molecules and atoms creating a globe-straddling haze of electrons and ions."

Net Control Roster JUNE/JULY 2008			
WX Net 146.910 WB8AQF (nm)	2 meter News/Chat Net 146.910 KD8RAY	10 meter Chat Net 28.480 KA8TSR	6 Meter Chat Net 50.150 KA8TSR
JUNE 3 - WB8AQF	JUNE 4 - KD8RAY	JUNE 4 - KA8TSR	JUNE 4 - KA8TSR
<b>JUNE 10 - WD8DD</b>	<b>JUNE 11 - WB8AQF</b>	<b>JUNE 11 - WD8JHV</b>	<b>JUNE 11 - KA8TSR</b>
JUNE 17 - KA8YFA	JUNE 18 - KD8RAY	JUNE 18 - KA8TSR	JUNE 18 - KA8TSR
<b>JUNE 24 - WB8AQ</b>	<b>JUNE 25 - KD8RAY</b>	<b>JUNE 25 - KA8TSR</b>	<b>JUNE 25 - KA8TSR</b>
JULY 01 - WD8DD	JULY 02 - KD8RAY	JULY 02 - KA8TSR	JULY 02 - KA8TSR
<b>JULY 08 - KA8YFA</b>	<b>JULY 09 - WB8AQF</b>	<b>JULY 09 - KA8TSR</b>	<b>JULY 09 - KA8TSR</b>
JULY 15 - KD8RAY	JULY 16 - KD8RAY	JULY 16 - KA8TSR	JULY 16 - KA8TSR
<b>JULY 22 - WD8DD</b>	<b>JULY 23 - KD8RAY</b>	<b>JULY 23 - KA8TSR</b>	<b>JULY 23 - KA8TSR</b>
JULY 29 - KA8YFA	JULY 30 - WB8AQF	JULY 30 - KA8TSR	JULY 23 - KA8TSR

KD8RAY Alternate NCS for wx net

**NOTE:**

Wednesday 2 meter Net times have changed from 8:15 pm to 8:00 pm to allow for any news for the net and comments. Bring a friend. Do you have someone that might be interested in being net control for Tuesday night wx net? We'll offer them a 1 year membership and emailed BNT. Contact Ray kd8ray@comcast.net

Please if you are capable of receiving the BNT via email contact Butch wd8ppr@aol.com .

**“The Birth of The [A.R.R.L.](#)” Part II**

*Reprinted with permission from The League*

*Submitted by Ray- KD8RAY*

For the first ten years, progress was slow, and fraught with difficulties. Technical and constructional material was scarce. Although a number of articles on wireless were published, often in consumer magazines, they were usually for the layman; only occasionally was useful constructional material included. In 1908 Hugo Gernsback, already well known through his Electro-Importing Company catalog and wireless supply house, began the publication of *Modern Electrics*, which as a result of enthusiastic reader acceptance quickly adopted a policy of covering wireless almost exclusively. This, plus lesser treatment in other magazines, and a textbook or two, made generally available to embryo hams the information necessary to assemble a station.

The typical amateur station of those days was an induction coil, a condenser, and spark gap for the transmitter, and a simple coherer-decoherer or galena crystal for the receiver/detector, usually into a single head telephone. Better equipped stations had receiving tuners (most U.S. commercial receiving equipment was untuned, since patents on the loose-coupler systems of tuning were held by Marconi, a legal problem which did not bother amateurs). Although the Fleming Valve had been invented in 1904, and the deForest audion in 1906, neither found immediate general acceptance in wireless

communication—in the case of amateurs, probably because of the high cost compared with only slightly improved results. Distances ranged up to several hundred miles for the larger stations with several kilowatts, but for the most part hams were content with 50 or 100 miles with average gear.

