



# RAY~Link

Issue 63  
April 2008

The Regular Newsletter of The Radio Amateurs' Emergency Network



North Yorkshire Groups Groups at Exercise Prang (Page 3)

## IN THIS ISSUE

- Editorial
- Duty of Care
- Exercise Prang!
- Interference Filters (incl Loan Scheme)
- PMR General Licence—Group Permits
- Chairman's Open Letter to Members
- Getting Lost With a GPS
- Co-ordinate Converters
- Health & Safety (Discussion Forum)
- Silent Keys

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**Membership Subscription Rate.** From 1<sup>st</sup> January 2008 this is inclusive of PAI cover whilst on RAYNET duties, and is **60p per month** (£7.20 for 1 year, £14.40 for the maximum permitted 2 year period).

## Editorial

How time flies. We are back to the light evenings, the 'busy season' and the second RAY-Link of the year. During April and May the membership in 40 Groups & two Zones expires (see inside back cover) so if you have received this and no one has mentioned membership renewal to you, you need to leap into action; Murphy's Law dictates that if you are going to have an accident whilst on RAYNET duties it will happen when your insurance cover has lapsed!

Don't forget, we need *your* contributions if we are to produce a varied and interesting RAY-Link four times a year. Contributions don't have to be limited to articles, you may have little snippets that are useful or humorous, interesting URLs you may wish to share, some question you want to ask, or debate you wish to raise. And, whilst on the matter of not forgetting, remember that we rely on volunteers for everything, and at national level not having enough of them seriously inhibits what we are able to achieve. Please have a look at the last edition of RAY-Link 'Situations Vacant' pages at the back of the issue (you can download any back issue from our web site). Also a couple are repeated on the inside back cover of this edition. □

## How Health & Safety Legislation & A Duty of Care Applies to Volunteers

Technically, the provisions of the Health & Safety at Work (HSW) Act do not apply to organisations that are completely voluntary.

Apart from it being good practice for us to follow the standards set by the HSW Act, wholly voluntary organisations are not without legal responsibilities and this element of our Manual is currently under revision with a view to putting more emphasis on health and safety.

The HSW aside, all organisations and people have a legal duty of care under common law to avoid causing harm to any person. This duty applies irrespective of the size and resources of the organisation. Not only do we have a duty to minimise risk of harm to the general public, but also to our members. So, if we ask a member to carry out a task that results in injury to that member or another member, then the organisation may be liable. That is why, nationally, a great deal of time and effort has been put into ensuring that our insurers know exactly what we do and consequently our members are properly insured. An interesting fact is that only 20% of accidents are insurable risks!

This duty of care extends beyond our normal activities. For example, if one Group loaned its Control Vehicle or a generator to another Group and either turned out to be dangerous then the lender could be liable—assuming the dangerous condition did not arise after the loan was made.

For more on this see page 8 (*When Did You Last Visit Our Discussion Forum*) Jim G1HUL provides some useful tips about things to consider from a safety aspect when 'in the field'. □

# EXERCISE PRANG!

BRIAN DOOKS G0RHI  
COUNTY CONTROLLER  
NORTH YORKSHIRE RAYNET



brian@blooks2.wanadoo.co.uk

The scenario was simple - a train carrying 60 passengers on the North Yorkshire Moors Railway collides with a van on an unmanned level crossing and the emergency services are required to deal with the aftermath as a 'no-warning' exercise.



There are 'fatalities' and nine seriously injured 'casualties', plus 'walking wounded' to be evacuated from a site approached down a steep hill on a narrow unsurfaced track. The exercise was set up at Farwath, four miles north of Pickering on a section of the privately run railway in a remote, steep sided valley where there was no cellphone cover and emergency services communications did not work.

RAYNET, who had been called in as part of the exercise planning team, were 'gentlemen' and not 'players'. Our role was to provide an administration net for the Exercise Director, David Monk-Steel, and the co-ordinators - linking the exercise site with the North Yorkshire Moors Railway Gold Control in Grosmont, the emergency services RV point/Silver Control and two sites in Pickering, including the station.

