

# Printed Circuit

Program Meetings Changed for April-May-June

2007.04

## KNOW YOUR PRIVILEGES! MISCONCEPTIONS ABOUND REGARDING TECH HF PRIVILEGES

ARRL WEBSITE

Some Technician licensees who gained new privileges February 23 remain unaware or uninformed as to what they may and may not do on the HF bands, says ARRL Regulatory Information Specialist Dan Henderson, N1ND. In addition to all Amateur Radio operating privileges above 50 MHz, Technicians who never passed a Morse code test now have CW privileges on certain segments of 80, 40 and 15 meters plus new CW, RTTY, data and SSB privileges on certain segments of 10 meters. And that's it. "Know your privileges," Henderson advises all Amateur Radio licenses. He says some Technicians apparently believe their new HF phone privileges go far beyond what they really have.

"Technicians have no phone privileges on any HF band other than 10 meters, period!" Henderson emphasizes. "That's the bottom line. If you want to operate phone on the other HF bands, you'll have to upgrade to General or Amateur Extra class."

### *Doing the Numbers*

A lot of Technician licensees appear to have done just that, according to statistics compiled by Joe Speroni, AH0A. So far in March, the number of General

class licensees is up by more than 2700 over the February figure to 134,173, after hitting a 5-year low of just under 131,000 in January. The number of Technicians dropped by 4655 in the same period to 318,838 -- although there are still far more Techs than licensees of any other class. Meanwhile, the number of Amateur Extra licensees is at a 10-year high of 109,010 -- up by more than 400 since February.

### *Bending the Rules*

Most Technician license holders face a learning curve to take advantage of their new CW privileges on HF, but they no longer have to pass a Morse code examination. Technicians also may use their new HF privileges without having to apply for them first. No other license class automatically acquired additional privileges February 23. The "omnibus" rule changes effective last December 15 did not give Technician licensees without Morse code credit any additional privileges either.

Henderson further warns new Techs not to extrapolate additional phone privileges by misconstruing the FCC Part 97 rules to mean something they don't.

"Calls I've been getting lately indicate that some misinformed individuals believe Technicians may operate 'digital voice' on 80, 40 and 15, where they have only CW privileges," he says. "Not true. Digital voice is really digitized voice, and it's not permitted in non-phone band segments."

Henderson reiterates that Technicians do not have FM voice privileges on 10 meters -- or on any other HF band, for that matter.

### *What Techs Do Have on HF*

The HF privileges all Technicians now have are equivalent to those that Novice licensees have enjoyed for years, Henderson notes. "This also means the 200 W maximum power limit still applies, regardless of where you operate in the HF bands," he says. Technicians may operate at up to the legal limit on VHF and UHF, however.

On 10 meters, Technician and Novice licensees have CW, RTTY and data privileges from 28.000 to 28.300 MHz, and CW and SSB privileges from 28.300 to 28.500 MHz. "We're

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## ARRL EMAIL PROBLEMS

ARRL WEBSITE

The ARRL is alerting members -- and especially users of the ARRL E-Mail Forwarding Service -- about bogus e-mails that claim to be from the "arrrl.net user support team." There is no such entity, and the messages do not originate with ARRL but appear to be coming from outside the US. Recipients should not follow the instructions in the e-mail, which reads, "We have received reports that your e-mail account has been used to send a large amount of unsolicited commercial email messages during this week. We suspect that your computer had been infected by a recent virus and now contains a hidden proxy server. We recommend you to follow our instructions in order to keep your computer safe." Following the instructions will have the opposite effect, however, infecting your computer with the MyDoom Trojan worm and making it part of a spamming network. The League urges all members to invest in and use anti-virus software. ❖

## DXCC CHANGES

ARRL WEBSITE

The ARRL has announced some changes in the DXCC, WAS, and VUCC card checking program rules. Effective immediately, the 10-year rule has been dropped for DXCC card checking. ARRL DXCC card checkers now have been authorized to check cards for current entities only, dating back to November 15, 1945. Card checkers still may not verify cards for 160-meter contacts nor cards confirming contacts with deleted entities. In addition, DXCC card checkers now may check applications for Worked All States Award (WAS) and VHF/UHF Century Club Award (VUCC), *if they agree to do so*. For more information, contact DXCC Manager Bill Moore, NC1L. ❖

## PRESIDENT'S CORNER

ANDY GABBERT, KA0TUD

This month I come to you, proud and pleased. I'm proud that so far this year our club has come together, and the attendance of the meetings has doubled, compared to most meetings in the past.

It seems a that light has been turned on, within our group.

The technical committee has been working, to get the JARC North repeater back online; I understand the machine is not really 100 percent complete, but it's in working order, in time for storm season. I feel congratulations are in order to our Technical Committee: Larry Sparks, Wayne Graham, Rob George, and Mark Mitchelson. Jim Scott has also recently joined the committee, and I thank him as well. Please understand, its my understanding the reason for the delay has been in getting the tower climbers here.

