



THE COMMUNICATOR



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December 2006

FCC Dumps Morse Code Requirement & Turns Down ARRL Petition For Reconsideration

FCC MODIFIES AMATEUR RADIO SERVICE RULES, ELIMINATING MORSE CODE EXAM REQUIREMENTS AND ADDRESSING ARRL PETITION FOR RECONSIDERATION

Washington, D.C. - Today, the Federal Communications Commission (FCC) adopted a Report and Order and Order on Reconsideration (Order) that modifies the rules for the Amateur Radio Service by revising the examination requirements for obtaining a General Class or Amateur Extra Class amateur radio operator license and revising the operating privileges for Technician Class licensees. In addition, the Order resolves a petition filed by the American Radio Relay League, Inc. (ARRL) for partial reconsideration of an FCC Order on amateur service rules released on October 10, 2006.

The current amateur service operator license structure contains three classes of amateur radio operator licenses: Technician Class, General Class, and Amateur Extra Class. General Class and Amateur Extra Class licensees are permitted to operate in Amateur bands below 30 MHz, while the introductory Technician Class licensees are only permitted to operate in bands above 30 MHz. Prior to today's action, the FCC, in accordance with international radio regulations, required applicants for General Class and Amateur Extra Class operator licenses to pass a five words-per-minute Morse code examination. Today's Order eliminates that requirement for General and Amateur Extra licensees. This change reflects revisions to international radio regulations made at the International Telecommunication

W7ASC ADAW Column

Happy Holidays to all W7ASC volunteers and their families! Its also time again for the C.A.R.L. annual meeting to be held at the Science Center Saturday January 27th. Be sure to mark your calendar.

The Spring 2007 No-Code Tech license class at MCC will start Saturday February 24th. We had 7 students from the Fall class that passed. Congratulations to Glenn, KE7JHH. Greg, KE7JYV, Sam, KE7JYX, Geoff, KE7JZB, Tim, KE7JZC, Jay KE7JZD, and Jonathan (call not in yet).

We finally have the W7ASC license renewed, delayed somewhat due to a root-canal. Not a good idea to wait until the holidays though as it delayed the paperwork.

As always Volunteers are needed for W7ASC! Spread the word at your Ham Club. Call Bob at 480-961-1109 and volunteer now. A Volunteer sign-up page is available at www.w7asc.org

-73 de KG7QJ Bob B.
kg7qj@cox.net 480-961-1109

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SUPERSTITUTION AMATEUR RADIO CLUB
General Meeting Minutes
November 21, 2006

Brian KC5CAY called meeting to order.

Dianne KD7DJE read Treasurer's report. Approved motion by Tony K7AQJ, second by Larry AD7GL.

Myrna KN7M read **minutes**. Amended that "Roster is not on the website. By-laws and Constitution are on the website in a password-protected area. Motion as amended by Gabe WI7GC, second by Judy K7JLF.

Technical committee report by Dan N0FPE.

1. Brian KC5CAY and Dan N0FPE spent about 8 hours scrapping and cleaning, moving cabinets, equipment and rewiring at the Stone Castle. Batteries were installed in the powergate.
2. Construction interference was fixed by raising antenna and construction site dirt piles were lowered. Cleaner signal also resulted by elimination of 4 adapters during rewiring.
3. Current antenna is very old and has been in Arizona weather a long time. But it is still working and a spare antenna is available.

Applause followed the report.

Hamfest report by Ron AJ7T

1. Several have volunteered. Areas are set-up, take-down, food service, raffle ticket sales, collecting vendor space fees, directing large vehicles to Southern area of our space.
2. Free space is available for non-selling, information areas, such as Clubs.
3. Raffle will be for Door prizes (must be present to win). These are donations such as ARRL books. Major prizes (do not need to be present to win) as follows
 - FT817 ND HF/6M/2M/70cm with/60M QRP Radio by Yaesu
 - FT 2800M 2M 65W Mobile Radio
 - VX 15064B 5W 2M HT with 16key 209 memories
 - ICV 8 Sport 2M Handheld with alkaline battery case, AA

drycell

4. Two seminars will be held. APRS presentation when VE testing is done. (Approx 11 AM) Tony K7AQJ presentation when ARCA meeting is over or following the APRS (whichever is first - Approx noon)

Christmas Party report by Gene WA8TSG: Dec. 12 at 6 PM at Old Country Buffet at Superstition Springs (west of Power Rd, on the south side of Southern). Attendees to pay the Senior discount price. The Club will pay the gratuity. Door prizes will be given away.

