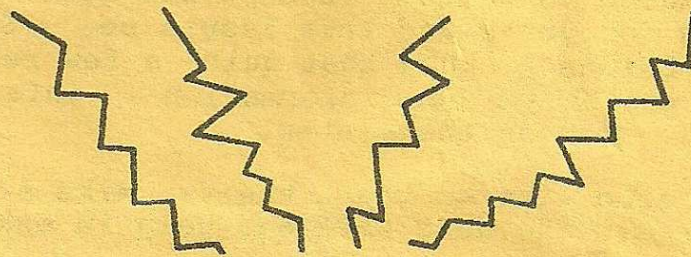


E. N. I. G. M. A.

European Numbers Information Group And Monitoring Association



0	ZERO	ZERO	NULA	NULL
1	JEZIUTA	UNO	EDNA	EINS
2	DVONTA	DOI	DVOYTZE	SVO
3	TRUNTA	TREI	TRI	DREI
4	CZDIRI	PATRU	CHETYRI	VIER
5	PEYONTA	CINCI	PEDARTZE	FUNF
6	SESH	SASE	SEST	SECHS
7	SEDM	SAPTE	SEDITZER	SEDEN
8	OSEM	OPT	ASEH	ACHT
9	PRUNKA	NOVA	DEVET	NEUN

3 4 5 6 7 8 9 10 11 12 13 14 MHZ

IMPORTANT-YOU WILL RECEIVE ISSUE FOUR FREE IN JANUARY 1994

WELCOME TO ISSUE 3 OF E N I G M A

First of all let me say a thank you to every-one who sent in information news logs and clippings for issue 3, the amount of interest in ENIGMA is so great that I have had to take some holiday in order to put all the news logs & features together.

The word about ENIGMA is spreading far and wide and it is a great pleasure to welcome such alot of new readers, I am very pleased to welcome readers who have studied Number Stations for years and this issues see's Simon Mason joining ENIGMA (I know that quite a few reader have asked with a wealth of new information - infact he wrote the book..... more on that later.

I would also like to thank the two Mike's in Bradford & Bath for all the hard work and help in making this such a packed issue.

IN THIS ISSUE

STATION NEWS

YOUR LETTERS

LOG-BOOK FROM BRITAIN & THE U S A

STATION FEATURES

SECRET SIGNALS - THE EURO-NUMBERS MYSTERY

In issue two we carried a review of Secret Signals - in which details were carried about Tiare Publications in the U S A, since writing that artical I have pleasure in informing readers that the book can now be purchase in the U.K.

If you would like to obtain a copy please write to ;

Simon Mason
26, Bloomfield Avenue
HULL
Humberside HU5 5NH

The cost of the book is £6.00 including postage & packing to U.K. addresses.

If you don't have a copy it is well worth buying.

CONTRIBUTIONS

We are always pleased to receive your contributions to ENIGMA, if you have any station logs news, comments or perhaps you would like to write a feature on stations past or present please send in material. We may include a small feature on stations which transmit in the CW (Morse) mode, indeed some such as OLX and Swedish Rhapsody use both types of transmission-this is an introduction to this area so your comment would be appreciated.

DIRECTION FINDING

I have received some "interesting" information on the possible location of some stations - I would be interested in hearing from anyone with use of directional equipment, I am keen that work is done on the general locations of stations, so if you can help please do get in contact. Not every station is operated by state or government agencies so if you have any suggestion however off-beat please let me know.

DEADLINES

The next issue of ENIGMA will be printed and despatched on the second week of January 1994, please send any information to be received by Monday 15th November 1993 .

Special thanks to Tony Rogers at BDXC & Andy Cadier at Short Wave Magazine for there valued support, quick hello too to all members of the World DX Club & Contact Magazine.

73's and kind regards from CHRIS & all at ENIGMA.

**The world's first computer was
Bletchley Park's Colossus. It was
at work breaking the German
Enigma codes in 1943**

Chris Midgley with the help of readers, and those of the British DX Club, has launched ENIGMA 'European Numbers Information Group and Monitoring Association'. The first numbers station news-sheet includes active frequencies, operating times and identification details. The second issue will be available later this month from 195 Roberttown Lane, Roberttown, Liversedge, West Yorkshire WF15 7LG.