It was planned by the North Yorkshire County Controller, Brian Dooks, G0RHI, the Cleveland Controller, Richard Trotter, G8EIA, and the Richmond Controller, Gerald Brady, G0UFI. Path tests established that three talk-through units linked by six metres were required to achieve the necessary coverage. In and around the exercise site two of the talk-through units functioned as in-band repeaters on separate two metre frequencies so that all stations could hear everyone. This is an area where the radar at RAF Fylingdales Early Warning Station causes problems on 70cms.

When a 999 call was put in by landline

from a farm near the 'crash' site, North Yorkshire Police, North Yorkshire Fire and Rescue Service, the Yorkshire Ambulance Service and the Scarborough and Ryedale Mountain Rescue Team were mobilised. Police and Ambulance sent their mobile controls to the RV point. Fire Service sent four pumps, including a 4x4 unit.

A Sea King helicopter from the Search and Rescue Flight at RAF Leconfield in East Yorkshire and the Yorkshire Air Ambulance also landed close to the site and were involved in removing seriously injured 'casualties' to Scarborough Hospital. But part way through the exercise both were tasked to real incidents and the Air Ambulance did not return.

RAYNET's only real problem during the day was the discovery that one of our nine metre masts at the RV point had been erected on a grass verge at the end of a previously unknown private landing strip. The obstruction was moved after the landowner explained that the field might be needed for flying.

The role players on the train consisted of volunteer rangers from the North York Moors National Park, who were made up to have serious injuries. Because the exercise was held in such a remote and inaccessible location, a second train was sent from Pickering Station to evacuate the 'walking wounded'. Casualty documentation was completed at the station.



Although RAYNET provided almost constant communications to and from the scene for the exercise co-ordinators, we were asked twice by the emergency services if we could become 'players' to improve their communications. We were also requested to pass messages to Scarborough Hospital and other locations because there was no cell-

phone cover at the site.

Paper message logs were kept at Grosmont - where Richard, G8EIA, ran net control - and at the exercise site. In addition, all RAYNET radio transmissions were recorded to a PC hard disk file with date and time stamps showing when each transmission started. The program was written specifically for RAYNET use and is free to RAYNET members from <http://clevelandraynet.awardspace.com/programs.htm> The Exercise Director and co-ordinators expressed their thanks to RAYNET for our input. Thirteen RAYNET members from the Cleveland, Richmond, Nidderdale and Leeds Groups took part. □

## Charles Bottoms G4PIP *Silent Key*

It is with regret that we report the passing of one of our long-standing members, Charles Bottoms on the 19th January, 2008 in hospital after a period of poor health.

Charles was first licensed in 1981 as G8ZFE acquiring G4PIP in 1982. He had been introduced to amateur radio in 1936/7 by the late G8PD who was a near neighbour and school friend.

His interests were very much in construction, building his own receivers. He had a busy life with University, BSc, and the war and as an executive in manufacturing. He lived and worked abroad for a while then following retirement studied for a BA degree to update himself in scientific developments, computers study and electronics.

He was passionate about encouraging younger people in scientific and electronics matters, producing demonstrations that were used in local schools and the University of Warwick for Science Week. He was a Novice instructor taking many through to Novice Class passes.

Charles was one of the early members of RAYNET in Warwickshire; he was Controller for South Warwickshire District RAYNET in 1982; Deputy County Controller in 1985 then County Controller from 1986 for many years.

With failing health he was sorry not to be a regular attendee at Radio Society meetings.

## EFFECTIVE 2M/70CM IN-LINE FILTERS

As Groups suffer increased interference, our technical team consider solutions and offer loan scheme



Greg Mossop GODUB  
National Technical Team  
Leader

Many RAYNET groups are increasingly suffering interference from nearby PMR and pager sites, as well as other RF sources. A recent review of talk-through reports confirmed that this problem was not getting any better but the solution to the problem is, of course, effective filtering of the receive signal.

