

ENIGMA 2000 NEWSLETTER

Articles, news reports and Items of interest: e2k_news@hotmail.com
<http://groups.yahoo.com/group/enigma2000>

Sept 02
Issue 12

Welcome all to Issue 12 of the E2K Newsletter.

We, as usual, thank all our contributors for their input and especially those “new” monitors who have offered their services in specific station/time/freq monitoring, This has already started to pay dividends in terms of providing “clues” for the more experienced monitors, and in many ways the “nil required heard” report is often as valuable as a logging.

Unid b’cast station regularly heard on 6640kHz, European evenings (18.00 - 22.00z). It would not appear to be a typical EC band pirate (as is 6660/70kHz) and a number of monitors have tried to resolve it , in all modes - AM, FM, USB, LSB, ISB, DSB, without success. Our interest is the occasional data burst - is it related??. any info appreciated.

Unid, An amusing series of emails from stateside reporting “Commander Bunny of the Rodent Revolution” reading coded mssg’s , 6950kHz AM, in the US pirate band, for a short period starting 6th Aug (No, it will not be allocated an ENIGMA ID)

Over the same period this band was giving some very strange sigs into UK, with a steady SSN climb from 87 to 178 and both C & M class flares and Pc3 pulsations giving some disturbed conditions.

E10’s, FDU reported from Japan, more odd strings from other stations, ABC new freq + ABC2, and HNC-X and HNC-G putting in an appearance, see E10 full entry

S10, logged up as high as 14megs

*S11, possible new variant reported, under further investigation, prior to any ID being issued

CW

We continue in this Issue our Beginners Corner series with an article on M13 Family XV

For this issue the M13 Prediction Charts have been omitted, to allow more space for updated info on many of the individual stations, back again next issue.

M13d, to satisfy a number of requests the full transcript of the 18 May 2002 TX is reproduced in the appropriate section.

M20, Now shown as WITHDRAWN in the CONTROL LIST, confirmed as - several variations - a tuning signal for M03.

M51, some very interesting info revealed

CW Beginners Corner (Part 2, provided by CR)

The intricacies of the M13 Family XV.

This is a very large organization with a very complicated schedule of frequencies for a large number of recipients. There are 3 voice stations in the same family, E18, S04, and G22, but the majority of them are sent in morse.

Morse speed is fairly slow at around 8 to 10 WPM, so is fairly easy for those only just learning morse.

The first logs of this station I can find are in June 1993, but it seems that from the serial numbers of the messages, if they started at 001, that it probably started transmissions about 1985. I would be interested to know if anyone has any logs prior to June 1993.

When I first started logging them in 1996, I understood from the old ENIGMA that the transmissions were random, but over the years I have established that

there is a pattern to the transmissions, so they can be predicted in the majority of cases.

I have found that they transmit on the same days of each month, and the frequencies, although they change each month, are used on an annual basis, that is the frequency used this September will be the same in September 2003. They use a bewildering range of frequencies and can appear anywhere Between the lowest frequency logged, 3168kHz, and the highest, 13416kHz. Quite often they TX in the Broadcast bands, which seems strange as they are often lost underneath a very strong broadcast signal. (at least in UK/Europe, Ed)
The majority of them transmit on the hour, but others have been logged at H+10, H+15, H+20 and H+30.

M13

Format of transmission is, XXX 3 figure ID sent from between 2 to 6 minutes = 246 (message number, advances by one next month.) 21 (Group count) = 20 single 5 figure groups, short zero = XXX sent 12 times = 246 20 = (message repeated) = 000.

Times of transmission again can be varied, changes to 1 hour later when clocks change in October, (from UK BST to GMT) some of them have been heard sending their first transmission in the early hours between 02.00z and 05.30z, these are then repeated in the evening of the same day. My own theory is that all of them, apart from one, send the message first in the early hours then repeat later. (an ongoing investigation, Ed)

They have also been logged during the day at 07.00 08.00 09.00 11.00 12.30 15.00 and 17.00z. The primary times are between 19.00 and 22.00z and one can be heard every day at these times.

There are 4 distinct groups in the family, the first, using the ID's 253 254 272 284 378 411 417 458 501 517 714 746 757 823 and 975 just send 1 message each month. These are sent on the same days of each month and are repeated 2 weeks later. The messages are sent sometimes twice each time and sometimes 4 each time. Repeat sequences that have been logged:-

On the same day 1 Hour later on the same frequency.