..... EUROPEAN NUMBERS INFORMATION GROUP AND MONITORING ASSOC.

Number two of E.N.I.G.M.A. has recently been published. This bulletin is dedicated to the 'numbers' stations that can be heard on the short-wave bands. As said before, well worth getting a copy if you are interested in this aspect of the hobby. Send a stamp to: Chris Midgley, 195 Roberttown Lane, Roberttown, Liversedge, West Yorkshire, WF15 7LE.

.....
G993g Fred Wakefield in Bognor Regis writes: "Whilst Sheila Hughes of Morden has been checking frequencies for news about the BDXC, I was wondering if she has ever received these strange transmissions. On 11th August at 1815 UTC on 5229 kHz I received a transmission of an English speaking female reading out - Mike, India, Whiskey, and repeated....."

General Editor: Fred, and any other BDXC member interested in these stations, should write and request a copy of Chris Migleys's "ENIGMA" (Chris is a member of BDXC). You won't regret it! (please send a stamp for return postage to Chris at 195 Roberttown Lane, Roberttown, Liversedge, West Yorkshire, WF15 7LE)

LETTERS TO ENIGMA

First off lots of interest in the name ENIGMA, I must say that I didn't think of it, but I would like to thank David in Weymouth who did, I'm afraid I forgot to mention this before but a letter from Mr O'Daly prompted me into action. Thank you also David for all the Female Phonetic Station logs.

I received a very interesting letter from Derek in Epsom, but no return address, I would very much like to receive further information so Derek please contact me again, thanks.

Hello to Leo in Sunderland and thank you for your logs of the Female Phonetic Stations, Leo wrote out part of a transmission from ULX on 4880 kHz, the message started " ICIJZUG OMOXM JTSTC ZKGFG TNRGI UFFZ UMJO"ect, perhaps a feature on coding might help, to my knowledge no SW listner has ever decoded either a number or phonetic transmission, but we can keep trying ?.

Thank you to Tom from Macclesfield (who is at present working in Blackpool) for his kind comments about ENIGMA in the BDXC Magazine "Communication", also hello to Ian at BDXC who showed copies of ENIGMA at the Reading meeting which prompted Roger from Didcot to write.

From Bangor writes Ross with another logging of the Female Phonetic stations this time KPA on 7446 kHz at 17.20 hrs, I hope you will find our feature on these stations of use in locating yet more.

Greetings to Phil in Romford, he is an old hand at Numbers - listening from the 1970's, Phil says he misses some of the more individual stations but is pleased that Swedish Rhapsody is still going, well we are working on a full schedule for this station at present and will include it in our 1994 issue number 4 out in early January.

A quick hello to Ken in Doncaster, thank you for all the information from Monitoring Times, I hope that log-book from the U S A will become a regular feature.

Talking of the U S A Hi, to Lee in Lempster - Lee tells me that Havana Moons Numbers newsletter is now defunct, Lee is keen to help and I would be very pleased to receive information from the United States, particularly News & Logs - also perhaps publicity for ENIGMA via US publications.

On that very subject (publications that is) Ashley writes from New Plymouth in New Zealand, he asks if it would be

alright to pass on information printed in ENIGMA for use in the publication issued by the New Zealand DX League, well we would be delighted to be know in New Zealand, may I just also say to all readers that any information in ENIGMA may be reproduced - a mention for ENIGMA is appreciated. Staying with Ashley, he reported hearing the American voice - Count Station in English - between 12.00 and 12.50 UTC on 13555 kHz calling agent 394, hope to receive more logs from you Ashley.

Staying overseas - quick hello's to Ezzarrak in Morocco Philippe in Le Vestinet in France, Giorgio in Undine in Italy and a warm welcome to Mort in Baldwinsville near Syracuse New York, Mort said he heard about ENIGMA in the August issue of DX Ontario, now after that trip around the world it's back to Britain.

ENIGMA NEWS FROM CHRIS

ENIGMA goes Hi-Tech (unlike myself) all thanks to Mike Chace in Bath who will co-ordinate the Electronic side of the group thanks to his involvement with USENET - Mike is keen to hear from anyone who may have reference material, archive articles and logs which will then be passed on for use in future issues, you can contact Mike at:

Mike Chace <mikec@praxis.co.uk>

Mikes hard work is helping ENIGMA to be known worldwide.

