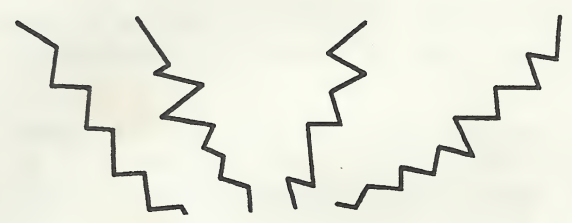
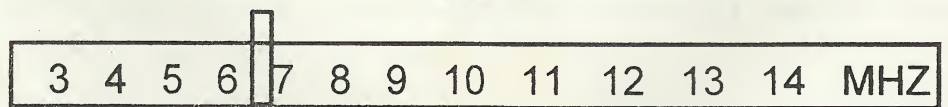


E. N. I. G. M. A.

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	SEDTZER	SEDEN
8	OSEM	OPT	ASEH	ACHT
9	PRUNKA	NOVA	DEVET	NEUN



"ENIGMA" - A RIDDLE - PUZZLING THING OR PERSON

Thank you for your interest in "number stations" - the radio spectrum is now larger and more accessible than ever - with something for everyone.

I hope through "Enigma" to look at the "number station" scene - I also hope you will be able to join in listening - it is important to say that the aim is only to provide dx interest - and extend the listening hobby.

The first issue will look at stations operating at present - I know that others do exist - so please tell me about them. Also enclosed is a selection of logs. I hope you will find it of interest.

In the next issue at the end of June we will be looking at publications on the subject and giving full details on Simon Mason's book Secret Signals, plus a close look at who might be sending the signals and why.

I would like to say thanks to:-

Andy Cadier, Shortwave Magazine
Tony Rogers, British DX Club
Alan Hutchins and David J Lane

Acknowledgements to Simon Mason

And Alison for typing all this.

Thank you.

The second issue of "Enigma" will be sent out at the end of June, please send in your letters, logs and comments to arrive by 5 June 1993, a stamp would be appreciated.

Kind regards 73's.

Chris

Everyone who receives issue 1 will automatically receive issue 2.

TWO LETTER GERMAN

ANNOUNCER GERMAN FEMALE MIXED AM / S S B

FORMAT

First 5 minutes consist of random electronic tones and a 2 letter identification - papa uniform - oscar alpha ect. Followed by group counts - 441-441-39 which would mean the message is for 441 and contains 39 5 figure blocks which follow.

OBSERVATIONS

This is the largest organisation with a great number of call signs and groups - the majority of broadcast are in the early-mid evening on 3 MHZ - 7 MHZ for Europe.

FREQUENCIES ACTIVE

2707	3262	3323	4010
4544	4595	4821	5015
5182	5732	5750	5770
	7405	7740	

OPERATING

Early/Late Evening

STATION NNN

ANNOUNCER GERMAN/ENGLISH FEMALE

FORMAT

The first 5 minutes consist of the letter N in morse code - followed by a group count, eg 15 and a selection of 5 figure blocks.

OBSERVATIONS

The announcer reads quite slow with a laid-back sort of reading - I have only found the German version so far.

FREQUENCIES ACTIVE

5177 11101
4026

OPERATING

Early Evening

FIVE DASHES

ANNOUNCER GERMAN FEMALE - OCCASION ENGLISH

FORMAT

First 5 minutes consist of a 3 figure number followed by a 5 figure number then 2 on 3 figures the english transmission was /257/05942/032/

257/257/257
Address

05942
Decoding Key

032
The number of 5
figure blocks to follow

This is all followed by 5 dashes and then the 5 figure blocks.

OBSERVATIONS

This station is easy to identify - the spaces between each letter are not equal - or of the same volume so the broadcast sounds VERY disconcerted and irregular - some are close together like FUNF - and some apart like NOYNER.

FREQUENCIES ACTIVE

12170 3348
10255
5474 in English

OPERATING

Afternoon/Evening

LINCOLNSHIRE POACHER

ANNOUNCER ENGLISH FEMALE / ALL IN S S B

FORMAT

First ten minutes consist of opening bars of the tune Lincolnshire Poacher followed by a 5 figure ID, eg 55141 repeated. Transmission starts at 10 past the hour with 10 tones followed by 5 figure blocks each repeated - the transmission carries 200 x 5 figure blocks per broadcast.

