



THE COMMUNICATOR



Volume 6, Issue 8

August 2006

POWER LIMITATION ON THE 70CM BAND IN ARIZONA AND ELSEWHERE

§ 97.313 Transmitter power standards.

- (a) An amateur station must use the minimum transmitter power necessary to carry out the desired communications.
- (b) No station may transmit with a transmitter power exceeding 1.5 kW PEP.
- (c) No station may transmit with a transmitter power exceeding 200 W PEP on:
 - 1. The 3.675–3.725 MHz, 7.10–7.15 MHz, 10.10–10.15 MHz, and 21.1–21.2 MHz segments;
 - 2. The 28.1–28.5 MHz segment when the control operator is a Novice or Technician operator; or
 - 3. (3) The 7.050–7.075 MHz segment when the station is within ITU Regions 1 or 3.
- (d) No station may transmit with a transmitter power exceeding 25 W PEP on the VHF 1.25 m band when the control operator is a Novice operator.
- (e) No station may transmit with a transmitter power exceeding 5 W PEP on the UHF 23 cm band when the control operator is a Novice operator.
- (f) No station may transmit with a transmitter power exceeding 50 W PEP on the UHF 70 cm band from an area specified in footnote US7 to § 2.106 of the FCC Rules, unless expressly authorized by the FCC after mutual agreement, on a case-by-case basis, between the EIC of the applicable field facility and the military area frequency coordinator at the applicable military base. An Earth station or

W7ASC ADAW Column

There are a lot more people out there now who know that Ham Radio operators practice for emergencies that had never heard of field day or ham radio.

Thanks to Rick, KAOKZB, Ralph, KFOR, John, KC7KML, Marvin, NS7T, and Jean, W4CIH for getting W7ASC "on the air" for Field Day. W7ASC operated (2D AZ) with special certificates for the kids. A special Field Day Brochure was generated by the Science Center that explained about Field Day and Amateur Radio participation in emergency communications. A First Class product!

Aside from the regular '2D' operation at the exhibit, we had a special Hospitality table in the main lobby to attract attention with two rigs tuned to field day. Since the lobby is below ground level the "ground wave" propagation did not make for good reception. With the help of the ASC staff we were able to get a wire long enough for some of the traffic on 20M to be heard. But even with a 20 foot wire strung from the second floor balcony (slightly above ground) to the lobby floor reception was barely readable.

Actual contacts were made in the W7ASC Ham Shack. The Ham volunteers made several contacts with the help of the guests and had good traffic most of the day. To bring in a few more guests we had a video Kiosk set up in the hallway showing the ARRL "Amateur Radio Today" video.

Kids are a little shy about getting into the middle of a field day pile up and a contest concept. We did have 10 kids actually make field day contacts. More time was spent explaining the reasons for Field Day and its concept than actually getting on the air.

Before we got started we had a visit from Channel 12 TV News, Ralph Craner made quite a show of explaining our effort. Not very many contact points, but max'd out on the public demonstration allowances. Channel 12 spent about 20 minutes there on Saturday

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**SUPERSTITUTION AMATEUR RADIO CLUB
General Meeting Minutes
July 18, 2006**

Mike KA9E called meeting to order at 19:05

Attendees introduced themselves.

Treasurer's report was read by Diane KD7DJE and approved. Motion Larry AD7GL, 2nd Vinny K7VIN

Minutes of June meeting were read by Myrna KN7M and approved. Motion Larry WB7CRK, 2nd Tony KB7AQJ

Business:

1. SW ARRL 2008 Convention to be held in Arizona. At the Williams Hamfest in July, Mike KA9E, representing the Club, offered a group of volunteers and to share in providing seed money. Seed money to be returned from gross receipts. Portions of the Net proceeds will be distributed based on the hours provided by volunteers. Contact person was Mark N7KKQ from ARCA.

2. Field Day report by Terry NK7T. 11 HAMS and 6 non-HAMS participated. The location was East of Superior at the Baptist Church at "the Top of the World". The Club operated 3A AZ. The land is private property that is good for future use considering fire closures of other nice locations that are in National Forests. Steve KY7W suggested sending the Pastor a thank you letter with an enclosure showing a log of who the Club talked to.

3. Technical Committee report by Brian KC7CAY.

a. The 449.220 and the 147.120 are on continuous link. If you detect any problems, let him know. some minor tweaking is still going on.

b. A possible new site for the repeater or a link at the new St.Luke's Hospital at Crismon and Highway 60 is being investigated. Access and coverage, as well as invitation, are to be checked.

c. Allow 1/2 to 1 second to elapse from keying up the repeater to speaking. This gives time for the linking, etc. to take place so none of your words will be lost.

d. Applause thanking Brian KC5CAY.