DEDICATED MONITORS

One of the big things about number station is that they do not stay the same and things change very quickly, the number of readers are growing daily and I would like to float the idea of dedicated monitors who perhaps could study some of the stations to draw up schedules and keep our information upto date. If you could spare some time to study just one station during the three months between each issue, please let me know, I am particularly keen to work on some of the smaller stations.

FINANCE

Please don't turn the page - when ENIGMA started I didn't think it would now have over 50 readers, I am most grateful for all the SAE's and Stamps I have received plus gifts, I would like to ask if you think ENIGMA is the sort of thing you would buy IF we introduced a small charge for the year - the next issue will be free and sent out in early January 1994, please let me have your comments - I would not see any subscription above £3.00 for four issues which would cover postage stationary and photo-copying, depending on your reaction - !!!!!!!

TYROLEAN MUSIC STATION

"Does anyone remember the Tyrolean Music & Numbers station" This station operated in the 1970's, it operated on Saturday & Sunday's on 6425 & 6660 kHz and was almost certainly the most individual Numbers Station of them all.

Messages were addressed to named agents in German, and the transmitting site was probably on the French /Swiss border. This station was familiar to all users of the Echo Charlie Pirate Band. If you have any information about this station - however slight - please write to Mike Gauffman c/o the ENIGMA Newsletter.

The typical Tyrolean format : 11.30 Saturday & Sunday 3 tunes were played, same each day. Blank carrier until 11.55 then repeated interval signature tune - 7 note orchestral - taken from the Communist Internationale (towards the end) 11.59 the interval signal speeded up. 12.00 German Male then announces names of agents e.g. Heinrich, Fowler, Dover. Messages then follow for each agent separately (no group count). Messages are then repeated faster, . "Ende".

Occasionally bizarre variations to this standard format. e.g. a fourth tune then added. Non-standard tunes played interspersed with cryptic messages read out by the same announcer such as " Der Sunne Shein vörlisch " (the sun shine's 'gone out'). Figures were also read out but at random NOT in 5 figure groups. Lists of German words were also sent and the station suffered occasion jamming of both channels. Peculiar sounds, whistles, tape recorders being re-wound.

The station even sent Christmas greetings on 26th December 1971. Largest group counts were 29 the smallest 4 and an average of 12. Occasional irregular addresses were also heard for Franz, Kruz, Helmut, Nul, Renault & Nufpord.

Don't forget - if you have ANY information about this station please send it to ENIGMA and I will pass it onto Mike.

NEXT ISSUE

An update on the U S Count Stations - by Simon Mason.

AND

A major feature on stations that transmit in CW (Morse).

A look at how the Phonetic and Number Codes Work !!!!!!!.

PLUS.....Logbook from Britain & the USA - your letters and of course the latest station news, only from ENIGMA THE newsletter for Numbers.

STATION NEWS & LATEST LISTENING

LINCOLNSHIRE POACHER

This station is very active - towards mid July it began to change from its regular schedule and was after some tuning about - found on some new frequencies, out went 4468 & 6880 & 5749 kHz for evening and later 7887 kHz was also dropped. The station at the present time is in the 41 metre broadcast band on 7337 kHz and on 25 metre band at 11545 kHz, meanwhile old regular 9251 kHz continues. New HF channels have also appeared at 12603 & 13375 kHz all in SSB.

At first the powerful warble jammers were unable to find the station but have now found all but 11545 kHz. Between August 15th & August 24th all jamming seemed to have stopped but now 9251 is again jammed all evening.

At present try,

07.00	7887	9251	8464
14.00	14487	15682	16084
17.00	11545	12603	13375
19.00	9251	11545	12603 or 13375

It may also be worth keeping 5749, 6880 in your memory bank.

US COUNT STATION

This station is still going strong and suffers odd bouts of both warble and white noise jamming, it can be best heard in English with the occasional German transmission. This station will be featured in issue 4 - so I shall not say too much about it today.

One thing to watch out for is a wide range of control frequencies, these transmit on on the half hour and consist of 2 or 3 Four figure blocks which are repeated for 10 minutes only. Our view of the is that they send a very short message, perhaps the time and frequencies of the full message broadcasts.

