

## The Official Newsletter of the Tulare County Amateur Radio Club

P.O. Box 723, Visalia, CA 93279  
TULARE COUNTY, CALIFORNIA  
146.880 (-) TCARC REPEATER  
Park Ridge Mountain  
East of Fresno, California  
36 43.29' N Latitude, 118.56.38' W Longitude  
7,500' above Sea Level

I.R.L.P. Node # **8120**

Echolink Node # **152747** (WA6BAI-R)

Web Page: <http://www.tcarc.net/>

Companion site at: <http://groups.yahoo.com/group/wa6bai/>

### Club Officers

---

President: Steve Lee-Thomas W6SLT

Vice President: Dave McElroy WB6BEF

Secretary: Ray Quinn KF6KMY

Treasurer: Bill Stenger K6QOG

Past President: Ray Quinn KF6KMY

Repeater Liaison: Chuck Ward WA6SAA

Activities Director: Hal Clover KC5LUB



**Next Club Meeting is December 8th, 7:30 pm  
Red Cross Building, 505 West Main St, Visalia, CA.**

## Special Meeting

Special Club Meeting, December 8th, 7:30pm at the Red Cross Building.  
To make the meeting special, please bring some type of finger food or dessert.  
Agenda for meeting: Nominations for club officers for 2006; repeater update  
and other important information.

**From the Editors:** If there is anything that you would like to add to the newsletter, you may contact us by email at [stengerw@sti.net](mailto:stengerw@sti.net). The deadline to have articles included is the 10th of each month; submissions after the 10th will go in the next newsletter unless otherwise instructed. -- de Carol & Bill K6QOG

## Tulare County Amateur Radio Club

Thanks to Ray KF6KMY for getting his computer working and providing Sept. & Oct. Club minutes.

### TCARC Minutes for September 22, 2005

Meeting called by Dave McElroy, WA6BEF at 1945.

Those present were Dave McElroy WA6BEF, Pam Drake KA2RQK, Alan Vicenti W6MTR, Gloria Vicenti W6NRS, Hal Clover KC5LUB, Charles Ward WA6SAA, Andy Brown N6IJF, Dave Millhouse N6YMM, Dave Gregory KJ6P, and HRG

Ray Quinn KF6KMY gave treasurers report in Bill Stenger's K6QOG absence. There is \$463.91 in the Treasury.

There was discussion about noise on the repeater, such as the courtesy tone is turned off. There was discussion as to how to get a good signal from Bakersfield to Park Ridge (into 146.88)

The IRLP Link radio is "under construction."

W6MTR bought a surplus 1500M 2-meter radio from the Club.

Emergency Coordinator Hal Clover KC5LUB gave a recap of CDF turnout at the Tulare County Fair. The group demonstrated Ham radio, including ATV. He also discussed the October 1 SET.

A motion to adjourn was made by Ray Quinn KF6KMY and seconded by Alan Vicenti W6MTR. The vote was unanimous to adjourn. The meeting adjourned at 2042.

Respectfully submitted by Ray Quinn  
KF6KMY  
TCARC Secretary

### TCARC Minutes for October 27, 2005

The meeting was called to order at 1937 by Dave McElroy WA6BEF. It was determined that a quorum was present.

Present was Dave McElroy WA6BEF, Charles Wart WA6SAA, Bill Balsley KG6AIR, Larry Taylor KF6JBG, Dave Millhouse N6YMM, BUBBA, Scott Yarbrough KF6KMX, and Ray Quinn KF6KMY.

The Treasurer's report was given by Dave McElroy in Bill Stenger's K6QOG absence. A deposit of \$120 was made plus a \$50 National Park Service check refund, \$40 for radio equipment sold, and \$25 for family membership.

There is \$583.91 in the Treasury Bill Balsley KG6AIR motion motioned that the Treasurer's report be accepted as read and seconded by Dave McElroy. The vote was unanimous.

\$20 was received from Charles Ward WA6SAA for coax.

The disposition is yet to be determined of equipment donated to the Club by Roger Corum. The equipment is to be moved to the home of Dave McElroy WA6BEF within two weeks.

