

Calaveras Amateur Radio Society (CARS)

March 8, 2018 6:30PM

Meeting Minutes

Welcome

Chuck & Jerry

Called to order 18:31

Self Introductions

AE6LA was recognized for his 10 years of outstanding service as President of CARS. He was given a plaque to commemorate the occasion.

Old Business

Reading of Minutes from Last Meeting Andy

Accepted as read.

Treasurers Report

Eileen

\$5,424.58 in account. Accepted.

We have cleaned out our belongings from the Hope Lodge in Angels Camp. They are beginning work to renovate the facility and we are welcome to come back there for our meetings if we wish.

WA6ZTY requested future Treasurer's reports include the balance from one year previous. Accepted.

Net Report

Mike N6AXQ

January 38 high 26 low avg 30(27% of membership) visitors ~ 3 avg

**February 42 high 33 low avg 37 (32%) visitors 13 high 7 avg
Gave out band plan/WAS map (attached)**

Breakfast Report

Mike K6AAN

K6AAN was absent. WA6AVR reported 4 attendees in the snowstorm.

ARES/RACES Report

Sam & PT

Attached

Repeater Report

Ken & Mike F.

Report of the Ham Cram February 24 at Sierra College. 8 students and the instructor attended. After an all-day study session, all 8 students passed. The instructor upgraded to Extra from General. Very favorable comments from the Sierra College staff. Next Ham Cram: 7-21. There will be a new technician question pool. AE6LA requests 50 copies of the new questions. Approved by membership.

The antenna at the new repeater site has still not been raised to its higher location due to Mr. LaRue being ill. AE6LA has a better temporary antenna in place now. Remote base is operational.

The link to the Lodi repeater could not be used the previous Monday due to interference. They will try again next net.

AE6LA is looking for a suitable relay location in the Valley Springs coverage area for a radio site.

KI6OBE felt it is unfair for the club to pay rent on the LaRue site for no improvement yet. No date has been set for the antenna improvement project.

KM6AXJ offered encouraging words that new members are willing to step up and help when needed.

W6AJW discussed cost to put up a UHF repeater in Valley Springs. It is thought that K6AAN may have a good signal into the repeater site.

WA6AVR wants NV6V to spec and price a repeater for Valley Springs. The repeater committee will discuss the matter instead.

A general discussion followed regarding other possibilities of Valley Springs repeater coverage.

WA6AVR commented that K6AAN does not have a good path to the repeater.

\$2,000.00 was proposed to pursue repeater hardware. It was decided instead to give the repeater committee a chance to have some discussions. The committee will report at the next meeting.

New Business

Holiday Luncheon

Mark

Restaurants are pretty pricey. Catering looks like a better option.

WB6QVI at Murphys Diggins can get the use of the clubhouse at no charge to CARS.

Date set for December 8 at the Diggins. CARS will provide the main dishes. Pot luck for the remainder. Approved.

Field Day

KM6ELA was absent.

Program: Mike WA6ZTY Towers

A very informative and entertaining presentation, with pictures, of WA6ZTY's antenna project.

Adjournment Chuck & Jerry

20:14

CARS 3-8-18

KKBBX	EILEEN	VALLEY SPRINGS
NV6V	ANDY	VALLEY SPRINGS
WAGAVR	Jerry	COLUMBIA
WBAJW	Chuck	San Andreas
KGDUY	Bull	SHEEP RANCH
NGI V	MARK	MOKE HILL
WBRXK	Steve	Steve Arnold
KMGAXT	JOSH	ARNOLD
KIGOBE	Kathy	West Point
WS4P	Sam	West Point
KMGPDF	TOM	WEST POINT
KGMAB	MARIAM	COPPEROPOLIS
KG6FEY	<i>[Signature]</i>	COPPEROPOLIS
AECLA	Ke	Arnold
WABZTY	MIKE	ARNOLD, CA
AC6CY	Lynn	Vallecito
NGAXQ	MICHAEL	AXIAK - COPPEROPOLIS
KMGEIF	Nelia	Richin's Q-C
KMGMBB	Joy	Copperopolis
KMGMBB	Eileen	Valley Springs

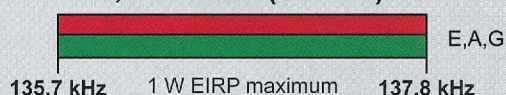
US Amateur Radio Bands

US AMATEUR POWER LIMITS

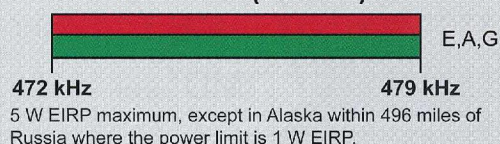
FCC 97.313 An amateur station must use the minimum transmitter power necessary to carry out the desired communications. (b) No station may transmit with a transmitter power exceeding 1.5 kW PEP.