Try ENGLISH

06.30	5205	9224
00.30	7541	5205
01.30	7763	
02.30	7763	
10.30		
13.30	13425	16434
17.30	5205	8559
18.30		

SPANISH

00.30	5264	6792
02.30	6840	9958
	7725	10324
	11491	16310

These are well worth a listen, for full transmission which always start on the hour try 5415 6840 9049 and 10135 in the early mid evenings in Europe.

STATION NNN

One of the smaller stations - but very interesting it like many of these less known ones gives very little in the way of clues. The first five minutes consist of the letter N repeated in CW (morse) followed by a German lady with a group count. Try 5177 & 5821 at 20.00 or 21.00, I'm sure you will find it if you try most evenings.

3 TONE STATION

Only heard on Sundays Evenings on either 5718 or 5617 this is again well worth finding, only heard in July this year it is new to ENIGMA, the three tones are sent at 21.10 for 5 minutes (the tone is that used by German Telephones so indicate number unobtainable) at 21.15 the yl announces the 5 figure groups in German. The station is very strong in Britain but is a bit low on modulation.

THE FIVE DASHES

One of my favourites this is now no longer broadcasting to schedule but can be heard in CW (morse) on 4395 5315 & 6708, It might be worth try on Sunday mornings still for the German voice transmissions at 10.00 on 8970 or 11.00 on 8970 & 10255.

STATION STRICH

Again not heard all that often, but reported ;

Monday	20.00	6810	English
Tuesday	21.00	5052	
Wednesday	06.00	7580	
Friday	15.00	7841	
Saturday	23.00	5052	CW (morse)

This station is easy to identify - the voice messages carry the word STRICH or OBLIQUE which are used between the numbers - for example 151/oblique/75 etc.

SPANISH STATIONS

Quite a few Spanish language stations seem to be making it to Britain in the early mornings. Spanish language stations are reported to originate in North America or Central South America.

The best one to try for is Saturday Mornings at 07.00 on 7887 (this is a Lincolnshire Poacher channel). The yl is very polite and starts at 07.00 with "Attention" followed by a three figure and a two figure number and five figure message.

Others reported try

Sunday	06.00	8165	Any Day	06.00	5762
Any Day	06.00	9156	Any Day	07.00	5846

BULGARIAN BETTY

First heard in December 1990 this station was thought to have closed, it was very active at one time.

Now heard daily (although poor reception in Britain)
Daily 13.55 to 14.05 5311

MYSTERY STATION

Reported in the last issue of ENIGMA, no one seems to have had much luck with finding out what this station is upto. Heard Monday to Saturday on 5529/5530 at 20.00 and also reported one hour later at 21.00 on 4800 variable, it is most frustrating to listen to. On the hour the yl sends 3 words over and over - at 4 minutes past a HF tone is sent for 30 seconds and then another 3 words are sent. Simon Mason writes..... I am very intersted in the station on 5530 at 20.00, I have never heard this before and am trying to find out what is being repeated but it is very difficult to make out the text. I heard something like LETHI ASEM CINKO which then changed to LU BAVAM LU then the tone is sent and the phrases are repeated, Simon continues by saying that he feel the station may be a long distance away - perhaps in the far east. I would welcome any help with what this station is doing.

VVV de OLX

This station is operating 24 hours a day (you will find a schedule enclosed with this issue). At five minutes to the hour the station sends a CW (morse) call sign which is VVV de OLX on the hour either a morse or female voice numbers transmission is sent to recipients who have a three figure identifier. The call sign VVV de OLX is or was allocated to the Czech Press Agency (CETEKKA PRESS). You may like to try to QSL this station (yes you read it right) although what will happen we can only wait and see.

The two addresses known are;
Federal Ministry of Post & Telecommunications/Chief
Engineer of Radio Communication Division / Olanska 5/
CS-12502 PRAGUE CZECH REPUBLIC

(Klingenfuss)

CETEKKA/CESKOLOVESKA Tiskova Kancolar OLX / Technical
Department 5 Opletalova Street CS 11144 PRAGUE 11
CZECH REPUBLIC

(S.W.M.)

THANK YOU TO EVERY ONE WHO SENT IN INFORMATION PLEASE
HELP ENIGMA WITH YOUR OBSERVATIONS LOGS AND NEWS.