4. "Grant World" report by TD N7ISR. The 501c3 application letter came back.

The original 1977 Articles of Incorporation needed amending. This was done, signed by 3 board members/officers and resubmitted to the Arizona Corporation Commission. When it is finalled, it will be sent to the IRS where the rest of the documentation/application has been received. Grant money will be sought after these papers are approved.

5. Hamfest update by Ron KD7FGY. Plan to do same as last year. No entrance fee, raffle tickets available to help defray the costs. Prizes need to be selected. Steve KY7W offered to obtain the main prizes, club budget approximately \$1000. More help is needed at shut down. Shut down committee volunteers are Larry AD7GL, Judy K7JLF and Tony K7AJF. Jim K7MY will get City of Mesa permits. Terry NK7T will work on the public announcing system. Steve KY7W will take care of advertising the Hamfest, such as calling World Radio and others. Everyone, look for door prize deals, offers, coupons, donations. Jo Wilson commented that this will be easier to do when 501c papers are complete.

6. Website report by Larry WB7CRK. He would like comments about the web site, good things, requests, ideas, but especially if you note any mistakes, please let him know. Ken KE4ZWZ has volunteered to help.

Correct E-mail addresses are needed for the direct receipt of the Club newsletter - the Communicator. It is also available the web site.

The program was pictures and commentary of their recent trip by Art W7ART and Diane KD7DJE.

Jim KA7BGY had a dual band radio for sale.

Meeting was adjourned at 21:12

Submitted by

Myrna KN7M

Continued from Page 1

telecommand station, however, may transmit on the 435-438 MHz segment with a maximum of 611 W effective radiated power (1 kW equivalent isotropically radiated power) without the authorization otherwise required. The transmitting antenna elevation angle between the lower half-power (3 dB relative to the peak or antenna bore sight) point and the horizon must always be greater than 10°.

- (g) No station may transmit with a transmitter power exceeding 50 W PEP on the 33 cm band from within 241 km of the boundaries of the White Sands Missile Range. Its boundaries are those portions of Texas and New Mexico bounded on the south by latitude 31° 41¢ North, on the east by longitude 104° 11¢ West, on the north by latitude 34° 30¢ North, and on the west by longitude 107° 30¢ West.
- (h) No station may transmit with a transmitter power exceeding 50 W PEP on the 219-220 MHz segment of the 1.25 m band.

[54 FR 25857, June 20, 1989, as amended at 56 FR 37161, Aug. 5, 1991; 56 FR 3043, Jan. 28, 1991; 60 FR 15688, Mar. 27, 1995]

§ 2.106 47 CFR Ch. I (10-1-04 Edition)

UNITED STATES (US) FOOTNOTES

(These footnotes, each consisting of the letters US followed by one or more digits, denote stipulations applicable to both Government and non-Government stations.)

US7 In the band 420-450 MHz and within the following areas, the peak envelope power output of a transmitter employed in the amateur service shall not exceed 50 watts, unless expressly authorized by the Commission after mutual agreement, on a case-by-case basis, between the

Federal Communications Commission Engineer in Charge at the applicable district office and the military area frequency coordinator at the applicable military base. For areas (e) through (j), the appropriate military coordinator is located at Peterson AFB, CO.

- (a) The entire State of New Mexico and Texas west of longitude 104°00'.West;
- (b) The entire State of Florida including the Key West area and the areas enclosed within a 322-kilometer (200-mile) radius of Patrick Air Force Base, Florida (latitude 28°21'.North, longitude 80°43'.West), and within a 322-kilometer (200-mile) radius of Eglin Air Force Base, Florida (latitude 30°30'.North, longitude 86°30'.West);

(c) The entire State of Arizona;

- (d) Those portions of California and Nevada south of latitude 37°10'.North, and the areas enclosed within a 322-kilometer (200-mile) radius of the Pacific Missile Test Center, Point Mugu, California (latitude 34°09'.North, longitude 119°11'.West).
- (e) In the State of Massachusetts within a 160-kilometer (100-mile) radius around locations at Otis Air Force Base, Massachusetts (latitude 41°45'.North, longitude 70°32'.West).
- (f) In the State of California within a 240-kilometer (150-mile) radius around locations at Beale Air Force Base, California (latitude 39°08'.North, longitude 121°26'.West).
- (g) In the State of Alaska within a 160-kilometer (100-mile) radius of Clear, Alaska (latitude 64°17'.North, longitude 149°10'.West).
- (h) In the State of North Dakota within a 160-kilometer (100-mile) radius of Concrete, North Dakota (latitude 48°43'.North,