Groups around the country have had considerable success in the past with band-pass filters for 2m and 70cm from one particular manufacturer, DCI. Originally available in single band versions, these filters are now also available as dual band units increasing their usefulness in cross-band talk-through situations. They are highly effective filters but somewhat costly with some members adapting simple band pass networks from former PMR gear as a cheaper alternative.

Recently though some alternative suppliers of filters have come into being, usually manufacturing filters from discrete inductors and capacitors rather than the helical resonator type made by DCI. This

greatly reduces the price of the filters albeit at the cost of reduced filtering performance as can be seen in Figure 1. The size of the filters is significantly reduced (see picture) as well as the risk of mechanical damage in transit.

### Practical Use

Both kinds of filters have been used in environments where stations and/or talk-throughs have been in very close proximity to hilltop PMR sites, and in temporary control rooms with multiple PMR systems being used in the same room and on the same mast as the RAYNET equipment.

The DCI filters are more likely to filter 100% of out of band interference, even when using amateur equipment with "barn door" receivers. The relative cost of these units though can be a deterrent to some groups purchasing them, especially if multiple User Services sites are likely to need some filtering. Alternative units have less effective filtering but dependent upon the source and level of interference, some protection is also gained from the frequency split between our operations and the interfering signal and the net effect of suppressing the interference remains the same.

### Filter Loan Scheme

To help Groups choose the most appropriate filter for their needs, the Network has purchased a 2m and a dual band 2m/70cm filter from Cross Country Wireless for loan to groups to enable them to test the level of filtering required. This represents a cost effective compromise since we are reasonably confident that the filters will survive multiple passes through the postal system and help groups identify both the type and magnitude of the interference they need to suppress. If the loan filters reduce but don't totally suppress interference then a DCI is probably a better choice, if they

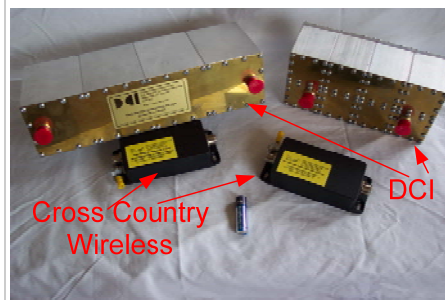
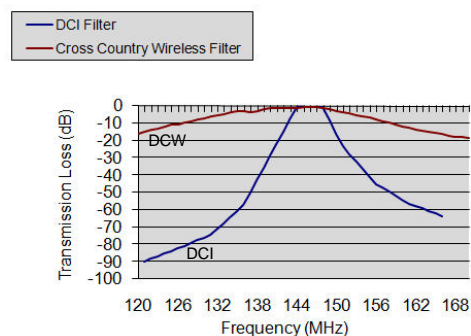
kill the interference altogether then the more expensive option is not required. What we can't cure though is the increasing amount of in-band QRM from computer systems, against which neither filter will be effective.

The filters are available for loan from the Technical Team on the following terms;

- Loans will only be made to member groups of the Radio Amateurs' Emergency Network
- There will be time limits on loans depending upon demand
- The Network will pay the postage and packing to get the filters to the Group
- The group pays the postage and packing for the return of the filters either to the Technical Team or the next nominated recipient of the filters.

Loans will be made on a first come first served basis and requests should be made to the Technical Team by email at [technical@raynet-uk.net](mailto:technical@raynet-uk.net).

DCI & Cross Country Wireless Filter Comparison



The Filters with an AA Battery Shown for Scale

### Joe Binnings G3AJS *Silent Key*

It is with great regret that Essex Raynet have to report the sad loss of Joe Binning G3AJS. Joe will be remembered by all as the county controller of Essex Raynet for many years and never one to miss a net.

For those that visited Joe's shack, it was clear that he was a true amateur, having to move equipment to dodge rain drops from the leaking roof at times. But always there, and always ready to chat if anyone called on 144.800MHz and latterly 144.675MHz.

Joe whilst not being one of the founder members of Essex Raynet, was most certainly one of the longest serving and hardest working.

