



River City ARCS

River City Amateur Communications Society



May 2006

Volume 30, Number 03

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: Jun 7 (Wed); Jul 5 (Wed); Aug 1; Sep 5; Oct 3; Nov 8 (Wed); Dec 5

Board Meetings: May 23; Jun 27; Jul 25; Aug 22; Sep 26; Oct 24; Nov 28; Dec 26

Field Day: Sat, Jun 24 - Sun, Jun 25

Picnic: To be announced

Swap Meet: To be announced

Christmas Party: To be announced

ARE YOU MISSING OUT!!!

Come and join your fellow members at our next membership meeting on Wednesday Jun 7 (Note Day Change due to General Election) at the County Building corner of Don Julio and Elkhorn Blvd.

Vice President Don, KE6GMJ, has arranged for some very good presentation at the past few meeting and he promises that this meeting will also be interesting.

It will feature a presentation by a retired CHP Assistant Chief who is currently employed by FEMA and has been deployed over 40 throughout the world. He will discuss FEMA for about 3/4 of an hour followed by questions.

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.

RIVER CITY ARCS VE SESSIONS

Every third Saturday, except October at
Carmichael Elks Lodge, Cypress and Hackberry
in Carmichael, CA.

Next Sessions will be held June 17, 2006 and
July 15, 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:

June 3, 2006 - Granite Bay

Larry Hodge (916) 361-2476

June 4, 2006 - Napa

Richard Rau (707) 585-6276

June 17, 2006 - Stockton

Thomas Zane (209) 369-0859

(No Walk-Ins - Register 2 Days Prior)

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 June 7 or July 5**

MEET YOUR SECRETARY GLENN GLEASON KG6LRX

Glenn was raised in the Bay Area and moved to Sacramento when he started his career with the State of California as an auditor in the Department of Food and Agriculture. While working for the Department he was drafted and upon completion of basic training was assigned to duties at the Edgewood Arsenal in Maryland. There he met his future brother-in-law and through him meet his wife Joan who was in Michigan.

While in the service they were married and upon completion of his tour of duty Joan and Glenn returned to Sacramento to resume his career with the California Department of Food and Agriculture.

They adopted two children, Paul and Kristine who are adults also currently residing in Sacramento. They also have one grandson and one granddaughter also in Sacramento.

Glenn retired from the State after 43 years of service, however he is also an enrolled agent which authorizes him to represent taxpayers with the Internal Revenue Service in his continued tax practice which he has also maintained over the last 45 years.

In addition to his tax practice, Glenn also does some consulting for the Dairy Industry with which he was involved during his tenure at the Department of Food and Agriculture. Glenn and Joan enjoy traveling and visiting historical places of interest.

Glenn received his Technician license in 2002 and has enjoyed the activities associated with being a ham.

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-If an RMS reading AC voltmeter reads 65 volts on a sinusoidal waveform, what is the peak-to-peak voltage?

- A. 46 volts
- B. 92 volts
- C. 130 volts
- D. 184 volts

2-How long is a CSCE valid for license upgrade purposes?

- A. 365 days
- B. Until the current license expires
- C. Indefinitely
- D. Until two years following the expiration of the current license

3-What parameter does the vertical axis of a spectrum analyzer display?

- A. Amplitude
- B. Duration
- C. Frequency
- D. Time

4-Approximately how long is each leg of a symmetrical delta-loop antenna driven element for 28.7 MHz?

- A. 8.75 feet
- B. 11.7 feet
- C. 23.4 feet
- D. 35 feet

5-What are the objectives of the Amateur Auxiliary to the FCC's Compliance and Information Bureau?

- A. To conduct efficient and orderly amateur licensing examinations
- B. To encourage amateur self-regulation and compliance with the rules
- C. To coordinate repeaters for efficient and orderly spectrum usage
- D. To provide emergency and public safety communications

6-What should you do if you hear someone reporting an emergency?

- A. Report the station to the FCC immediately
- B. Assume the emergency is real and act accordingly
- C. Ask the other station to move to a different frequency
- D. Tell the station to call the police on the telephone

7-What is the threshold power used to determine if an RF safety evaluation is required when the operation takes place in the 20-meter band?

- A. 50 watts PEP
- B. 100 watts PEP
- C. 225 watts PEP
- D. 500 watts PEP

8-What license examinations may you administer when you are an accredited VE holding a General Class operator license?

- A. None
- B. General only
- C. Technician and Morse code
- D. Technician, General and Amateur Extra

9-Which of the following amateur stations may not be operated under automatic control?

- A. Remote control of model aircraft
- B. Beacon station
- C. Auxiliary station
- D. Repeater station

10-What operating privileges are allowed when you are the control operator at the station of another amateur who has a higher class license than yours?

