



River City ARCS

River City Amateur Communications Society



June 2006

Volume 30, Number 04

CLUB INFORMATION

DUES: \$20.00 Per year
ADDRESS: PO Box 215073, Sacramento CA 95821
MEETINGS: Membership meetings are generally held on the first Tuesday of each month, 7:30 P.M., at the Sacramento County Corporation Yard, corner of Don Julio and Elkhorn Blvds. Board of Directors meetings are held the fourth Tuesday at 7:00 pm. All members are welcome. Contact a board member for location.

2006 OFFICERS AND COMMITTEES

Board of Directors

President	Gary Hayes, KG6SMX	(916) 348-7859
E-mail:	kg6smx@sbcglobal.net	
Vice President	Don Kunkel, KE6GMJ	(916) 967-1343
E-mail:	don_kunkel@hotmail.com	
Secretary	Glenn Gleason, KG6LRX	(916) 480-0862
E-mail:	gleasong@surewest.net	
Treasurer	Paul Grose, KG6KPV	(916) 427-5676
E-mail:	pgrose@pacbell.net	
Membership	Chuck Freas, W6FT	(916) 332-0927
E-mail:	cmfreas@sbcglobal.net	
Directors:		
1 year Term	Bob Balthrope, KD6WTY	(916) 682-9871
E-mail:	kd6wty@yahoo.com	
1 year Term	Andrew Stephens, W6AWS	(916) 721-4636
E-mail:	awstephens@surewest.net	
2 year Term	Dale Hankins, AD6CT	(916) 925-1062
E-mail:	ad6ct@arrl.net	
2 year Term	Ken Hall, WO6J	

Appointments:

VE Liaison	Ken Hall, WO6J	
N6NA Trustee	Dane Westvik, KO6YD	(916) 728-5965
Training	Bob Balthrope, KD6WTY	(916) 682-9871
E-mail:	kd6wty@yahoo.com	
Editor	Glenn Gleason, KG6LRX	(916) 480-0862
E-mail:	gleasong@surewest.net	
Sound	Paul Grose, KG6KPV	(916) 427-5676
E-mail:	pgrose@pacbell.net	
Sales	Mary Ann Balthrope, KE6EST	(916) 682-9871
E-mail:	ke6est@lanset.com	
Field Day	Chuck Freas, W6FT	(916) 332-0927
E-mail:	cmfreas@sbcglobal.net	
	Andrew Stephens, W6AWS	(916) 721-4636
E-mail:	awstephens@surewest.net	
Swap Meet	Need volunteer	
Picnic Chair	Need volunteer	

Club Phone (Messages): (916) 492-6115

Web Site: www.n6na.org

E-mail: n6na@arrl.net

N6NA Repeaters

145.250 MHz (-162.2)

442.600 MHz (+100) (Out of Service)

Club Net - Members and Guests

Check In on 145.250 MHz

at 8:00 P.M. Wednesdays

2006 SCHEDULE OF EVENTS

Mark your calendars

NOTE CHANGE IN MEMBERSHIP MEETING DATES FOR JUNE AND JULY

Membership Meetings: Jul 5 (Wed); Aug 1; Sep 5; Oct 3; Nov 8 (Wed); Dec 5

Board Meetings: Jul 25; Aug 22; Sep 26; Oct 24; Nov 28; Dec 26

Picnic: To be announced

Swap Meet: To be announced

Christmas Party: To be announced

AND NOW

THE REST OF THE STORY

Come and join your fellow members at our next membership meeting on Wednesday Jul 5 (Note Day Change due to July 4th Celebrations) at the County Building corner of Don Julio and Elkhorn Blvd.

Vice President Don has made arrangements with our own Norm Brooks to continue sharing with us his adventures in amateur radio, etc.

The officers look forward to your attendance and participation.

VOLUNTEERS NEEDED

The club is looking for volunteers to handle the arrangements our annual Club picnic and also to chair the Swap meet. In addition we will need participants to assist in the various functions (tickets, club table, refreshments, etc.) at the swap meet.

Assistance could also be used in arranging the annual Christmas Party.

Contact President, Gary, KG6SMX, if you are willing to help.