On March 28, 2017, the Federal Communications Commission adopted rules that will allow Amateur Radio access to 472-479 kHz (630 meters) and to 135.7-137.8 kHz (2,200 meters). However, amateurs cannot use these frequencies until 30 days after the Report and Order is published in the Federal Register and the final procedures for registering stations with the Utilities Telecoms Council (UTC) have been approved and announced. At the time this chart was created, the Report and Order had not been published and the UTC online registration site is not yet available. Follow ARRL news for further information. New charts will be published at www.arrl.org/graphical-frequency-allocations when the bands are fully available for use.

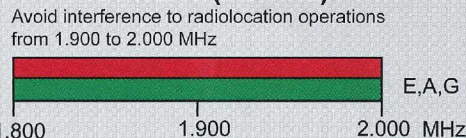
2,200 Meters (135 kHz)



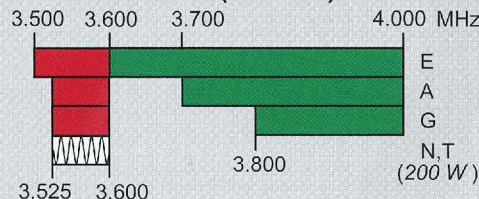
630 Meters (472 kHz)



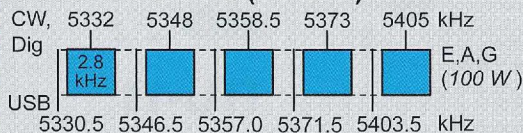
160 Meters (1.8 MHz)



80 Meters (3.5 MHz)

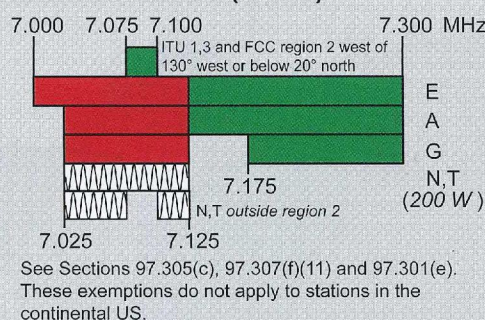


60 Meters (5.3 MHz)



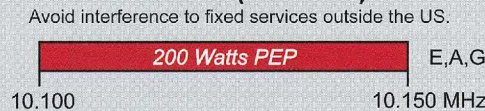
General, Advanced, and Amateur Extra licensees may operate on these five channels on a secondary basis with a maximum effective radiated power (ERP) of 100 W PEP relative to a half-wave dipole. Permitted operating modes include upper sideband voice (USB), CW, RTTY, PSK31 and other digital modes such as PACTOR III. Only one signal at a time is permitted on any channel.

40 Meters (7 MHz)

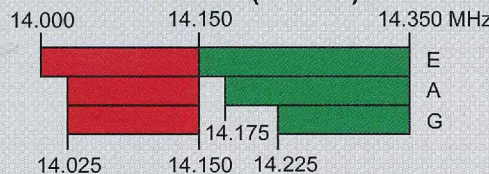


See Sections 97.305(c), 97.307(f)(11) and 97.301(e). These exemptions do not apply to stations in the continental US.

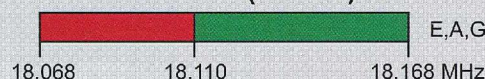
30 Meters (10.1 MHz)



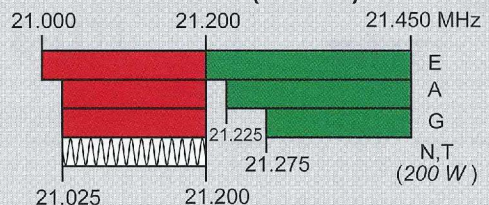
20 Meters (14 MHz)



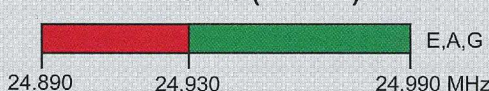
17 Meters (18 MHz)



15 Meters (21 MHz)



12 Meters (24 MHz)



Effective Date for
2,200 and 630 Meters
to be announced



ARRL The national association for
AMATEUR RADIO®

KEY

Note:

CW operation is permitted throughout all amateur bands.