On the same day 1 Hour later on a different frequency

On the next day at the same time on the same frequency

On the next day at the same time on a different frequency

On the same day 2 Hours later on the same frequency and also the next day.

Apart from one ID, 272, messages are sent on 2 days.

A subdivision of this first group is the ID 346, this is only sent once a month.

The further subdivisions are:-

2, ID 261 can send more than one message a month, it uses 2 IDs, 261 for short messages of 16 to 23 groups and 590 for longer messages.

3, ID 679, short messages, which uses 281 for longer messages.

4, A transmission sent at 15.00 and 17.00z which changes ID each month.

M13a Format of transmission is "XXX XXX XXX 000", which can be confused with M12. Also changes ID each month, and in addition to this has an 03.00z transmission which uses another, different, ID.

M13b

Again uses a different ID each month, can send more than 1 message in a month and uses the type "a" call for short messages and straight 3 figure call for long messages.

M13c

2 x month schedule, 1st/3rd Wed & Thurs (22.00z variable)

Uses a different ID each month and is possibly sent from a different transmitter. (commented on by a number of monitors, Ed)
The morse is sent in MCW and is faster and of a different rhythm to all other M13's

M13d (Ed note:- see Issue 10)

Has only recently been discovered by a listener in the USA.

As far as I can tell has only been heard at 0230z, despite intensive monitoring at other times. It does not follow any of the "usual" patterns and used the same frequency in the 2 months following discovery, in July 2002 it TX'd 3 messages. Format of transmission is "XXX ID for 5mins, BT, Mssg No, Gp count, BT"
Uses 767 for short messages and 303 for long messages.

Some of these can be very long, the longest recorded message for an M13, to date, was sent by this station:- 469 groups, taking many hours to transmit.

The following applies to all the M13's :-

The ending used to be 3 long dashes, but for a period in 2002 the messages were hand sent, and now the ending is 3 short zeroes. I suspect that a new machine has been brought into use which accounts for the change.

Errors are very rare, in all my years of monitoring I have only heard one, and that was very recently.

On Friday 5 July at 2000 there was a transmission to 253 on 12884, at the same time the other schedule on 8153 which should have been to ID 284 was being sent as 253 with the same message. The message was sent complete. The second sending 2 weeks later had the correct IDs and messages.

A new schedule was heard on 2 July 2000 ID 118 at 1900 on 8215. The second sending on 16 July was not heard, so this may possibly be one that only sends once a month, or even be like ID 123 that can be on any day or time. Until I get more information I will not be sure as to where in the family that these can be designated.

ID 123 is very elusive and apart from one instance does not seem to have any regular skeds or frequencies. I have so far only logged it on the following dates, with message serial number and group count. Note that it does send long messages.

2 May 1999 at 2000, Frequency 5315, Serial 114 GC 124,

7 May 1999 at 2000, frequency 5315, Serial 115 GC 60,

1/2 June 2000, at 2000, frequency 5422, serial 134 GC 52,

2 April 2001 at 0800, frequency 9998 Serial 143 GC 138,

then again one year later

1/2 April 2002 at 0800 on 9998, serial 155 GC 88.

You will note that the serial numbers increase, so it must be on each month, but I have not heard it since April 2002

I still feel that there are other schedules to be discovered and all logs are very welcome by Enigma2000, and a CC to crripwnr@supanet.com would be appreciated.

SELECTED MORSE STATIONS

UNID1 CW (per IB)

16301kHz, 03.00z 19-07-02 sent

“vvv x nnn ,jack jery de bandar 000/200 - - p p - - 190300z - - gr 260 gr 260 bt”

At 14.30z a similar 132 gps sent “will de bandar”

M01

Skeds almost as normal, noted that the 18.00z sked sometimes missed.

For Sept/Oct expect:-

Sun 07.00 6508kHz

Tue/Thu 18.00z 5474kHz, 20.00z 5017kHz.

Sat 15.00z 6261kHz

The ID for these will be 463 with a low GC, <40.

It has stopped using the last gp as a date/GC indicator

M01a

Has ceased the regular EoM TX, still some but on random days/freqs

Reports required

M01b

No set freqs, skeds Mon 20.10z, Thu 20.32z, Fri 22.02z

Sends same mssg to 3 ID's, usually for 4 consecutive weeks.

