

# The Communicator

For May 2004

## SUPERSTITION

Amateur Radio Club, Inc

PO Box 1551

Apache Junction, Arizona 85217

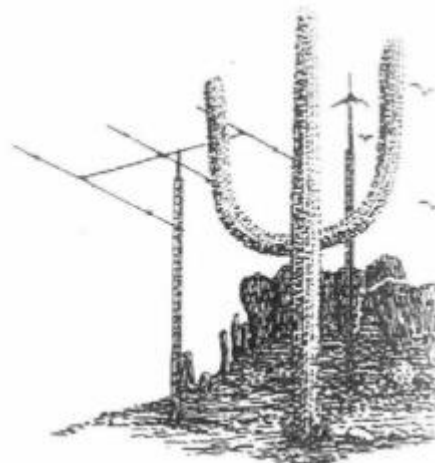
Editors:

Rodney Bevill, K7RLB

Larry Kuck, WB7CRK

**WB7TJD Repeaters**  
**147.12 MHz (+) 162.2**  
**449.60 MHz (-) 100.0**  
**Mesa, Arizona**

**On the Internet:**  
**<http://WB7TJD.org>**



## ARRL CALLS ON WHITE HOUSE TO WITHDRAW SUPPORT FOR BPL

The ARRL action was triggered by statements made by President Bush during an April 26 speech in Minneapolis, MN. During his speech, Bush advocated changing technical standards to encourage BPL deployment in the USA. Responding on behalf of ARRL's membership, President Jim Haynie, W5JBP, told Bush that while the League supports universal and affordable broadband access, BPL is the wrong direction to take.

ARRL Members are encouraged to contact the White House with messages supporting ARRL's position on BPL. Maybe you haven't contacted the White House before, but we're going to make it easy for you to do the right thing.

— ARRL Southwestern Division e-Communicator -  
Special Edition — April 28

## ARCA Scholarship Program Guidelines

The Amateur Radio Council of Arizona scholarship will be funded directly from the ARCA treasury. The amount and number of scholarships to be awarded in any given year will be decided upon by the ARCA board. Scholarships will be awarded at the Saturday night dinner at the Fort Tuthill Hamfest in July.

### General Guidelines

1. Applicant must be a licensed amateur radio operator and a resident of the state of Arizona. A copy of their current license must be attached to the

application form.

2. The applicant must be a current member (or family member) in good standing with an ARCA affiliated club.

3. Applicant must present a letter of recommendation signed by an officer or board member (other than a family member) of an ARCA affiliated club.

4. Applicant should demonstrate on application participation and activity in Amateur Radio.

5. Applicant must be enrolled in or accepted into a university, college, jr. college, technical school, or other such institution of higher learning and must demonstrate such by providing a copy of course schedule, letter of acceptance or other document of proof.

6. Particular course of study is unimportant; however, study of the sciences is preferable.

7. Affiliated clubs may develop particular guidelines as suits their individual preferences.

Mail completed application with all required documentation to:

Amateur Radio Council of Arizona  
Scholarship Program  
16845 N. 29th Ave., #312  
Phoenix, AZ 85053-3041

To be eligible for the 2004 Scholarship, applications **MUST** be received by ARCA by **June 1, 2004**.

## 2004 Officers

President .Ron McKee, KD7FGY .....Cell: 480-510-3025      kd7fgy@aol.com  
 Vice Pres..Rick Willis, K2DLZ  
 Secretary .Rodney Bevill, K7RLB  
 Treasurer..Ron Hedtke, AC7MN  
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               Terry Cross, NK7T  
               Jim Hoggard, K7MY  
               Cynthia Thompson, KD7QZO  
               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: Neil Leverance, K9ZSR. 480-981-8883 .k9zsr@arri.net

### Communicator

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

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: WB7CRK, Larry ..... 147.12 and 28.47 MHz at 7:30 PM

Amateur Radio Newline both nights: Provided by the net host

**COMMUNICATOR** is the official publication of the Superstition Amateur Radio Club, Inc., and is published monthly.

Beginning with the February 1998 issue, this publication is also being made available via Email for use by the blind.

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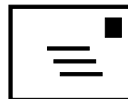
### Submitting articles, classified ads

Please submit articles and Classified Ads by the 25th of the month for inclusion in the next month's issue.