A few club members have made a few comments, suggesting that the club needs to be more visible to the public; however, this cannot be done by just having meetings, going out to eat, or talking on the radio. I feel as a club we need to do something, for the public, maybe have an activity that would draw public intrest or possible a newsworthy event.

In May or June we will be having a turn around month, just to mix the meetings up a bit. The first meeting will be a program meeting, and then the second meeting will be the business meeting. I'm attempting to try something new to change the routine and maybe have some fun.

I welcome your comments, pro or con, at anytime; I know the club needs to show their appreciation to the technioal committee, for getting the repeater working. I would also like to thank J C, for the fine job he does, getting this newsletter to us. ❖

*Editor's Note: Thank you, Andy.*

## SECRETARY'S REPORT

MARK MITCHELSON, N0ZPD

Andy Gabbert called the meeting to order; the Secretary's and Treasurer's Reports were read and accepted.

Jim Scott, WB0IYC, reported on the hamfest; Ray Brown, KB0STN, would hold two exam sessions: Friday evening and Saturday morning. Jim also said that the committee might try online registration this year. Jim said that a special email group had been formed for the hamfest committee.

Larry Sparks, N0BHU, said that tower climbers would replace the pigtail in the antenna line, and the cost should be around \$300.

We decided to reverse the program and business meetings later in the year. ❖

## TREASURER'S REPORT

JIM JOHANNES, N0ZSQ

Income during February included 1 dues renewal and interest on the money market account.

Expenses during this time included our quarterly payment to Zimmer Radio Group for the repeater space and utilities.

All of our accounts have balances. ❖

## EDITORIAL POLICY

- 1 Articles are due the first Monday by 4:00PM.
- 2 Submissions may be handwritten, typed, or emailed.
- 3 Readers are welcomed to comment but should focus on the article.
- 4 Buy-Sell-Trade items may be posted for no fee.

All articles are subject to editing. ❖

## KNOW YOUR PRIVILEGES...

(Continued from page 1)

sorry that the sunspots aren't favoring 10 meters at this point in the sunspot cycle, but they will in a few years," Henderson allowed.

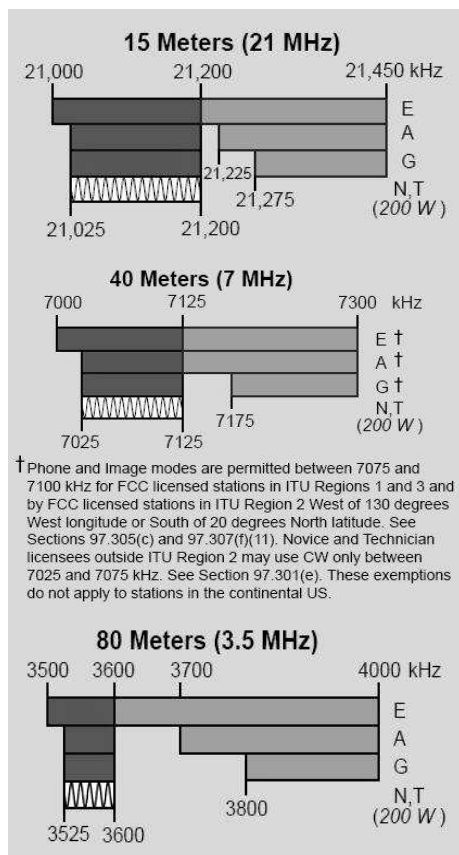
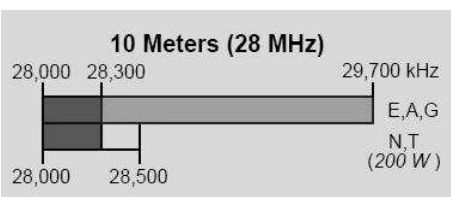
In addition, Technicians and Novices have CW -- and only CW -- privileges on from 3.525 to 3.600 MHz on 80 meters, from 7.025 to 7.125 MHz on 40 meters and 21.025 to 21.200 MHz on 15 meters.

### Hearing is not Having

Hearing SSB signals doesn't necessarily mean the FCC rules permit phone operation in that segment of a band, even if a licensee may operate CW there. "Remember, just because you hear phone signals doesn't mean you have phone privileges there," Henderson said. "Not only do US operator privileges vary on HF, some regions of the world have different phone allocations than ours."

Henderson believes at least some of the confusion may have originated with a few brand-new or inexperienced Technician licensees who heard that the FCC deleted the Morse code requirement to obtain an Amateur Radio license, but paid little attention to the fine print.