From 13 June to 12 Aug sent 62gp mssg. (2 consecutive months for this one)

5813kHz, 729/261/62, 21.10z, 15-07-02

M03

No set freqs, has daily sked at 16.30z with the long running, at least 1997, 287 null call. Other skeds

Mon 07.00z 040, 09.00z 016

Tue 07.30z 041, 07.45z 503, 08.00z 743, 09.30z 552

Wed 07.30z 508

Thu 09.00z 018 10.30z 214

Sat 08.00z 9339 !!!

M07

Possibly ended, not heard since 10 Dec 01

M08a

No set freqs, daily TX's, best in European mornings.

Poss new skeds, 04.00z 4027kHz

03.nnz 5420kHz

M10

No set freqs, daily TX's at 17.20z, 21.00z

Sun/Mon/Wed/Sat at 16.30z. the only M10 that sends 4 ID's - 049, 275, 435, 571 and increases speed with each message?

Sun 18.00z 19.20z

Mon 15.00z 19.20z

Tue 15.00z 16.40z

Wed/Thu 08.00

Sat 07.00

8/7/02 noted that 2 mssgs sent to "112" 40 & 32 gps on consecutive TX's

0.400z on 5860, 04.10z on 6780kHz. The 04.10z appeared to be a repeat of the 02.10z mssg on 7380kHz sent on 7/7/02

M10e

Regular 4 weekly cycle, 09.00z 5019/20kHz for 1 week, next dates W/C 23 Sept, 21 Oct.

5020kHz, 111:56728-12/23=10174etc, 09.00z 29-07-02

During the 09.00z, 30-07-02 sked an unscheduled break occurred during the second mssg.

M12

No set freqs/skeds.

14728kHz, 963/1/1552/140, 19.10z, 16-07-02 & 750/000 20.20z

M13

ID's heard 253, 261, 517, 714, 746,
10324kHz, 746, 21.20z, 16-07-02
11054kHz, 517,20.00z, 15-07 / 19.00z, 16-07 / 20.00z, 16-07-02
4691kHz, 522, 21.00z 04-07-02
The new Aug early morning freq was spotted by MS
18-08-02 03.00z 5733kHz ID 378

M13a

4638kHz, 175/000, 21.00z 13/14-07-02

M13b

4639kHz, 175 , 21.00z , 13/14-07-02

M13d (Transcript)

18 May 2002 TX

//begin copy// //0230z //6715m //5f groups //M13d

303 (R5) BT 266 492 BT //0235
38883 70759 04849 65134 34530 25193 08554 31222 51944 87799
63744 59163 77588 24890 50168 22017 16725 57879 563.5 33906
41764 83222 02944 87308 00347 69330 09704 43660 36734 15441
29051 97657 05311 59882 73668 73646 48524 25333 51573 51854
97252 78479 54103 85279 10318 26039 69780 24261 77487 53909

26201 27625 31714 11685 37374 66134 55441 25738 76975 47090
61.68 38774 75903 03656 13159 81696 47593 48979 47453 79077
20387 44660 52190 94697 99373 43285 98233 92164 38609 86368
63615 98131 49367 71979 38312 43680 41535 42842 70845 25488
80761 54381 32194 59957 91375 88352 97059 67585 97673 38837
//0254z

52134 44246 08646 95837 23127 16896 78717 28021 84202 57654
85536 34580 38104 31997 36793 83589 55923 98151 36821 53352
64410 74910 58777 86252 30152 03675 95965 22080 09426 20773
41394 52639 84131 64644 13475 03822 40662 89827 33604 29638
55409 82202 57304 54431 26372 69603 48777 33444 31633 59882

58666 31693 01650 15189 78140 97905 48837 33153 52033 04738
55885 15903 89515 78609 34021 54796 42878 76362 925.. 66236
48655 93669 33602 10966 42453 70480 90777 09608 60174 86457
62714 91841 02545 88883 49296 95092 97959 25629 27379 95458
06062 17151 56951 40918 98922 23587 33205 73883 15942 28884
//0313z

62643 05538 21152 73802 20258 53094 70361 89961 47837 78137
82546 66358 89610 54959 13785 80361 46286 26101 77804 64463
98205 24671 18584 43280 04632 04273 57204 44611 50855 06185
02517 25977 02431 19257 91095 68855 01707 30088 73345 73998
01402 48061 71724 81374 74995 75579 63573 90836 51587 48647