WINTER: utc-7

$$\begin{array}{r} 288 \\ \underline{727} \\ 963 \end{array}$$
0400
$$\begin{array}{r} 668 \\ 615 \\ \hline 149 \end{array}$$

CW (Morse)

SIMON MASON WRITES...THE GERMAN TWO LETTER
STATIONS 1990-1993

There have been many changes in the past three years to the numbers station scene and the 2 letter stations are no exception. In that period, PAPA NOVEMBER has ended and DFC37 (3370) & DFD21 (4010) have also vanished. PAPA NOVEMBER was as regular as clockwork on shortwave for at least 25 years. It broadcast on 2707/5015/7404/11108 kHz at 0000/0600/1200/1800 with repeats at 30 minutes past, every day of the year. However, during November 1992 it ended abruptly.

What was happening to PAPA NOVEMBER'S stablemates DFC37 & DFD21 around this time ?. Not alot, they were still operating on 3370 and 4010 between 1500 & 2200 UTC. About this time I received word from a fellow DXer about these stations. He said that he had seen the official ITU frequency guide and indeed DFC37 & DFD21 were in it. Of course PN and all the other 2 Letter stations were not, their callsigns being "unofficial". He could'nt remember exact details but he said that they were running 15 kW transmitters and operate from Bonames, Western Germany. The supposed targets were Rome & New York.

It is probable that the transmitter site was and is being run by the Deutsche Bunderspost with the actual traffic being supplied by a third party, probably the German Intelligence Service, Bundes-NachrichtenDienst or BND. Initially the majority of broadcast were for agents in the DDR using modified East German receivers, but since unification, I suppose the transmissions are for BND agents all over the place.

German DXer Nils Schiffhauer writing in a Monitoring Times article has given another possible transmitter site. He say that there is a big transmitter and receiving site near Husum, Schleswig-Holstein call "Krumweg".

A month after the demise of PAPA NOVEMBER, DFC37 and DFD21 also fell silent. In the last days of 1992 it seemed that the 2-letter stations days were "numbered" - but 9 months later they are still very active.

Since the other stations closed some agents have now been tagged onto other 2 letter stations, another development is that 11108 which was solely and exclusively a PAPA NOVEMBER frequency has been noted carrying traffic for other 2 letter stations, notably PD & MD.

Further to Simons article we have looked at some maps of Germany, although Bonames does not appear (please write if you know anything about it) we have located Husum Schleswig Holstein,

- this is a sea port town which borders the North Sea on the West Coast close to Denmark, population 25,000 Old Prussia now known as North Friesland, Government buildings on the outskirts of the town.

The 2 letter stations operate in the main between about 16.00 & 23.00 UTC, we have put together a schedule based on logging in the Summer, however on the 1st of September the organisation behind these transmissions changed to the winter frequencies and moved more towards the 3 to 7 MHz channels, the result of this is that, although, the stations appear at the times listed it might be best to try several channels from the list below close to the ones in the schedule. Just to make it all more fun - not all stations appear each week, some are on every second week or even every month.

Try to listen for MIKE DELTA or DELTA MIKE which are in English.

Here is a list of all stations heard by Simon in 1993 along with the three figure identification (agent) numbers.

PZ 143 625 374 <u>411</u>	KW 844 091 908 513	EL 928 510 063
KR 737 171 <u>157</u>	LU 998 031 456	VO 141 283 507
GC 082 808 334	HK 393 621	NZ 202 649 955
CD 059 <u>432</u> 707	EG 472 795 267 <u>823</u>	NU 264 599 368
		<u>680</u>
JW 521 081 123 542	WL 115 522 026	DT 809 015 503
824		<u>991</u> <u>686</u> <u>062</u>
OA 122 820 039	PD 054 551 301	RD 041 208 457
		520 <u>914</u> <u>116</u>
GK 856 386 477	MD 017 241 331	DM 214
<u>316</u> <u>571</u> 740	296 565	

All UNDERLINED were formerly used by DFC37/DFD21, PN addressees not noted.

Finally, here is a list of all of the frequencies that have been noted carrying 2 letter stations over the years.

2707 3228 3262 4543 4594 4821 4888 5015 5182 5284 5732
 5770 6853 7404 7532 7740 7752 7858 8063 8173 9040 9325
 9450 10177 10460 10500 10740 11108 11545 12092 12314
 13572 13890 14622 14945 15610 16055 16220 16414 17430
 18195 18575 19295 19755 20350 Thank You Simon.

