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Everyone's Irish
On March 17th.



It Appears By Spears



As I said last month, I spent part of my Orlando Vacation at the Orlando HamCation. It was an interesting experience. In addition to two large halls of vendors, there well over 100 swap meet -type tables. You could purchase anything from tubes to bed sheets (I am not kidding). The highlight for me was the ELAD

booth where they we demonstrating their new Amplifier. In addition to adding more power it will allow for control of your station over the internet. They told me it would available in May in time for Dayton. I have included a picture on Page 11.

The County of San Diego issued a Request

for Quote for consultant to create a Radio Amateur Civil Emergency Services Plan. Part of the requirements is to meet with stakeholders including ham radio clubs. It should be interesting to see where they go with this.

73 de KM6CXW
Keith Spears
Editor

President's Report



Greetings fellow HAMs! Don't forget, Sunday March 11th we get to set our clocks ahead for Daylight Savings Time. Also, please find an announcement on page 10 about an upcoming bylaws amendment vote. I

hope everyone had a blast at Yuma, I have seen plenty of pictures, and heard lots of stories about it already. Please also be thinking about meeting topics, and tech-talk topics, what do you want to hear about? Did you hear something neat at

another club that you'd like us to explore getting for our presentation? Thanks all, and see you Wednesday!

73 de K6JPE



Board Members and Committee Chairs

Board of Directors

President	Joe Peterson, K6JPE	(619) 630-8283
Vice President	Charlie Riistorcelli, NN3V	619-368-7617
Treasurer	Tom Ellett, W0NI	(858) 546-1148
Secretary	Rainer Muller	
Director 1	John Kuivinen, WB6IQS	(760) 727-3876
Director 2	Greg Gibbs, KI6RXX	760-583-9668
Membership Chair	Glen Christensen, AI6RR	(858) 735-1144
Repeater Technical Chair	Mark Raptis, KF6WTN	
Scope Editor	Keith Spears, KM6CXW	(858) 472-8442 Text Welcome

Non Voting Memembers

Repeater Site Chair	Mark Raptis, KF6WTN	(Acting)
Webmaster	Guido Sansonia, NO6I	(760)-224-6824
Trustee	Michelle Thompson, W5NYV	mountain.michelle@gmail.com