MCW is authorized above 50.1 MHz, except for 144.0-144.1 and 219-220 MHz.

Test transmissions are authorized above 51 MHz, except for 219-220 MHz

- = RTTY and data
- = phone and image
- = CW only
- = SSB phone
- = USB phone, CW, RTTY, and data
- = Fixed digital message forwarding systems only

E = Amateur Extra
A = Advanced
G = General
T = Technician
N = Novice

See ARRLWeb at www.arrl.org for detailed band plans.

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*Geographical and power restrictions may apply to all bands above 420 MHz. See *The ARRL Operating Manual* for information about your area.

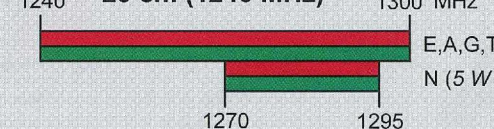
70 cm (420 MHz)*



33 cm (902 MHz)*



23 cm (1240 MHz)*



All licensees except Novices are authorized all modes on the following frequencies:

2300-2310 MHz	10.0-10.5 GHz ‡	122.25-123.0 GHz
2390-2450 MHz	24.0-24.25 GHz	134-141 GHz
3300-3500 MHz	47.0-47.2 GHz	241-250 GHz
5650-5925 MHz	76.0-81.0 GHz	All above 275 GHz

‡ No pulse emissions

ITU-2

ARRL WAS Map

Worked All States

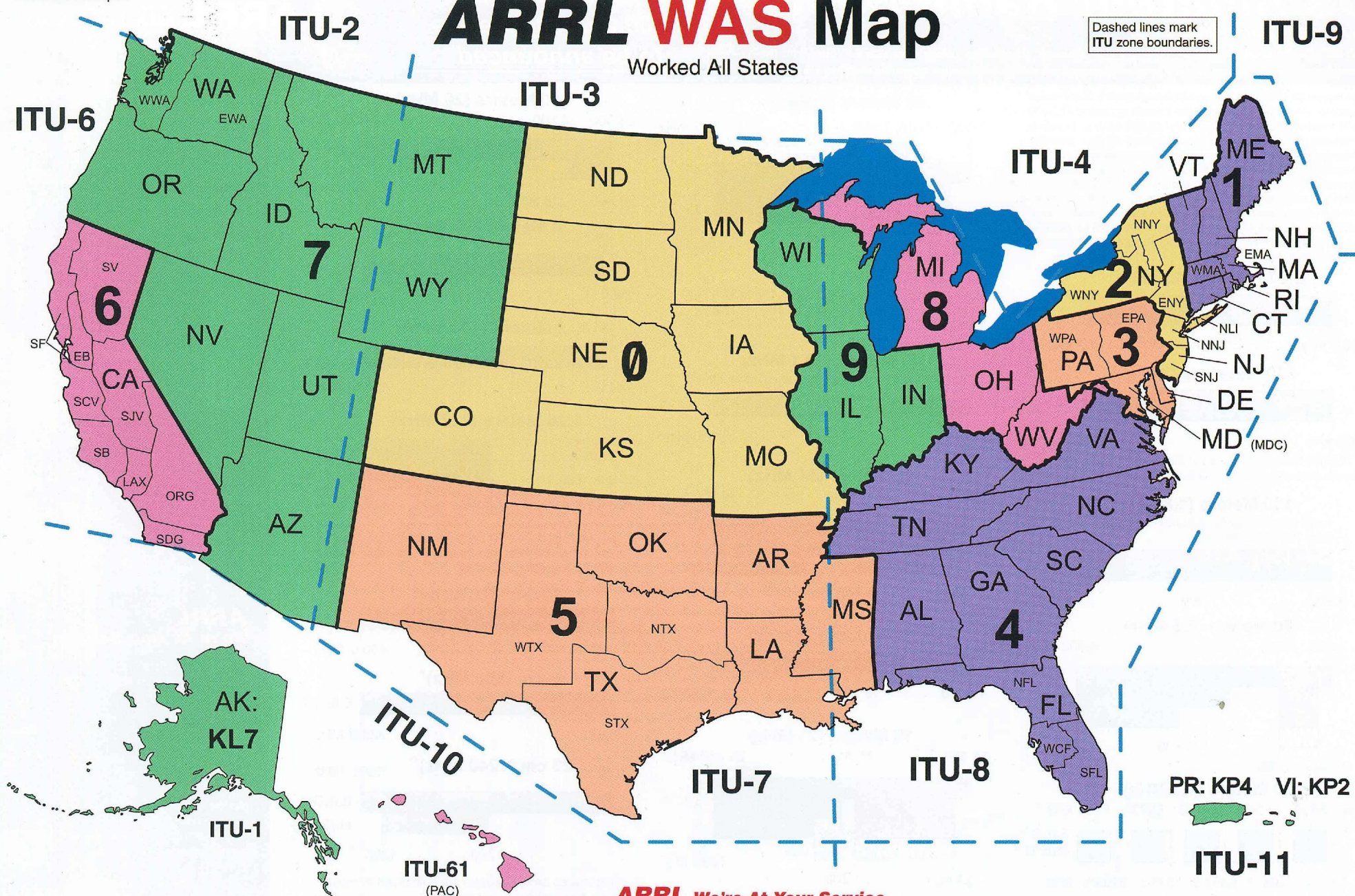
Dashed lines mark
ITU zone boundaries.