### Contacts

DCI's agent in the United Kingdom is Waters & Stanton plc. ([www.wsplc.com](http://www.wsplc.com)) Readers may also be interested in more technical background on the filters from DCI's own Web page ([www.dci.ca](http://www.dci.ca)) which includes Network Analyser plots for all their filters.

Cross Country Wireless offer a number of filters for sale through their website [www.crosscountryradio.co.uk](http://www.crosscountryradio.co.uk) where more technical information is available. Mentioning that you are a RAYNET member prior to purchasing may also get you a pleasant surprise since the proprietor is also a member!

If you require further information on these filters, please contact The Technical Team—[technical@raynet-uk.net](mailto:technical@raynet-uk.net). □

## THE NETWORK LAUNCHES ITS UK GENERAL LICENCE

Over the past year, the Emergency Planning and Technical Teams, in conjunction with the Company Secretary, have been working to make available permits to use The Network's UK General Licence.

This licence allows the use of specified non-amateur frequencies in the Low & High Band VHF and UHF bands.

The purpose of the licence is two fold.:

It will allow Groups to use non-amateur members over greater ranges than the free PMR 446 system will allow

and

It will also allow direct communication with the St. John Ambulance and Red Cross who

County & Group Controllers may apply for a permit to use



IAN JACKSON G8RWH  
RAYNET COMPANY SECRETARY  
ian.jackson@raynet-uk.net

also use UK General frequencies.

There is a "...but". . .

The licence expressly prohibits the use on non-type approved equipment *i.e.* the use of amateur radios will be illegal on these frequencies.

A standard channel allocation and CTCSS has been devised which will allow groups to work together and has been chosen to minimise interference with SJA or Red Cross. The channels and tones for those organisations are not given as a separate letter of authority is needed from them.

The use of callsigns is not specified in the licence but, as we all know, they do aid communications and the RAYNET policy document does provide

a simple system for our use.

Applications to use the RAYNET licence should be made on form UKG-01. This, together with the policy document UKG-02, are available from [ian.jackson@raynet-uk.net](mailto:ian.jackson@raynet-uk.net). The forms will also be available on the web site shortly.

Please note that applications will ONLY be accepted from Group or County Controllers who will be directly responsible for the legal operation of the licence.

George Kallis 2W1JLK  
**Silent Key**

George was an active member of the Gwent RAYNET Group as well as being a member of the GB3BC Repeater Group Committee. George was also organiser more recently, of the Blackwood/Newport Radio Rallies.

## Wanted for our Information Services Team - Assistant Webmasters

### Introduction

Over the years Jim G1HUL, has developed our website into an Aladdin's cave of web and database goodies and now underpins much of what happens at national level. We need an assistant to Jim to help him maintain and develop further our website.

### Role

- To assist in the development of the RAYNET website, within the guidelines set down by the Webmaster and Committee of Management.
- To share duties connected with day-to-day maintenance tasks and user queries.
- To report to the IS Team Leader.

### Skills

Ideally currently employed as an IT systems developer with a working knowledge of:

- Web development using IIS6, HTML, ASP and JavaScript
- T-SQL and MS SQL use via ADO Relational database design
- Maintenance of MS SQL databases (including query optimisation and triggers)

Have experience of developing: Web-based response forms  
Data-driven page content; Forms validation using JavaScript  
Ideally, experience of using Adobe/Macromedia Dreamweaver

## CHAIRMAN'S OPEN LETTER TO MEMBERS IN RESPONSE TO RSGB NEWSLETTER & QUESTIONNAIRE



CATHY CLARK G1GQJ  
RAYNET NATIONAL CHAIRMAN  
chair@raynet-uk.net

Dear Member,

Like yourself, I joined RAYNET to put my amateur radio communication skills to practical use by helping the public.

