



# RAY~Link

Issue Twenty Nine  
April 1998

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.*

(This edition has been sent to all Member's Addresses)

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## Personal Accident Insurance

Members are reminded that the Personal Accident Insurance policy runs from 1st. May to 30th. April each year, and, although an annual subscription may have been paid with a membership renewal before the 1st. of May, no cover will result from that payment until 1st. May.

Cover for the period between the membership renewal and the 1st. May each year will be covered by the previous year's premium, provide, of course, that this was taken out. Cover between the membership renewal date and the first of May this year will be provided providing the initial offer of a graduated payment was taken up at the start of our insurance offer.

In effect this means that members who renew their personal accident insurance either annually or bi-annually will have continuous cover provided that the payment is made at the time of the membership renewal, and the only members who will not be covered until the next period starting on the first of May are those who are entering the scheme for the first time.

If cover is required for new entrants between the membership renewal date and the 1st. of May in any year, then an additional premium of £1.00 plus tax will be required. It is not, unfortunately, possible to offer a graduated subscription unless this offer was taken up at the start of the insurance programme last year.

## Next RAY~Link.

The next edition of RAY~Link will be sent to all members in May, and all contributions should be sent to Ron Cowan, GM4SRL, by Monday, 28th. April. It is becoming more difficult to produce interesting copy as there appears to be a lack of new material. All members are therefore requested to consider sending something in for use in the three remaining editions which will be produced in 1998. All copy should, if at all possible be sent to Ron on disk (QTHR) or by e-mail to [roncowan@Zetnet.co.uk](mailto:roncowan@Zetnet.co.uk)

## 1998 AGM

The date for the 1998 AGM has been fixed as Saturday 7th. November, and it is hoped that the venue will be announced in time for the next edition of RAY~Link. Meantime, please mark 7th. November in your diary.

*All correspondence and membership registrations should be sent to:-*  
"Hunter's Moon", Newton-le-Willows,  
BEDALE, North Yorks, DL8 1SX

**Emergency 24 hour contact line:-**  
(0141) 621 2121

**CHAIRMAN:** Ron Cowan, GM4SRL  
(0141) 620 1000

### ZONES:

- Z1:** Tom Hanratty, G0JRT  
(01207) 505315  
**Z2:** Contact Meantime Brian  
Tindill, (01677) 450387  
**Z3:** Dave Hocking, G4FSS  
(0116) 239 3803  
**Z4:** Martin Green, G4PMG  
(01422) 828678  
**Z5:** David Whiteman, G1ADW  
(0956) 299784  
**Z6: and Deputy Chairman**  
Cathy Clark, G1GQJ  
(01844) 351461  
**Z7:** Chris Hampson, G8RXA  
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**Z12:** Tom Stewart, GM0BKX  
(01290) 421298  
**Z18:** Contact meantime via ZC 10  
(01244) 336639  
**Z22:** Iain Strachan, GM4FLP  
(01382) 580356

### SPECIALIST TEAMS

#### Emergency Planning:

Cathy Clark, G1GQJ

#### Finance:

Martin Green, G4PMG

#### Publicity:

David Hicks, G6IFA

#### Registrations:

David Whiteman, G1ADW

#### Technical:

Chris Hampson, G8RXA

#### Training:

Tom Hanratty, G0JRT

#### Talkthrough applications:

Ian Jackson, G8RWH,  
5 Vivien Cl, Chessington,  
Surrey, KT9 2DE

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## **Dorset 1997 Callouts**

**D**orset RAYNET had its first operational activity of 1997 on the way home from an exercise covering the Health & Happiness walk in the Purbecks on 1st. June.

The Emergency Planning Officer for Poole rang the County Controller at 15:31 requesting an amber alert for the fires near Canford Heath. These fires had become out of control due to the very dry conditions and it was expected that large areas of population would need to be evacuated. The Social Services had already commenced their emergency evacuation plan and moved 120 people from their homes. The wind, however, changed direction and the RAYNET activity turned out to be a listening watch with up to 22 operators offering support before the stand down came at 17:34 when the Fire Brigade decided that the immediate danger had passed.