German 2 letter station heard within the 1600 - 2300 period.

	1600	1630	1700	1730	1800	1830	1900	1930	2000	2030	2100	2130	2200	2230
<u>Mon.</u>						EL6853	PZ6853 GK8063 RD7532	PD11108 MD10177	GK8063 or 8173 RD7532 PZ5732	EG10460 or 10177 EL5182	RD7532	DT7740 or 6853 GK8173		
<u>Tue.</u>	HK17430			OA8173		EL6853	RD8063 or 7858	EL5732 VO4821	PZ5284 or 5732 NU7404 or 7532	EG10177 EL3228 GK10177 or 8173		RD5770 or 6853	NU7532	
<u>Wed.</u>			DT8173		RD7532 or 9040	EL5770	OA9040 PZ6853 or 5770	MD9325 EL5284 or 5732 PZ6853	DT7858 or 7740 GK9325		EG9040 or 9325 GK9325 or 7740	RD5770 or 5732 or 7532	OA8063	
<u>Thur.</u>						EL6853	PZ5284 or 6853 OA9325 or 9040	EL5732	RD7740 NU7532 or 7740	VO4821 EG8173	JW13890	RD6853 GK7858 OA9040 or 9325	RD6853 DT7740 OA9325	SB 11545
<u>Fri.</u>	DT9040			NU8173	RD8173 or 7532	EL6853 RD8173	PZ6853 or 5732 GK9450	NU8063 PD11108 EL5732	MD11108		EG9040	GK8173 DT7740 or 7532	RD6853 VA9325	
<u>Sat.</u>		OA10177	NU8063 or 8173	NU8173 WL13890		EL5770 PZ5182	VO4880 DM8173 PZ6853	RD7532 PD11108 EL5732	EG8063 MO9450 VO4594	GK8063 or 7404	VO4821 JW13375	EL5732		
<u>Sun.</u>	DT9040		OA9040		PZ6853	EL5770	DM10177 NU7752 or 14821 VO4821 or 4888	PD11108 GK9325 or 10460	MD9450 VO4821 or 4888	EL5732	RD6853 EG9450 DT7532 or 17740	GK7404 or 8173 DT7740 NZ9450	NZ10177 RD6853	

FEMALE PHONETIC ALPHABET STATIONS

Back in the dim and distant past of issue 2 we promised to look at these stations, it was difficult to know just where to start....after I said I would write the feature lots of new logs came in, you will find a list of all the stations heard in 1993. Some are very regular and some are tests and even one off's - but I feel sure you will find it of interest.

The stations are again mainly heard in the evenings in Europe on a wide range of frequencies between 4 and 9 MHz, however 2 stations can be heard in the 2 MHz band, the first on 2270 and the second on 2952 try around 20/22 hours UTC. In contrast other stations operate in the very high bands at around 06.00 on 17410 & 19715 kHz, so this would suggest a worldwide operation on a very large scale - so who is behind this station.....

According to Tom Knietel - Guide to Embassy & Espionage Stations these particular stations are operated by Israeli Intelligence (better know worldwide has Mossad) or to give it it's full title Mossad Ha Bitakhan Leumi.

My own view is that this is certainly possible, the transmissions in the 2 to 9 MHz band are not that well received, which may suggest a site outside mainland Europe. The other theory is the possibility that some of these transmissions may be from a number of locations around the world - such has Israeli Embassy buildings. I also have information which suggests that some exchange of site use may take place with the United States and that US Count station transmissions may be sent over Israeli transmitters and vice versus.

The stations do also on occasion seem to suffer from the gremlins and go off air in mid flow, also it is possible to hear a message after the main message ends - due to break-through at the transmitter.

Listen out also for those complex message strings, these really are good practise for novice code-breakers.

Heard by Mike in Bath was this on MIW operating on 5230 kHz calling MIW 1 (1 indicates a test)

4D58 D59 Z18 4B59 B60 B61 B62 4D72 D73 D74 4D72 D73
D74 D75 4B88

All correct entries will win a trip to Israel.

Well hope you found that of interest - I would welcome any information logs & observations on these stations.

FEMALE PHOENETIC ALPHA STATIONS - HEARD IN U.K. 1993.