Please submit via Email to:  
rodbevill@earthlink.net

Or typewritten copy preferred, by U.S. Mail to:

Editor  
1358 W. Los Lagos Vista  
Mesa, AZ 85202



## Meeting House

*The 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.*

*Our General Meeting is on the Third Tuesday of the month at 7 PM, May 18, 2004.*

*The Board meets at Peter Piper Pizza, Gilbert and Main, Mesa, NW corner, at 6:30 PM on the second Tuesday, May 11.*

*VE Testing is held at 6 PM on the third Monday at Mesa Utilities Office, 640 North Mesa Dr. May 17*

## **NEW MORSE "@" CHARACTER IS OFFICIAL**

The International Morse code officially gains a new character on May 3. That's when the now-familiar "@" symbol joins the Morse lexicon as the letters "AC" run together (---.). Known as the "commercial at" or "commat," the @ symbol never rose to the level of usage that demanded a unique Morse character until it gained currency as a critical component of e-mail addresses during the past decade or so.

—The ARRL Letter Vol. 23, No. 18

## **SARC Meeting Room Changes**

The meeting room for the Superstition Amateur Radio Club will be different each month for the next four (4) months. The rooms will be as listed below for the given dates.

May 18                      Staff Lounge

Staff Lounge located in Clock Tower building on first floor directly across from information desk.

## **The R-S-T System**

### **Readability**

- 1 - Unreadable
- 2 - Barely readable, occasional words distinguishable.
- 3 - Readable with considerable difficulty.
- 4 - Readable with practically no difficulty.
- 5 - Perfectly readable.

### **Signal Strength**

- 1 - Faint signals, barely perceptible.
- 2 - Very weak signals.
- 3 - Weak signals.
- 4 - Fair signals.
- 5 - Fairly good signals.
- 6 - Good signals.
- 7 - Moderately strong signals.
- 8 - Strong signals.
- 9 - Extremely strong signals.

### **Tone**

- 1 - Sixty-cycle ac or less, very rough and broad.
- 2 - Very rough ac, very harsh and broad.
- 3 - Rough ac tone, rectified but not filtered.
- 4 - Rough note, some trace of filtering.
- 5 - Filtered rectified ac but strongly ripple-modulated.
- 6 - Filtered tone, definite trace of ripple modulation.
- 7 - Near pure tone, trace of ripple modulation.
- 8 - Near perfect tone, slight trace of modulation.
- 9 - Perfect tone, no trace of ripple or modulation of any kind.

If the signal has the characteristic steadiness of crystal control, add the letter x to the RST report. If there is a chirp, the letter c may be added to so indicate. Similarly for a click, add k. This reporting system is used on both CW and voice, except that the "tone" report is left out onvoice.

## **HAM RADIO TRIVIA**

Which is the power spectral density of noise in a resistor R

- A    4KTRB
- B    KT
- C    KTB
- D    KB

When calibrating true north on your antenna rotator with a compass, in which state would you most likely not to have to worry about magnetic declination?

- A    Texas
- B    Alaska
- C    Ohio
- D    Wisconsin

Amateur Radio Field Day was first held in what year

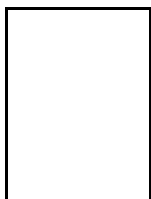
- A    1929
- B    1933
- C    1936
- D    1939

Canadian Amateurs have to identify themselves as often as American operators.

- A    True
- B    False



First Class Mail  
(Air Mail / Par Avion)  
Printed Matter



**May 2004**  
PO Box 1551  
Apache Junction, AZ 85217-1551



### ***HAMFest***

**June 5-6:**

Kachina ARC in Show Low.

**July 2-4:**

Arizona State Hamfest, at the Williams, Arizona Rodeo Grounds

There is talks of trying to plan a new Hamfest for Yuma.

### ***Newsline Scripts found on WB7TJD.org***

Check there if you miss a week's report or need a Web address.

### ***HAM RADIO TRIVIA ANSWERS***

KT is Correct.  $4KTRB$  represents the mean square value of noise voltage.  $KT B$  represents the power dissipated in resistive load. Now, if you divide  $KT B$  by the bandwidth  $B$  you obtain the power spectral density.  $K$  is the Boltzmann constant,  $T$  is the absolute temperature,  $B$  the equivalent noise band.

The zero degree line of magnetic declination currently passes through the state of Wisconsin. Magnetic north is equal to true north along this line.

The First Field Day Contest was held in 1933. Most Amateurs consider Field Day to be the premier contest of the year!

Canadian operators must ID at the beginning, end, and every thirty minutes during a QSO.