The second operational call-out was from the British Red Cross Society on 3rd. August for a suspected mine in Portland Harbour. Operational "Castle" commenced at 14:43 hrs. when the BRCS Emergency Planning Officer enabled their emergency plan and requested RAYNET assistance. All groups in the County were put on stand-by and at 15:48 hrs. two operators were sent to Chesil Beach. The Purbeck and Poole Controller set up a station at BRCS HQ at Wareham using the County's trailer mast. Direct communication between these two locations had been achieved by 16:23 hrs. although an operator on high ground near Dorchester was standing by to operate talk-through if necessary. The major disaster emergency plan swung into action and an exclusion zone about a third larger than was established when the Portland Bomb was discovered in 1995. Approximately 100 people were evacuated from the Castletown area when at 17:48 hrs. the police declared the incident a false alarm as it was found that the "bomb" was part of an upturned boat. A total of 27 operators gave their availabilities before the official stand-down at 18:00 hrs. The County Emergency Planning Officer also asked for assistance and, although this did not result in any direct action, we were able to feed back useful information from the incident site. The operation had resulted in the BRCS providing a permanent dual band antenna and feeder at their HQ and RAYNET being written into the Dorset Emergency Plan.

## **RAYNET Supplies**

**A**s announced at the 1997 AGM, Barbara Slater, G6XYX and Ray Waller, G6HGD, who look after RAYNET Supplies, will be standing down later this year, and the Committee of Management, while recognising their valued work, has nevertheless, to find a replacement, and all Zonal Co-ordinators have been tasked with looking for someone who is willing to take over this important commitment. If you would like to be considered for this task, and have the time, as well as the necessary space, please get in touch with your Zonal Co-ordinator.

At the 1997 AGM, the Network's accounts showed a loan to RAYNET Supplies following the transfer back to the "South" team following the move from the North. This loan was made to enable RAYNET Supplies to continue trading while the "North" accounts were finalised, but as it was not repaid until after 1st. January 1997, the repayment was not shown in the same year's accounts, and therefore it was not included in the financial statement at the 1997 AGM but it will be shown in the following year's statement which will be presented at this year's AGM.

## **Bandplan**

**Cathy Clark,  
G1GQJ**

**T**he switch from the old RAYNET frequencies to the ones previously occupied by data communications appears to have gone fairly smoothly.

According to the RSGB's Data Communications Committee, all NoVs have now been issued, and only a small minority of packet stations have been reluctant to move.

The RSGB 1998 Yearbook's 2m band-plan appears to be different from that agreed with the DCC and this matter will be taken up with the VHF Committee shortly. It is hoped that the errors will be rectified in the next edition. In the meantime, the RAYNET allocation in the 2m band is as follows:

144.260MHz - SSB centre of activity  
144.625MHz }  
144.650MHz }  
144.675MHz } RAYNET voice communications  
144.775MHz }

144.800MHz - RAYNET data communications (by agreement with the RSGB Data Communications Committee)

The Emergency Planning Team has been looking at RAYNET frequencies on other bands, and hopes to submit proposals to the relevant RSGB Committees shortly.

# **Exercise Coastwatch (Sabrina 3)**

**Tony Hartland G8WOX- County Controller  
Hereford and Worcester  
Mid Severn Valley RAYNET Group**

The Exercise Coastwatch (SABRINA 3) took place on Sunday 14 December 1997 from 09-00 to 12-00

This was an Inter County exercise being conducted by Gwent Authorities EPS located at County Hall Cwmbran. The counties involved were Gwent, South Glamorgan, Somerset, Gloucestershire, Hereford and Worcester.

### **The Aims**

- to control and trouble-shoot an inter-county exercise based on a central location with input from stations surrounding the Severn Estuary;
- to test the viability of packet-radio operations using a multi-access database system for acquisition and retrieval of data provided by numerous stations.
- to allow communications testing between mobile stations and their Local Authority District and County Emergency Centres;

### **Scenario and Purpose**

A large number of chemical drums have been lost overboard after a collision between two large cargo-vessels in the Severn Estuary, near the Newport Deep. (As a result of this location, Gwent Emergency Planning Services are assumed to be co-ordinating the operation initially.) Sea and weather conditions are allowing the drums to disperse in numerous directions, washing up on the surrounding coastline.

RAYNET groups are assisting the User Services by providing a "coast watch" and feeding the following details into a central, packet-based database:

Source, Item, Location, Moved\_to, Notes.

The purpose of this exercise will be to test the viability of a centralised database system, accessible by packet radio, providing data acquisition, data search and data retrieval facilities for RAYNET groups and associated EP Departments.