However I feel that I need to bring to your attention a Public Services Portfolio Newsletter/Questionnaire published on 4th April 2008 on behalf of RSGB's Board apparently to all UK clubs and RSGB affiliated RAYNET Groups. Although this does not appear to have been widely circulated, it contains information and

ideas that could have a significant impact on all RAYNET members of whatever affiliation so I feel that you have a right

to know what is going on. A copy of the RSGB Newsletter/Questionnaire and the Network's initial response is available at <http://www.raynet-uk.net/main/rsqb.asp>.

There are some parts of the document which your Committee of Management wholeheartedly supports. For example we warmly welcome RSGB's initiative of encouraging better demonstration stations so as to bring more people into amateur radio. We also loudly applaud their statement on RAYNET unity which reads *'The policy of the RSGB Board in recent years has been "to look to the eventual unity of RAYNET activities", under the direction of the Network'*. There have been great strides towards unity of approach in many zones where RSGB, Network and Independent groups cooperate and/or have shared Zonal organisations already.

There are however a number of items on which we have reservations with their proposed approach, such as the need for a new public services committee and broadening the scope of User Services. It is regrettable that the RSGB did not choose to discuss these with the Network before publication of the document to avoid duplication of effort or the risk of presenting conflicting information to our User Services.

We have a meeting planned with the RSGB President, General Manager and Board Member for Public Services in July and would like to know your opinions to ensure that we represent the views of the Network as a whole. The Committee of Management as part of its annual strategic planning meeting will shortly be issuing a questionnaire to both its internal and external stakeholders (i.e. those involved in some way with the organisation). This questionnaire will now include a consultation on the subject

☉ *'The policy of the RSGB Board in recent years has been "to look to the eventual unity of RAYNET activities", under the direction of the Network'*

which will allow us to truly understand the thoughts and wishes of the UK radio amateur emergency communications community.

You may also wish to respond to the RSGB's proposals yourself - and it does invite comments and suggestions - please do so, but do read the Newsletter/Questionnaire carefully first. The contact details of the RSGB's Public Services Portfolio Board member are given on its first page.

### WHAT'S THE NETWORK'S CURRENT POSITION AS REGARDS THE RSGB?

- We support the RSGB's position as the UK's national amateur radio society and appreciate their recognition that a single national RAYNET organisation is essential. We are therefore very gratified that RSGB has now publicly recognised that RAYNET should eventually be united under the leadership of the Network.
- We want to support RSGB, much in the same way that AMSAT-UK does with satellites, BATC for amateur TV and the UK Microwave Group for usage above 1GHz. There are so many different and diverse aspects of amateur radio that it is impossible for RSGB's

Board and staff to have the depth of expertise, knowledge, sympathy and resources to properly promote and foster RAYNET and this is as much the case for the other specialist interest groups within the hobby.

- The Radio Amateurs' Emergency Network remains committed to the Memorandum of Understanding signed on 18th April 2004 with the Radio Society of Great Britain.

We have been affiliated to RSGB for over 10 years and have every intention of remaining so.

At various times in the past, leading members of RSGB have described RAYNET as "the jewel in the crown", "the

shop window of amateur radio" and other such complementary terms. We wish to provide amateur radio with a RAYNET organisation that justifies such accolades. It would be something that RSGB could derive significant benefit from.

Any difficulties that may have arisen in the past between the Society and the Network exist, almost without exception, at national level. We recognise that groups of all affiliations work well together on the ground and many participate in Zone Meetings often organised and chaired by the Network's Zonal Co-ordinators. We will continue to encourage and support ➤

### Eileen Daly G0TXF *Silent Key*

It is with regret that we report the death of Eileen Daly G0TXF, a member of Wirral RAYNET group, on Thursday 31 January 2008.

Eileen joined RAYNET in 1985 and became group secretary two years later. She became Acting Controller in 1993, and then Deputy Controller in 2004, before standing down the following year. She was also Merseyside County RAYNET Secretary from 1995 until 2006 and although over 80, was still active on RAYNET events until 18 months ago.

such participation in local RAYNET meetings and activity. I appreciate that most of you don't like to be involved in the political matters, but I felt that it was most important that you were made aware of these recent developments with the RSGB and all RAYNET Groups and have a full opportunity to respond so that any RSGB policy is based on the wishes of all the members of the Emergency Radio community.