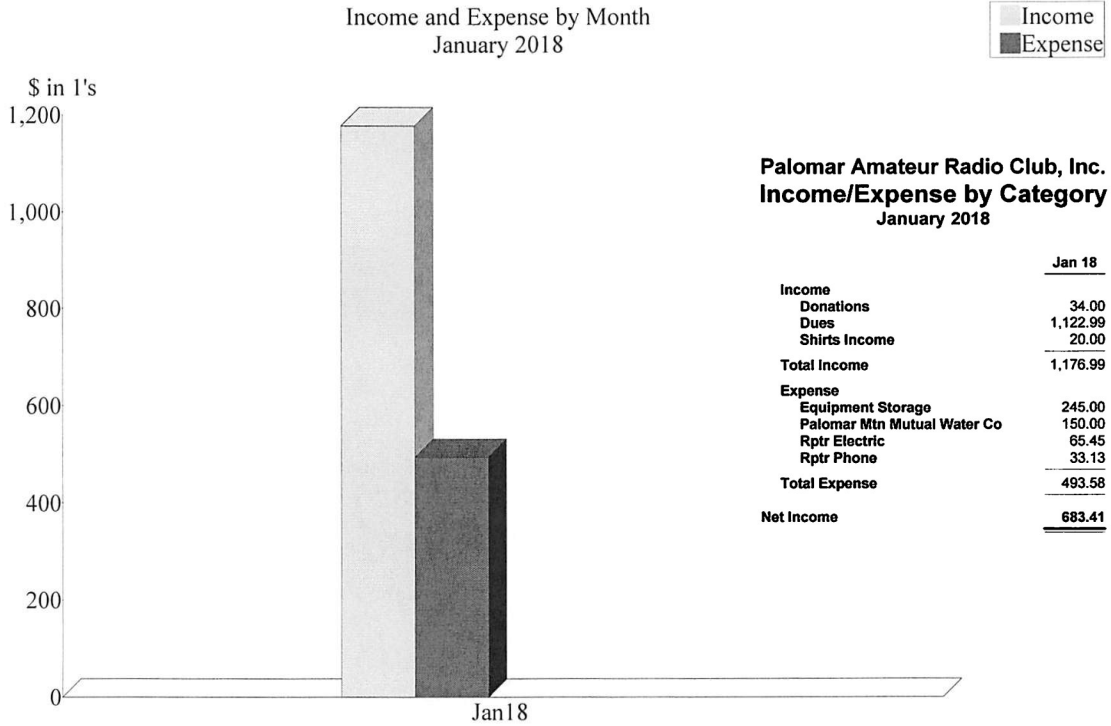
Committee Chairs

Boy Scouts	Michael Palugod	mpalugod@yahoo.com
Digital ATV	Michelle Thompson, W5NYV	mountain.michelle@gmail.com
Echo Link	Bernie Lafreniere N6FN	N6FN@niftyaccessories.com
HF Remote	HF Remote SIG	hfremote@palomararc.org
Mesh Networking	Michelle Thompson, W5NYV	mountain.michelle@gmail.com
Operating Day	Tom Martin K6RCW	k6rcw@amsat.org
SANDARC Representative	John Walker AC7GK	ac7gkjohn@gmail.com
SANDARC Representative	Paul Williamson KB5MU	kb5mu@amsat.org
SD Microwave Group Liaison	Kerry Banke N6IZW	kbanke@sbcglobal.net

Articles Wanted

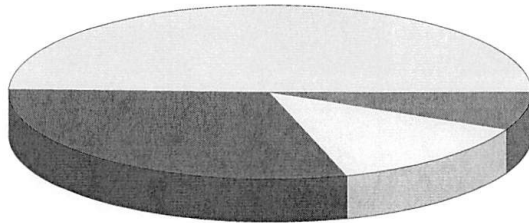
As you notice, there is no technical articles this month as I received no submissions. Please consider sharing your knowledge. Product reviews, tips and tricks and anything else related to radio is welcome.

Income and Expense by Month
January 2018



Expense Summary
January 2018

Equipment Storage	\$245.00
Palomar Mtn Mutual Water Co	150.00
Rptr Electric	65.45
Rptr Phone	33.13
Total	\$493.58



By Account

March Program

Technology Hour. - This month's program we are continuing to present the first of a series of technology oriented sessions. In this program, Howard (KY6LA) is going to discuss electrical equipment grounding in a hamshack.

Coffee at our Meetings

Thanks to a donation from club secretary Rainer Mueller KJ6OOG, we now can offer coffee to our members and guest at our monthly meetings. Rainer purchased and then donated a Keurig coffee maker to the club so that we don't have to drive to the meetings with a hot cup of coffee between our knees. As many of you remember, that was a lawsuit vs. McDonald's a dozen years ago.

Since it's a Keurig, it allows us to choose our coffee type and strength. We have regular and decaf, as well as sweetener, artificial and real sugar, cups, lids, stirring sticks, creamer, and napkins. We're asking for a \$1 donation to cover the cost of the expendables.

The February meeting was the first meeting we tried the coffee, and without any previous advertisement about 10% of the attendees enjoyed a freshly brewed cup.

Rainer sets up the mess in the back of the room, this changes with the placement of the audience chairs.

Upcoming Events

Wednesday, March 7th,	7:30	PARC Meeting	Carlsbad Safety Center
Wednesday, March 14th	7:00	PARC Board Meeting	Poway Fire Station #3
Wednesday, April 4th	7:30	PARC Meeting	Carlsbad Safety Center
Wednesday, April 11th	7:00	PARC Board Meeting	Poway Fire Station #3
April 20th—22nd	All day	DX Convention	Visalia, CA
Wednesday, May 2nd	7:30	PARC Meeting	Carlsbad Safety Center
Wednesday, May 9th	7:00	PARC Board Meeting	Poway Fire Station #3
Sat. & Sun. June 23rd & 24th	All Day	Field Day	Valley Center

Repeater Status

This list includes W6NWG repeaters operated by PARC and other repeaters open to use by PARC members. All W6NWG repeaters are located on Palomar Mountain and are open to all amateurs.