- A. Any privileges allowed by the higher class license
- B. Only the privileges allowed by your license
- C. All the emission privileges of the higher class license, but only the frequency privileges of your license
- D. All the frequency privileges of the higher class license, but only the emission privileges of your license

11-What makes spread-spectrum communications resistant to interference?

- A. Interfering signals are removed by a frequency-agile crystal filter
- B. Spread-spectrum transmitters use much higher power than conventional carrier-frequency transmitters
- C. Spread-spectrum transmitters can hunt for the best carrier frequency to use within a given RF spectrum
- D. Only signals using the correct spreading sequence are received

12-What is the purpose of a field-strength meter?

- A. To determine the standing-wave ratio on a transmission line
- B. To check the output modulation of a transmitter
- C. To monitor relative RF output
- D. To increase average transmitter output

13-What are some of the differences between the Baudot digital code and ASCII?

- A. Baudot uses four data bits per character, ASCII uses seven; Baudot uses one character as a shift code, ASCII has no shift code
- B. Baudot uses five data bits per character, ASCII uses seven; Baudot uses two characters as shift codes, ASCII has no shift code
- C. Baudot uses six data bits per character, ASCII uses seven; Baudot has no shift code, ASCII uses two characters as shift codes
- D. Baudot uses seven data bits per character, ASCII uses eight; Baudot has no shift code, ASCII uses two characters as shift codes

14-Where does a US amateur license allow you to transmit?

- A. From anywhere in the world
- B. From wherever the Amateur Radio Service is regulated by the FCC or where reciprocal agreements are in place
- C. From a country that shares a third party agreement with the US
- D. Only from the mailing address printed on your license

15-If you are a Technician Class operator with a CSCE for General Class operator privileges, when must you add the special identifier "AG" after your call sign?

- A. Whenever you operate using your new frequency privileges
- B. Whenever you operate
- C. Whenever you operate using Technician frequency privileges
- D. A special identifier is not required as long as your General class license application has been filed with the FCC

16-What is the mixing process?

- A. The elimination of noise in a wideband receiver by phase comparison
- B. The elimination of noise in a wideband receiver by phase differentiation
- C. The recovery of the intelligence from a modulated RF signal
- D. The combination of two signals to produce sum and difference frequencies

17-What is the maximum symbol rate permitted for RTTY emissions transmitted on frequency bands below 10 meters?

- A. 56 kilobauds
- B. 19.6 kilobauds
- C. 1200 bauds
- D. 300 bauds

18-What is the current flow in a circuit with an applied voltage of 120 volts and a resistance of 80 ohms?

- A. 9600 amperes
- B. 200 amperes
- C. 0.667 amperes
- D. 1.5 amperes

19-What is the output PEP from a transmitter if an oscilloscope measures 200 volts peak-to-peak across a 50-ohm resistor connected to the transmitter output?

- A. 100 watts
- B. 200 watts
- C. 400 watts
- D. 1000 watts

20-What is a reason to use simplex instead of a repeater?

- A. When the most reliable communications are needed
- B. To avoid tying up the repeater when direct contact is possible
- C. When an emergency telephone call is needed
- D. When you are traveling and need some local information

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

1-E8D06; 2-T1A05 [97.505(a)(6)]; 3-E4A03; 4-G9B04; 5-G2D02; 6-T8A08; 7-G0B09; 8-G1D02 [97.509b3i]; 9-E1B11 [97.109(d), 201(d), 97.203(d), 97.205(d)]; 10-T2D03 [97.105(a)]; 11-E8C15; 12-G4B07; 13-E8C02; 14-T1C02 [97.5(a)]; 15-G1D09 [97.119f2]; 16-E7E07; 17-G1F05 [97.305c, 97.307f3]; 18-T4D06; 19-G4D03; 20-T5C09

ANSWERS:

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

NEWS---NEWS---NEWS

This is your newsletter. I am looking for ideas of what information is important to you. Please send me your suggestions, comments and articles or other information for publication.

73

Glenn Gleason, KG6LRX, editor

(916) 480-0862 E-mail: gleasong@surewest.net

FIELD DAY

River City will again be holding our field day exercises on June 24 and 25 at Madera Park in Citrus Heights.

In order to have a successful event we need all of the volunteers that are available. Some need to be there early Saturday morning to set up the antennas and stations. We also need operators throughout the day Saturday and also Saturday evening. On Sunday we will also need volunteers to break down the setup.

If you can assist in any of these activities contact Chuck Freas, W6FT, event chair or Andy Stephens, W6AWS, co-chair and let them know your availability and what you can offer.

Chuck's number is (916) 332-0927. His E-mail is cmfreas@sbcglobal.net Andy's number is (916) 721-4636 and his E-mail is awstephens@surewest.net.