### **System Operation**

Gwent RAYNET will operate the "ARESData" packet database system, allowing a maximum of six remote stations to connect at any one time. This software requires a PC running DOS, or the ability to run a "DOS-window" within Windows 3.1x or 95.

The Out-Station only needs standard Packet operating system to provide the data required by the Database providing that it is formatted as follows

Fields 1 to 4 up to 20 characters

Message up to 80 characters

Exercise

Coastwatch

(SABRINA 3)

Each data Field is separated by a comma

After Message a carriage return <cr>

Example

Field1, Field2, Field3, Field4, Message<cr>  
MSVR, Drum, Weston, Base 1, Confirmed

<u>Field</u>	<u>Name</u>	<u>Example</u>	<u>Description</u>
Field1	Source	MSVR	Raynet Group
Field2	Item	Drum	Description of item
Field3	Location	Weston	Location item found
Field4	Moved_to	Base 1	Location item moved to
Message Notes		Confirmed	Any general info.

The structure of the fields as detail above are held in the database. The meaning of the fields can be preset by the information required for the Exercise or Emergency. Fields can searched and sorted only.

### **Frequency Used**

UHF: for packet radio operations and access to the ARESData system.

### **Exercise Format**

Each group provided 30 messages in three time frames, results are in the chart below.

Time Frame	09:30 to 10:00	10:05 to 10:30	10:40 to 11:15	Total	
<b>Group</b>	30	30	30	90	%
1	29	20	5	81	90.00
2	25	28	28	81	90.00
3	30	22	8	79	87.78
4	29	30	3	64	71.11
5	24	25	28	64	71.11
6	30	23	9	62	68.89
7	30	14	0	44	48.89
8	6	5	5	16	17.78
9	0	0	0	3	3.33
<b>All</b>	<b>206</b>	<b>167</b>	<b>69</b>	<b>497</b>	
<b>%</b>	<b>76.30</b>	<b>61.85</b>	<b>25.56</b>	<b>61.36</b>	

### **Comments**

It was not possible to connect direct to the Control Station so we relayed via Gloucester Group, this provided a seamless path to Gwent. We took advantage of creating message files for ease of transmission.

There were some problems encountered during the Exercise by some groups. No major problems occurred, understanding what caused the problem proved beneficial.

Overall the Exercise has improved the Inter County co-operation of the Groups involved and provided another tool in the armoury of modes in communications.

The "ARESData" packet database system is a practical means of moving large volumes of structured information, accessible to the parties involved in a large geographical area.

## ***RAYNET on the WEB***

A number of groups and counties whose web sites are hot-linked to the national RAYNET site are still quoting the old "Reality" site. Although there is a holding page which will switch control back to the Leeds server, all linked "Webmasters" are asked to check their code to ensure that the National RAYNET web site is quoted as <http://www.sgi.leeds.ac.uk/raynet/>

Members should modify their "bookmark" URL to show this altered front page.

Recent additions to the RAYNET Website may be found in the "Technical Topics" section, and this currently includes information on the conversion of 2m and dual band Icom and Yaesu rigs to 12.5 kHz. channel spacing and a short note on the possible effects of the Millennium on the operation of personal computers.

Any queries on the Network's RAYNET Website should be addressed to [david-whiteman@Zetnet.co.uk](mailto:david-whiteman@Zetnet.co.uk) or to David Whiteman G1ADW at our Hunters Moon address.

## ***e-mailAddresses***

**David  
G1ADW**

I am asked from time to time why we do not collect e-mail addresses. The answer is one of practicality. The fact is that group membership officers seldom advise changes of phone number or address except at membership renewal time. E-mail users tend to change their Internet Service Provider or their domain fairly regularly as better deals are offered. The effect of this is that our data would inevitably be out of date and therefore useless as a management tool.

There is no point in collecting data for its own sake. It is both time-consuming and could be considered to be illegal. All e-mail software contains an electronic address book. This is where such information should be held and maintained. As a heavy user of the e-mail service for RAYNET business I can honestly say that my electronic address book is a perfectly adequate source of e-mail addresses for me.

