



THE COMMUNICATOR



Volume 6, Issue 7

July 2006

GENERAL AMATEUR RADIO LICENSE CLASSES WITH MORSE CODE

STARTING Saturday, July 15th 2006,
10AM to 1:00PM
at the Arizona Science Center Boardroom
"A" (600 E. Washington St.-.downtown
Phoenix)

Instructors: Bob Burleson, KG7QJ,
Robert L. Strauss, W7JTR, Rick Checketts,
KAØKZB, Ralph Craner, KVØR

July 15 - August 26 10:00am -
1:00pm

Seven 3-hour Sessions Tuition \$10**
To register call Bob, KG7QJ, at 480-
961-1109 or E-Mail: kg7qj@cox.net.

-Regards, Bob Burleson
kg7qj@cox.net 480-961-1109

W7ASC ADAW Column

The ARRL Field Day is coming (as I write this column) June 24 and 25. W7ASC plans to operate (2D AZ) with special certificates for the kids and additional promotions of Ham Radio: ARRL FD shirts, Ham flyers (the ARRL "Hello" campaign), etc. We plan to have a Video Kiosk set up to show the ARRL "Ham Radio Today" video. More on FD 2006 in the column next month. Hope everyone has a good time for Field Day!

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. If you are interested give me a call at the number below. Look for info and flyers at HRO. The next Tech class is planned to start at MCC October 7th.

I reported last time that we had all of the IBM computers up and ECHOLINK was running. Woops, we need to reinstall the Satellite programs and ECHOLINK. Going from WIN-2000 to XP does not always compute!

We are now on the Summer Hours 10AM to 3PM. School is out. More kids than ever are coming to ASC. This means more wear and tear (especially tear!) on the equipment and code keys. One of our straight keys was smashed twice in one day! Springs, screws, ball-bearings, and other parts were all over the place. Roger, W9NCQ suggested at the Board meeting that we modify the plastic box protecting the code keys so a kid's finger (not a hand) goes in. This should keep the code key from being hammered.

We continue to need volunteers 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

NEW HAM OPERATORS

There was a test on June 19, 2006 and these are the new ham operators

Charles Inmon	ke7ijd
Ashlee Jorgensen	ke7ijc
Heather Jorgensen	ke7ijb
William Rowse	ke7ija
Christina Bartholomew	ke7iiz
Brian Lansford	ke7iij

Submitted by:
Denise Rospapa ab7kg

BOY SCOUT RADIO MERIT BADGE

A Boy Scout Radio Merit Badge class will be held during the Month of August. The class will be led by Rodney Bevill, K7RLB. The emphasis will be on Amateur Radio elective. It is planned to have the young men be prepared for JOTA in October.

It is the desire of the instructor to get interest in the upcoming FALL Tech class at MCC led by Bob Burleson.

SUPERSTITUTION AMATEUR RADIO CLUB
Meeting Minutes
June 20, 2006

Mike KA9E called meeting to order at 19:05

Attendees introduced themselves.

Treasurer's report was read by KA9E and approved. Motion Steve KY7W, 2nd Larry AD7GL

Minutes of the May meeting were read and approved. Motion Larry WB7CRK, 2nd John KC7KML.

Field Day site was discussed with most likely spot being near El Capitan through Globe on the way to Winkleman. Ford KG7IW to confirm with DPS if it is okay to park off road and overnight. Listen to the drive time net at 7 AM for further information.

Motion passed: Club to involve 6-10 members as group of workers for SW ARRL Convention but not as anchor club. Motion: Myrna KN7M, 2nd Harold KD7VK

TD N7ISR reported that 501C are still in process at Corporation Commission. Government money for non-profit use has been significantly cut. The Club goal is to present our function and need to private business. Pictures and anecdotes showing our Club's participation in Emergency Services are needed.

Steve KY7W reported about Federal and Club regulations regarding repeater use and retaining our privileges. A member has been asked to not use our Club's air space due to his behavior on the air that breaks some of these rules.

Byron KD7TLH donated weather use size air balloons. There was discussion of using these for long wire antennas.

Technical Committee: Letter from Neil K9ZSR resigning as Committee chairman was read. Motion passed: Brian KC5CAY to be new Technical Committee Chairman. Motion: Larry AD7GL, 2nd Byron KD7TLH.

Brian KC5CAY gave update on repeater at airport site. Script update on main controller to do auto on/off, kerchunking problem to solve, and a

good replacement antenna for \$350 and up will be needed.