A motion was made by Bill Balsley KG6AIR, and seconded by Larry Taylor KF6JBG, to give Mike Irving N6BYH two antennas to replace those used for the repeater. The vote was unanimous.

Repeater Coordinator, Charles Ward WA6SAA announced the channel elements were on order and they should arrive any day. The UHF receiver is ready for crystals. A trip to Blue Ridge is planned for Saturday October 29th.

There was discussion regarding ham radio classes to get new hams and current ones to upgrade.

The next meeting will be a pot luck held Thursday December 8th, 2005 at 1930.

Net meeting on 12/8 air 2nd JBG. Unan. To be pot luck.

A motion to adjourn was made by Ray Quinn KF6KMY and seconded by Bill Balsley KG6AIR. The vote was unanimous.

The meeting adjourned at 2036.

Respectfully submitted by Ray Quinn  
KF6KMY  
TCARC Secretary

## Tulare County Amateur Radio Club

### SAN JOAQUIN VALLEY SECTION

Report for the month of October 2005

Charles McConnell W6DPD  
Section Manager  
San Joaquin Valley Section  
ARRL, The National association for AMATEUR  
RADIO  
(559) 431-2038  
Email w6dpd@arrl.org

SM Charles McConnell, W6DPD- ASMs  
K6YK and W6FRH, ACC W6DPD, SEC N6ZFN,  
OOC N1VM, STM K6RAU, PIC KE6IGJ, TC  
W6TE.

Greetings from the ARRL San Joaquin Valley  
Section. The Section Staff wishes every one a  
Happy Thanksgiving.

ARRL is again sponsoring a toy drive to  
brighten the holidays for children left homeless or  
displaced as a result of the hurricanes. Country  
Singer and ARRL member Patty Loveless,  
KD4WUJ, has agreed to serve at the honorary  
chairperson for the 2005 toy drive. Clubs and  
individual Amateurs can send new, unwrapped toys  
for boys and girls aged 1 to 14 to ARRL Toy  
Drive/Salvation Army, 1775 Moriah Blvd-Suite  
12, Memphis TN 38177-7125. Mailings and  
shipments need to arrive before Thanksgiving,  
November 24, 2005 so toys can be distributed  
during the holidays. Monetary donations may be  
sent to ARRL Toy Drive, ARRL, 225 Main Street,  
Newington CT 06111-1494. In 2004 the Amateur  
Community came through and made the holidays  
special for boys and girls in Florida.

The 7th annual SKYWARN Recognition Day  
(SRD) special event will take place Saturday,  
December 3, 2005. SKYWARN Recognition Day  
is an event co-sponsored by the National Weather  
Service and the American Radio Relay League.  
SKYWARN Recognition Day is the National  
Weather Service's way of saying "thank you" to  
Amateur Radio operators for their commitment to  
helping keep their communities safe. During the  
24-hour special event, amateur radio operators visit  
their local National Weather Service (NWS) office  
and work as a team to contact other hams across  
the world. To learn more, check out the web site:  
<http://hamradio.noaa.gov>.

Emergency Coordinators are needed in Kings,  
Mariposa and Merced Counties. Contact N6ZFN  
(n6zfn@ares-races.net) or W6DPD  
(w6dpd@arrl.org) if you can help. WA8SME is  
the EC for Mono County. Thanks to N6RDY for  
serving as EC for Mariposa County.

Mark your calendars. The International DX  
Convention is April 21-23, 2006 at Visalia. Check  
for information. EMCOMM West is May 6-7,

2006 in Reno. Check for information. Field Day  
is June 24-25, 2006. Pacificon 06 will be October  
13-15, 2006 at the San Ramon Marriott. Check  
for information.

When your affiliated club elects officers for  
the next year, be sure to update your club's  
information on the affiliated club area of the ARRL  
web page.

Need to take an Amateur exam? Check the  
ARRL web page, for exam information. You can  
also search for Amateur Radio Classes in your  
area.

The Northern California Net (NCN), the  
Section Traffic Net, meets nightly on 3.630 MHZ  
at 7 PM Pacific Time. The slow speed training  
session of the net meets nightly on 3.705 MHZ at  
9 PM Pacific Time. Handling traffic on CW is a  
good way to improve your CW skills. The Daytime  
Region 6 Traffic Net meets daily at 3:30 pacific  
time on or near 7.275 MHZ.