90116 64246 23706 79338 79585 56175 36509 06068 17179 43809
06504 13334 42945 68204 96598 00420 88644 78553 48864 22748
10464 07789 95717 18519 90135 22537 83484 93746 13408 68608
40890 47960 16520 06189 37379 94683 58125 94090 65980 17546
52420 20776 02464 53439 54109 37195 38653 99444 28547 18720

//0332z

32526 13814 37135 37755 70699 73150 65861 43520 63252 713..
79781 07413 26314 38568 27285 96523 09828 21600 51736 13746
06415 15759 85382 19436 28724 07650 23860 64629 40235 44258
45637 64302 56537 10863 1.588 04964 93806 92091 68924 63225
.5154 22837 44534 77314 70495 56047 01005 69499 89469 52722

12616 04344 81366 39195 50380 56799 38364 34439 48774 80982
41815 45432 25011 13350 58390 65747 27850 48655 39070 84357
15223 69646 36444 51983 41473 63381 82797 27618 57896 17736
53179 25079 96551 37260 49429 62538 52072 10294 17377 28515
26806 39458 85105 26162 36145 82511 65604 15853 42262 21962

//0351z

50621 26147 58233 73736 46833 38841 65444 49722 23683 53571
52577 65688 35.69 15213 48061 13826 23078 86729 91176 00689
67854 75701 38017 86249 81005 78729 39940 93141 60582 04606
81466 70614 69516 47464 45856 295.. 58... 81716 73769 24473
63008 44615 09612 34998 66623 58178 5792. 424.5 30178

12758 38845 74725 26818 30501 45833 17882 86338 52551 75943
67398 13672 45436 7178. 59452 46772 67822 26058 16384 35906
73956 26725 81146 33761 58.76 49411 86445 64554 31050 87688
40013 40517 073.6 71444 41033 31989 87661 34110 13216 85261
38883 70759 BT

//0408z

303x12 BT 266 492 BT

//begin copy// //0230z //6715m //5f groups //M13d

303 (R5) BT 266 492 BT //0235
38883 70759 04849 65134 34530 25193 08554 31222 51944 87799
63744 59163 77588 24890 50168 22017 16725 57879 563.5 33906
41764 83222 02944 87308 00347 69330 09704 43660 36734 15441
29051 97657 05311 59882 73668 73646 48524 25333 51573 51854
97252 78479 54103 85279 10318 26039 69780 24261 77487 53909

26201 27625 31714 11685 37374 66134 55441 25738 76975 47090
61.68 38774 75903 03656 13159 81696 47593 48979 47453 79077
20387 44660 52190 94697 99373 43285 98233 92164 38609 86368
63615 98131 49367 71979 38312 43680 41535 42842 70845 25488
80761 54381 32194 59957 91375 88352 97059 67585 97673 38837

//0254z

52134 44246 08646 95837 23127 16896 78717 28021 84202 57654
85536 34580 38104 31997 36793 83589 55923 98151 36821 53352
64410 74910 58777 86252 30152 03675 95965 22080 09426 20773
41394 52639 84131 64644 13475 03822 40662 89827 33604 29638
55409 82202 57304 54431 26372 69603 48777 33444 31633 59882

58666 31693 01650 15189 78140 97905 48837 33153 52033 04738
55885 15903 89515 78609 34021 54796 42878 76362 925.. 66236
48655 93669 33602 10966 42453 70480 90777 09608 60174 86457
62714 91841 02545 88883 49296 95092 97959 25629 27379 95458
06062 17151 56951 40918 98922 23587 33205 73883 15942 28884

//0313z

62643 05538 21152 73802 20258 53094 70361 89961 47837 78137
82546 66358 89610 54959 13785 80361 46286 26101 77804 64463
98205 24671 18584 43280 04632 04273 57204 44611 50855 06185
02517 25977 02431 19257 91095 68855 01707 30088 73345 73998
01402 48061 71724 81374 74995 75579 63573 90836 51587 48647

90116 64246 23706 79338 79585 56175 36509 06068 17179 43809
06504 13334 42945 68204 96598 00420 88644 78553 48864 22748
10464 07789 95717 18519 90135 22537 83484 93746 13408 68608
40890 47960 16520 06189 37379 94683 58125 94090 65980 17546
52420 20776 02464 53439 54109 37195 38653 99444 28547 18720
//0332z