Ron KD7FGY says the crossband system has been dropped for now - just using 20M at about 14260. Frequency will be announced on 147.12 repeater Thursday at 7:30 PM.

Meeting adjourned at 20:45.

Submitted by

Myrna KN7M, interim secretary

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: 11 JULY 2006

GENERAL MEETING

PLACE: MESA COMMUNITY COLLEGE AT SOUTHERN AND
DOBSON STREETS
ROOM:
TIME: 7 PM, THIRD TUESDAY OF THE MONTH
DATE: 18 JULY 2006

VE TESTING

PLACE: MESA UTILITIES OFFICE, 640 NORTH MESA DR.
TIME: 6:00 PM, THIRD MONDAY OF THE MONTH
DATE: 17 JULY 2006

FUTURE MEETING LOCATIONS

JULY: TBD

2006 OFFICERS

President: Mike Swiader, KA9E
Cell: 480-201-1916
Email:
Vice Pres.: Harold Newman, KD7VK
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: Ron Hedtke, AC7MN

Web Site Management

Chmn: Larry Kuck, WB7CRK
480-986-2298
wb7crk@juno.com

Technical Committee

Chmn Brian 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)
28.47 MHz at 7:30 PM

Amateur Radio Newline both nights: Provided by
the net host

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.

2005 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

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or

E-Mail: kg7qj@cox.net.

****Required text "ARRL General Class License Manual", 5th Edition, will be available from the instructors at the first class for \$15. The fee for the FCC Amateur License test is \$14**

Sign up today to get your General class license! Class material is based on the ARRL book "**General Class License Manual**" (5th edition) containing the new General license question pools as of July 1st, 2004

"Hams" with the General class Amateur Radio license have privileges on all Amateur bands. Communicate with other Amateur Operators all over the world! You can operate CW, PSK31, SSB, AM or FM voice (on 10 meters and above), Amateur TV, Packet, Satellite, and many other modes.

Morse code instruction will be available. The General class License requires passing Element 1, the 5 WPM Morse code test. Software to help you learn and practice

the Morse Code will be available at the beginning of the class.

The **General amateur radio license written and code testing session** will be available at **DeVry, Saturday, September 2nd at 8:00 AM**. Other VE testing opportunities will be announced. If you are interested in upgrading to the Amateur General Class license contact Bob, KG7QJ at 480-961-1109 or E-Mail kg7qj@cox.net.

Over for Class outline

General License Class Outline

For more information contact Bob Burleson, KG7QJ, at 480-961-1109 or e-mail at kg7qj@cox.net

Class #1 7/15

Introduction, Radio Frequency Spectrum and Licensing, FCC rules and Regulations, Operating and FCC Regulations, Morse Code characters and how to study the code.

Class #2 7/22

Operating Procedures, Operating Courtesy, Emergency Operations, CW, RTTY, PacTOR, AMTOR, PSK31, HF Operation, Setting up an HF Station

Class #3 7/29

Radio Propagation, Types of Radio Propagation, Critical Frequency, MUF, HF scatter, Solar Flux, HF Beacons, Signals and Emissions

Class #4 8/5

Electrical Principles, Power Amplifiers, Power Measurement, Mobile Operation, Using Test Equipment, RFI, TVI, PEP calculations. Ohm's Law & Resistance calculations, Kirchhoff's laws, AC Voltage, RMS, Impedance, Reactance, Transformers, Power Calculations, dB

Class #5 8/12

Practical Electronics, Circuit Components, Schematic Symbols, Power Supplies, Block Diagrams, Amplifiers, Filters, SSB.

Class #6 8/19

Antennas, Feed Lines, Wave Polarization, Dipole, Vertical and Yagi Antennas, SWR, Antenna Measurements

Class #7 8/26

RF Safety, Safety in the Ham Shack, Electrical Wiring Safety, Station Layout for Safety, RF Rules and Guidelines, Max Permissible RF Exposure, Station RF evaluation.

Test Session Saturday 9/2

Amateur License Testing Session at DeVry, 2149 W. Dunlap 7:45 AM

Amateur License Exam Info:

1 st Sat	DeVry/West Valley	Bob, KA7NPQ	(602) 997-2465
3 rd Mon	AZ DESERT 10-10	Steve, KY7W	(480) 804-1469
4 th Sat	AARC:	Gary, K7GH	(602) 996-8148

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	28.475		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