



W7DTA

Volume 2011, Issue 10 October 2011

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Scott Cummings	KD7EHB	(541) 282-9776		Vice President
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Dave Basden	W7OQ		dave@basden.us	Webmaster
Club Web Page:		http://www.gsl.net/w7dta		

Next Club Meeting
 Thursday, October 6, 2011, 7:00 PM
 Red Cross Building, 60 Hawthorne St., Medford, OR
 Across from Hawthorne Park
 Program: Lud, KB2EVN and Bob, K2GLO: Old Radio Gear

President's Letter

Welcome to October. I do hope you got your antenna projects done this summer. (I didn't).

Our club meeting this month will feature Lud KB2EVN and Bob K2GLO with a presentation on old radio gear. The exact topic and emphasis will be theirs... Then in November we will have a show and tell session for homebrew gear and gadgets. Jack WA7IHU and Bud W7LNG will be the major conspirators, but others are invited to bring in a project, ever-so-simple, to share.

The input from the club members for a current 2M repeater status survey was greatly appreciated. John, KF7JWC, is cross-checking it with his information and will do a live check from his home in Ashland. Once the list is to that point, we will need a similar

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Secretary's Report

MINUTES OF THE 1 Sept 11 ROGUE VALLEY AMATEUR RADIO CLUB MEETING

The meeting was called to order by President Alan Taylor, K7GT at 1905L in the Red Cross building in Medford, OR.

Two guests were present: Joy Beeson, KE7CIF & Joe Gunderson, KB7QMT

Since the minutes are in the news-letter they will not be read.

Treasurer Lud Sibley, KB2EVN's treasurer's report is \$4952.73 in the bank.

OLD BUSINESS:

Alan reviewed the great field day this year and Don Bennett, KG7BP wanted to publicly thank Mike Bach, WB6FFC for the use of his

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President's Letter, Continued

(Continued from page 1)

live checkout from Medford/Central Point and perhaps Eagle Point. Feel free to participate!

Now the next topic: please consider your personal availability and what you gain from club membership. We need to have a slate of officers for the 2012 year. At least volunteer to serve on a selection committee. By the way, I will NOT be available for President although other roles would be considered. I just don't 'grok' club protocol, procedure and such.

Let's have a great fall hamming season. I will be going to Pacificon 2011 and will report back on what I find! Also, listen for me in SS, both phone and CW. W7KNX may join me for both.

73 Allan K7GT

Secretary's Report, Continued

(Continued from page 1)

equipment.

NEW BUSINESS:

Alan asked for input from the audience as to the status of local 2 meter repeaters. He will publish a list of these inputs.

At 1930L Alan put the meeting on hold for coffee and "eye ball" QSOing. At 2000L Alan called the meeting back into session.

Don Bennett put on a very interesting talk of his years of trials and different iterations he went through getting a remote control ham station going. Now he can control his station in the ham shack with his laptop from the living room couch!

Don announced that October 28 there will be ham license exams at the VA DOM. Contact him for details

Alan adjourned the meeting at 2030L.

Submitted by Jacob O. (Jack) Schock
WA7IHU secretary

VA club station

The VA Amateur Radio Club of White City, Oregon, has 10 to 15 members, both Amateur Radio operators and shortwave listeners. Don Simonsen, K7AEJ, has been a ham for 36 years and is also very active in Navy MARS. He has Elmered many newly licensed hams who have passed through the VA Rehabilitation Center at the VA Domiciliary.

The club station is net control for the VA Amateur Radio Service Net once a week and checks in to the IHN Net, the Armed Force Amateur Radio Net and the Oregon Emergency Net. The club station also sends out many health and welfare messages each month from the VA patients at the VA Domiciliary.

Station equipment consists of the following: Kenwood TS 940S for HF; IC276-H for 2M, FM, SSB and CW; Kenwood TM 241A for 2M packet; a complete Collins station 32S-3 and 75S-3B; and a Kenwood R-2000 receiver for shortwave listening.



