

# INTRODUCTION TO THE GREEN VALLEY AMATEUR RADIO CLUB - 2016

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## **Welcome:**

Welcome to the membership of the Green Valley Amateur Radio Club (GVARC). If you hold a valid license, we encourage you to use the facilities of the club and participate in activities, particularly your area of special interest.

If you are not licensed, the club membership will help you qualify for the license class you desire. There will be somebody with you through all the necessary steps that you take.

We are pleased that you have decided to become a member of GVARC. An application for membership to join the Green Valley Amateur Radio Club will be found on our web site [www.GVARC.US](http://www.GVARC.US).

## **Origins:**

The Green Valley Amateur Radio Club (GVARC) was started in the summer of 1979 by a small group of local Amateur Radio operators (hams). Dr. Allen Carter, MD (KA7EVH) hosted a group in his home including Jim Brown (KBOKP), Doc Nay (WB7PVN), Ralph Woodward (KA7EDJ), Phil Sterner (WB7ORC), Lou Navarro (WB6TYP) and Phil Doersman (KX7J then W7JKA). The meeting was planned to find a way for hams in Green Valley to have antennas that are real antennas. Most areas of Green Valley have severe restrictions regarding antennas in the Conditions, Covenants, and Restrictions (CC&Rs) imposed by the homeowner's associations on the residents.

## **Net:**

The original group started a 10 meter net (a round-robin discussion on the air) once a week, in the beginning, with Phil (W7JKA) as the first net control operator. A little later, about 1981, Lou Navarro (WB6TYP), installed a 2 meter repeater and the net switched to it.

## **Sheriff's Auxiliary Volunteers:**

John Washburn (KA7NBM) who was very active with the Sheriff's Auxiliary Volunteers (SAV), arranged to get GVARC together with the SAV in the early 1980's. The SAV provided much needed funding for equipment and provided space in their old SAV building for our club station. GVARC participated in the 1983 flood communications, various other emergencies, with annual parades, bike groups, etc. One of the main missions of the GVARC is to be prepared for

any and all emergencies where we can help provide necessary communications.

## **Past Presidents:**

Dr. Allen Carter (KA7EVH) 81-82, Phil Sterner (WB7ORC) 83, Phil Doersman (KX7J) 84-85 Sam Steel (W0ORD) 86-88, Trevor Reese (N0CHY) 89, Shelby Nelson (W0ELH) 90, Aaron Trianger (W2JUI) 91, Nelson Raymond (W6YSM) 92, Lloyd Miller (N7GV) 93-95, BT Jevons (WA6GEF) 96, Dave Sader (AB7VE) 97, Ron Finger (W7ZT) 98 Ed Kaufman (N0XIR) 99-02, Jack Reeder (W6NGZ) 03-04, Gene Schouweiler (W0KAD) 05-07, Ron Gross (AD7FE) 08-09, Jack McGowan (AD7NK) 10, Jane Lang (AD7NR) 11-12, Tom Lang (K7VOA) 13-14-15-16.

## **FUNDING**

The club is incorporated as a 501c non profit corporation. Annual dues are presently \$10 per year and are due January 1st of each year. Dues are delinquent if not paid by February 1st. Those using the repeater are encouraged to donate a similar amount to the repeater fund each year.

Other sources of club income include equipment donated to and sold by the club. The club also works with estates in pricing and disposing of radio equipment.

## **MEETINGS**

### **Business Meetings:**

The club meets year round the second Wednesday of each month at 7pm, at the SAV building in Green Valley at 601 N. La Canada Dr. This is a business meeting and usually includes a guest speaker.

### **Weekly Nets:**

- Oatmeal net: Tuesdays at 9:00am (145.290 repeater)
- Snowbird net: Wednesdays 1pm local 2000 UTC, May - Sept at 14.242 (20 meter band)
- Sunday Evening net: Sunday 7:00pm (145.290 repeater)

(Note: All repeaters have a PL Tone of 107.2)

### **Weekly Breakfast:**

The membership meets every Wednesday at 7:00am for breakfast at La Placita in Green Valley. This is an informal gathering where information is exchanged on a variety of subjects.

Plus a Thursday gathering at Cayle's Cakes around 5pm.

### **Spring and Fall Picnics:**

Usually held in April and October, Time and place announced.

### **Christmas Dinner:**

Held the second Wednesday in December (If restaurant is available on that date).

## **CLUB STATION**

The Green Valley Amateur Radio Club station is located in the Sheriff's Auxiliary Volunteers building (SAV) at 601 N. La Canada, Green Valley. The club station is available for use by all members (with a valid license) subject to limitations based on its location in the SAV building. ALL New Members need to be checked out BY Tom Lang K7VOA before using the station.

The normal hours of access to the SAV building are 8am to 4pm, Monday thru Friday.

An SAV badge must be worn at all times when in the building. To obtain a badge, indicate the need with the club treasurer at a monthly meeting. Badges generally can be picked up at the following months meeting.

### **Entering Procedure:**

Tell the receptionist you are there to enter the Amateur Radio Club room and display your badge. Sign in the radio log in the lobby with your name, date, call sign, and time in. The receptionist will provide you with a key to the room. Unlock the radio room and return the key to the receptionist. You are allowed access to the radio room and restroom opposite the radio room only. **All other areas are off limits.**

### **Operating Procedure:**

When operating the club station you have the option of using your FCC Amateur Radio call sign and be limited to the frequencies that your operator privilege class allows. You are not required to fill out the club operating log if you make any transmissions. If you use the GVARC Club call sign (WE7GV) you must use the log book and log the required information which includes, frequency, mode, times on and off, date and operators and operators call and your signature. You are limited to the frequency privileges of whoever is in the room acting as control operator.