"And we all know the devil's in the details," Henderson says. "Remember, the FCC requires you to know where you may and may not operate and with what modes. Stick to the privileges your license allows or risk hearing from the FCC."❖



**Note:**  
 CW operation is permitted throughout all amateur bands except 60 meters.  
 MCW is authorized above 50.1 MHz, except for 219-220 MHz.  
 Test transmissions are authorized above 51 MHz, except for 219-220 MHz

- = RTTY and data
- = phone and image
- = CW only
- = SSB phone
- = USB phone only
- = Fixed digital message forwarding systems only

E = Amateur Extra  
 A = Advanced  
 G = General  
 T = Technician  
 N = Novice

## HAMFESTS

21 April 2007. **Kansas City, MO.** HAMBASH 2007, Ararat Shrine 5100 Ararat Drive. Ararat Shrine ARC  
 Talk-In: 145.13-. Contact: Steve Dowdy, WJØI, 12411 Olive Street, Kansas City, MO 64146. Phone: 816-941-3392. Fax: 816-941-3392.  
 Email: sdowdy@kc.rr.com  
<http://www.hambash.com>

28 April 2007. **Bentonville, AR.** Benton County Hamfest, R.E. Baker Elementary School, 301 NW 3rd Street. Benton County Radio Operators Club.  
 Talk-In: 145.29- (PL 110.9). Contact: Jay Harrison, KC0CNB, 520 North 37th Street, Rogers, AR 72756. Phone: 479-631-7727.

Email: Texgun19@cox.net  
[http://members.cox.net/rwcollins/BCRO\\_Hamfests.htm](http://members.cox.net/rwcollins/BCRO_Hamfests.htm)

29 April 2007. **Clive, IA.** Des Moines Hamfest, 92.5 KJJY Event Center, 2100 NW 100th Street. Des Moines Radio Amateur Association.  
 Talk-In: 146.34/94 (PL 114.8). Contact: Tim Mulvin, WN0IFF, PO Box 36602, Des Moines, IA 50315. Phone: 515-240-7642.

Email: wn0iff@msn.com  
<http://www.qsl.net/dmraa>❖

## KD0GU, SK

Miles Baynes, KD0GU, former club member and Jasper County ARES Emergency Coordinator, died April 3, 2007, at age 86. He was a retired machinist

Miles was a fine operator and very kind person. Dave Ferguson reported on the club's Yahoo board that Miles was cremated without a service.❖

## TODD STORZ: A NAME TO REMEMBER

JOHN TUDENHAM, WOJRP

The name Todd Storz may not be familiar; he was a ham in Omaha, Nebraska, who died in 1964, at age 38, after suffering a stroke.

If you heard Radio station WHB in Kansas City, you knew of Todd Storz.

He was credited of actually saving commercial radio in the late 1940s and early 50s, when it was losing audience fast to television.

It was the fall of 1957 during the peak of the record solar cycle, when my call was K5CYK in Amarillo, Texas, and I was listening on 10 meters one evening. DX from the Pacific was rolling in, and upon tuning around, I heard a weaker flutterly signal of a W0 in Omaha calling CQ. Omaha was well inside of the skip zone, and this propagation was back scatter reflecting back from the F layer which was still open to the west though after dark here. I answered his CQ, and he came back said he copied me. He said he was in Omaha but running his station remote control from the radio station he owned KOWH in Omaha. At that location on top of a hill west of Omaha he had full power 1 KW AM then to a 6 element Yagi, a giant antenna on 10 meters. From his Omaha location with a small 3 element yagi he could hear me, but I was mostly unreadable.

I explained I was only running 100 watts to a John Viking 2 transmitter and a dipole antenna, all AM in those days.

We had a nice short QSO, as he was looking for DX, but he was very friendly. Years later I read the whole Todd Storz success story and realized what he had done to reform radio in a time it was losing audience fast.

It all started in the late 1940s while Todd was in the Army and noticed that the base exchange had the same pop songs were being played in the juke box over and over. He had an idea about

1949 when he got out of the army and returned to Omaha. He told his Dad he had a great idea of a radio station and thought it would work. This was at a time that TV was growing fast.

He talked his Dad, a part owner of the Storz Brewing company, along with brothers, into selling his stock in the company and purchase a 500 watt radio station which was for sale. KOWH was only a 500 watt daytime radio station but on a low frequency of 660kh with good groundwave coverage. His idea was play the top 40 song hits of the day and have news at 55 minutes past the hour; that was 5 minutes before all other stations. He did this before promotions, contests, friendly DJs, and sponsored dances for teenagers became the norm in radio.

His idea worked, and by 1951 his ratings topped all network full power Omaha stations, even 50 KW KFAB. At this time, an article in *Time* magazine caused nationwide broadcasters to take notice, as well as advertising agencies, for he was making more money than any Omaha station. He was credited with inventing the top 40 format, which hundreds of stations followed nationwide.

