



RAY~Link

Issue Twenty Two
December 1995

The Regular Newsletter of The Radio Amateurs Emergency Network

RAY~Link is published for the benefit of all members of the Network. It is posted to all controllers who are requested to assist in ensuring a wide membership circulation.

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Exercise:

DELUGE

Leicestershire County
Geoff Griffiths, G3STG

The County Emergency Planning Team in Leicestershire played an exercise from 21st to the 22nd November in real time, which was intended to cover a period of four days in the County.

The scenario, based on bad weather and the resulting floods, was designed to evaluate the emergency response arrangements of many agencies across the County and in the East Midlands. There were 36 agencies involved including 10 local authorities, Ambulance, Fire, Hospital, Police and Water Users, Government Departments, the NRA and Railtrack, as well as a wide range of volunteer organisations. Needless to say, the County RAYNET team also were heavily committed to providing communications support for the operation, especially as the more traditional systems became overloaded or unserviceable.

The RAYNET role was to provide voice and packet links between County Hall, Melton Mowbray and Loughborough, and stations were set up in a commendably short period of time, and operated very reliably throughout the operation. All expressed their impressions of a professional job well done, and once again RAYNET's capability in the East Midlands has been seen to work well.

All correspondence and membership registrations should be sent to :

'Hunters Moon', Newton-le-Willows, BEDALE, North Yorks, DL8 1SX

Emergency 24Hrs. Tel Number:

0141 621 2121

CHAIRMAN:

Ron Cowan GM4SRL

ZONES

Z1: Frank McLoughlin G1GAD
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Brian Tindill
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Z3: Dave Hooking, G4FSS
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Z4: Dave Seabrook, G6HPY
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Z5: David Whiteman G1ADW
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SPECIALIST TEAMS

Emergency Planning:

Dave Seabrooke, G6HPY

Engineering:

Madeley Smith G8KVU

Publicity:

David Hicks, G61FA

Registrations:

David Whiteman, G1ADW

Sales:

Frank McLoughlin, G1GAD

Training:

Cathy Clark, G1GQJ

Talk-through applications :

Ian Jackson, G8RWH,
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Emergency Network.

Chairman's Report



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The Network held a well attended AGM in Loudwater on 28th. October and the chairman, Ron Cowan, presented this report:-

1995 saw several new faces replacing other well known ones on the Committee of Management. Geoff Griffiths, G3STG, our first chairman, retired on 31st. December 1994 following two years of extremely hard work establishing the company. Brian Tindill, G4HVA, retired from the post of Company Secretary on the same date. At the January Committee of Management meeting, a presentation was made to both of these former office bearers by the Zonal Co-ordinators in recognition of the amount of work done during their terms of office.

The directors of the Company also changed on the 1st. of January with Alan Wallis, G4YMU, Ray Webb, G3EKL, Ian Jackson, G8RWH, and myself standing down as Zonal Co-ordinators. Ian Jackson became Company Secretary, and I took over as Chairman, both with the effective date of 1 st. January. Ray Webb continues in his role of treasurer, and Brian Tindill our previous Company Secretary continues to be a source of great help to the Network, now acting as our postman at Hunters Moon. This year, David Hocking, who has given much valued service as our Health and Safety adviser as well as ZC3, is retiring on the 31 st. of December. There are still no nominations for ZC from zones 2, 3, 8, 11 & 18 and these areas will be covered by other Committee of Management members in the meantime. In all other areas the existing zonal co-ordinator continues in office. During the early part of the year Peter Enfield took on the job of supplies officer, replacing Barbara Slater who had intimated some time before that she wanted to stand down from that position, but who never-the-less continued until her replacement was found.

The first Committee of Management meeting was spent getting to know the new Zonal Co-ordinators, working on outstanding business, and planning our strategy for 1995. The afternoon was spent with a brain-storming session, with thoughts and ideas being randomly raised and discussed. The working teams are now well established, and a Director has been appointed to interface each one with the Committee of Management.