We are a voluntary organisation and our members at all levels make great contributions in time and effort to progress the aims and objectives of RAYNET. In this issue of *RAY~Link* you will read of the rollout of the UK General Licence to those Groups who wish to improve their connectivity with User Services, loan filters for Groups who

are suffering from interference problems, in the background work continues on the update of the RAYNET Manual, issuing of talk-through permits and the submission of the first annual report to Ofcom on the operation of the talk-through scheme (at their request). We do not wish for our volunteers valuable time to be diverted from delivering real and effective services to our members to help them serve our User Services by having to deal with any political consequences of this questionnaire, as I pointed out at the start of this letter, we all joined RAYNET to put our skills to use to help the public.

Cathy Clark G1GQJ  
Chairman  
on behalf of the Committee of Management

## Getting Lost With a GPS

Have you been given a rendezvous point that is off road? As a RAYNET member, it is almost certain you have. In the past, well before beginning the journey (well, at least 5 minutes), you probably identified the map reference (NGR) on an OS map and planned the route in advance.

Now, of course you are likely to enter the reference into your GPS (albeit that you may have to convert it to latitude and longitude first) and driven off confident in the fact that you will reach your destination relaxed and un-distracted by a need to refer to the map. Of course the risk is that when you arrive at the point on a road nearest to the NGR there is no access. Obviously the author has *never* done this (!) but for those who might have *and* for those who issue the briefing notes here are a couple of suggestions.

Firstly, for those who issue the briefing notes. When you issue your briefing, as well as giving the NGR for the rendezvous point *also* give the NGR of the turning via which access from the road is possible. [e.g. *For access turn off the road at NGR AAAnnnnnn*].

To those of you who are relying on the GPS and who have not received details of where to leave the road to proceed along a woodland track or through a farm or wherever, don't forget the old fashioned method. OS maps remain indispensable!

## CO-ORDINATE CONVERTERS

Virtually every time we have an event these days, whether as the planner or as an operator, finding a location using a GPS should make life easier and certainly make it safer if travelling alone.

One problem is that the co-ordinates for anywhere are required in different formats for different purposes. For example, if you are surveying a route in advance using a GPS you may only be able to collect the data by latitude and longitude (lat/long). When you get back to sitting down with your OS map it is easier to use the National Grid Reference (NGR). Things are made even more complicated by the fact that lat/long comes in three different flavours. Whilst none of these is harmful to your health, you often can't choose which one you want. You may find your data is in degrees, minutes and seconds or decimal degrees or degrees and decimal minutes. One way to resolve this is to obtain a Ph.D in mathematics. Unfortunately it is highly likely that the event you were planning or attending will be over before you achieve this. It therefore makes sense to consider alternatives.

Before resorting to the Internet and the WWW it is well worth looking at Microsoft AutoRoute if you have it. There are some useful facilities in this. Firstly, under *Tools-Options-Settings* it is possible to select different lat/long

formats. Once the chosen format is selected turn on the Location Sensor (*Tools-Location Sensor*). Having done this it is possible to find a NGR using *Edit-Find-OS Grid*. The location of this grid reference will now be displayed on the screen. Move the mouse over this and the location sensor will show the position in lat/long.

Finally we come to the Internet resources available. Firstly, if you can find it, there is WinGrid.exe version 1.0 by G0GJV (not to be confused with v4 by someone else). V1.0 runs in a DOS window—works in everything (yes, even Vista). With this you can very simply convert in either direction. However, for the *coup de grâce* of on line resource goes to <http://www.nearby.org.uk/coord.cgi>. This works all ways, all co-ord types, gives post code, IARU locator, OS Map No (Explorer & Landranger) *etc!* □

Lilian Austin GOWYX

### **Silent Key**

Mrs Lilian Austin a member of North West Durham RAYNET Group passed away peacefully in her sleep on 27th January.