## ***Teams***

At the January Committee of management meeting, some changes were made to the specialist teams, and the contacts for these, who can all be reached via Hunters Moon, are as follows:-

Emergency Planning, Cathy Clark, G1GQJ

Finance, Martin Green, G4PMG

IT and Webpages, David Whiteman, G1ADW

Publicity, David Hicks, G6IFA

Technical, Chris Hampson, G8RXA

Training, Tom Hanratty, G0JRT

Talk Through, Ian Jackson, G8RWH

## ***RSGB Callbook***

It is hoped that the "normal" RAYNET entry will be included in the next edition of the RSGB Callbook. It was omitted last year as, by the time the Callbook went to press, the new RSGB Emergency Radio Liaison Officer had not been appointed. Now that Tom Reilly, G0NSY, (one of our own London members) has been appointed as the ERLO, and Simon Lloyd Hughes, GW0NVN as his deputy, the entry should be re-instated, and the Network has agreed to pass our Group information, collated by the Zonal Co-ordinators, to the RSGB as we have done in the past. It will therefore not be necessary for individual groups to take any information themselves.

There are now two paths for liaison with the RSGB. As well as the established link between our Chairman, Ron Cowan, and the RSGB President, Ian Kyle, it is intended that routine communication will be maintained through our Emergency Planning team whose leader is Cathy Clark, G1GQJ.

# **The Radio Amateurs' Emergency Network Telephone BBS 01296 39 37 37**

**Geoff, G3STG**

The telephone BBS service is located in a secure location in Aylesbury, and is provided by the Network as a free service to its members. It is probably the fastest way of getting hold of the latest Network information, policy and guidance for those members who do not have access to the Internet, but who do have computing and modem facilities at home or at work.

The BBS can be accessed at a wide range of data speeds, and communications software ranging from the very simple to the most complex can be used to gain access to the information provided.

Just dial the number, and once connected the BBS should download an opening page and display its first menu. If you receive only a scornful of garbage at your first attempt, just hit your return key a couple of times, and the BBS will then try again.

The BBS will then invite you to sign on, using your first name and callsign or RAY number as an identifier. It will ask you for password as a new user, and you can then choose a password which you can remember - but don't make it too obvious.

On a first contact, the range of information available is limited to public domain data similar to that contained on GB7NRC, the Network Packet BBS. However access times should be much faster, depending upon the quality of your telephone line. Transfer rates of 1000 bits per second are regularly achieved in practice.

The areas currently available to casual callers, and callers not currently registered as members are:

An e-mail facility, where you may leave messages for other users, or for forwarding to the Committee of Management,

A News area, where summaries of News Bulletins from previous months are summarised, and a group of Files areas which presently include the following:

## **UPLOAD (File area 1)**

Unchecked uploaded files are here

## **NEWS (File area 2)**

Copies of the 80m news scripts for the current weeks. A good place to check all the latest news from BEDALE

## **NEW CONTACTS (File area 3)**

**Elist** Details of how to contact RAYNET in your area.  
**RAYNET** What RAYNET is and does  
**Mail** Contact address for the Network

If you then would like to see more, a self-addressed stamped envelope sent to Bedale, marked clearly on the outside with TELEPHONE BBS, and containing a brief note detailing your name callsign and home address will bring you a new password, and the BBS members-only areas will then be available to you

This includes access to a larger Files area containing:

## **CONTACTS (File area 4)**

Files with names ending in .con which give contact details for Groups in each Zone

## **DIARY (File area 5)**

Files with names beginning with diary. Which give details of operational diaries notified to the National Database.  
Various reports of past events and duties

## **TECH (File area 7)**

Various Files giving technical information of interest to RAYNET members

## **SHARE (File area 8)**

**BBS Programs and RAYNET Tools**

## **RAY~LINK (File area 9)**

Copy from back issues of RAY~Link

## **TRAINING (File area 10)**

News from the Training Team

## **NOTICES (File area 11)**

Notices to all members

## **USA (File area 26)**

Items of interest from the USA

If you are a Group Controller, then your access right will be expanded to provide further information for you.

The BBS is updated several time a week, and the **Sunday News Script** is normally in place for you to read by 10.00 on the day of issue.