OBSERVATIONS

The broadcasts in S S B are often jammed - the previous fixed scheme in the early evening now seems more erratic - some times the jammer will only hit one frequency whilst others are clear.

FREQUENCIES ACTIVE

14487/15682 Early Afternoon
7887/8464/9251 Mid/Early Evening
4468/5746/6880 Evening - Up to 22.00

OPERATING

Most days/evenings

SWEDISH RHAPSODY

ANNOUNCER GERMAN FEMALE

FORMAT

First 5 minutes consist of a short excerpt of the tune Swedish Rhapsody played on mechanical music box, this is followed by a group count, eg 61349 followed by a selection of random 5 figure numbers.

OBSERVATIONS

Some broadcast on more than one frequency - on Monday 22 February 1993 at 17.00 hours the announcer appeared between every third play of the tune and counted 0-9 is German, followed by a normal format at 5 minutes past the hour.

FREQUENCIES ACTIVE

4780 5340
5749 6508

OPERATING

Early - Mid Evening

COUNTING STATIONS

ANNOUNCER ENGLISH OR GERMAN FEMALE

FORMAT

First 10 minutes consist of count from 0-9 with a call eg 263 - this is followed at 10 past the hour with a count, eg 72 which is the number of blocks of numbers which will follow.

OBSERVATIONS

This station is in both English and German, the English version has a strong North American Accent, most transmission are on 2 frequencies at once and suffer jamming from time to time finding the pair of frequencies can be difficult.

FREQUENCIES ACTIVE - In Pairs Where Possible

4540/3190 9050/5415
5415/4540
5415/7588

OPERATING

Most Evenings -
Large number
of repeat
transmissions

Also 7820/9050 which sounded more distant - not aimed at Europe.

TWO LETTER GERMAN

15.12	4595	20.00	YL	GG	NOVEMBER UNIFORM
21.12	4545 SSB	21.30	YL	GG	DELTA TANGO
06.01	5770	21.05	YL	GG	ECHO LIMA
28.01	2707 SSB	21.00	YL	GG	ROMEO DELTA
02.02	4545	21.30	YL	GG	DELTA CHARLIE
12.02	4595	19.00	YL	GG	ROMEO DELTA
14.02	4821	22.00	YL	GG	ROMEO DELTA
25.02	5732	23.00	YL	GG	FOXTROT SIERRA
05.03	4545	21.00	YL	GG	OSCAR ALPHA
09.03	4821	19.30	YL	GG	VICTOR OSCAR
15.03	4545	21.03	YL	GG	PAPA ZULU
16.03	4595	21.05	YL	GG	PAPA ZULU

TRY ALSO 7740, 5182, 5750, 3323, 3262 ALL HEARD AFTER 5 MINUTE SIGN ON - IE AFTER SIGN ON.

ALPHABET STATION

7.01	8464	21.30	YL	EE	S Y N 2
14.01	4465	21.12	YL	EE	F T J 2
28.01	5092	21.35	YL	EE	S S R 2
04.02	3420	21.30	YL	EE	A R T 2
10.02	2270	20.40	YL	EE	NOT I D' -
14.02	3150	22.00	YL	EE	P C D
7.03	4270	22.00	YL	EE	P C D
09.03	4560	21.00	YL	EE	Y H F
09.03	4880	23.00	YL	EE	U L X 2
08.03	5629	20.30	YL	EE	S Y N 2
16.03	5232	20.30	YL	EE	M I W - MESSAGE WAS
					M I W 16Z48
16.03	3150	21.05	YL	EE	P C D

LINCOLNSHIRE POACHER

					CALLING
7.1	8464	21.30	YL	EE	
12.02	5746	19.05	YL	EE	85253
17.02	4468	21.05	YL	EE	23143
28.02	14487//15682	13.08	YL	EE	
05.02	6880	21.30	YL	EE	
14.02	8464//	16.00	YL	EE	47694
14.02	9251				
14.02	9251	17.00	YL	EE	06710

SWEDISH RHAPSODY

2.02	5749	17.00	YL	GG	WITH 0-9 COUNT BETWEEN
					EACH 3 MUSICAL MARKERS
05.03	6508//	19.00	YL	GG	
		5340//			
		4780//			

STRICH/OBLIQUE

21.12	5780	21.12	YL	GG	
28.08	5300	22.00	YL	GG	
7.03	6758	17.07	YL	RR	

STRICH/OBLIQUE

ANNOUNCER GERMAN RUSSIAN ENGLISH FEMALE

FORMAT

This is operating in 3 languages - German, Russian and English - the first 5 minutes consists of 3 figures - followed by the word / Strich / Oblique / Presta - depending on the language - 341/00 - this is followed by 5 figure blocks.

