



# THE COMMUNICATOR



Volume 5, Issue 3

March 2005

## Amateur Radio Spectrum Protection Act of 2005 Introduced

At the urging of the ARRL, Rep Michael Bilirakis (R-FL) has introduced The Amateur Radio Spectrum Protection Act of 2005 into the US House of Representatives. The bill, designated HR 691, has been referred to the House Energy and Commerce Committee where Bilirakis serves as vice chairman. Like previous versions of the proposal, the current measure would require the FCC to provide "equivalent replacement spectrum" to Amateur Radio if the FCC reallocates primary amateur frequencies, reduces any secondary amateur allocations, or makes additional allocations within such bands that would substantially reduce their utility to amateurs.

ARRL President Jim Haynie, W5JBP, says the legislation "is vital for ensuring that the Amateur Radio Service, the only 100-percent fail safe emergency

Continued on Page 2

## W7ASC ADAW Column

Congratulations to Pearl Mahar, KD7TAS, (a volunteer at W7ASC). She was on the team that won the Future City competition in Phoenix on January 22nd, 2005. The competition challenges teams of 7th-8th graders to design a city using SimCity software, write 2 essays, build a scale model of a part of their city and give presentations before panels of engineer judges. Pearl and her fellow homeschooled team-mates Traci Sepp and Ellen Rutter (daughter of Mark Rutter, KD7YMG) went to Washington D.C. in February for the national level Future City competition, tied in with National Engineers Week. They were accompanied by their engineer mentor Art Kerschen and their teacher (also a W7ASC volunteer) Chris Mahar, KB7UPR.

In Washington, Pearl's team win another award from NASA for best use of information technology in their future city. They also placed 7th in the nation at the National Engineers Week Future City Competition last week in Washington D.C. Photos are on the [www.w7asc.org](http://www.w7asc.org) web page.

Don't forget Adult Nite, 5:00PM to 8:30PM, at the Science Center (1st Friday of every month). Stop on by and say "Hi" to the W7ASC Hams. More info on the "Adult Nite" programs is at

<http://www.azscience.org/visit/events.html>

The "NO-CODE" AMATEUR RADIO LICENSE CLASSES for Spring 2005 is underway with 11 students. If you are interested in a General License class this summer (at the Science Center) please contact me. So far we have about 8 that are interested.

We still need new volunteers! Please 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](http://www.w7asc.org)

-73 de KG7QJ Bob B.  
[kg7qj@cox.net](mailto:kg7qj@cox.net) 480-961-1109

## INSIDE THIS ISSUE

- 1 Amateur Radio Spectrum Protection Act of 2005 Introduced
- 1 W7ASC ADAW Column
- 2 2005 HAM Events
- 3 Club Details
- 4 Q It Up

*Continued from Page 1*

communication capability, remains a viable public safety option.'

HR 691 references Amateur Radio's role in providing 'voluntary, noncommercial radio service, particularly emergency communications,' and it points out that hams have 'consistently and reliably' provided communication support in the event of emergencies and disasters including tornadoes and hurricanes, chemical spills, forest fires and rail accidents. As the measure notes, FCC actions already have led to the loss of at least 107 MHz of spectrum to radio amateurs.

Rep Roscoe Bartlett (R-MD) has signed on as the bill's first co-sponsor.

Efforts now will focus on attracting additional cosponsors for the legislation. The League is encouraging members to urge their congressional representatives to sign aboard HR 691. More than 100 lawmakers agreed to cosponsor similar legislation in the 108th Congress, where it was designated HR 713. Work is proceeding to have identical legislation introduced in the US Senate.

The text of HR 691 is available on the Government Printing Office Web site

[http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109\\_cong\\_bills&docid=f:h691ih.txt.pdf](http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=109_cong_bills&docid=f:h691ih.txt.pdf).

(ARRL News Service)

---

## **Upcoming Superstition ARC Programs for 2005**

**MARCH 15**

Don W8AD on Alpha-Delta/Antennas

**APRIL 19**

Spring Junque Auction

## **2005 HAM EVENTS**

**March 12, 2005**

Springfest Hamfest - Scottsdale, AZ  
Scottsdale Community College - Loop 101 and Chaparral Rd.  
Sponsored by Scottsdale Amateur Radio Club  
ARCA Meeting 11:00 AM

**April 16, 2005**

DeVry Institute Hamfest -

**May 7, 2005**

Sierra Vista Hamfest  
Club Site on Moson  
Sponsored by Cochise Amateur Radio Assoc.  
ARCA Meeting 11:00 AM.

