



The President's Corner

Manuel AE6SG

Hello folks,

Hope you all enjoyed the presentation last month it sure brought an interest in me. Since then I've been working on a 70 cm, (420-460 MHz) antenna, and looking into see what is on the web.

I hope that you are all giving some attention to the election of a Vice- President, and Secretary.

We also need to be thinking about Field Day 2013. We need a Field Day committee. Last year we had it held at the firehouse in Johnson Valley. While it provided us with a good location for most of us living in this area, some of us were not able to make the distance. If you have some good ideas for a new location bring those up during the meeting. It's always a lot more enjoyable when we have a large group and people who are willing to take some time to represent the club during this event.

We had a nice turn out last year and we were quite busy on all bands. Thanks to Jeffery for his band allocation and time schedule.

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2013 CLUB OFFICERS

- **President** - Manuel Borges AE6SG
- **Vice President** - Jeffrey Hardy KJ6BOI
- **Secretary** - Sheri Hardy KJ6JVI
- **Treasurer** - Glenn Miller N6GIW

The Treasurer's Report

Glenn N6GIW

Beginning balance: \$1332.39

Income:

Meeting raffles: \$162.00

Membership renewals: \$35.00

Expenses:

Verizon/Repeater Phone Line: \$23.04

St. Christopher Church (Meeting Hall): \$20.00

Treasury Balance: \$1486.35

73 DE Glenn N6GIW

Treasurer

News from last month's meeting

At the February membership meeting, our President announced that, due to a change of duty station, Jeffrey, Sheri and Logan Hardy would be moving from the Twentynine Palms area.

They have all been a GREAT asset to the club and will be missed by the rest of us.

Jeffrey is the club Vice-President and Sheri is the Secretary. They would have remained in office until December of this year.

Manuel, AE6SG, stated that nominations and elections will be held in March to fill the vacant seats.

You will be receiving a copy of the club constitution and by-laws; they were changed to meet federal and state requirements. We have received our Employee Tax Identification number as part of our incorporation. Once we have state approval we will apply for our tax exempt status, under section 501(c) 3. This will allow us to be able to receive donations that are tax deductible, (if applicable).

We are in need of a guest speaker for the next month; if you have an expertise that you would like to share I would invite you to let me know, if doesn't have to be ham related. You may have a hobby that you think others may be interested in.

I wish to thank all of you for your support, in the meetings and participation in club events. We have The Walk for Life coming up please call John Campbell, to show support. Also coming up is a class for Technician Class Radio license, we need someone who can handle scheduling, informing students, and coordination of instructors. The more instructors we have the less time will be required for each person. We had a good group last time and most of will be available.

I wish to thank Jeffery and Sheri, for their strong support in the club, they will be missed by all of us. THANK YOU.

A note: If you would like to advertise in the newsletter give your card to Glenn Miller our treasurer and a fee of \$40.00; this will cover a one year period.

Manuel Borges AE6SG
MARC President

- Spring Cleaning Hint -

When you head to the radio shack to start your Spring Cleaning this year, here is one of "Life's Lessons" that you might want to keep in mind.

*"Junk is something you throw away
three weeks before you need it."*

OUR NEXT MEETING

WHEN:

Thursday, March 21, 2013 7:00pm

WHERE:

St. Christopher of the Desert Catholic Church
61161 Sunburst Dr. Joshua Tree, CA

HOW TO GET THERE:

Traveling EAST or WEST on Hwy. 62, turn SOUTH on Sunnyhill Road in Joshua Tree.

Go ½ mile SOUTH and turn EAST (left) on Sunburst Drive. The Church is located at the end of the block.

Local Business Advertising



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Walk 4 Life Yucca Valley March 16th

The High Desert Pregnancy Clinic is sponsoring the 2013 “Walk 4 Life” on March 16, 2013.

Morongo Basin ARES will be providing radio communications and support for the event, and John Campbell, AG6QM, is the ARES team coordinator.

John is looking for some volunteers with HT's to be on the team.

You don't have to be an ARES member to participate. Any licensed amateur operator with a radio and some spare time for a little Community Service is welcome to join the team.