Regulation was non-existent; there was no radio law. The Navy did issue “certificates of proficiency,” but this was not a requirement for operation. Everyone had an equal right to the air. Operating conflicts between amateurs, military (mostly Navy) and commercial occurred often. The Navy and commercials charged that amateurs were cluttering up the air and interfering with important traffic; the amateurs in turn claim that if the complainants would use modern (tuned) receivers, they would have no difficulty! Trouble was brewing; many amateurs had better and more powerful stations than the Navy and commercial stations, and were often better operators. The opponents of amateur radio took their case to Congress, and in the period 1906 – 1911 a flurry of bills was introduced. In one way or another, each would have spelled doom for amateur radio; one, urged by the Navy, would have made wireless an exclusive government monopoly (as indeed developed in most foreign countries). None of these succeeded. Although generally unorganized, amateur radio of 1910 had enough small clubs and capable individual representatives to block the bills. Admittedly, this was accomplished with the help of the Marconi Company (not necessarily through any love for amateurs), who supported the amateur’s contention that U.S. commercial gear was inferior (implying of course that Marconi’s tuning system was much better). The Radio Club of America and the Wireless Association of Pennsylvania (represented by Charles H. Stewart, later to become A.R.R.L. vice president) were among those who appear in opposition to the bills which would have spelled the death knell for amateur radio. – The Coming of the Law - *Next BNT*

Once again, the Postal Service raised the price of postage. This hits TSRAC right in the pocket book! PLEASE, if you can receive the ARNB via the internet, please do so. This really helps the Club financially. We have to limit the size of the ARNB because of the postage issue. If you receive the ARNB via the internet, there is NO cost. Because of this constraint, I’ll publish **Operation Downfall – Part 2 from Bob Hess, W8VIF** in the next issue because of the article’s length. Thanks, Harry (Butch) Trumpie, wd8ppr@aol.com

# Universal Radio - Quality equipment since 1942.



## MFJ-121B

The MFJ-121B atomic clock lets you simultaneously

read both UTC and local time at-a-glance. It is fully automatic! Just install two long life AAA batteries and tell it what time zone.... It actually synchronizes itself to the exact time daily. It tunes into the radio signal emitted by the US Atomic Clock in Fort Collins, Colorado to give you precise and reliable time. Available time zones include: Pacific, Mountain, Central, Eastern and UTC (GMT). You can set for 12 or 24 hour format. The MFJ-121B will automatically detect Daylight Savings Time. Mounted in a handsome hard plastic frame, the MFJ-121B features HUGE, easy-to-see 2 inch tall by 1 1/2 wide LCD numerals and seconds display that makes it easy-to-read from across the room. Unlike the original MFJ-121, this new "B" version has a Daylight Savings Time disable function.

This clock uses two AAA batteries, not included. Mounts on wall or desk mount. Perfect for the shack, emergency office or professional office.

MFJ-121B Order #4969 \$74.95



## IC-208H



- Encode/Decode
- 9600 Ready
- 500 Memories
- Duplexer
- Weather Alert
- DTMF Mem's
- FM Narrow Capable
- Three Output Levels
- Detachable Head
- RF Attenuator
- 1750 Hz Tone Burst
- Full Function Mic

The ICOM IC-208H 2M/440 dual bander features: detachable control panel, wideband receive, CTCSS decode/encode, PC compatibility and 500 alpha memory channels. Output is 55/15/5 watts on 2 meters and 50/15/5 watts on 440 MHz. The 208H also includes a built-in duplexer, packet port, OPC-600/R separation cable, HM-133 remote hand mic, mobile mounting bracket and spare fuses. Requires 13.8 VDC at 12 amps.

List \$396.00 Order #0208 \$254.95  
[Price shown is after \$20 Icom Instant coupon and \$20 Icom mail-in rebate]



## VX-7R VX-7RB



- 132 x 64 dot matrix LCD
- Weather Alert
- 900 Memories
- AM/FM/SW BCB
- Submersible
- CTCSS/DCS
- Wideband Receive
- Clock
- Backlit Keypad & LCD