**May 20, 21 & 22, 2005**

**Dayton Hamvention**  
Hara Arena, Dayton, Ohio  
Sponsored by Dayton Amateur Radio Association  
[www.hamvention.org](http://www.hamvention.org)

**July 8 -10, 2005**

ARCA/Williams State Convention &  
Williams Rodeo Grounds, 800 Rodeo  
Sponsored by Amateur Radio Council of AZ (ARCA)  
Commercial Bldg opens Noon on  
ARCA Meeting 4:00 PM. including election of Officers

**September 9-11, 2005**

ARRL S.W. Division  
Riverside Convention Center, Riverside,  
Sponsored by Inland Empire  
Convention  
Flyers in PDF Format)swdivconvention.zip D/L Size 1.

## 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: PETER PIPER PIZZA, AT THE CORNER OF GILBERT AND MAIN STREETS IN MESA  
TIME: 6:30 PM, SECOND TUESDAY OF THE MONTH  
DATE: 8 MARCH 2005

### GENERAL MEETING

PLACE: MESA COMMUNITY COLLEGE AT SOUTHERN AND DOBSON STREETS  
ROOM: KIVA – BASEMENT AT CLOCK TOWER  
TIME: 7 PM, THIRD TUESDAY OF THE MONTH  
DATE: 15 MARCH 2005

### VE TESTING

PLACE: MESA UTILITIES OFFICE, 640 NORTH MESA DR.  
TIME: 6:00 PM, THIRD MONDAY OF THE MONTH  
DATE: 21 MARCH 2005

## FUTURE MEETING LOCATIONS

APRIL: KIVA ROOM  
MAY: KIVA ROOM  
JUNE: KIVA ROOM

## 2005 OFFICERS

President: Cynthia Thompson, W8SPU  
Cell:  
Email:  
Vice Pres.: Bob Burleson, KG7QJ  
Secretary: Rodney Bevill, K7RLB  
Treasurer: Ron Hedtke, AC7MN  
Directors: Terry Cross, NK7T  
Jim Hoggard, K7MY  
Harold Newman, KD7VK  
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

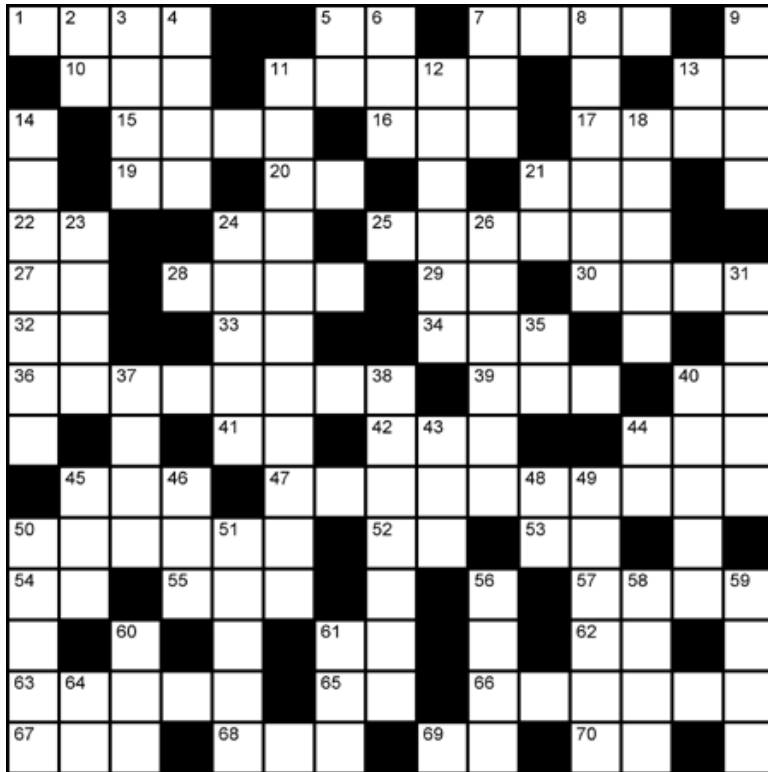
Chmn Neil Leverance, K9ZSR  
480-981-8883  
k9zsr@arrl.net

### 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



# "Q it Up"

By  
H. Ward Silver, N0AX  
February 28, 2005

This time, a devilish turnabout. I give you the Q-signal and you find the word associated with the Q-signal that completes the puzzle! Some of these you'll have to look up, no doubt, but that's all part of the fun. Don't QRT early, QSL?