VE SESSIONS

Every third Saturday, except October at Carmichael Elks Lodge, Cypress and Hackberry in Carmichael, CA. River City ARCS holds a VE Session

At the last session held on June 17 they had 8 candidates - 5 passed their Technician and 1 became a General

Next Sessions will be held July 15, 2006, August 19, 2006 and September 16, 2006
Open 8:30 AM - Closed at 9:30 AM
(Walk-Ins Only)

VE liaison Ken Hall, WO6J

Following is a list of other local VEC test location and contact information:

July 9, 2006 - Granite Bay

Larry Hodge (916) 361-2476

(In June they passed 3 new Technicians, 3 new generals and 2 passed the general written but do not have the code.)

July 15, 2006 - Stockton

Thomas Zane (209) 369-0859

(No Walk-Ins - Register 2 Days Prior)

July 15, 2006 - Yuba City

Eddie Ansely (530) 742-2674

HAVE YOU CHECKED IN YET?

One benefit of club membership is participation in the club activities. One of those activities is the weekly net being held on the club repeater.

You need to set your radio to 145.250 with a minus offset and PL 162.2

Having done this then tune in at 8:00 PM on Wednesday and check in.

Note: Due to change in meeting dates their will not be a net on July 5

MEET YOUR TREASURER PAUL GROSE KG6KPV

I moved to Lodi, California, with my parents from a little obscure town in Southwestern Oklahoma in 1943. While in High School I became interested in radio and electronics. I just couldn't pass the code requirement so, my interest in becoming a Ham fell by the wayside until my retirement. In 2002 I enrolled in a class being taught by River City ARCS' own Bob Balthrope (KD6WTY) and was successful in getting

my Technician License. After three attempts, I still haven't passed the code!

Upon graduation from High School in 1952 I went to work for a national grocery chain. Because I was single, it was easy for the company to move me about the state. I was sent to the little delta town of Rio Vista where I met my wife (Jeff) of 51 years. Jeff and I have two daughters and six grandchildren. We hated the hours and irregular shifts of the grocery business, so Jeff encouraged me to enroll in college and try another line of work. Upon graduation from Sacramento State College with my new degree in Accounting I went to work for the State Franchise Tax Board as a Tax Auditor. Twenty-six years later, after many interesting assignments, I retired as an administrator.

It is great to be able to once again pursue my interest in Ham Radio. It is a great hobby and the folks I have met are the best! Always willing to help with whatever dumb question I have. And, just so you know, I am still working on the code. Who knows, I may pass it before they abolish it.

TEST YOUR KNOWLEDGE

The following questions have been taken from the Exam Pools for the Technician, General and Extra Exams. Reference and answers are at the end of the questions

- 1- What should you transmit when responding to a call of CQ?
 - A. Your own CQ followed by the other station's callsign
 - B. Your callsign followed by the other station's callsign
 - C. The other station's callsign followed by your callsign
 - D. A signal report followed by your callsign
- 2-For which of the following applications might you use a field strength meter?
 - A. Close-in RDF work
 - B. A modulation monitor for a frequency or phase modulation transmitter
 - C. An overmodulation indicator for a SSB transmitter
 - D. A keying indicator for a RTTY or packet transmitter
- 3-What is the principle advantage of liquid-crystal display (LCD) devices?
 - A. They consume low power
 - B. They can display changes instantly
 - C. They are visible in all light conditions
 - D. They can be easily interchanged with other display devices
- 4-What type of messages may be transmitted to an amateur station in a foreign country?
 - A. Messages of any type
 - B. Messages that are not religious, political, or patriotic in nature
 - C. Messages of a technical nature or personal remarks of relative unimportance
 - D. Messages of any type, but only if the foreign country has a third-party communications agreement with the US

5-In what segment of the 20-meter band are most PSK31 operations found?

- A. At the bottom of the slow-scan TV segment, near 14.230 MHz
- B. At the top of the SSB phone segment, near 14.325 MHz
- C. In the middle of the CW segment, near 14.100 MHz
- D. Below the RTTY segment, near 14.070 MHz

6-What is the sunspot number?

- A. A daily index of sunspot activity
- B. The number of sunspots observed during one solar rotation
- C. The number of sunspots observed during a sunspot cycle
- D. The number of sunspots observed averaged over a seven day period

7-What advantage does a logic probe have over a voltmeter for monitoring the status of a logic circuit?