In the first quarter of 1995 it became apparent that there was a lot of confusion amongst the user services as to who, or what, RAYNET was, as information was being received from the Radio Amateurs' Emergency Network and from the Emergency Communications Officer of the Radio

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Society of Great Britain.

The Committee of Management was keen that the User Services were presented with an united front by RAYNET, and, in an attempt to achieve this, wrote to Peter Kirby, the RSGB General Manager in March, and to Clive Trotman, the RSGB President, in April suggesting that the Network and the RSGB work closely together on RAYNET matters and that a joint statement on RAYNET be made by the Committee of Management and RSGB Council. Despite several further letters, and a trip to Chester to discuss the matter with Clive Trotman, no reply has yet been received, and we are six months further on with no progress to report on this matter. I have been told that my offer to make a presentation on RAYNET to RSGB Council, and my request for a joint statement, have never been discussed at Council. A letter from the RSGB ECO, which was sent to all CEPOs in July, undid a lot of the good work done by the Committee of Management during the previous six months. In addition, a lot of poor and wrong information regarding RAYNET continues to appear on packet bulletin boards. The Committee of Management deplores this, as many of our user service personnel are licensed amateurs and the image, given by a few, reflects badly on the whole of the RAYNET service. The committee has taken a policy decision not to respond to ill informed or malicious comments which appear on packet.

Good progress on other fronts has, however, been made, and presentations to the User Services by members of the Committee of Management have become a regular occurrence. Connections with the Radiocommunications Agency and the Home Office have also been strengthened, and I was invited to attend a Cabinet Office seminar on Massive Disasters which was held at the Emergency Planning College in July.

A twenty four hour emergency telephone contact line was established in April, following a generous donation by BT. This line, which is maintained to BT's "Total Care" standard, has full network service provision, and calls can be diverted to the duty Committee of Management member anywhere in the UK. The service is primarily for User Services at national level, and is not intended to replace local contacts, but groups are, however, encouraged to give the number to their contacts as a backup to their existing arrangements. Non Network groups were also invited to send in their contact details so that calls can be passed on if necessary. Group controllers who urgently need to contact the

Committee of Management and who cannot reach their own Zonal Co-ordinator are also encouraged to use the line. The number is 0141-621 2121.

The highlight of the year was the granting of Charity Status on the 4th. of July. This relates to the Radio Amateurs' Emergency Network, and does not affect individual groups. Thanks for perseverance must go to Geoff Griffiths and the Committee of Management Members during the past two years for all the work necessary to bring this about.

The work of the teams, as I reported earlier, is now well established, and regular meetings are held with reports being presented at subsequent Committee of Management meetings.

The training team, led by Cathy Clark, continues to formulate methods for national training at group level, and held the last of its "Trainers' Weekends" at Easingwold in May. Further weekend seminars, but with different subjects, will be held in the future.

The publicity team, led by Dave Hicks, has achieved excellent results in amateur radio publications, the press and in trade journals. Several articles about our work have appeared in Civil Protection, the Home Office publication. A PR pack has been designed and produced, and is available here today.

The emergency planning team, led by Dave Seabrook, has regular meetings and is making good contacts with specific individuals in the User Services. A programme has been drawn up and the team is systematically progressing towards a good working relationship and understanding with our user services.

The supplies team, Frank McLoughlin and Peter Enfield, have sourced new items which they think will appeal to our members, and are currently working towards a streamlined distribution, both by post and at shows. The latter, while of great benefit to our members, is very time consuming and costly, with travel, or carriage of items, adding greatly to the cost of the operation.

The finance team led by treasurer Ray Webb is just starting the work of gaining the most benefit of our recently achieved Charity status, and is now looking at all possible ways to fund the Network.. While it would be the Committee of Management's ideal to do away with the individual membership subscription, this is, by necessity, a long way off. Never-the-less, the committee will explore all possible avenues to see if someday this goal can be reached.

The technical team, led by Madeley Smith, has recently been formed, and is waiting to hear from members with technical problems which require to be solved.