We hope that these notes will be helpful on your first few visits to the Board. If you have any suggestions about improvements or additions to the BBS, then please leave a message for the Sysop, or write to:-

**The Radio Amateurs' Emergency Network  
Hunters Moon  
Newton-le-Willows  
BEDALE DL8 I SX**  
marking your envelope "Telephone BBS"

**Durham County  
RAYNET**

**June  
GOOGB**

**Zone 1 Meeting**

**June  
GOOGB**

The County Emergency Planning Unit have recently arranged "Awareness Raising" seminars for various voluntary groups within the County (BRCS, St John Ambulance, WRVS RAYNET), each with their own session. The date set for the RAYNET session for the two County Durham groups was 9th November 1997, and there was a good response from both groups. Unfortunately this date clashed with refugees arriving from Monsarat with the Emergency Planning team being heavily involved with their reception. Red Cross, St John and WRVS were involved. RAYNET was briefed to be ready, if called.

Although the revised date of 11th January meant that some of those originally planning to take part could not now do so, 16 of the original 20 attended.

The morning started with Val Bowman, Senior Emergency Planning Officer introducing herself and inviting our views on emergency planning throughout the morning. A video "Disaster Management - Is there a Need?" of clips of various disasters was then shown. While everyone present was aware of these, the visual evidence achieved the aim of focusing our minds on the realities of the situations. She then went on to describe the current state of Emergency Planning in County Durham and Darlington, answering questions as she went., stressing the "Partnership Approach" of dealing with incidents, and the emergency plans. The role of the Emergency Services and Local Authority were outlined, together with that of Volunteer Groups.

We then had a table top exercise "Exercise Bonding" when the scenario was a liquid gas tanker exploding at industrial premises (CIMA Site) and adjacent to the location of a Parish Council fundraising event. Val Bowman was quite pleased and impressed with the questions being asked to clarify points before teams even attempted to answer the questions. At the end each team was asked to give a presentation on their findings of a section of the question sheet and there was lively discussion and input from the other teams on each point. It was obvious a great deal of thought had been given in the preparation of the answers. A questionnaire given out at the end of the exercise was also completed in depth and with much thought and it was obvious Val was very impressed with the way in which RAYNET members had treated the whole exercise.

I am certain that all members present appreciated the time and effort put into this exercise by the Emergency Planning Unit, together with the knowledge gained. The tea/coffee and biscuits were appreciated too.

We are now waiting to hear what further training sessions lie ahead.

Despite a cold wet night approximately 50 members attended a Zone 1 meeting on 6th February at County Durham Fire & Rescue Brigade Headquarters (the home of the Emergency Planning Unit) and had the opportunity of meeting our National Chairman, Ron Cowan, GM4SRL. We were pleased the 8 members from the North Yorks Richmond group managed to beat the road works on the A1 and arrive safely.

Ron had travelled down from Glasgow to meet members and to give a talk based on the presentation given to senior members of the Emergency Services, Home Office and Cabinet Office at the Post Office Tower, London, during 1997. This talk was very well received and was followed by a very lively question and answer session, and a general discussion.

In the end we had the utmost difficulty in persuading members to leave in order that the premises could be locked up. The facilities, including the refreshments, provided by the EPU were very much appreciated.

## **Subscription Increase**

At the January meeting of the Committee of Management it was decided that the first part of the two part subscription increase announced at the 1996 AGM would be delayed until 1st. June 1998, however any groups with members whose subscriptions fall due on or after that date may pay at the old rate of £3.60 per year for either one of two years, provided that the payment is received at Hunter's Moon by 31st. May 1998. Groups should note, however, that those with subscriptions due before that date, and which have not been paid by 31st. May 1998 will be required to renew at the increased rate of £4.20 per year. The second part of the increase, to £4.80 per year. will be implemented on 1st. June 1999.

Over the years, RAYNET groups have been involved with events that would often benefit from extra 'management' information, such as when the next walker / cyclist / runner etc. will arrive at a checkpoint, or when the last competitor is due back at the finish (so everyone can go home!). Even if this information is only used internal to RAYNET, it can often be very useful to have but is rarely available, even though we often know more about the event progress than the organisers.

Various pieces of software have been written, but although have been valiant efforts and work well, have generally suffered from only being able to track one 'entity' (e.g. the first competitor), not as many as you want.

During 1993, in my capacity as a Scout Leader, I started an annual night hike for our local Scout district. The first event had 29 entries; the rest since have had around 120. After the 1995 event, it became obvious that we could not track it successfully using a pin-board as there were teams re-grouping and they could go in both directions around the course and we had two courses! Also there was very little up to date 'time projection' information available.