Frequency	TX	Tone	Call sign	Remarks
52.680	-	107.2	W6NWG	Back on the air
146.730	-	107.2	W6NWG	System Fusion enabled. See Note 1
147.075	+	107.2	W6NWG	System Fusion enabled. See Note 1
147.130	+	107.2	W6NWG	System Fusion enabled. See Note 1
447.000	-	107.2	W6NWG	FM only for EchoLink Call Sign N6FN-R
224.900	-	107.2	WD6HFR	Convair/220 ARC
224.380	-	107.2	KK6KD	HARS Hispanic Amateur Radio Society Open
224.940	-	107.2	KK6KD	HARS: Sharp Chula Vista Hospital, Open
145.260	-	107.2	KK6KD	HARS: San Diego Open
147.945	-	107.2	KK6KD	HARS: System Fusion Mt. Miguel Open
448.460	-	151.4	KK6KD	HARS: Mt. Miguel, San Diego Open
145.460	-	110.9	XE2DXA	HARS: Tijuana, Mexico Open
146.970	-	107.2	KA3AJM	Vista-Sponsored by MetroNET
146.175	+	107.2	N6FQ	Fallbrook ARC; linked to 445.600
445.600	-	107.2	N6FQ	Fallbrook ARC; linked to 146.175
145.050	s	N/A	W6NWG-1	Packet node; linked to metro 9600 net 1
146.700	-	N/A	W6NWG-3	Packet duplex repeater; Duplex 3

PARC operates an armature fast-scan television repeater. It's currently off the air. Currently there are not links to other ATV sites.

- ATV in: 915 MHz WBFM audio subcarrier 5.8 MHz
- ATV in 2441.5 MHz WBFM, audio subcarrier 6.0 MHz
- Intercom: 146.415 MHz NBFM simplex (tone 79.7). Currently not working.
- ATV out: 1241.25 MHz VSB, NTSC Standard

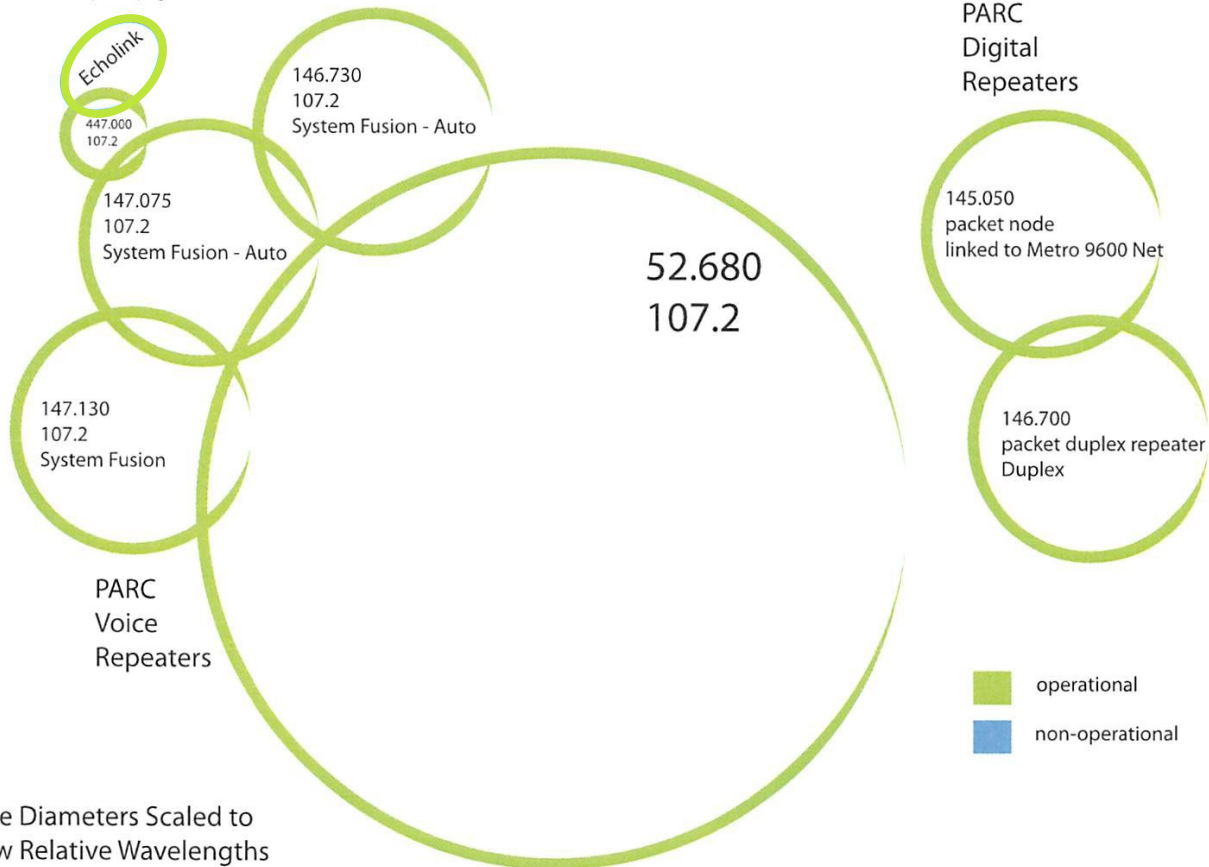
The PARC repeater site on Palomar Mountain is located at 5560 feet above mean sea level and 2132 above mean terrain. It covers most of San Diego County and beyond into Mexico and out to sea, and is shielded from the North.