2270	JSR	2030 try
2952	SYN	2030 try
3150	PCD/ART	Try between
3270	KPA	1800 & 0100
3417	ART	
3840	YHF	
4270	PCD	
4465	FTJ	
4560	YHF	
4663	VLB	
4780	KPA/ULX	
4880	ULX	
5091	JSR	
5230	MIW	
5437	ART/PCD	
5531	BAY	
5629	SYN	
5715	ZWL	
5821	YHF	
5911	OEM	
6270	ULX	
6745	CIO	
6842	JSR/EZI	
6911	OEM	
7446	KPA	
7540	JSR	
7605	VLB	
7613	GPO	
7918	YHF	1730
8465	SYN	
8640	MIW	
9129	EZI	
10125	CIO	
10648	VHF	
11565	EZI	
12747	SYN	
13533	?	
13920	CIO	
14751	CIO	1645
17410	EZI	0600
19715	EZI	0600
20740	SYN	

The vast majority of stations operate in the early evening through to around 0000hrs, however, some start on the hour - others at 15, 30 and 45 minutes past the hour. I have noted those which have been heard at odd hours.

Note how some stations only operate in certain bands, e.g. EZI 6 - 19 mHz, or YHF 3 - 10 mHz.

Remember also that if the call ends 1 it is a test - SYN1 SYN1
or 2 no message will follow - SYN2 SYN2.

COUNT STATION - FULL MESSAGES.

					<u>Call</u>	<u>Count</u>
Mon	2100	5413	YL	ENG	009	198
Thur	2100	5413	YL	ENG	009	198
Mon	2100	5413	YL	ENG	183	68
Thur	2100	9049	YL	ENG	451	187
Wed	2100	9049	YL	ENG	376	195
Sat	1400	14448	YL	ENG	672	199
26.5 Wed	2000	10135	YL	GG	386	192
3.7 Sat	1800	6850	YL	ENG	400	193
7.8 Sat	1804	13424// 6850	YL	ENG	315	

COUNT STATION - CONTROL FREQUENCIES.

13.7 Tue	1730	5205	YL	ENG	1440/1917/8248
2.8 Mon	1330	13425// 16434	YL	ENG	Heavy white noise jamming.
19.8 Thur	0630	5205// 9224	YL	ENG	5194/6942

"RUSSIAN MAN"

21.5 Fri	2028	13585	OM	RR	
8.6 Tue	2211	8656	OM	ENG	
23.6 Wed	1931	10165	OM	ENG	"Arabic voice Eng"
2.7 Fri	2030	10130	OM	ENG	"Arabic voice Eng"
2.8 Mon	1834	11543	OM	RR	
5.8 Thur	2011	9970	OM	Eng	391/000

LINCOLNSHIRE POACHER

6.7 Tue	1706	13375// 12603 11545	YL	ENG	Calling 29040
12.7 Mon	2026	4468// 8464	YL	ENG	Jammed
13.7 Tue	2040	5746	YL	ENG	Clear
18.7 Sun	1400	14487// 15682 16084	YL	ENG	Calling 11607
18.7 Sun	1600	9251// 7887	YL	ENG	Jammed
19.7 Mon	2100	5746// 6880 7337	YL	ENG	Calling 90472
29.7 Thur	1400	15682// 14487 16084	YL	ENG	Calling 94072
29.7 Thur	1800	7337// 5746 6880	YL	ENG	Calling 11607
2.8 Mon	1700	11545	YL	ENG	Calling 76284

SWEDISH RHAPSODY

15.7	Thur	2000	5340	YL	GG
18.7	Sun	0805	8188	YL	GG
		1300			
18.7	Sun	1700	5340	YL	GG
30.5	Sun	1033	9457	YL	GG
8.6	Tue	2100	5747	YL	GG
17.6	Thur	2100	5340	YL	GG

STATION NNN

	Mon	2100	5177	YL	GG	Group 24
	Wed	2100	5177	YL	GG	Group 25
16.6	Wed	2100	5177	YL	GG	Group 25
18.6	Fri	2100	5177	YL	GG	Group 25
23.6	Wed	2100	5177	YL	GG	Group 30
12.8	Thur	2000	5821	YL	GG	Group 20
19.8	Thur	2000	5821	YL	GG	Group 30

5 DASHES STATION

						Call/Key/Message
30.5	Sun	1503	8970	YL	GG	810/69802/38 Blocks

3 TONE STATION only heard on Sundays

	Sun	2110	5718	YL	GG	21 X 5 figure blocks
	Sun	2110	5617	YL	GG	27 X 5 figure blocks
4.7	Sun	2110	5718	YL	GG	

BULGARIAN BETTY - Try daily.