It is my sad duty to report that K6EOR,  
KA6EDL, AC6DK, KG6UZN, KB6AR and  
KK6IS are Silent Keys. They will be missed.

Congratulations to KF6QKL and K6SWE on  
completing the ARECC Level 1 course and to  
N6SUZ on completing the ARECC Level 2 Course.

In the SJV Section 9 June VHF QSO Party  
logs were submitted. K6MI was first, KR7O was  
second, and KF6KDA was third.

In the SJV Section 26 Field Day logs were  
submitted. The San Andreas Fault Line Survivors  
has the highest score and competed in 5A. The  
Fresno ARC was second overall and competed in  
2A. The Madera ARC was third overall and  
competed in 3A. The Los Banos ARC competed  
in 1A and had the highest score in that category.

The Turlock ARC 2005-2006 officers are pres  
KE6RGB, vp KI6PR, sec KD6UCX, and treas  
K6CP. The club meets the second Tuesday at 7:30  
PM at the War Memorial Building in Turlock.  
Check for information.

Manteca ARC 2006 officers are pres KD6PCT,  
vp KE6OGL, sec and editor WA6FQM, and treas  
WA6KTK and KE6UTO share the job. The club  
meets the first Thursday in Manteca.

The Los Banos ARC has a new transceiver  
for the club to use in FD and other events.

Congratulations to AE6QP who qualified for  
WAS and to W6UPI who made the DXCC Honor  
Roll.

Traffic for October: K6RAU 18 and N6SUZ  
107; Total 125. PSHR K6RAU 78, N6SUZ 100.

## HEARING OTHER VOICES, by Bill Balsley KG6AIR

At the October TCARC meeting, other FM voice services were discussed briefly. Since I left the meeting with more questions than answers, I gathered this information. Feel free to skip to the next article if you are annoyed and/or bothered by non-amateur radio. At the end of this item, I offer my personal observations, for what they're worth.

Unlicensed Citizens Band Services include the Multi-Use Radio Service (MURS), Family Radio Service (FRS), the original Citizens Band Radio Service (CBRS), the Low Power Radio Service (LPRS), the Medical Implants Communications Service (MICS), the Wireless Medical Telemetry Service (WMTS), and the Personal Locator Beacon Service (PLBS).

**CBRS** allows AM, LSB, USB voice modes at 27MHz. LPRS at 216 -217MHz only allows AM, LSB, USB voice modes at 27mHz. at 216-217 MHz only allows certain limited uses including theft tracking, auditory and health care assistance devices and control stations in automated maritime radio networks. **MICS** and **WMTS** allow only certain kinds of non-voice medical telemetry communications. **PLBS** beacons at 400 MHz are alerting devices that persons can use in remote areas to summon assistance in emergencies.

### MURS (Multi-Use Radio Service)

FM voice, data, r/c, telemetry  
no retransmission  
2w-TPO, external gain antenna ok  
20ft above bldg or 60ft above ground  
151.820  
151.880  
151.940  
154.570 old Blue Dot  
154.600 old Green Dot

### FRS (Family Radio Service)

FM voice, no retransmission  
0.5w-ERP, no antenna modification  
462.5625 FRS-1  
462.5875 FRS-2  
462.6125 FRS-3  
462.6375 FRS-4  
462.6625 FRS-5  
462.6875 FRS-6  
462.7125 FRS-7  
467.5625 FRS-8  
467.5875 FRS-9  
467.6125 FRS-10

467.6375 FRS-11  
467.6625 FRS-12  
467.6875 FRS-13  
467.7125 FRS-14

### Licensed General Mobile Radio Service (GMRS)

FM voice, some 1987-businesses are grandfathered \$75 license (5 years) for immediate family only, station-IDs are required

GMRS: 50w-ERP, simplex (store/forward) repeater ok, no height limit

simplex:	(to 462- repeater: add 5mHz)
462.550	467.550
462.575	467.575
462.600	467.600
462.625	467.625
462.650	467.650
462.675	467.675
462.700	467.700
462.725	467.725

GMRS: mobile, "small-base", 5w-ERP, 20ft above bldg

All sixteen 462/467 channels, plus FRS-1 through FRS-7

Observations from KG6AIR, also GMRS-licensed as WPXL591:

MURS, FRS, and GMRS all allow CTCSS tones.