- longitude 97°54'.West).
- (i) In the States of Alabama, Georgia and South Carolina within a 200-kilometer (124-mile) radius of Warner Robins Air Force Base, Georgia (latitude 32°38'.North, longitude 83°35'.West).
 - (j) In the State of Texas within a 200-kilometer (124-mile) radius of Goodfellow Air Force Base, Texas (latitude 31°25'.North, longitude 100°24'.West).

and W7ASC was supposed to be on 6 o'clock news. Don't think it made it. Oh, well. The same happened Sunday with Channel 3 spending almost an hour in the W7ASC shack. Ralph had the photographer convinced she needed to get a Ham license! The channel 3 segment was supposed to be on the 5 to 5:30 news but the Diamond Backs game went overtime and the news was abbreviated.

The General license class is scheduled to start July 15th at the Arizona Science Center Boardroom "A". The class will be for 7 Saturdays with Morse Code included. As of this time we have 15 signed up. The next Tech class is planned to start at MCC October 7th.

We continue to need volunteers for W7ASC, especially for this fall after Labor Day! Spread the word at your Ham Club. Call Bob at 480-961-1109 and volunteer now. A Volunteer sign-up page is available at ww.w7asc.org

-73 de KG7QJ Bob B.
kg7qi@cox.net 480-961-1109

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: 8 AUGUST 2006

GENERAL MEETING

PLACE: MESA COMMUNITY COLLEGE AT SOUTHERN AND DOBSON STREETS
ROOM:
TIME: 7 PM, THIRD TUESDAY OF THE MONTH
DATE: 15 AUGUST 2006

VE TESTING

PLACE: MESA UTILITIES OFFICE, 640 NORTH MESA DR.
TIME: 6:00 PM, THIRD MONDAY OF THE MONTH
DATE: 21 AUGUST 2006

FUTURE MEETING LOCATIONS

AUGUST: TBD

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.

2006 HAM EVENTS

September 22-24, 2006

Southwestern Division Convention
San Diego County Amateur Radio Council
Marriott Mission Valley Hotel
Camino Del Rio North
San Diego, CA

COMING NEXT MONTH

**Information and
articles on ATV.**

Weekly Nets

(Updated March 2005)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1800 - AZ Desert 10-10 2000 - ECOM 2100 - 2100 Net	0700 - Coffee Clutch 0900 - West Valley 1930 - Mon Swap 1930 - Smart 2100 - 2100 Net	0700 - Coffee Clutch 0900 - West Valley 1900 - Scottsdale 1900 - SKYWARN 6 1930 - AM 2-meter 2000 - Sheriff Posse 2100 - 2100 Net	0700 - Coffee Clutch 0900 - West Valley 1900 - SKYWARN 2 1900 - Thunderbird 2000 - SARC 2100 - 2100 Net	0700 - Coffee Clutch 0900 - West Valley 1930 - SARC 2100 - 2100 Net	0700 - Coffee Clutch 0900 - West Valley 2100 - 2100 Net	0815 - Mercury 2100 - 2100 Net

NET Definitions

AM 2-meter net	144.45	AM Simplex	7:30 pm MST	Vertical polarized antennas
Az. Desert 10-10	28.445		6:00 pm MST	
Coffee Clutch Net	145.350	-600	7:00 am MST	
Mon Swap Net	146.940	-600	7:30 pm MST	Linked to Smith Peak, Yuma, & San Diego
ECOM Training Net	145.51	Simplex	8:00 pm MST	
ECOM Training Net	147.06	+600	8:00 pm MST	
Mercury Net	146.72	-600	8:15 am MST	
Scottsdale ARC	147.180	+600	7:00 pm MST	
Sheriff Posse Net	448.825	-5.0	8:00 pm MST	
SKYWARN 2	442.80	+5.0	8:00 pm MST	(Sector 2)
SKYWARN 6	146.74	-600	8:00 pm MST	(Sector 6)
Smart Net	147.16	+600	7:30 pm MST	Mt. Lemmon Tucson
Superstition ARC	147.120	+600	8:00 pm MST	
Superstition ARC	14.265		7:30 pm MST	
Thunderbird ARC	146.70	-600	7:00 pm MST	Linked to 446.15
Thunderbird ARC	446.15	-5.0	7:00 pm MST	Linked to 146.70
West Valley Net	147.300	+600	9:00 am MST	
2100 Net	147.360	+600	9:00 pm MST	Mt. Ord & linked to Flagstaff