If you're interested, John Campbell has all of the details and can be reached at 760-218-0248 or email him at jac77@roadrunner.com.

Better yet, you can contact John at the ARES meeting on **Thursday March 7th** at 7:00pm.

A Change in ARES meeting location

Starting with this month's meeting, Morongo Basin ARES will be having their regular monthly meetings at :

**Good Shepherd Lutheran Church
59077 Yucca Trail
Yucca Valley**

The regular ARES meetings will still be held on the first Monday of every month at 7:00 pm.

The first meeting at the new location will be this Thursday March 7th, at 7:00 pm.

The church is located on the south side of Yucca Trail across from the Monterey Business Center.

Time to start planning for Field Day 2013



That's right, Field Day weekend is fast approaching again. I know, this is *only* March and June seems like a long way off but, anybody who has organized an event like this knows how quickly time can pass.

Actually, we only have four more club meetings before Field Day Weekend.

That's only four opportunities to get all of the details worked out as a group.

Someone who has never experienced an ARRL Field Day may wonder what all the fuss and bother is about.

I hope that the following excerpt from the ARRL informational flier "*What is Field Day?*" may help.

"ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June of each year, more than 35,000 radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations.

Field Day is a picnic, a campout, practice for emergencies, an informal contest and, most of all, FUN!

It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, other groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

The contest part is simply to contact as many other stations as possible and to learn to operate our radio gear in abnormal situations and less than optimal conditions.

We use these same skills when we help with events such as marathons and bike-a-thons; fund-raisers such as walk-a-thons; celebrations such as parades; and exhibits at fairs, malls and museums — these are all large, preplanned, non-emergency activities.

But despite the development of very complex, modern communications systems — or maybe because they ARE so complex — ham radio has been called into action again and again to provide communications in crises when it really matters. Amateur Radio people (also called "hams") are well known for our communications support in real disaster and post-disaster situations."

Arizona Near Space Research Balloon Launch, Yuma Arizona Ham Fest 2013

Tom McLean -- KJ6DZT



One of my reasons to attend the Yuma Ham Fest was to view the "Near Space" balloon launch. The balloon will go from the Yuma Fairgrounds to approximately 80,000 to 112,000 feet before it bursts and parachutes back to earth. Do the math! The *telemetry* is captured by ground readings and televised in real time in the building next door.

Flight Objectives: Flight demonstration from the Yuma Ham Fest, in Yuma, AZ. Payloads consisted of Fast Scan Amateur Television (FSTV), still camera/CW beacon, Student Camera payload, Cross-band repeater, three APRS beacons.

Live Fast Scan TV (FSTV), GPS and APRS. Notice the "payload" attached to the balloon. The balloon at the time of launch was approximately 8 to 10 feet in diameter. When it bursts at its apex it will be approximately 40+ feet in diameter. Just to give you an idea.

The balloon is a 1200gm weather balloon filled with Hydrogen (H₂). Weights are attached to the balloon, which exceeds the payload during pressurization to

make certain that the balloon has enough lift before it is attached to the previously weight payload prior to launching.

Right -- they are pressurizing the balloon with Hydrogen (H₂). You can see the return parachute left on the ground -- daisy changed to the other payload components. It is great to be so close to the operation and procedures. The organizer has a clipboard and checklist and monitors all operations and progress.

The final prediction for the launch of ANSR-73 is for a flight of 57.3 miles on a bearing of 83.7°, or 5 miles WSW of Dateland and 0.6 miles south of I-8 on the BMGR. The assumptions for this prediction are for a launch from Yuma, an ascent rate of 1200 fpm, a burst altitude of 90,000 feet, an average descent rate of 1300 fpm, and using <http://www.habhub.org>. A burst at 100,000 feet travels 7.6 miles further and lands 3.2 miles south of I-8 on the BMGR.