## Down

2. Conjecture
3. QTC
4. Qualifier for license
5. Prefix of our southern neighbor
6. Furry pet
7. Opposite wiring from delta
8. QTA
9. QRL
11. QRK
12. Holdups in project completion
13. Opposite of NS
14. QSL
18. Mistake
21. Light (abbr.)
23. Exhibit
24. Places to sit in the shack
26. QRS
31. Place inside of
35. What the librarian says
37. QRT
38. QRU
40. QSK
43. Needs a control
44. CW prosign for end of message
45. Wager
46. Business end of the tower
48. Between inch and yard (abbr.)
49. QNX
50. QSP
51. It pours when it does this
56. QCX
58. Prefix meaning opposite
59. Very long time
60. Agency that registers tall towers (abbr.)
61. Collections of parts to build equipment
64. Companion to Si (chemical symbol)

## Across

1. QTR
5. Capacitive Reactance (symbol)
7. Percussive maintenance
10. Image transmission mode
11. QRV
13. First World continent (abbr.)
15. QRA
16. Joins three cables
17. QUA
19. Opposite of 29 Across (abbr.)
20. At right angles to elevation (abbr.)
21. Three basic component types (abbr.)
22. Non-volatile rotating storage (abbr.)
24. MN on the east, MT on the west (abbr.)
25. QRQ
27. Professional electronic designer (abbr.)
28. QSN
29. Opposite of 19 Across (abbr.)
30. Zone of antenna radiation
32. Internet messaging (abbr.)
33. Bias class
34. CW distress
36. QTH
39. QRZ
40. Small spherical shot
41. Add D to get broadband data
42. The loneliest number
44. If I am, you ...
45. Slang for robot
47. QRM
50. QNI
52. British abbreviation for high voltage
53. Transmit (abbr.)
54. Cetera
55. What the piper gets
57. Have this and eat it, too
61. CW prosign meaning standing by for only one station
62. Organization that issues 4U prefixes (abbr.)
63. QRX
65. Grid current (symbol)
66. QSX
67. All those in favor
68. National emergency test (abbr.)
69. Trade name for CTCSS tones
70. Prefix of the Emerald Isle

## Classifieds

### Scouts' Computer Swap Meet

Hours: 5AM to 12 noon, 3rd Sunday of every month at Scottsdale Community College, 9000 E. Chaparral Drive, Scottsdale. Phone: 480-752-7444

Free admission, parking \$3. Offering include a variety of software, hardware, computer accessories, and tools for sale. Proceeds benefit local Boy Scout Troops Web Site:

<http://www.scoutscomputerswapmeet.com/>

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.

## LINKS

[ARRL Southwestern Division](#)

[ARRL Arizona Section](#)

[Arizona Repeater Owners Frequency Coordination Committee](#)

[Tucson Amateur Packet Radio](#)

### NEW QST COLUMN AIMS TO TAKE MYSTERY OUT OF MODERN HAM GEAR

A new QST column, "Getting to Know Your Radio" debuts in the April edition of QST. Author and ARRL Product Review Editor Joel Hallas, W1ZR, says the column "basically talks about what all those knobs do" on modern equipment.

"The idea is to acquaint users with the typical features of modern radios." Hallas says there was a time when radio receivers were pretty easy to understand--in some cases not all that much

different from the broadcast set in the kitchen or living room--so most new amateurs could quickly learn their way around the front panel. It's a new world now.

"It's fair to say that modern transceivers have come a long way since the boat anchors of the 1950s and earlier," he says.

"Many transceiver makers seem to sell their wares by claiming the most and newest features." As a result, modern ham transceivers can be pretty intimidating, making operation daunting for newcomers and veterans alike.

The first installment

## 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](http://www.wb7tid.org)

## NEEDED!

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

of "Getting to Know Your Radio" will cover the now-popular--and common--passband tuning feature. Hallas says a column on audio compression systems is in the works.

The ARRL Letter  
Vol. 24, No. 10  
March 11, 2005

# 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