EOC (Emergency Operation Communications) City of Mesa has requested a contact/liaison person from our Club to the Assistant Chief, Fire Department and 6 or 7 HAM operators. Rich KD7YEV volunteered to be the contact person.

Jacket and Shirt orders will be taken now through the January meeting. A minimum of 12 garments is required. Pay cost at the time of the order. Jackets are \$40.50 and Shirts are \$21.50. Screening onto your own garment in special circumstances is available. Delivery is expected to be at the February meeting.

Amateur Radio **Newsline** Motion for "SARC to send \$100.00 plus any individual contributions to Amateur Radio Newsline" by Larry WB7CRK, second by Terry NK7T passed.

Band changes may occur as soon as Dec.15 was announced by Tony K7AQJ. Discussion followed about the Omni bus codes and the effect on bandwidth, use, and digital modes. Delay probable as response from different users is in process.

HAROLD KD7VK will lead **special event station**. Probably the last weekend in February at the Lost Dutchman Museum. Intend to get W7W again if possible.

Apache Junction **Marathon** will probably be Feb. 11. Our Club usually gets first choice for volunteers.

Thursday net frequency was discussed. Some had hoped to use FM on the usual 28470. FCC rules may not allow that use. Discussion tabled until further information can be obtained.

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Union's 2003 World Radio Conference (WRC-03), which authorized each country to determine whether to require that individuals demonstrate Morse code proficiency in order to qualify for an amateur radio license with transmitting privileges on frequencies below 30 MHz. This change eliminates an unnecessary regulatory burden that may discourage current amateur radio operators from advancing their skills and participating more fully in the benefits of amateur radio.

Today's Order also revises the operating privileges for Technician Class licensees by eliminating a disparity in the operating privileges for the Technician Class and Technician Plus Class licensees. Technician Class licensees are authorized operating privileges on all amateur frequencies above 30 MHz. The Technician Plus Class license, which is an operator license class that existed prior the FCC's simplification of the amateur license structure in 1999 and was grandfathered after that time, authorized operating privileges on all amateur frequencies above 30 MHz, as well as frequency segments in four HF bands (below 30 MHz) after the successful completion of a Morse code examination. With today's elimination of the Morse code exam requirements, the FCC concluded that the disparity between the operating privileges of Technician Class licensees and Technician Plus Class licensees should not be retained. Therefore, the FCC, in today's action, afforded Technician and Technician Plus licensees identical operating privileges.

Finally, today's Order resolved a petition filed by the ARRL for partial reconsideration of an FCC Order released on October 10, 2006 (FCC 06-149). In this Order, the FCC authorized amateur stations to transmit voice communications on additional frequencies in certain amateur service bands, including the 75 meter (m) band, which is authorized only for certain wideband voice and image communications. The ARRL argued that the 75 m band should not have been expanded below 3635 kHz, in order to protect automatically controlled

digital stations operating in the 3620-3635 kHz portion of the 80 m band. The FCC concluded that these stations can be protected by providing alternate spectrum in the 3585-3600 kHz frequency segment.

Action by the Commission on December 15, 2006, by Report and Order and Order on Reconsideration. Chairman Martin and Commissioners Copps, Adelstein, Tate, and McDowell.

For additional information, contact William Cross at (202) 418-0691 or William.Cross@fcc.gov.

WT Docket Nos. 04-140 and 05-235.

FCC -

News and other information about the Federal Communications Commission is available at www.fcc.gov.

MEETING HOUSE

The Superstition Amateur Radio Club Meets at the Mesa Community College, at Southern and Dobson in Mesa.

Our meeting room is in the basement of the Clock Tower, center of Campus.