MURS and FRS allow business use, and all operators must share and "play nice".

MURS is interesting because modes other than FM are allowed if the transmitter is "certified" for that mode. Also, MURS antenna design is wide open.

FRS on channels 1-7 are at risk from GMRS portables, with 5-w capability. Affected FRS users are advised to use channels 8-14.

GMRS repeaters do not require a separate license, but must be controlled by an immediate family member of the licensee. GMRS simplex (462) repeaters haven't taken off just yet. GMRS "user groups" are largely responsible for the growth of duplex (467-in, 462-out) repeaters nationwide. Because of their availability and cost, most GMRS portables are illegally operated by unlicensed persons.

Federal Communications Commission DA 05-2870  
Submitted by Bill Balsely KG6AIR

Before the Federal Communications Commission  
Washington, D.C. 20554

In the Matter of Applications of  
NATIONAL FOOTBALL LEAGUE

Request for Waiver of the Call Sign Identification  
Requirements of 47 C.F.R. § 90.425

FCC File Nos. 0001942907, 0001942845  
ORDER

Adopted: October 28, 2005  
Released: October 31, 2005

By the Chief, Public Safety and Critical  
Infrastructure Division, Wireless  
Telecommunications Bureau:

1.Introduction. On November 18, 2004, the National Football League (NFL) filed waiver requests and applications to modify its licenses for Industrial/Business Pool Stations KNNF411 and KNNF412. The NFL seeks a waiver of the requirement in Section 90.425 of the Commission's Rules that Part 90 stations periodically transmit station identification. For the reasons discussed herein, we grant the NFL's waiver requests.

2.Background. These two licenses authorize use of low-power (two watt) mobile units nationwide. The NFL states that the units are used exclusively within football stadiums for communications between coaches on the sideline and their quarterback during professional football games. The NFL seeks waiver of the station identification requirements because these systems are routinely used in a high noise environment, and transmission of the identification can be distracting to quarterbacks and disrupt the game. The NFL argues that transmission of station identification is unnecessary because these systems are incapable of causing interference to licensees outside the stadium

3.Discussion. To obtain a waiver of the Commission's Rules, a petitioner must demonstrate either that the underlying purpose of the rule(s) would not be served or would be frustrated by application to the present case and that grant of the waiver would be in the public interest; or that, in view of unique or unusual factual circumstances of the instant case, application of the rule(s) would be inequitable, unduly burdensome, or contrary to the public interest, or the applicant has no reasonable alternative.

4.The purpose of a station identification requirement is to clearly make the identity of the station transmitting known to those receiving the transmission. This serves, inter alia, to help identify sources of interference. When the identity of the station is clear from other circumstances, such as limits on what stations can receive the transmission, transmission of station identification is not necessary. We conclude that the underlying purpose of 47 C.F.R. § 90.425 would not be frustrated if the rule were waived in the present case. The NFL indicates that the game day frequency coordinators monitor the RF environment in real time during the game, and that they are careful to prevent any interference both inside and outside the stadium. In addition, the NFL indicates that by using prior coordination the potential for interference is greatly reduced if not eliminated. We agree that, under the circumstances, transmitter identification for these radios is not needed. We also conclude that it serves the public interest to eliminate an unnecessary regulatory requirement that burdens a licensee in the conduct of its business.

5.Accordingly, IT IS ORDERED, pursuant to Section 4(i) of the Communications Act of 1934, as amended, 47 U.S.C. § 154(i), and Section 1.925 of the Commission's Rules, 47 C.F.R. § 1.925, that the waiver requests filed by the National Football League with respect to applications FCC File Nos. 0001942907 and 0001942845 ARE GRANTED.