Lilian joined the group in 1994 and was a very active member until ill health prevented her from continuing. She was well liked by all who knew and worked with her and will be sadly missed.

Our condolences go to her husband Dave GOWYW.

# When Did You Last Visit Our Discussion Forum?

Thanks to Jim G1HUL, we have an excellent web site which provides many indispensable facilities and resources, but that's not all. How often do you log on and go straight into that part of the Members' Area you specifically want without looking at what is more generally available?

An excellent example of other material is the Discussion Forum which is neatly structured under about a dozen headings. Here is one taken at random, which actually happens to be something Jim put up himself—about the all important subject of training and safety.

The amount and quality of training varies greatly between Groups and Counties/Areas. In those areas where events are frequent and the membership is pretty static (that's a polite way of saying getting old!) there is possibly not the need for it but we do need to attract new and younger members and they will need training. This is what Jim says about it in the Training Forum.

. . . Picking up on a theme in another thread, I thought it might be useful to have a discussion about the training obligations a Group has towards its members.

These, I think, fall into two categories

- Duty of Care/Health & Safety
- Skills to be effective RAYNET member.

The core of the RAYNET member training already exists, with a lot of behind-the-scenes working going on at the moment, so I'll leave that topic to another thread, that perhaps Paul, G8SJA (Training Team leader) might like to open.

In terms of Duty of Care (something that underpins much of the health and safety legislation), a

Group has an obligation to provide training on:

- Safe use of all Group equipment
- Electrical safety
- Working at heights
- Using the Group equipment in public areas
- Sufficient skills to carry out whatever RAYNET role they have been asked to do (i.e. by using appropriate parts of the RAYNET training programme)
- Risk assessments.

These don't need to be huge courses, a simple understanding of the risks and ensuring everyone knows what to do (and, equally important, what not to do) and have regularly practised it.



## Discussion forum!

Risk assessment is a huge topic in itself, but most of it is being sensible and pragmatic about what could happen, writing it down and making a note of what might need doing or how to avoid it being a danger.

Detailed training records should be kept for each member.

A Group should provide the following -

- Detailed instructions for all equipment, including any specific safety precautions. This should particularly cover mast erection and generator usage
- A reporting structure for swift notification of health & safety issues.
- A mechanism for recording all health and safety incidents.

This is not self incrimination book, more the opposite in that it proves you take the issue seriously and respond in an appropriate way.

It should be remembered that everyone has a responsibility under health & safety. If you see something is wrong or someone carrying out an unsafe practice and you do or say nothing you are as responsible as the person actually doing it.

Think about when you last. . .

- Wore a hard-hat putting up a mast
- Put an earth spike in for a generator
- Had fire extinguishers appropriately placed
- Stored your generator fuel in a COSHH-compliant store
- Effectively fenced off a mast in a public area
- Clearly flagged guy rope stakes
- Installed cables in a completely safe way (i.e. not draped across the floor or in a way they could fall if knocked)
- Risk-assessed your control area and outstation locations?

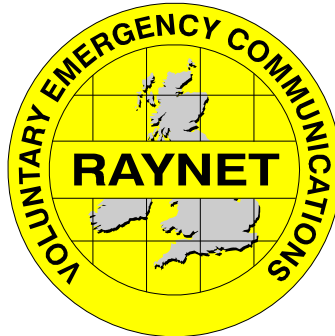
Think of the safety implications of these, quite common, practices:

- Trailing cables across the floor
- Erecting a mast adjacent to a building
- Entering onto roof areas to pull cables or erect masts
- Storing generator fuel in Control
- Sending only one person to do a potentially hazardous job
- Allocated a member to a task they have not been trained for, when they should be accompanied by a mentor or similar.

Requiring an operator to work mobile, when driving when they don't have a hands-free kit fitted is legal but is it desirable or correct under our duty of care?

I am sure most of us can think of many more things that we could identify.

Lot of questions. Whilst at national level we are looking to improve our guidance to members, consider what you can do meanwhile!



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