The registrations team, led by David Whiteman, will have the new database software, written by David, up and running in the first quarter of 1996, the date originally planned two years ago when the project started. Apart from keeping our membership records up to date, and issuing the laminated identity cards, the program will be extremely valuable when

used in conjunction with the 24 hour emergency callout line. This is just one of the many instances of integrated planning being carried out by the Committee of Management.

The 80m net continues to be held every Sunday morning at 08:30 hrs. clock time. The regular net controllers, who are led by Eric Walton, G4FSN, give excellent service, operating a duty rota with one main net controller and one standby. In September all members of the 80m team helped Clyde Coastguard by monitoring a frequency late at night after a possible Mayday call was heard by a Norwegian military patrol.

RAY-Link, our internal newsletter, goes out to Group and County/Regional controllers, and they are asked to ensure that all their members either receive their own copy or have access to one, as soon after publication date as possible. A copy of the October issued was posted to every member with the notice of the AGM. Members can receive their own copies by sending a set of stamped addressed envelopes to Hunters Moon.

A telephone BBS service was launched in June. It was the brainchild of Nigel, G8IFF, and is sysoped by him and Geoff, G3STG. One limiting factor up until now has been the modem, but thanks to the generosity of Mark Vickery this problem has been overcome with the donation of a new modem.

So far I have reported what the Committee of Management has been doing but the Network is, of course, only as strong as its members, and they have, during the past year, been very active providing cover, backup and prime communications for the User Services. RAYNET attended at two air crashes, at Coventry, and North Yorkshire, and many places received help during the winter flooding. One of the longest duties was in the West Midlands, when over one thousand hours of service was provided in support of the Fire Service during the long dry spell. Many groups gave hours of service providing safety cover to local fun runs, marathons, gala days, etc., and will, of course, reap the benefit both by using the events as training, and by receiving better local recognition as a team which can really deliver the goods.

To everyone who gives of their time and equipment for the service of others, the Committee of Management says, "Thank You."



Congratulations JIM & SANDRA

Congratulations to Jim Andrews G1HUL and Sandra who celebrated their engagement in Coalville on the 22nd November with many friends. Jim will be well known to many Groups throughout the UK as a willing volunteer, as well as a former RAYNET Committee member, and the author of the existing Membership Registration database software, and former SysOp of GB7NRC.

Sandra has already been exposed to the RAYNET disease by attending a number of events to see what goes on, and they both enjoy their other interest in the Scouting and Guide movement.

Best wishes to them both.

I.T. BBS UPGRADE

Mark Vickery, MIS Director for National Starch & Chemical, has kindly donated a high speed modem for use with the RAYNET BBS. This will make a big difference to connect times and this will show in lower telephone charges for members who are equipped to use the higher speeds. The presentation was made at the AGM by David Whiteman on behalf of Mark Vickery, who was unable to attend, but sent his best wishes to the Network.

For those who have not yet connected to the BBS, the number is 01296 39 37 37. New files are continually being added, whilst existing files are regularly updated and revised. The BBS has various sections, including a general entry level to which everyone is allowed access. Once membership details have been verified, Network members have access to most of the database, whilst controllers may also download information which is specific to them. The BBS may also be used as a message system, when the first name and the callsign of the addressee must be entered, i.e. Fred G1###.

If you have not already tried it, connect to 01296 39 37 37 and then send a stamped addressed envelope to the Hunters Moon address so that the Sysop can send you confirmation details.

Certificate of Thanks STAFFORDSHIRE FIRE SERVICES

Following the sterling work carried out by RAYNET for the Fire Service during the summer dry spell, Staffordshire Fire And Rescue Service has awarded a Framed Certificate of Appreciation to RAYNET. It is signed by Peter Dale, BA MIFireE, Chief Fire Officer, and states:- "This certificate is awarded in recognition and appreciation of your valuable support to the community of Staffordshire and to Staffordshire Fire And Rescue Service, during the dry summer and high fire risk period July - August 1995"

Dorset County News FORWARD CONTROL VEHICLE

For some years the County and Groups of Dorset have been debating the requirements of an operations control facility. The pros and cons of caravan versus vehicle had been aired many times. When an opportunity was flagged up by the Deputy County Controller, G3JAU to purchase a Renault Traffic Hi-Top Van at a very reasonable price it was enthusiastically approved. The vehicle was registered in the County Controllers name on behalf of Dorset RAYNET and the Purbeck and Poole Controller (G1WPG) agreed to store the vehicle in a spare part of his business premises.