CALENDAR OF EVENTS

BOARD MEETING

PLACE: VILLAGE INN
POWER ROAD AND MAIN STREETS IN MESA
TIME: 6:30 PM, SECOND TUESDAY OF THE MONTH
DATE: 9 JANUARY 2007

GENERAL MEETING

PLACE: MESA COMMUNITY COLLEGE AT SOUTHERN AND
DOBSON STREETS
ROOM:
TIME: 7 PM, THIRD TUESDAY OF THE MONTH
DATE: 16 JANUARY 2007

VE TESTING

PLACE: MESA UTILITIES OFFICE, 640 NORTH MESA DR.
TIME: 6:00 PM, THIRD MONDAY OF THE MONTH
DATE: 15 JANUARY 2007

FUTURE MEETING LOCATIONS

2006 OFFICERS

President: Mike Swiader, KA9E
Cell: 480-201-1916
Email: grummancheetah@msn.com
Vice Pres.: Brian Romine, KC5CAY
Secretary: Myrna Cross, KN7M
Treasurer: Dianne Hoffman, KD7DJE

Directors: Terry Cross, NK7T
Steve Gurley, KY7W
Jim Hoggard, K7MY
Jonathan Simmonds, KD7VCF
Gene Wilson, WA8TSG

COMMITTEES

Amateur Radio Council of Arizona

Delegate:
Alternate: Myrna Cross, KN7M

Membership Committee

Chmn: Dianne Hoffman, KD7DJE

Web Site Management

Chmn: Larry Kuck, WB7CRK
480-986-2298
Please see <http://wb7tjd.org>

Technical Committee

Chmn Brian Romine, KC5CAY

Communicator

Editor: Rod Bevill, K7RLB
480-839-0057
rodbevill@earthlink.net

Net Control Station

Wednesdays: KG7FA, John
147.12 MHz Repeater at 8:00 PM

Thursdays: (Various)
14.265 MHz at 7:30 PM

Amateur Radio Newslines both nights: Provided by

Classifieds

This space available for advertising items for sell or items wanted to purchase. Also advertise your expertise or the need for help in solving problems. This is limited to Amateur Radio needs.

Who We Are

The Communicator is published monthly by the Superstition Amateur Radio Club, Inc. (SARC), and is e-mailed to all club members.

Please notify the editor if you do not receive your newsletter, have a change of address, or have found an error. Please direct all submissions to the editor.

The SARC generally permits reuse of any article in the Communicator as long as the newsletter and the article's author are credited. However, some articles may be copyrighted by the author. Please contact the editor.

Club Repeater: WB7TJD/R
147.120 MHz(+), 162.2 Hz PL
449.60 MHz(-), 100.0 PL
Club Web Site: www.wb7tid.org

LINKS

[ARRL Southwestern Division](#)
[ARRL Arizona Section](#)
[Arizona Repeater Owners Frequency Coordination Committee](#)
[Tucson Amateur Packet Radio](#)

NEEDED!

We need your article for the Newsletter. Write us about your most embarrassing situation relating to Ham Radio. Send photos as well.

Meeting Minutes (continued)

Pinal County **EOC** needs more help. Contact Gene WA8TSG or PCECG for more information. Meetings are the third Saturday at 10 AM. Old **equipment** on sale by the City of Mesa includes electronic items that may be of interest to HAMs. List is on the City website.

Ballots were distributed to members for annual election. New officers and Board members are as follows:

President	Brian KC5CAY
Vice President	Mary KD7ZBC
Secretary	Jonathan KD7VCF
Treasurer	Gene WA8TSG
Board	

Harold KD7VK
Jeff AD7GK
Judy K7JLF
Larry D7GL

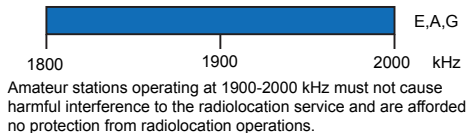
Ray K7RAM
Rob KE7GEL
Terry NK7T

Junk **Auction** followed collection of the ballots. Auctioneer Steve KY7W, assistant Terry NK7T
Meeting **Adjourned**.