- A. It has many more leads to connect to the circuit than a voltmeter
- B. It can be used to test analog and digital circuits
- C. It can read logic circuit voltage more accurately than a voltmeter
- D. It is smaller and shows a simplified readout

8-What are the frequency segments within the 10-meter band for phone emissions?

- A. 28000 - 28300 kHz
- B. 29000 - 29700 kHz
- C. 28300 - 29700 kHz
- D. 28000 - 29000 kHz

9-Which of the following can cause receiver desensitization?

- A. Audio gain adjusted too low
- B. Strong adjacent-channel signals
- C. Audio bias adjusted too high
- D. Squelch gain adjusted too low

10-What determines the velocity factor in a transmission line?

- A. The termination impedance
- B. The line length
- C. Dielectrics in the line
- D. The center conductor resistivity

11-What is the longest period of time an amateur station can operate without transmitting its call sign?

- A. 5 minutes
- B. 10 minutes
- C. 15 minutes
- D. 30 minutes

12-When must an amateur station have a control operator?

- A. Only when training another amateur
- B. Whenever the station receiver is operated
- C. Whenever the station is transmitting
- D. A control operator is not needed

13-What is the best reason to place a protective fence around the base of a ground-mounted transmitting antenna?

- A. To reduce the possibility of persons being exposed to levels of RF in excess of the maximum permissible exposure (MPE) limits
- B. To reduce the possibility of animals damaging the antenna
- C. To reduce the possibility of persons vandalizing expensive equipment
- D. To improve the antenna's grounding system and thereby reduce the possibility of lightning damage

14-What does 60 hertz (Hz) mean?

- A. 6000 cycles per second
- B. 60 cycles per second
- C. 6000 meters per second
- D. 60 meters per second

15-What is the amateur station activity known as fox hunting?

- A. Attempting to locate a hidden transmitter by using receivers and direction-finding techniques
- B. Attempting to locate a hidden receiver by using receivers and direction-finding techniques
- C. Assisting government agents with tracking transmitter collars worn by foxes
- D. Assembling stations using generators and portable antennas to test emergency communications skills

16-Which of the battery types listed below offers the longest life when used with a hand-held radio, assuming each battery is the same physical size?

- A. Lead-acid
- B. Alkaline
- C. Nickel-cadmium
- D. Lithium-ion

17-What is the peak voltage at a common household electrical outlet?

- A. 240 volts
- B. 170 volts
- C. 120 volts
- D. 340 volts

18-What is the maximum transmitting power an amateur station may use on 3690 kHz?

- A. 200 watts PEP output
- B. 1000 watts PEP output
- C. 1500 watts PEP output
- D. The minimum power necessary to carry out the desired communications, with a maximum of 2000 watts PEP output

19-Why are the string of letters R and Y (sent as "RYRYRYRY...") occasionally used at the beginning of RTTY or other data transmissions?

- A. This allows time to 'tune in' a station prior to the actual message being sent
- B. To keep these commonly-used keys functional
- C. These are the important mark and space keys
- D. To make sure the transmitter is functional before sending a message

20-What is connected between the transceiver and computer terminal in a packet radio station?

- A. Transmatch
- B. Mixer
- C. Terminal Node Controller
- D. Antenna

Question Pool Reference (T=Technician; G=General; E=Extra)

1-T3A04; 2-G4B11; 3-E6D17; 4-G2E01 [97.117]; 5-G8B11; 6-G3A10; 7-E4A08; 8-G1A11 [97.305c]; 9-E4C03; 10-E9E07; 11-T2B06 [97.119(a)]; 12-T2C05 [97.7]; 13-G0D03; 14-T4B03; 15-E4E11; 16-T4C06; 17-E8A08; 18-G1C01 [97.313c1]; 19-G2F06; 20-T5A08

ANSWERS:

(A): 20-(C)
11-(B); 12-(C); 13-(A); 14-(B); 15-(A); 16-(D); 17-(B); 18-(A); 19-
1-(C); 2-(A); 3-(A); 4-(C); 5-(D); 6-(A); 7-(D); 8-(C); 9-(B); 10-(C);