A working party was formed to decide on what and how modifications were to be made to meet the RAYNET requirements. The initial decision to complete the work before it was allowed to be used on exercises proved essential, but the program had to be rushed towards the end due to the operational requirement of the Portland Bomb (Operation Seabird - See Ray-Link 20) as the target was set for Exercise Ghostex (Ray-Link 21) several weeks later.

Work started from the floor upwards and marine ply on batten spacers with fibreglass insulation was screwed across the floor area. Cabling for power to supply the operating position was run round one side and antennae connections and coax were fixed to the roof. The sides of the van were lined with insulation and white faced hardboard was attached. The ceiling proved difficult to insulate due to the curvature in two dimensions. But with two people working together a layer of fibreglass and white face hardboard on wooden battens was fitted.

A power and antennae distribution rack was designed and manufactured by G1WPG and this was located at one end of the operating bench. Carpet tiles were found in the skip of a local company together with 3 swivel chairs and the bench was formed from a door with supports of extruded aluminium. Above the bench is a shelf containing radio equipment (4M, 2M, 70cms and dual band transceivers) and on the floor below is the power supply consisting of 2 x 120A 12 volt batteries. Charging facilities from both the mains and a generator are included. Next to the side opening door is a ladder to roof height with a 40ft pump-up mast attached. The mast is normally carried inside the vehicle with a WX1 and feeder, together with an assortment of other aerials. Three 12 volt fluorescent lights and two fire extinguishers complete the kit. Externally an illuminated RAYNET sign is fixed to the front above the cab with round logos stuck on the sides. The engine was given a service by G6WQU

and subsequently the steering rack had to be replaced.

Thanks to the great effort put in by Brian (G1WPG) the van was made ready for Operation Seabird just 9 months after being purchased. The FCV has been much admired by our members and User Services particularly the CEPO, who has provided some much needed financial assistance. Perhaps the best accolade was when the FCV was parked outside Portland Police station, two of their radios were handed in by police going off duty!!

There are of course many more things to do which, now that the exercise season has quietened down, we can start work on, such as storage for ancillaries. A very important consideration is the containment of maps, message pads, pens, paper etc. Of equal necessity is to sort out some form of heating and to line the rear and side doors. . . . Is there no end?

You may well be asking how all this has been funded. The majority of real expenditure has come from donations from our customers and the CEPO. The biggest contribution has come from our members in their time and effort spent working, sometimes all weekend, and particular thanks must go to Brian (G1WPG) and Geoff (G6WQU).

Exercise	SOLFIRE HAMPSHIRE BOB G4VWP
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The following preliminary report on Exercise Solfire has been received by RAY-Link from Bob, G4VWP, County Controller, Hampshire.

Solfire 95 simulated a major maritime emergency within the Solent area. The exercise was co-ordinated by HM Coastguard working in conjunction with Red Funnel Ferries, the Queen's Harbourmaster, Associated British Ports and all the emergency services plus local authorities from Hampshire and the Isle of Wight.

RAYNET was asked to participate in three different areas of operation. On Wednesday 1st. November 1995 about sixty RAYNET operators from the Isle of Wight, Hampshire, Dorset, Wiltshire and Surrey took part in the exercise and were able to demonstrate operational flexibility to all the key players involved..

The RAYNET controllers involved would like to acknowledge offers of help from further afield which, although declined, could well have been invaluable in a real incident. At the time of RAY-Link going to press, reports were still being received and these will be evaluated allowing a full detailed report to be prepared.

Publicity	RAYNET INFORMATION PACK
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An information pack has been produced as a national publication specifically for use by local, county and regional groups for publicity purposes. The pack is presented in a question and answer format, and has master copy pages for copying at local level. Although the pages are white, copies can be made on coloured paper to suit, the transparent pockets and folders being obtainable from Office World and other stationary suppliers.