Donald Simonsen, K7AEJ, chief operator at the VA ARC in White City, Oregon.

The antenna setup includes two towers with triband three-element beams, one 36 feet high and the other 30 feet high. Each beam has an Isopole 2M vertical antenna on top and it turns with the beam. Three hundred feet south of the towers we have 75 and 40M dipoles on 40 ft. poles. There is also a 10M vertical on top of the club station. The club station has worked 128 countries and 40 states in the last two years. We are very grateful to the members of the Rogue Valley Amateur Radio Club of Medford, Oregon, for all their work in set-

ting up and repairing our antennas; VA patients are not allowed to work on elevated antennas or climb on roofs even though we are licensed amateurs.

—Information submitted by Don Simonsen, K7AEJ



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The G5RV ALL-BANDER antenna is constructed all metal (3-1/2" dia. ERG 102 base tube, 2" x 2" MHT) the antenna may be used as a Marconi type antenna when used with a tuner and good earth ground. The proper combination of a 100 foot beam and 21 feet of 300 ohm SWR matched transmission line antenna (available on all the internet options from 89 through 18 meters with only plus antenna. There is no need to trim and wire. The impedance present at the end of the 300 ohm SWR matched transmission line is about 50-60 ohms, a good match to the 75 feet of RG58 that base used. It comes completely assembled ready to be installed, handles 2 SW PEP and may be used in a horizontal or inverted 'V' configuration.

MODEL	BEAM	LENGTH	PRICE
G5RV-MS	30-10'	102'	\$49.95 PPD
	(70000 PLASTIC)		
G5RV	50-10'	120'	\$34.95 PPD
	(60' wire or cable, with 21' SWR feedline)		
G5RV-JR	40-15'	81'	\$39.95 PPD
	(50' wire or cable, with 20' SWR feedline)		

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Topographic Mapping Software—A Review

National Geographic's Topo! OREGON 4.6.0 Mapping Software; a review by Joe Gunderson KB7QMT

I purchased this program covering the state of Oregon so that I could locate ghost towns (another passion of mine) in this magnificent state of ours, as I proceeded to learn how to use it I realized how perfect of an addition this was for my HAM shack. It is available for all U.S. States separately.

This program seamlessly joins all of the USGS maps down to 7.5 minutes scale. There are 5 levels of maps from 1096.3 x 687.06 miles to 2.41 x 2.64 miles scale. This allows you to get right up and personal with contours. Now your thinking why is this valuable for the HAM shack? Well, unlike the regular flat maps, the joined maps allow you to see a 3D rendition of the area and turn it 360 degrees on a split screen!

Also the maps are able to be downloaded to a Garmin GPS unit. You can find a point you wish to locate and set up a repeater station, camp or what not and see the surrounding terrain as to what is blocking your signal and use it to your advantage. It allows you locate spots by name or by Lat/Long and then mark them. These maps are printable and you can purchase paper that is durable and water-proof for inkjet printers.

I have not figured out all the features yet, and it has many, but I am impressed with what I have learned so far. It has a good help section that I have used on occasion and is doing everything I wish it to do.

Suggested retail price is \$49.95, but 4x4books.com sells it for \$39.95 + \$6 S&H. This would be a great item to add to your Christmas wish list.

For Sale (proceeds go to RVARC)

Morris Prosser is donating the following items. All sales proceeds will go our club. Contact Morris directly if you are interesting in purchasing an item.

- B&K Signal generator E-200D, range 100KHz to 54MHz fundamental, harmonics to 216MHz. 100 KHz and 1 MHz calibrator built in. 400Hz modulation not working. Manual included. \$30.
- B&K frequency counter 1803C, range 5Hz to 100 MHz. No manual. \$50.
- Wavetek function generator 182A, range .004 Hz to 4 MHz. Sine, triangle, square, TTL pulse outputs. Manual included. \$70.