Note 1: All Fusion enabled repeaters require a CTCSS tone of 107.2 Hz to access the repeater and also transmit a 107.2 Hz tone. Since the repeater output has a 107.2 tone you can enable CTCSS receive tone squelch on your transceiver which will eliminate interference from spurious noise and other repeaters. Control operators have the capability of setting the Fusion Repeaters to FM only operation. Consequently if you can't bring up the repeater in C4FM digital mode, try using normal FM mode. When in FM mode all Fusion repeaters have a 3 minute maximum transmit time, after which the repeater will cut off transmission until after the received signal drops. To prevent timing out the repeater after someone finishes talking, wait until you hear the courtesy beep which indicates that the 3 minute time has been reset. If a transmit timeout happens the repeater will provide a voice message indicating that the maximum transmit time has been exceeded.

Note 2: PARC no longer operates an autopatch or packet BBS

Reported Repeater Status

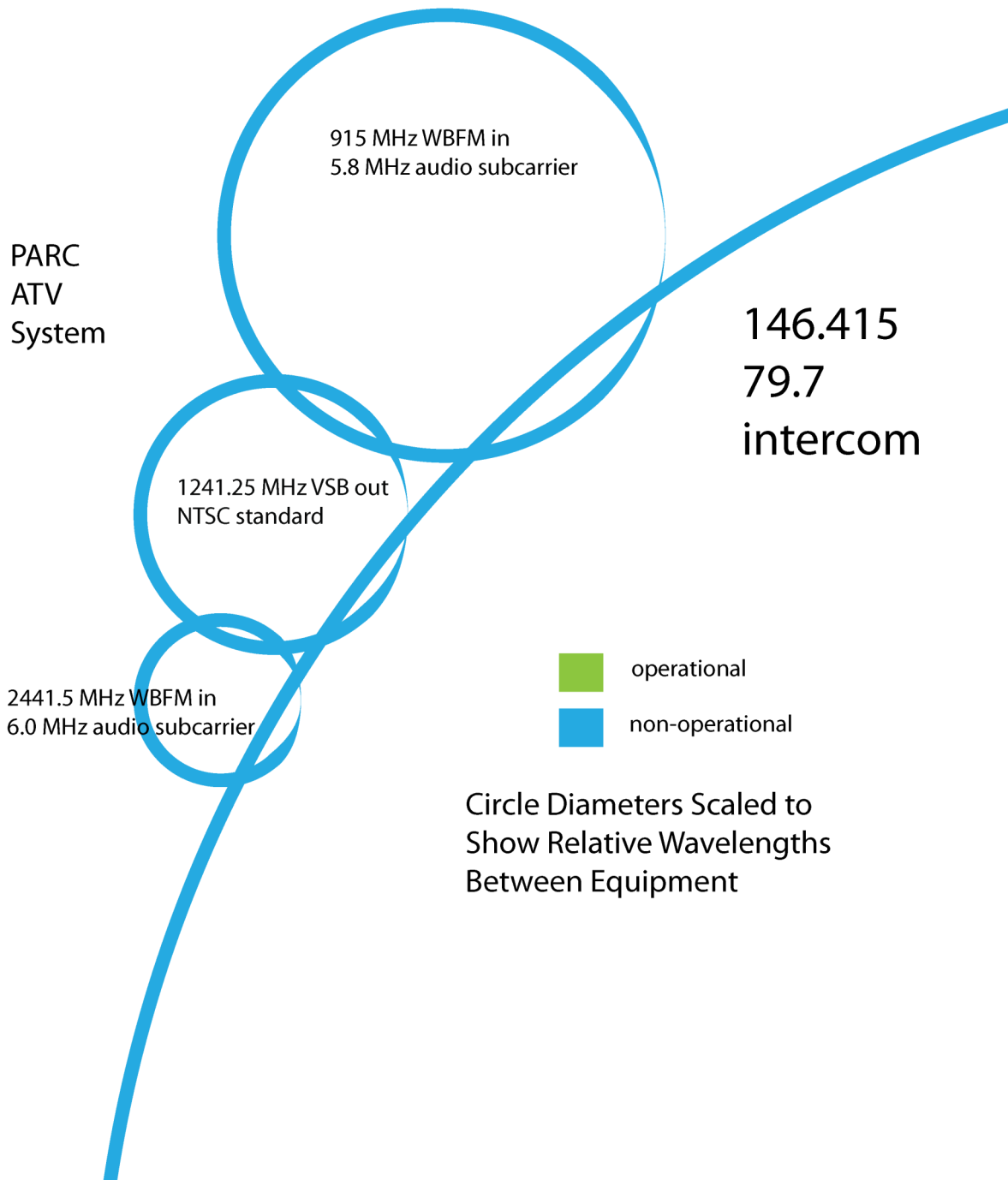
Active repairs in progress for Echolink.



Circle Diameters Scaled to Show Relative Wavelengths Between the PARC Repeaters

Thanks to Michelle Thompson, W5NYV for the repeater status graphics.

Reported ATV Status



Membership Report

You can check the status of your membership 24/7 at Member List or go to the club's website and navigate to Join and click on "here" at the top of the page. Enter your call sign into the box and click the "Look up my membership status

now" button. To renew your membership or extend your membership, fill in the form on the Join page. Make sure you select the correct value from each of the drop-down menus (Type of Membership, How many years, I'm an ARRL Member,