The Network has been successful, at minimum cost, in obtaining publicity via the Radio and Emergency trade press. RAYNET has been featured in all the popular radio magazines including Radio Communication, and has been highly visible in both Civil Protection and the BAPCO Journal. Our success will only be continued if we include a photograph with future releases, and these should show people rather than equipment.

We have made a start on a national RAYNET Heritage display, with material from the 1953 floods, the 1978 ambulance strike, Lockerbie, etc., but more is needed. In addition we are revamping our Display material of current events, and contributions from all members are most welcome. In the first instance, to discuss what is available, please telephone David Hicks, G6IFA, on 01244 336 639.

Administration	REGISTRATION DATABASE
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Early in 1996, new registration database software will be installed. During the commissioning phase there will be a moratorium on registration activity to allow the data to be transferred and the new software to be bedded in. The "go-live" date for the new software will be announced on the 80m net. Please make sure that somebody in each group, preferably the Group Controller or the Group Registrations Officer receives the 80m news each week. As well as the live net at 08:30 hrs. each Sunday morning on 3.663 MHz., a summary appears on packet the following week, and is available on the telephone BBS.

Any group whose registration falls due in January or February 1996 should ensure that their details are received at Hunters Moon by Christmas 1995 to ensure that their registrations are processed before the commissioning of the new software takes place. Please note that the old registration forms should be used up to the cut-off point. The new

forms, which have already been issued to controllers, should be used only when the new software is commissioned.

This is the first stage of the total project which will embrace a number of features including electronic re-registration and the integration of the database into the Committee of Management's activities for the benefit of the Network's members.

Radio	80 METRE NET
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The Network holds a net on 3.663 MHz. at 08:30 hrs. each Sunday morning. As well as disseminating news from the Committee of Management and other RAYNET activities, the net allows controllers and members from groups throughout the country to come together each week and discuss matters which concern their groups. Eric, G4FSN co-ordinates the list of duty operators each week, and for December these are as follows:-

Date	Controller	Standby
3rd. December 95	Eric G4FSN	Eddy G0EWO
10th. December 95	Geoff G3STG	Ray G0BDA
17th. December 95	Eddie G0EWO	Eric G4FSN
24th. December 95	Geoff G3STG	Trevor G4KUJ
31st. December 95	Ray G0BDA	Ron G0MRH

John, G0VPJ, who took his first Net on Sunday 19th. November, has recently joined the list of controllers, but is not on duty in December.

<p>GRAB BAG BE PREPARED DAVE HICKS SCOUTS AROUND WITH HIS THOUGHTS</p>

I make no apology to those RAYNET and emergency communications groups in Cheshire and Merseyside who have endured / enjoyed my "Be Prepared" talks over the last 6 or 7 year, (it must seem like 20!..Ed) or to the National Training Team for nicking the word "Grab-bag."

What is a Grab-bag? It is a container for essentials, required when called out by RAYNET in an emergency so that you are ready to go.

How Big? As large as it needs to be, is the short answer, but in truth it could be as small as a flight bag or as large as the boot of a car, depending on what you consider to be essential.

What are Essentials? The easiest way to decide on what is needed is to prepare a check list as follows:-

1. Welfare
2. Clothing
3. Food & Drink
4. Administration
5. Radio / Equipment

6. Technical back up

I have made this list from experience and in order of importance. It is designed so that you can be prepared for any situation and be self sufficient in the early stages of any emergency. The last thing we want is to become a casualty ourselves, not only is it embarrassing, but also stupidity in the extreme! A separate check list should be organised for each of the sections above.

1. WELFARE. This section refers to your personal welfare and should include all those things which maintain your daily life, e.g.. medication, creams, lotions, hygiene items and washing / shaving gear, towels, spectacles, etc.