This was just the beginning. Storz Broadcasting purchased WTIX, New Orleans; WQAM, Miami; WDGY, Minneapolis; and later a real gold mine WHB 710 in Kansas City, which proved to be the most listened to and money maker of all. Ratings in 1955 showed WHB with 47 percent of the Kansas City radio audience—a figure never heard of before.

WHB became known as the “World’s Happiest Broadcasters” and even had an audience in the Joplin area. (Note a few years later in 1959 WMBH here tried to copy them and called themselves “The Merriest Broadcasters Heard.”). Later Storz bought KOMA in Oklahoma City and KXOK in St. Louis with almost equal success.

Todd died suddenly much too young at age 38 in 1964, but the Storz Broadcasting Company carried on, managed by his father.

Todd didn’t do all this alone; he had many people working with him, including Bud Armstrong who later became US Senator from Colorado and also Governor. He also was credited with inventing one of the first radio automation systems used for all night operation at KOMA Oklahoma City. I was told by a fellow I know, Chuck Dann a DJ at KOMA that he would show it to me, but on a visit to KOMA in 1962 Chuck was not on duty, and I was told that Mr. Storz give strict orders that no one be allowed to see it, as he didn’t want to give away any trade secrets.

Other stations at that time had tried simple automation systems with a 45rpm changer at the transmitter site dropping 45s followed by a recorded voice id or jingle every 30 minutes, but Storz’s automated system was something new before the computer age. Only trouble with this is at 3am the station engineer might fall asleep, and sometimes last record would play over and over. That has happened.

Storz sold all their stations sometime in the early 1980s and made one mistake they never ever invested in FM, stations which by 1980 finally started hurting AM stations.

The same thing happened to Broadcasting Associates where I worked, which owned several stations including Tulsa and Amarillo. They sold out in 1979.

That’s the story of another young radio amateur who had great ideas, just like Bob Heil. ❖

# April

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
<i>1</i>	<i>2</i> 6:30PM—VE Testing 7:30PM—Monday Night Net	<i>3</i>	<i>4</i>	<i>5</i> 5:30PM—Thursday Night Out	<i>6</i>	<i>7</i> 9:00AM—Breakfast
<i>8</i>	<i>9</i> 7:30PM—Monday Night Net	<i>10</i> 7:30PM—Program Meeting, "How to QSL," John Tudenham	<i>11</i>	<i>12</i> 5:30PM—Thursday Night Out	<i>13</i>	<i>14</i> 8:00AM—Tailgater, Ewert Park (no club breakfast)
<i>15</i>	<i>16</i> 7:30PM—Monday Night Net	<i>17</i>	<i>18</i>	<i>19</i> 5:30PM—Thursday Night Out	<i>20</i>	<i>21</i> 9:00AM—Breakfast 1:30PM—Neosho Testing
<i>22</i>	<i>23</i> 7:30PM—Monday Night Net	<i>24</i> 7:30PM—Business Meeting	<i>25</i>	<i>26</i> 5:30PM—Thursday Night Out	<i>27</i>	<i>28</i> 9:00AM—Breakfast
<i>29</i>	<i>30</i> 7:30PM—Monday Night Net					

# 2007

Note: W4VEC testing information is on the back page; those with questions should contact Martin Matarazzo, VE Manager.

## Printed Circuit

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### ADDRESS CORRECTION REQUESTED

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#### PRINTED CIRCUIT

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The *Printed Circuit* is the monthly newsletter of the Joplin Amateur Radio Club, a 501-C Non-Profit Corporation.

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### CLUB INFORMATION

**Meetings**

The Club meets on the second and fourth Tuesdays each month, except December. Meetings are held at the Joplin Red Cross (4th and Jackson) and begin at 7:30 PM. All amateur operators welcomed at meetings and other club functions.

**Club Repeaters** - Open for all to use

WØIN - 147.210+ (No tone)

WØIN South - 145.390- (91.5)

**Weekly Net (Mondays at 7:30 PM, 147.210+)**

All operators are welcome to check in the net. ARRL Audio News, ARES, buy-sell-trade, and other announcements are made.

**W4VEC Volunteer Examining Sessions**

On the first Monday of each month, exams are offered at St. Paul's United Methodist Church on W. 26th Street, west of Maiden Lane. Applicants need to bring 2 pencils, 2 forms of ID (including 1 photo ID), and the *original and 2 copies of any current license and/or Certificates of Successful Completion if applicable*. Registration begins at 6:30 PM. For questions, contact Martin Matarazzo, VE Manager, at 623-0298.

**Social Gatherings**

On Saturdays, members gather at Steak n Shake (Hammons Blvd.) for breakfast, beginning at 9:00 AM. On Thursday evenings, members gather at a local restaurant. Check with John Tudenham (624-8058) for location.