To cut a long story short, I spent 12 months writing a piece of software to track every competitor, to know who was where and know when they will get to where they're going to. It was extensively tested and then used on the 1996 event, performing better than anyone had hoped, including remote packet updating of laptops in both course managers' cars. It has since been refined and is used 'in-house' by the Leicester RAYNET group on other events to provide the extra information.

The software can be 'scaled' to whatever level of information you have available. At its simplest level, you only need two 'competitors' to be entered, the 'front' and 'back'. This will give you the whole period for the event and allow you to project times of the first and last to finish.

The software is designed to:-

- Cope with multiple courses and competitors travelling in both directions on the same course
- Total tracking of competitors from arrival at the start to event end
- Team management, allowing entry of team name, competitor name, age and any important medical details relevant to the event.
- Entry of arrival and departure times (or pass-through time), together with scores gained (if required)

- Calculation of ETA's and notification of overdue groups, based on real travelling times, not a global estimate
- Deal with events running over midnight and for more than 24 hours
- Caters for competitors mixing during an event and keeps tabs on who is travelling with who, irrespective of starting groups
- Caters with competitors changing direction or moving course
- Management of dropouts, complete with reasons and record of whether the reason requires medical assistance (i.e. injury etc.)
- Dropouts are tracked to non-course locations (such as minibus or first aid points)
- 'Pin board' screen displays showing who's where (looks very good on a colour LCD projector screen for the whole control to see!)
- Heavy use of colour to indicate overdue, urgent dropouts etc.
- Comprehensive reporting of competitor and group locations, competitor names, ages etc. scores and ranking
- Remote update of slave systems via Packet, allowing strategic stations (such as midway points or mobile course managers) to do enquiries on the information using a local PC and a packet system
- All configuration done by menu driven options - No text files edit!
- Fully network aware (WFW/'95, Personal Netware, Netware/IntraNetware etc.) allowing updating and enquiries to happen concurrently and a 'pin board' display to be permanently set up
- Data security and integrity maintained as far as is possible with a PC!

It will run on a low-end PC (its DOS based, so you don't need Windows, but it will happily run in a DOS session under windows), without any special hardware etc. Recommended baseline is a 386 with 4Mb RAM.

If you would like a copy (it's totally free!), please send a 1.44Mb disk and 60p return postage to:

Jim Andrews, G1HUL  
64 Bradgate Road  
MARKFIELD  
Leicestershire  
LE67 9SN

No postage (60p) - No disk returned!

The manual is supplied in printed format.

If you have any questions about the system, please feel free to ring me on 01530 249218, sociable hours (i.e. before 10pm) please!

## ***The RAYNET Trophy - Rules.***

### **The RAYNET Trophy will be presented annually at the National RAYNET AGM**

- The Trophy will be held for 10 months, and then returned to an address specified by the Committee of Management.
- The recipient will be responsible for its safekeeping and for its insurance while in their possession.
- The Committee of Management will be responsible for its engraving
- Upon the Trophy's return, a miniature will be presented as a permanent memento.
- All members of The Radio Amateurs' Emergency Network (RAYNET) will be eligible for nomination.
- Any individual member or group can be nominated and seconded by other members, together with suitable supporting evidence; the nomination should be endorsed by a Group, County or Area Controller, or Zonal Co-ordinator.
- The Trophy will be awarded by the Committee of Management. Its decision is final and no correspondence will be entered into.
- The Committee of Management has the right to withhold the Trophy if no suitable nominations are received. However, previous nominees may be re-considered.

### **The criteria for nomination.**

The Trophy will be awarded to an individual or representative of a group considered to have provided services beyond the call of duty in the furtherance of the aims and objectives of RAYNET.

The closing date for nominations will be published in RAY~Link and nominations received after the closing date will be held over for consideration in the following year.

## ***G4NRC 80m Duty Roster.***

The first listed for each date is the duty reader, and the second is the stand-by.

1/3/98	G4FSN,	GOMRH
8/3/98	GOMRH,	GOBDA
15/3/98	GONZU,	G3STG
22/3/98	G3STG,	G4FSN
29/3/98	G4KUJ,	GOBDA
5/4/98	G0VPJ,	GOEWO
12/4/98	G4FSN,	GOMRH
19/4/98	GOEWO,	GONZU
26/4/98	GOBDA,	GOVPJ