2. CLOTHING. Again be prepared for the worst, even in the warmest of weather you could be assigned to a high spot where conditions change in minutes. Consider the following:- Stout shoes or boots, not trainers, slingbacks or stilettos, plenty of socks, underwear, thermals, RAYNET tabard and other hi visibility items, woolly tights, trousers, shirts, sweatshirts, pull-overs, etc., headgear to keep the cold out and the heat in, (or the sun out!) hard-hat, goggles, ear defenders, coats.

3. FOOD & DRINK. This section is not necessarily actual food and drink, but at least it should be considered in terms of carrying the bare minimum:- Vacuum flask, hot water, tea, coffee, milk powder, sugar, chocolate, Kendal Mint Cake, cutlery, unbreakable mug, biscuits, packet soup etc.

4. ADMINISTRATION. This section should include all those items you need in discharge your RAYNET responsibilities etc.: -RAYNET ID, writing equipment, pad pens and pencils, cheque book, credit cards, etc. You could also include Ordnance Survey maps and a compass, binoculars, torches & batteries. At this stage, consider the overnight situation, sleeping bag or survival bag, PJs etc.

5. RADIO/EQUIPMENT. This section appears to be the easiest for most RAYNET members to sort, but a list is essential to avoid leaving that essential item behind:- Radio transceivers, microphones, power supplies, batteries, chargers, aerials, magmounts / guttermounts, patch leads, DC leads, VSWR/power meters, speakers, etc.

6. TECHNICAL BACKUP. This section appears less important but in reality could cover the most annoying if left behind:-The wiring diagram for each transceiver, instruction manuals, tools, (the Swiss army knife if nothing else!) fuses, connectors, wire, insulation tape, solder and maybe components.

Be prepared as your Grab-bag is your responsibility, take everything you need, make those lists now. At the very least, cut out this article and use it as an aide memoir as it could save you great embarrassment! Finally the preceding blurb is not definitive, the idea is to make the individual aware, and the grab-bag will size itself depending upon your requirements!

Report**EMERGENCY
PLANNING
TEAM**

Members of the team are Dave, G6HPY, (Leader); Tom, GM0BKX; Eddie, G0EWO; Cathy, G1GQJ; Trevor, G4KUJ; Martin, G4PMG; Bob, G4VWP and J. Gateshill. The re-configured team have held four meetings at various locations but are not established at a centre in Beaconsfield. Presentations to the team have been made by Dave Whiteman on the database, Dave Havercan on the role of RAYNET in a BT emergency, and Dave Hicks on publicity.

Contact has been made with South Africa and the USA by the international liaison team member and further contacts will be established throughout the world as circumstances permit. The team has had a number of discussions on the proposed Emergency Incident Procedure which is proposed for the S.O.Ps, two of the team volunteering to produce a discussion document, then taking this forward to the Committee of Management for approval.

The national user service organisers and managers have, and are being, contacted by the team and a number of useful contacts have been made so far, and will be on-going as the heads of departments change.

Network members are invited to write to the Emergency Planning Team via the Hunters Moon address should they have any suggestions or comments on the work of the team.

Event**SAFETY SQUAD
1996**

G4FSS DAVE HOCKING, ZC3

RAYNET has been asked by Leicestershire Constabulary to help with Safety Squad 96, which runs from Monday 2nd. to Friday 6th. and Monday 9th. to Thursday 12th. September 1996 at Mallory Park, Leicestershire.

Safety Squad 96 will, through nine scenarios which will be laid out in two fields beside the track, make children aware of the dangers of playing in dangerous areas, introducing the accident prospect and then showing them how to dial 999 to an emergency switchboard set up on site. One bus will collect children from one or more schools to make up a group of sixty and transport them to Mallory Park.

RAYNET has been asked to provide an operator at the bus co-ordinating point, provide and man a control set up which will be established next to the Emergency Switchboard, and provide an operator for each group making its way around the nine scenarios and to provide tags for the organisers.

RAYNET members who are available, and

interested in helping with this project should contact Dave G4FSS, or Derek, G1SPA as soon as possible.