OBSERVATIONS

Poor quality audio - listen for words such as Sedum (7) and Dvonta (2) which are easy to pick out - the announcer is fast - 'the agents must be trained to write down the numbers' - since it is a difficult station to follow.

FREQUENCIES ACTIVE

5780 6758
5300 3280

OPERATING

Mid-Evenings

ALPHABET STATION

ANNOUNCER ENGLISH FEMALE

FORMAT

A 3 letter identification is broadcast - eg, Uniform Lima X-Ray - followed by the words message Message Group 98 Group 98 Text Text. Sometimes 2 messages are sent - the message consist only of letters - and can be quite long in duration.

OBSERVATIONS

This is a large organisation with a lot of transmitters and call signs. If a 1 follows the ID it is, I understand, a test - if 2 follows the ID no message will follow.

FREQUENCIES ACTIVE

2270 3420 4464 4564 4880
5092 5232 5438 5630 5820
6270 6842 8465 9131

OPERATING

All Evening

CALL HEADERS

ART - SSR - JSR - SYN - EZI - ULX - YHF - MIW

RUSSIAN MAN

ANNOUNCER MALE ENGLISH / ALSO HEARD IN EAST EUROPEAN/RUSSIAN

FORMAT

The transmissions consist of a three figure identification 451 451 451 - followed by 2 letters 31 31 - 5 figure blocks after 5 minutes - transmission always end with '000' or '00000'.

OBSERVATIONS

Very hard to work out the schedule! Only heard occasionally. The male announcer is slow and clear with a powerful signal.

TRY - FOLLOWING

Late 1992 was

11220 11396
10260

1993 try

5660 4580 4620
7820 5390
Evenings

COUNTING STATION

					CALL	COUNT
21.12	4540//3190	21.00	YL	EE	447	
06.01	5415	21.05	YL	EE	661	
07.07	5415//4540(J)	21.11	YL	EE	219	
08.01	5415//7588	21.00	YL	EE	661	
20.01	9050//5415	21.17	YL	EE		
10.02	7588//5415	21.00	YL	EE	017	159
12.02	11465	17.06	YL	EE	426	200
12.02	4588	18.00	YL	EE	918	092
12.02	5475	20.03	YL	EE	257	
17.02	7820//9050	21.00	YL	EE	639	125
17.02	5415//7588	21.00	YL	EE	661	215
18.02	9050	21.00	YL	EE	103	119
18.02	4540//3190	21.05	YL	EE	725	
08.03	5415//4540	21.05	YL	EE	263	072
13.03	5415//4010	19.00	YL	EE	383	*
15.03	5415//4540	21.00	YL	EE	289	202

* ALL 383 TRANSMISSION TERMINATE AFTER 10 MINUTES WITH NO MESSAGES.

CALL IS THE GROUP OR PERSON

COUNT IS THE NUMBER OF 5 FIGURE BLOCKS TO FOLLOW - THE MESSAGE -

STATION NNN

06.01	5177	21.12	YL	GG
12.02	11101	11.00	YL	GG
17.02	5177	21.03	YL	GG
26.03	4026	21.12	YL	GG

FIVE DASHES

					CALLING
08.01	4022	21.07	YL	GG	
07.02	10255	11.15	YL	GG	
12.02	12170//	16.05	YL	GG	
	10255				
12.02	5475	20.03	YL	EE	257 05942 032

RUSSIAN MAN

					CALLING
14.01	4580	21.13	OM	EE	
20.01	5390	21.08	OM	EE	
28.01	4620	22.03	OM	EE	930
07.02	5660	21.00	OM	EE	
15.02	7820	20.30	OM	EE	'000'