2.7	Fri	1355	5311	YL	EE	East European
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SPANISH STATION - Try Saturday.

10.7	Sat	0700	7887	YL	SPN	3 figure call "Attencion"
						"Very polite voice"

GERMAN 2 LETTER STATION - Heard outside the 1600 - 2300 period. for 1600 - 2300, please see Schedule.

Tue	0100	10470	YL	GG	Whiskey Papa
Thur	0930	14945	YL	GG	Kilo Whiskey
Sat	0730	10460	YL	GG	Oscar Alpha
		or 10177			
Sun	1430	14945	YL	GG	Kilo Victor

MYSTERY STATION - See Station News.

Daily	2000	5530	YL	Unid.
	2100	4800	YL	Unid.

LOG BOOK FROM THE USA

PRODUCED FROM LISTING
IN MONITORING TIMES

<u>FREQUENCY</u>	<u>TIME (GMT)</u>	<u>M/F</u>	<u>LANGUAGE</u>	<u>STATION AND ID</u>
3150	03.30	YL	ENG	ALPHA - P.C.D.
3417	02.07	YL	ENG	ALPHA - A.R.T.
4505//				
4770	04.23	YL	GER	UNID - 5 FIGURE
4880	04.31	YL	ENG	ALPHA - U.L.X. 2
5150	01.02	YL	GER	UNID - 5 FIGURE
5297	03.02	YL	GER	UNID - 5 FIGURE
5301	03.02	YL	CZK	VVV - OLX
5437	02.38	YL	ENG	ALPHA - A.R.T.
6745	02.48	YL	ENG	ALPHA - C.I.O.
6840	02.36	YL	SPA	SPANISH 4 FIGURE
6952	02.07	YL	SPA	SPANISH 5 FIGURE
7423	03.18	YL	SPA	SPANISH 4 FIGURE
7605	00.10	YL	ENG	ALPHA - V.L.B.
7860	03.32	YL	SPA	SPANISH 5 FIGURE
8665	03.08	YL	SPA	SPANISH 5 FIGURE
9090	21.24	YL	ENG	UNID - 5 FIGURE
11123	14.29	YL	ENG	UNID - 5 FIGURE
11179	20.10	YL	SPA	SPANISH 5 FIGURE
18881	17.00	YL	ENG	UNID - 5 FIGURE
22011	00.25	YL	ENG	UNID - 5 FIGURE
22222	16.00	YL	ENG	UNID - 5 FIGURE
4463	02.08	YL	ENG	ALPHA - F.T.J.
4780	02.15	YL	ENG	ALPHA - K.P.A.
5091	04.06	YL	ENG	ALPHA - J.S.R.
5437	04.16	YL	ENG	ALPHA - A.N.R. 2.
5820	04.25	YL	ENG	ALPHA - Y.H.F.
7605	01.45	YL	ENG	ALPHA - V.L.B.
10546	03.25	YL	SPA	SPANISH 4 FIGURE
10500	19.06	YL	GER	UNID - 5 FIGURE
14750	19.44	YL	ENG	ALPHA - C.I.O.
15460	15.00	YL	ENG	UNID - 5 FIGURE
17425	00.30	YL	SPA	SPANISH 5 FIGURE
20115	00.20	YL	ENG	UNID - 5 FIGURE
5015	04.00	YL	GER	PAPA BRAVO 5 FIGURE
5770	07.30	YL	GER	KILO ROMEO 5 FIGURE
6853	23.30	YL	GER	HOTEL KILO 5 FIGURE
7422	03.15	YL	SPA	SPANISH 4 FIGURE
8063	23.30	YL	GER	SIERRA BRAVO 5 FIG
9040	16.00	YL	GER	DELTA TANGO 5 FIG
15610	16.00	YL	GER	HOTEL KILO 5 FIG

UNI - NO IDENTIFICATION HEARD, Lots of interesting logs from the USA reproduced from Monitoring Times and sent in by Ken in Doncaster, thanks for all that info.