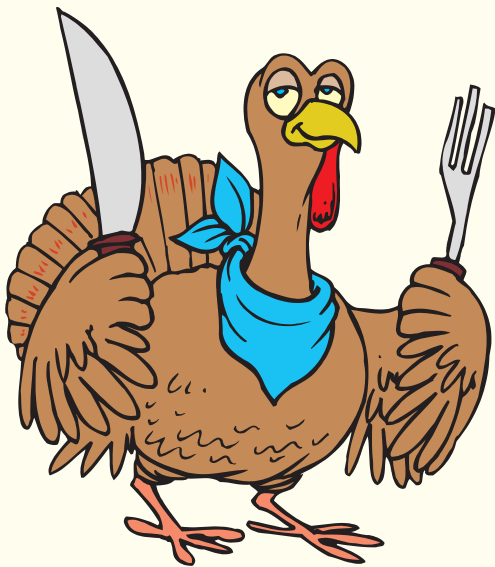
6. IT IS FURTHER ORDERED that the Public Safety and Critical Infrastructure Division SHALL PROCESS applications FCC File Nos. 0001942907 and 0001942845 in accordance with this Order and the Commission's Rules.

7.This action is taken under delegated authority pursuant to Sections 0.131 and 0.331 of the Commission's Rules, 47 C.F.R. §§ 0.131, 0.331.

FEDERAL COMMUNICATIONS  
COMMISSION

Michael J. Wilhelm  
Chief, Public Safety and Critical Infrastructure  
Division  
Wireless Telecommunications Bureau

# Tulare County Amateur Radio Club



wishes  
everyone  
a



## Happy Holidays & Prosperous New Years

### Emergency Coordinators:

Emergency Coordinators for Tulare County:

RACES is Jim Reeves KC6YRU - [kc6yru@tcarc.net](mailto:kc6yru@tcarc.net)

ARES is Hal Clover KC6LUB - [hal90000@sosinet.net](mailto:hal90000@sosinet.net)

### Club Websites:

The mailing lists available for TCARC are:

- [gridleak@tcarc.net](mailto:gridleak@tcarc.net) - Grid Leak distribution in Portable Document Format (PDF)
- [gridleak-text@tcarc.net](mailto:gridleak-text@tcarc.net) - Grid Leak distribution in text format for those who prefer or require it.
- [tcarc-announce@tcarc.net](mailto:tcarc-announce@tcarc.net) - One-way announcements open to all
- [members@tcarc.net](mailto:members@tcarc.net) - Open to all active members
- [repeater@tcarc.net](mailto:repeater@tcarc.net) - New repeater committee list (committee members only)
- [officers@tcarc.net](mailto:officers@tcarc.net) - For officers

If anyone wishes to start a new list related to amateur radio or the TCARC, you may do so by sending me an e-mail. -- 73 de Ray KF6KMY

### November Birthdays:

KF6MKJ - Nona Loeffler

WA6BEF - Dave McElroy

### November Anniversaries:

KF6JBG - Larry & Jane Taylor

KG6AIR - Bill & Marge Balsley

### December Birthdays:

KE6UKK - Frank Devin Jr.

K6QOG - Bill Stenger

# TULARE COUNTY AMATEUR RADIO CLUB, INC. MEMBERSHIP APPLICATION

---

NAME (Self) \_\_\_\_\_ NAME (Family Member) \_\_\_\_\_

CALLSIGN (Self) \_\_\_\_\_ CALLSIGN (Family Member) \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

EMAIL \_\_\_\_\_

LICENSE CLASS (Self) \_\_\_\_\_ LICENSE CLASS (Family Member) \_\_\_\_\_

RES PHONE \_\_\_\_\_ BUS PHONE \_\_\_\_\_

EQUIPMENT \_\_\_\_\_

BANDS \_\_\_\_\_

## INTERESTS (Please Check)

EMERGENCY SERVICE

RAG CHEWING

BUILDING

TRAFFIC HANDLING

Dxing

ANTENNAS

CINTESTS

QRP

OTHER

DESCRIBE \_\_\_\_\_

\_\_\_\_\_

SIGNATURE \_\_\_\_\_

Membership Dues: (\$20.00 - Individual - \$25.00 - Family)

Mail To:  
Tulare County Amateur Radio Club  
P.O. Box 723  
Visalia, CA 93279