



RCARC Minutes for
March 12, 2013

President Larry Heddings WD0CDG called the meeting to order at 7:30 pm.

Those in attendance:

AE7HY	Bob Vosper	K5JCA	Jim Ashby	KF7ZVX	Andy Perry
AL7BX	George Gallis	KG6LFU	Jim Beal	N7SIY	Joel Clements
KB7UMU	Sylvia Clements	N7KM	Ken Munford	K7ZI	Dick Parker
WA7GTU	Don Blanchard	WD0CDG	Larry Heddings	W7KBM	Ken Oliver
K6QOG	Bill Stenger	KG7ASB	Roger Simister	KF7YWY	Cameron Abbaticchio
KC6ZNC	Scott Tweedie	KF7WIY	Denice Sheffield	KF7GPZ	Fred Sheffield
KF7HTE	David Myers	KG7AHS	Travis Horton	KB7HHB	Mardi Biedermann
WA7HHE	Brad Biedermann	NR7E	Jeff Person	KB7OWE	Don Carter
N7TCE	Merlin Mackay	KD7TTT	Terry Lee	KD7FGR	Merlin Gifford
N6OJS	Fred Getman		Julie Johnson		Travis Banks
	Ryan Daniels				

Secretary Bill Stenger K6QOG mentioned there were a name and callsign left off and asked if there were any other corrections to the minutes. No corrections were proposed. A motion was made by Bob Vosper AE7HY and seconded by Dick Parker K7ZI to accept the minutes. Vote: unanimous.

Treasurer Ken Oliver W7KBM reported \$827.46 in the bank at the beginning of the month. Dues is the only source of income and we need to think of other sources. A short discussion followed. For those that paid their dues, Ken has a list of paid members. Larry Heddings added that the club today paid a \$50 security deposit to the Visitor Center. It will be refunded at the end of the year if we leave the room clean.

Sylvia Clements KB7UMU ask for a count of those planning to attend Saturday morning breakfast. She also reported that Kal Kahler KB7FWR had pneumonia but is feeling well and sends his greetings.

Jim Ashby K5JCA mentioned Mel Parks will be at the Dixie Radio Club meeting March 20th at the Legion Hall along with a representative from Homeland Security, Washington County Emergency Manager, Keith Coleman, and Bob Vosper will demonstrate the Radio Club's new website and show all the accomplishments for the past two years.

Jim mentioned a warning; do not load the software that comes with Woxun and Baofeng hand held radios. The Chinese have hidden programs for the purpose of spying. There are other software program that can be downloaded and work fine.

Brad Biedermann WA7HHE questioned Jim about the Mars program. Jim's answer was that Army Mars is going to authentication to prevent unauthorized person from operating. He also mentioned that the Emergency Expo equipment fair in July. Encouraged others to participate.

Next Meeting is April 9th - 7:30pm at the Visitor Center

Ken Munford N7KM talked about the April meeting which will be getting those not on QRZ with a picture and a brief writeup.

Larry mentioned that the Emergency Expo at Canyonview Middle School will be on the same weekend as the Zion 100. Depending on time you are operating on the Zion 100 you may want to confirm the day and time and you may or may not be able to volunteer for the Expo. Please Check.

Larry reminded everyone about the Ride the Gap and Desperado Dual rides. Information is on last months minutes.

Larry began introductions of those present. He also mentioned Andy Perry past his Extra Class exam prior to the meeting.

PROGRAM: EMP presented by Don Blanchard WA7GTU.

Don introduced a book Disaster Preparedness for EMP Attacks and Solar Storms by Arthur T. Bradley, Ph.d. and a DVD Electronic Armageddon by National Geographic. Merlin Mackay has them available for those interested.

EMP means electronic magnetic pulse and the most common form we are familiar with is lightning. We use electronic pulses any time we use a radio. Don diagrammed the relationship between the electronic and magnetic pulses which are 90 degree from each other.

EMP can be produced by man made nuclear blast or focused pulse from a weapon or a drone. A nuclear blast has a wide spread pattern and the focused pulse is very narrow. An EMP can also be produced from a solar storm.

Don showed a short video produced by Boeing Aircraft Company about focused pulse aircraft developed by Boeing.

According to scientists solar storms have occurred in the past and will occur again. Electronic equipment can be protected by a Faraday Shield which can be as simple as aluminum foil wrapped around a box, or a metal garage can or small like an ammo can or even a metal safe or cloths dryer. Scientists are working on how to protect the electric grid. The bottom line is not if but when a pulse will hit earth.

Questiones and answered followed.

Respectfully Submitted:

Bill Stenger K6QOG
Secretary

FYI

For those who did not get a copy of the minutes last month.

Rainbow Canyons Amateur Radio Club
Meeting agenda 2013

April 9 QRZ pages, photos and operator profiles for the web.
(Team of computer helpers)

Next Meeting is April 9th - 7:30pm at the Visitor Center

- June 11: Field Day preparation and BBQ Three Fountains Recreation Center (Jim Beal KG6LFU Home).
- July 12: Portable and emergency station setup and operation, hands on at Centennial Park. (Brad Biedermann, WA7HHE)
- August 13: Awards, QSLs, Log books (paper and electronic). Also fox hunt preparation. (Joel Clements, N7SIY and Richard Parker, K7ZI)
- September: Fox Hunt and Balloon Radio Hunt. (Richard Parker and Russ Chaffee)
- October 8: Basic Digital Electronics. (Adult tinker toys, Hands on at SUU electronics lab) (Ken Munford, N7KM and David Ward, N7HYA)
- November 12: Radio Test Equipment. What do you need to check out antennas, transmission lines, power supplies, radios and more? (A team of experts)
- December 10: Party and Elections.