The Yaesu VX-7R is a tri-band (6M, 2M & 440) HT with extensive receive coverage, and leading-edge features. This American version even transceives with 300 mW on the 220 band. Power output on 6M/2M/440 is 5/2.5/10.5 watts. It receives the AM & FM broadcast bands, shortwave (AM), VHF/UHF TV audio, VHF Air and public service bands. Magnesium case with rubber bumpers and gaskets sets the standard in ruggedness, versatility and water resistance. It is actually submersible (3 feet for 30 minutes). Other features: 24 hour clock, 900 memories, changeable icons, severe weather alert, and multicolor LED strobe. The VX-7R also has an Internet key to access the new WIRES™ system. The VX-7R has silver case. List \$465.95 Order #0777 Please Call The model Yaesu VX-7RB is a black version. List \$465.95 Order #0778 Please Call

FREE bonus item with your VX-7R/B.



This bright orange ball cap is made of a high-quality fabric and features an adjustable band on the back.

## COFFEE MUG

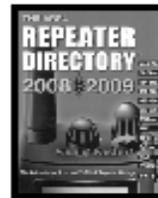


This bright orange coffee mug has a striking midnight blue interior. It features the Yaesu logo and holds 10 oz. Order #4935 \$5.95

## NEW!

### ARRL REPEATER DIRECTORY

This famous 3 1/4" by 5 1/4" pocket sized guide has 19,826 listings for repeaters operating from 10 meters to over 1.2 GHz. Current Edition. 754 p. Order #3602 \$10.95



### ARRL DESKTOP REPEATER DIRECTORY

This famous pocket sized directory is also available in a bigger 6 by 9 inch format with larger type. 622 p. Order #2250 \$15.95



## VX-6R



- 6 Char. Alpha,
- 900 Memories
- EPCS
- CTCSS/DCS
- AM/FM Wideband Rx
- Weather Alert
- Backlit Keypad & LCD
- Submersible
- Auto In-Range Transp.

The Yaesu VX-6R is a tri-band (2M, 220 & 440 MHz) HT with extensive receive 504 kHz ~ 998.99 MHz (cellular blocked). Like the VX-7R, it is submersible (JIS7) and extremely rugged. It puts out 5 Watts on 144 and 430 and 1.5 W on 220. With 900 6-digit alpha memories. It features the new "Emergency Automatic ID" (EAI) system, Enhanced Paging and Code Squelch (EPCS), "Wake-Up" battery saver system. Other features include: black magnesium case, severe weather alert, ARTS - auto in range transponder and multicolor transmit/receive LED. The volume and squelch knobs are oversized. 2.3 x 3.5 x 1.1 inches 9.5 oz. The VX-6R comes with: Flexible SMA Antenna, FNB-80LI Lithium Ion Battery, NC-72B Battery Charger, Belt Clip and Wrist Strap.

List \$315.00 Order #0666 Please Call

FREE bonus item with your VX-6R.



This five function pocket knife with Yaesu logo features: a blade, nail file, scissors, toothpick and tweezers.



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**APPLICATION FOR MEMBERSHIP OR RENEWAL IN TSRAC**

Membership in TSRAC qualifies you for over 61 Services and Benefits.

- **RENEWALS ONLY:** Mail to: Harry H. Trumpie, WD8PPR 154 Bench Street, Bridgeport, OH 43912-1303
  - Make checks payable to TSRAC and include your current Label if renewing.
  - **NEW MEMBERSHIPS:** Mail to Club Headquarters

Please Check One: RENEWAL \_\_\_\_\_ NEW \_\_\_\_\_

> \* NEW or RENEWAL MEMBERSHIP: \$ 10.00  
> \* *Optional* Contribution to the TSRAC Repeater Fund Plus + \_\_\_\_\_

> ***VERY IMPORTANT - IF RENEWAL*** what is your Membership Number? \_\_\_\_\_  
Name \_\_\_\_\_ Call \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ +4 \_\_\_\_\_  
When does your A.R. License Expire \_\_\_\_\_  
What is your class of License \_\_\_\_\_  
Are you a member of ARRL \_\_\_\_\_  
What is your E-Mail address \_\_\_\_\_  
*TSRAC reserves the right to accept or reject New or Renewal Memberships*

***Moving?*** Send the Address Label With Your Corrections To:

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