Newsletter option and License Class). If you want to receive an email when your membership is coming due for renewal, please make sure that I have a valid email address for you. To do that, please send an email to Membership@palomararc.org.



Check the status of your membership 24/7 at [Member List](#). If you don't find your name and callsign on that page, then your dues have lapsed. If you have questions, send email to Membership@palomararc.org.

Donate to PARC by Shopping at Amazon

As publicized earlier this year, PARC is now a not-for-profit charity, and funds donated to PARC are deductible for income tax purpose if you itemize. PARC also announced

that in cooperation with Amazon, it is now possible to shop on Amazon at NO cost increase, and have Amazon distribute a percentage donation to PARC.

This is done by shopping on www.smile.amazon.com. If you choose to avail yourself of this opportunity, when shopping on www.smile.amazon.com,



Polo Shirts

We're ordering Polo shirts! Some of you already have orders in with me from the last meeting, please be ready to pre-pay for them so we can get the order placed ASAP! We need

20 shirts to get the price I've been quoted. If we end up with 30+ then the price goes down and I'll have a little change for those who have pre-paid once your shirts come in! Base price: \$21.00 includes printing on the front, PARC logo on one

side and your name/callsign over the pocket. Add \$2.00 for 2XL, \$3.50 for 3XL, or \$5.00 for 4XL Add \$5.00 if you also want the logo printed large on the back.

73 de K6JPE



Proposed Bylaws Amendment 2018-A

Purpose:

To bring the bylaws into alignment with current practice, and clarify what is required.