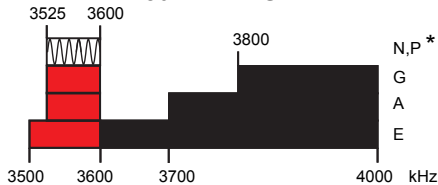
Submitted by Myrna KN7M, Secretary

Effective Date December 15, 2006

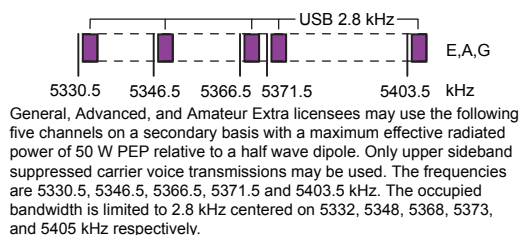
160 METERS



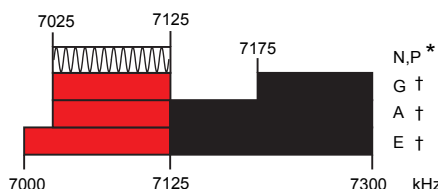
80 METERS



60 METERS

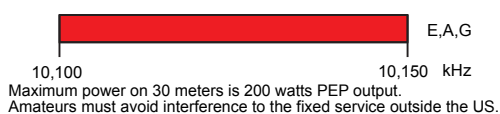


40 METERS

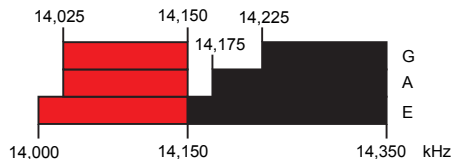


† Phone and Image modes are permitted between 7075 and 7100 kHz for FCC licensed stations in ITU Regions 1 and 3 and by FCC licensed stations in ITU Region 2 West of 130 degrees West longitude or South of 20 degrees North latitude. See Sections 97.305(c) and 97.307(f)(11). Novice and Technician Plus licensees outside ITU Region 2 may use CW only between 7025 and 7075 kHz. See Section 97.301(e). These exemptions do not apply to stations in the continental US.

30 METERS



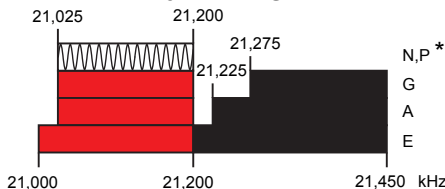
20 METERS



17 METERS



15 METERS



12 METERS



10 METERS



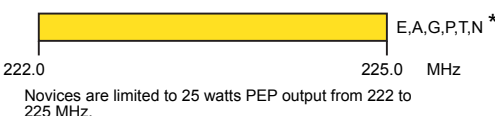
6 METERS



2 METERS



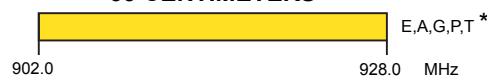
1.25 METERS ***



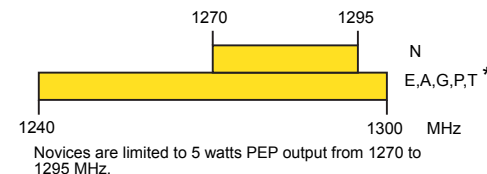
70 CENTIMETERS **



33 CENTIMETERS **



23 CENTIMETERS **



US AMATEUR POWER LIMITS

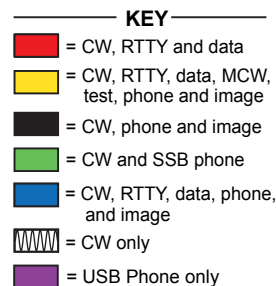
At all times, transmitter power should be kept down to that necessary to carry out the desired communications.

Power is rated in watts PEP output. Unless otherwise stated, the maximum power output is 1500 W.

Power for all license classes is limited to 200 W in the 10,100-10,150 kHz band.

Novices and Technicians are restricted to 200 W below 28.5 MHz.

In addition, Novices are restricted to 25 W in the 222-225 MHz band and 5 W in the 1270-1295 MHz subband.



E = AMATEUR EXTRA
A = ADVANCED
G = GENERAL
P = TECHNICIAN PLUS
T = TECHNICIAN
N = NOVICE

*Technicians who have passed the 5 wpm Morse code exam are indicated as "P".

**Geographical and power restrictions apply to all bands with frequencies above 420 MHz. See *The ARRL FCC Rule Book* for more information about your area.

***219-220 MHz allocated to amateurs on a secondary basis for fixed digital message forwarding systems only and can be operated by all licensees except Novices.

All licensees except Novices are authorized all modes on the following frequencies:

- 2300-2310 MHz
- 2390-2450 MHz
- 3300-3500 MHz
- 5650-5925 MHz
- 10.0-10.5 GHz
- 24.0-24.25 GHz
- 47.0-47.2 GHz
- 76.0-81.0 GHz
- 122.25-123.0 GHz
- 134-141 GHz
- 241-250 GHz
- All above 275 GHz



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