SEE FLYER ON NEXT PAGE

LOCAL FIRE CHANNELS

Ron, KE6PUG has provided the following local fire channel frequencies. If anyone needs a particular frequency not on the list you can contact Ron.

Sacramento County 154.190

Sac City 153.890 Placer County 154.355

El Dorado County 151.190 Yolo County 154.440

Marysville City 151.325 Lincoln City 155.830

Yuba County 151.325; 154.250

Roseville Fire 154.040

CDF Air Tankers 151.280; 151.310

El Dorado National Forest 171.525

CDF Tac Channels 151.355; 151.265; 151.340;

151.400; 151.370; 151.250; 151.460; 151.445

151.175; 151.190

State Wide Fire Net White 123; 154.280;

151.265; 154.295

Life Flight Helicopter to ground units 156.075

OES NEEDS VOLUNTEERS

California State Office of Emergency Service (OES) is asking for volunteers to help man their operations. Initial time required would be about 2-4 hours per week for training. The statewide OES office is located at Mather Field and that is where the volunteers will be working, They currently operate on Monday Evening and Wednesday Morning. They are primarily looking for General Class or above.

Those who may be interested should contact Gary Anderson, K6OJP at gary@cnet.com.

WANTED – TUBES.

I think I am crazy – playing with a SWAN 350 and could use tubes for it. 6HF5, 12BZ6, 12BE6, 6EW6, 12BA6, 12AX7, 6BN8, and 6GK6.

Contact: Larry Fibich, AF6LF, (916) 966-0266

ITEMS FOR SALE

Kenwood TS830S HF TRANSCEIVER - \$350.00
with 2 extra sets of 6146 finals (new)

Kenwood REMOTE VFO-820 - \$100.00

Kenwood REMOTE ANTENNA TUNER AT230 -
\$100.00

Kenwood HMC-1 HEADSET W/VOX - \$10.00
(fits some older Kenwood HT's)

Heathkit HW-9 CW TRANSCEIVER - \$150.00
PRISTINE CONDITION - 10 THRU 80 METERS
Original unmodified with Power Supply

Heathkit QRP WATTMETER HM-9 - \$75.00

Heathkit ANTENNA TUNER HFT-9 - \$75.00

Heathkit SP 99 SPEAKER - \$25.00

All of the above Heathkits are in the brown series

Take all of the above Heathkits with
Assembly manuals for \$300.00

Contact: Bob Balthrope KD6WTY (916) 682-9871

At the last lub Meeting Bob Hicks stated that he has disassembled his tower, rotor and antennas since he had moved into a new residence where he can not use them. If anyone has an interest in these items they can contact Bob by phone at 726-6904 or at bhicks@mailaka.net

River City Amateur Radio Communications Society



Presents:

FIELD DAY 2006

June 24th and 25th



"CQ Field Day
This is N6NA"

****Madera Park in Citrus Heights****
Look for the "Tower and Antennas"

"Come out and
support your Club
by Participating!"



Norm K6FO adding points on CW



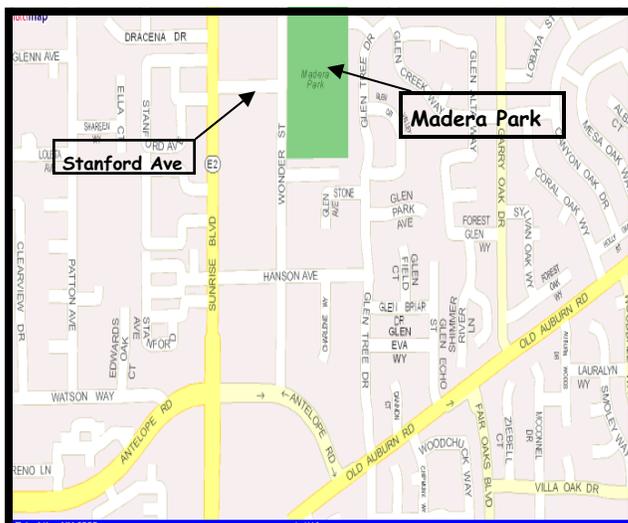
Steli AE6OR operates on 20 meters

We will start setting up around 8:00 am on Saturday the 24th. Operations begin at 12:00 noon on the 24th and continue until 12:00 noon on the 25th.

Come enjoy the fun of operating with your fellow RCARCS members and guests!

Potluck Dinner at 6:00 p.m on the 24th. Come join us for Fun and Fellowship!

Be sure to invite guests to come visit the site. Visitors will have the opportunity to "Get on the Air" with our GOTA station.



For more information please contact:

Andy Stephens W6AWS

w6aws@arrl.net

(916) 721-4636

or

Chuck Freas W6FT

cmfreas@sbcglobal.net

(916) 332-0927

www.n6na.org