Left -- is a final check list before launch. Each component tethered (daisy chained) together and is approximately 10 feet apart supported by members of the launch team. The FSTV payload will transmit on 426.25 MHz, AM, NTSC, vertical polarization. The SSTV payload will transmit on 446.075 MHz, FM, Scotty 1, approximately every 3 minutes, vertical polarization. The ANSR Cross-Band Repeater will operate with an input frequency of 145.56 MHz with a 162.2 Hz tone, and an output of 445.525 MHz.

ANSR-73 Actual Flight Summary by Jack Crabtree, W7JLC

- Flight Date: 16 February 2013
- **Flight Objectives:** Flight demonstration from the Yuma Ham Fest, in Yuma, AZ. Payloads consisted of Fast Scan Amateur Television (FSTV), still camera/CW beacon, Student Camera payload, Cross-band repeater, three APRS beacons.
- Payload weight/balloon lift: 6.35 kg/9.07 kg (14 lbs/20 lbs)
- Balloon/Fill gas: 1200 gm/H₂
- Launch 16:00:10 UTC (09:00:10 MST), 32.668864N/114.638635W/66 m (217 ft)(Yuma Fairgrounds, Yuma, AZ)
- Burst: 17:06:35 UTC (10:06:35 MST), 32.9716N/114.0357W/26434.7 m (86705.8 ft)
- Ascent rate: 403.75 m/min, (1325 ft/min) avg.
- Landing: 17:48:14 UTC (10:48:14 MST), 32.714253N/-113.747743W/173 m (1374ft)
- Recovery Time: Approx 18:15 UTC (11:15 MST), recovery teams drove within 0.325 km (0.2 mi) of payload. Recovered about 200 m from base of Mohawk Mtns.
- Distance flown: 83.035 km (51.9 mi)/86.3 deg
- Max. Horizontal Velocity: 185 km/hr (115 mph)
- **Hardware Performance:** Cross band repeater and all beacons performed nominally. FSTV payload provided ground station with continuous video through burst and most of descent and many great pictures from still cameras.

Thanks to all who help make this a very outstanding and successful flight!

Well worth the trip to see elements of Amateur Radio in operation. Many thanks and Kudos to the members and volunteers of the Arizona Near Space Research Organization for a fantastic demonstration.

73

Tom McLean – KJ6DZT

CLUB REPEATERS

The Morongo Basin Amateur Radio Club has 2 vhf repeaters:

- **Yucca Valley ***
W6BA 146.790 MHz
(- shift, 136.5 PL)
- **Twentynine Palms ***
W6IF 147.060 MHz
(+ shift, 136.5 PL)

* Linked Repeaters

These are open repeaters. You do not have to be a club member to use them.

A club net is held each Tuesday at 7PM on the W6BA repeater.

You do not have to be a club member to be a net member.

The local EMERGENCY COMMUNICATIONS SERVICE (ECS) group conducts a net at **6:45 p.m.**, each **Monday** on the W6BA repeater.

The local ARES group also conducts their weekly net each **Monday** at **7:15 pm** on the W6BA repeater

MARC Membership Application

Please use this form.

Your membership is effective immediately and expires one year from the date you join.

Make your check payable to MARC and mail it to:

MARC
PO BOX 1995
YUCCA VALLEY, CA 92286.

Date _____

First Name _____ Last Name _____

Address _____

City _____ State _____ ZIP _____

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Single \$15 _____

Family \$20 _____ Additional Name/s _____

1/10/2010

March 2013

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4 ECS Net 6:45pm ARES Net 7:15pm	5 Club Net 7:00 pm	6	7 <u>New location</u> ARES Meeting 7:00 pm Good Shepherd Lutheran Ch. Y.V.	8	9
10	11 ECS Net 6:45pm ARES Net 7:15pm	12 Club Net 7:00 pm	13	14	15	16 <u>"Walk For Life"</u> <i>FOR DETAILS</i> Call John Campbell
17	18 ECS Net 6:45pm ARES Net 7:15pm	19 Club Net 7:00 pm	20	21 <u>Club Meeting</u> <u>7:00 pm</u> St. Christopher's Joshua Tree	22	23
24	25 ECS Net 6:45pm ARES Net 7:15pm	26 Club Net 7:00 pm	27	28	29	30
31						