Morris, KB6QR
(541) 857-6431
jmrosserm@charter.net

Galvanic Corrosion

Dissimilar metals in contact with each other galvanically corrode, especially in outdoor or wet environments. In those environments, it's best to avoid materials further apart than 0.15 volts in direct contact. For indoor dry use, up to about 0.5 volts potential difference can be tolerated. The table below shows the potential of some common metals. The most sacrificial of the metals are towards the bottom of the table. Magnesium is frequently used in water heaters as a sacrificial anode to protect the steel water tank.

Copper on Zinc or Galvanized Steel is especially problematic. Bronze usually works well with both copper and stainless steel.

Most Cathodic (Least Sacrificial)	Voltage
Gold	0.00
Rhodium	0.05
Silver, Nickel-copper alloys	0.15
Nickel, titanium	0.30
Copper, low brasses or bronzes, silver solder; nickel-chromium	0.35
Brass and bronzes	0.40
High brasses and bronzes	0.45
18% chromium type stainless steel	0.50
12% chromium type stainless steel	0.60
Tin-plate; tin-lead solder	0.65
Lead	0.70
2000 series wrought aluminum	0.75
Wrought or gray Iron, plain carbon and low alloy steel	0.85
Aluminum, alloys other than 2000 series aluminum	0.90
Aluminum, cadmium, chromate	0.95
Hot-dip-zinc galvanized steel	1.20
Zinc	1.25
Magnesium	1.75
Beryllium	1.85
Most Anodic (Most Sacrificial)	

For Sale

For sale: Cushcraft R7000 vertical antenna. Covers 10 thru 40 meters, including WARC bands. Does not require radials. Rated at 1500 watts PEP.

This antenna was used on the 20 and 40 meter phone position at the RVARC 2011 Field Day. Price \$ 75.00.

Herb Grey W7MMI 541-773-4765

Pacificon 2011, Santa Clara, CA

PACIFICON 2011, The West Coast Ham Radio Convention, returns to the San Francisco Bay Area and will be sponsored by the Mount Diablo Amateur Radio Club. It will take place Friday, October 14th through Sunday, October 16th, at the Marriott Santa Clara Hotel, 2700 Mission College Boulevard, Santa Clara, California 95054. (Telephone 408 988 1500).

Friday is an all-day session on antennas.

Saturday all-day and Sunday morning consist of a wide variety of forums and presentations.

For Events, Latest Updates and Ticket Sales go to: www.PACIFICON.org

Amateur Examinations

Amateur Exams are available near both Medford and Grants Pass. The exam fee is \$15.00— bring proof of license or exam elements passed, for prior credit.

Medford—RVARC

Oct 29th, 8:30 AM (Walk-ins allowed).

Contact: DON BENNETT
(541) 772-1396

kg7bp@arrl.net

Location: VA Domiciliary-Building,
223 Crater Lake Hwy -Route 62,
2nd floor North (VA HAM RADIO RM),
White City, OR 97504

Grants Pass—SOARC

Aug 26th and Nov 18th 6:00 PM.

Contact: WILLIAM A TYNER
(541)476-2703

GOODGRENDL@GMAIL.COM

Location: Fruitdale Grange,
960 Rogue River Highway,
Grants Pass, OR. 97526

Al Edwards, N7CGC SK

A longtime member of the RVARC club, Al G. Edwards, N7CGC passed away in August at the age of 84. Al was at various times treasurer, newsletter editor, copying and mailing, and membership chair for RVARC and a very active member of our club for many years.

He was born in Bagdad, Iraq in 1927 and attended various primary and secondary schools in St. Louis and Sao Paulo. He graduated from Yale University, and later received his Divinity degree from Westminster Theological Seminary.

Al was a ham for over 50 years, and liked to tinker in his workshop on various gadgets.

He will be missed.

Next Club Meeting

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