Report**ZONE TEN**

G6IFA DAVE HICKS, ZC10

Membership of the Network in Zone 10 is increasing, with new members recently registered in Greater Manchester, Cheshire and Merseyside. Two groups have been reformed in Greater Manchester and a new group is planned for Cheshire.

David Hicks, the Zone 10 co-ordinator is also Chairman of the Northwest RAYNET Association (NWRA) which encompasses RSGB affiliated, independent and Network Groups, promoting close working and understanding, thus providing an efficient and professional service to our user services. The NWRA has almost 350 members of which 75% are registered with the Network, and has recently extended an invitation to the North Wales groups to join.

The organ of the NWRA in Zone 10 is the NWRA Newsletter which is published twice each year by Paul Gaskell, G4MWO, who is also secretary to the Association. In the latest edition, there are features on the Horror Fall Heroes (see RAY-Link 14) and Life on Four Metres FM by Eric, G4FSN.

The Zonal Executive Committee of the NWRA address subjects of mutual interest such as the National Training Scheme, Emergency Planning, Publicity, Frequency Planning, and Interference and Technical problems. They are also aware of resources in their area and can provide facilities such as mobile packet, talk-through, ATV, antennas, masts and generators for major incidents.

The Zonal Committee is also active in promoting close links with adjacent Counties and this is already well advanced through working experience with North Yorkshire, Derbyshire, Staffordshire & Clwyd. This is further extended with obvious benefits by the ZC at national level with the Committee of Management of the Network and its specialist teams.

Zone 10 is working well, with the majority of groups having constitutions in place, or nearly there. The changing situation with regard to County Emergency Planning, and District or Unitary status emerging, is of concern, and the matter is being addressed. Similar changes are happening with the emergency services, and already have appeared to improve relationships with RAYNET in the zone.

**Special
Offer****MOBILE PHONES**

Martin Dawes have kindly sponsored the mailing of this edition of RAY-Link. They have a special offer on Mobile phones, available only until 21 December. Should you be considering a purchase, ring Fiona McCracken on 0800 606060. (See enclosed offer). Full details on the telephone BBS.

THE RADIO AMATEURS' EMERGENCY NETWORK

Chairman	Secretary	Treasurer	Mailing Address	Registered Office	RAYNET Supplies
Ron Cowan, GM4SRL 85 Eastwoodmains Rd. Clarkston GLASGOW G76 7HG 0141-620 1000	Ian Jackson, G8RWH 5 Vivien Close CHESSINGTON Surrey KT9 2DE	Ray Webb, G3EKL 3 Hillcrest Scotton Catterick Garrison North Yorkshire DL9 3NJ	Hunters Moon Newton-le-Willows BEDALE North Yorkshire DL8 1SX	4 North End BEDALE North Yorkshire DL8 1AB	Peter Enfield 26 Edendale Ave. BLYTH NE24 5QE 80m Net Organiser Eric Walton G4FSN

TEAMS (All correspondence to The Radio Amateurs' Emergency Network, Hunters Moon, Newton-le-Willows, BEDALE, North Yorkshire DL8 1SX)

Emergency Planning	Finance	Publicity	Registrations	Supplies	Technical
David Seabrook, ZC4	Ray Webb, Treasurer	David Hicks, ZC10	David Whiteman, ZC5	Frank McLoughlin, ZC1	Madeley Smith, ZC9

ZONAL CO-ORDEVATORS AND CONTACTS.

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6
Frank McLoughlin G1GAD 0191-285 0391	Brian Tindill (Contact) G4HVA 01677 450 387	Dave Hocking G4FSS 0116 239 3803	Dave Seabrook G6HPY 01638 750 571	David Whiteman G1ADW 0956 299 784	Cathy Clark G1GQJ 01844 351461
Zone 7	Zone 9	Zones 8, 10 & 18	Zones 11 & 12	Zone 22	Emergency
Chris Hampson G8RXA 01425 672 002	Madeley Smith G8KVU 01203 579 411	David Hicks G6IFA 01244 336 639	Tom Stewart GM0BKX 01290 421298	Iain Strachan GM4FLP 01382 580 356	Contact Point Duty Controller 0141-621 2121