Discussion:

Back in 2001, the board decided that the expense of maintaining a “retail” insurance policy on the club-owned equipment was not financially responsible, due to multiple reasons; Most of the equipment was donated, cobbled together from pieces and parts, upgraded, repaired, modified, etc. so replacement cost justification to insurance companies might be problematic at best. The largest danger we have on the mountain is fire, and many insurance policies allow the underwriter to claim fire as an “Act of God” and deny coverage. The decision was made to start a self-insurance fund, a CD that gains interest over the years and we continue to fund that with the money that we would have spent on a retail policy. In 2013, the same discussion came up again, and again it was determined that self-insurance was sufficient for our needs. The current board agrees that self-insurance is still the best course of action for our insurance needs, but will continue to re-evaluate the situation in future years – so the option to have either a retail policy OR self-insurance gives future boards the ability to make that determination as it sees fit. An informational point, we have had only one equipment loss due to theft, which happened in the mid-1980s, and that loss was not claimed to insurance, but was replaced by the membership. For further information, please see page 4 of the June 2013 SCOPE.

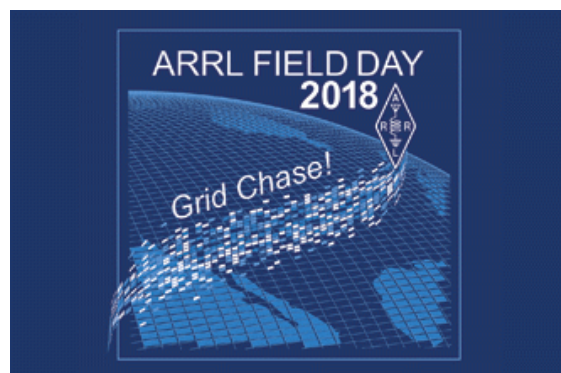
Text of Amendment:

In Section 10(e), add the words “or self-insurance fund” as highlighted below :

(e) The corporation shall obtain and maintain a general liability insurance policy from a national coverage insurance company to cover liability of the corporation and its officers, directors, employees, and agents in the amount of at least \$1000.00, or such greater amount as the board may determine. The corporation shall also obtain and maintain a policy or self-insurance fund to cover Theft or Fire loss of corporation property in such amount as the board shall determine.

Authored by:

Joseph Peterson K6JPE
President, Palomar Amateur Radio Club



Scenes from the Yuma Ham Fest



Orlando HamCation



Has to be something good here!



New ELAD amplifier and speaker



Back view of amplifier. Look at that!

**69TH ANNUAL
INTERNATIONAL DX CONVENTION**

IDXC

SCDXC / NCDXC

APRIL 20 - 22, 2018
VISALIA, CALIFORNIA, USA



SCOPE
PUBLISHED BY THE
PALOMAR AMATEUR RADIO
CLUB

EDITOR
KEITH SPEARS
KM6CXW

Editorial Policy

The Scope welcomes and encourages members to submit articles, photos, stories, equipment reviews and any other items of interest to ham radio.

The Palomar Amateur Radio Club reserves the right to edit all submissions for content and length.

Please submit documents in MS Word format and photos as JPEG or GIF. Flyers may be submitted in PDF.

All submissions need to be received by the 20th of the month.

Send submissions to:

scope@palomararc.org



Palomar Amateur Radio Club

The Back page is a place for ham radio humor. If you have a joke, cartoon or just a fun story about ham radio, please share it with me.



Irish Humor

Two Irishmen were working in a park. One would dig the holes and the other would fill them up. A passerby asked "Why do you dig a hole only to have the other guy come right behind you and fill it up?" The Irishman replied, "Normally we are a three man crew, but the guy who plants the trees called in sick."

Paddy and Mick are walking down the street. Paddy has a bag of donuts and says to Mick "If you can guess how many donuts I have in this bag you can have them both".

Seen on a t-shirt at an Irish Bar: I will have what the guy on the floor is having"

On St. Patrick's Day I pretend to be Irish, just like on Christmas I pretend to be good.

Two Irishman walk out of a bar.
Hey, it could happen