ITU-9

ITU-6

ITU-3

ITU-4


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vec@arrl.org

ARES / RACES:

RACES/ARES

Sam is working with new local hams to provide info on Emcomm, per a request from West Point Fire and CERT. Next meeting March 24

No new information on the ARRL's ARES registration. We are known as Calaveras ARES

Low level - Cell Repeaters

Sam is working in getting a low level UHF repeater in Mt. Ranch. He is looking for a suitable location for the best coverage

Sky Warn Net – Jan 18

The net started on Jan 18 at 1200 noon with weather reports from around the county via the N6FRG Repeater. Reports were recorded every two hours, the net concluded at 2000. The net resumed once again at 0900 on Jan 19 for final storm reports. During these nets; questions about Weather and on how to become a NWS Weather Watcher were encouraged.

The following NWS Weather Watchers stations participated:

WS6P – Sam in West Point. (CA22)

KE6FEY – PT in Copperopolis (CA21)

AE6LA – Ken in Arnold (CA101)

The following Amateur Radio Station also participated:

N6IV – Mark in Mokelumne Hill

KM6MBE – Bob in Copperopolis

KM6AXJ – Joshua in Arnold

WA6D – Dave in Valley Springs

N6TP – Jim in Hathaway Pines

Ride for Art -- March 18

Ken - AE6LA; Lead for this event.

Mr. Frog's Wild Ride – April 14

Mike – N6AXQ; Lead for this event, Please let him know if you are available

Central Calaveras Mud Run – April 28

Looking for Radio operators at each obstacle for Safety

AEC Area of Responsibility
ARES/RACES

<i>Call/Name</i>	<i>Area of Responsibility</i>	<i>Contact # (209)</i>	<i>Email</i>
<u>KC0QID Mike Wright</u> <u>UNCALT 97m</u>	Burson Jenny Lind Paloma Milton Valley Springs Wallace	781-5579	mikewright227@yahoo.com
<u>WS6P Sam Hernandez</u>	Glencoe Mokelumne Hill - Includes Jesus Maria Rd-West Railroad Flat West Point Wilseyville	293-4010	ws6p@arrl.net
<u>WB6QVU Kit Brown</u> <u>OPEN</u>	Calaveritas Jesus Maria Rd-East Mountain Ranch San Andreas Sheep Ranch	754-9374	kit@cerrolindo.org
<u>AE6LA Ken Sanders</u>	Arnold Avery Bear Valley Dorrington Hathaway Pines Murphys Vallecito	795-5947	ae6la@aol.com
<u>N6AXQ Mike Axiak</u>	Altaville Angels Camp Copperopolis	785-4015	axiak@caltel.com

Our New OES Director

As of Feb 15 2018 the new Director for Calaveras County OES is Michelle Patterson.

She came from El Dorado County Health and Human Resource Agency having served 5 years with the county. Before that she was San Mateo Health Planner. She has a Masters Degree in Public Health and is certified by FEMA, completing over 20 courses in Disaster Response, Coordination and Preparedness.

Still up in the air is the decision as to who we belong to. Technically we will belong to OES. Currently we are under Calaveras Sheriff OES/EOC.

There has been no scheduled meeting at this time.



Preston T. Brown-KG6FEY

Emergency Communications

Calaveras County RACES Officer

ptbrown@caltel.com

209-785-5156

209-608-6621

SECT