### **Equipment Available Includes:**

#### HF Equipment

- Yaesu FT 1000mp Mark V
- Icom 735
- Swan Mark II amplifier
- StepIR beam

- 80/40 meter inverted V antenna
- GAP Titan antenna

## UHF and VHF Equipment

- Motorola "MaxTrac 300" radios channelized and very easy to operate.

The club has installed an Icom 735 HF radio for all members that have HF privileges but also have antenna restrictions due to HOA's. The remote controlled HF rig and the multiband antenna can be accessed through an internet connection. All required software is a free download from the internet. Instructions for downloading this software and using this HF rig are available on the club web site (GVARC.US).

Before using any of the equipment at the club station you must get checked out by the club station manager Tom Lang (K7VOA). Help is available to assist in setting up the remote operation software.

## Leaving Procedure:

Leave all equipment as found, check your log to make sure everything is filled out, the door has a lock control in the center of the knob, turn off the room light, close the door and make sure that it is locked. Sign out in logbook in the lobby.

## CLUB WEBSITE

The GVARC has a website with up to date information covering past and present news letters, club sponsored activities and technical information. We can be found at [www.GVARC.US](http://www.GVARC.US)

## SPECIAL EVENTS

The Green Valley Amateur Radio Club conducts several special event stations thru out the year including the Titan Missile Museum special event usually the first Saturday in May from the missile museum using the large Collins Radio discage antenna.

## Drive Outs:

The Green Valley Amateur Radio Club has several "drive outs" to interesting places around Arizona.

A few of the places visited in the past have been:

KVOA Television, Kitt Peak Observatory, U of A Mirror Laboratory, Paul Bond Boots, Amazon Warehouse distribution center, Valle Verde Train Excursion just to name a few.

## Field Day:

The Green Valley Amateur Radio Club participates in the ARRL Field Day held each June, to practice emergency preparedness. This is to insure that all radio clubs are ready if a disaster strikes and Amateur Radio is called on to provide emergency communications. Field Day is the most popular operating event that the ARRL has to offer. All equipment used during Field Day must operate from portable emergency power. Operation is for a continuous 24 hour period usually held during the third weekend in June.

### **White Elephant Parade:**

GVARC provides coverage of the annual White Elephant Parade by supplying coordinated monitors along the parade route to be readily available for emergencies arising from accidents heat related health problems and general crowd observance.

### **Support of the Boy Scouts:**

Upon request from the Boy Scouts the GVARC demonstrates different aspects of Ham Radio at Boy Scout camps and outings including radio directional finding, live Ham Radio communications, soldering, Morse code, and electronic circuit demonstrations.

## **ASSISTANCE**

### **Elmer Program:**

Learning is hard work. As a new ham you have a tremendous amount of learning ahead of you. If you have a genuine thirst for knowledge, the learning never stops — nor matter how long you've been licensed.

As you stand at the beginning of a long journey , you have two choices: You can go it alone and hope for the best, or seek guidance through a willing mentor. In Amateur Radio these helpful individuals are known as Elmer's.

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There are many Elmer's within the GVARC.

## **EDUCATIONAL PROGRAMS**

### **Continental School Radio Club:**

The GVARC supports and provides volunteers to assist and teach electronic kit assembly, RC aircraft, Ham Radio, robotics and electronic circuit fundamentals.

### **License Classes:**

Classes, test times and locations for the Technician, General, and Extra Class Amateur Radio

licenses will be determined by the number of people interested in taking the class.

## **CLUB REPEATERS**

The club owns and operates three repeater. The 145.290 and 449.375 are located near Elephant Head Mountain. The 145.270 is a local repeater located at the SAV building in Green Valley. These are open repeaters with a PL tone of 107.2

The 145.290 repeater also has IRLP and Echo Link.

### **Accessing IRLP/Echo Link:**

Key the repeater and announce your call and the intention to access the link. To connect to another node, you simply key up your radio, enter in the node number, for echo link type a \* before the node number, using a touchtone pad, and the connection is established. Once connected, simply make your call, as you would on any repeater. If the other node operator has taken the time to ensure good audio quality, it will sound like the other station is also on the local repeater.

### **Clearing IRLP/Echo Link:**

Once the conversation is over, a "73" entered on the touchtone pad shuts down the link.

## **GVARC OFFICERS 2015**

President:	Tom Lang	K7VOA
Vice President:	Linda Forsman	K7POO
Secretary:	Jane Lang	AD7NR
Treasurer:	Bob Call	K7RWC

## **COMMITTEE CHAIRS**

Volunteer Examiners & Training:	Lloyd Miller Tom Lang	N7GV K7VOA
Emergency Communications:	Dee Gross	AD7NM
Club Station Manager:	Tom Lang	K7VOA
Program Director:	Dale Lang	AA1SZ

Technical Director:	Ron Phillips	AA7RP
Public Relations:	Tom Lang	K7VOA
Web Master:	Jon Otto	AD7GS
Elmer Program:	Lloyd Miller	N7GV
Special Event Stations:	Tom Lang	K7VOA
Club Drive Out Events:	Gene Schouweiler	WOKAD