32526 13814 37135 37755 70699 73150 65861 43520 63252 713..
79781 07413 26314 38568 27285 96523 09828 21600 51736 13746
06415 15759 85382 19436 28724 07650 23860 64629 40235 44258
45637 64302 56537 10863 1.588 04964 93806 92091 68924 63225
.5154 22837 44534 77314 70495 56047 01005 69499 89469 52722

12616 04344 81366 39195 50380 56799 38364 34439 48774 80982
41815 45432 25011 13350 58390 65747 27850 48655 39070 84357
15223 69646 36444 51983 41473 63381 82797 27618 57896 17736
53179 25079 96551 37260 49429 62538 52072 10294 17377 28515
26806 39458 85105 26162 36145 82511 65604 15853 42262 21962
//0351z

50621 26147 58233 73736 46833 38841 65444 49722 23683 53571
52577 65688 35.69 15213 48061 13826 23078 86729 91176 00689
67854 75701 38017 86249 81005 78729 39940 93141 60582 04606
81466 70614 69516 47464 45856 295.. 58... 81716 73769 24473
63008 44615 09612 34998 66623 58178 5792. 424.5 30178

12758 38845 74725 26818 30501 45833 17882 86338 52551 75943
67398 13672 45436 7178. 59452 46772 67822 26058 16384 35906
73956 26725 81146 33761 58.76 49411 86445 64554 31050 87688
40013 40517 073.6 71444 41033 31989 87661 34110 13216 85261
38883 70759 BT

//0408z

303x12 BT 266 492 BT

end of transcription

M13d

Aug sked not found

M14

No set freq/sked

Now only 1st/3rd Fri/Sat each month

M14a

Every Fri 19.00z, 4620kHz, ID560

M23

No set freqs, daily skeds.

Recently used freqs 10870//13400, 14920, 11170(also used by E15, much QRM), 10870kHz

Only sending 3f call for 10mins, no mssgs since 9 July.

01.00z 310, 01.30z 555, 03.30z 000, 17.00z 310, 17.30z 555

Newly found (26 Aug) :-

20.00z 160 9230kHz

20.30z 555 9159kHz

21.00z 555 9159kHz

M24a (2nd addressee, hand keyed)

Skeds

Mon 19.00z 4490kHz ID 363/***, Wed 19.00z 4970kHz ID 362/***

Heard 4490kHz 19.00z 15-07-02 263/407

M29

No set freqs

The Mon/Tue skeds appear to have settled down again to their expected pattern

Mon 08.00z 08.30z

Mon/Tue 06.00z 06.30z 12.00z 12.30z

Tue 06.00z 06.30z 08.05z 08.35z

Note that it did not appear Mon/Tue 19/20th Aug, it has done this before, but it was also the week that much of Central/Eastern Europe suffered severe flooding, it returned on 26th.

M40

No set freqs, makes infrequent calls at 17.00z & 17.30z ID 515, 20.00z ID 749, only these calls can be heard in UK/N.Europe, others reported from E.Europe

M45

During Sept/Oct 02

Tue/Thu 18.02z 4555//4955kHz, ID 555 (M10 & M23 also use the ID 555)

M51

Daily during early mornings, various freqs, recently 4910 & 5838kHz at 07.00 & 07.30z, 4910 & 5885kHz at 06.00 & 07.00z sending endless 100gp mssg's.

Sends DIFFERENT mssg each day.

Intensive monitoring of this station by GD has revealed a very interesting phenomena about its habit of "disappearing" in the middle of a message - it does not have any form of natural break - just changes to another freq and carries on, then sometimes reverts again to the original freq, **and sometimes not.**

A 3rd freq has never been found but there must be one, presumably between 4.5 & 6.0 meg for propagation purposes --- unless it is "satcomm" ?????

This raises the question of the possible recipient/s, it would be somewhat unusual for a "field agent" to have 2, if not 3, pretuned receivers to fully catch the TX, and any RX set that can auto retune within the space of a CW dot or dash is unknown here at ENIGMA 2000, so reasonably we can assume that the recipient/s are somewhat more substantial - such as Embassies, Legations, International Representative Bodies, Mil Sites etc. and that the traffic has a high importance.

Another "oddity" noted was that on 16-08-02 4910kHz at 06.00z was active - but so was 5868kHz, which stopped at 06.30z ??? while 4910 did a QSY to 5885kHz at 07.32z, is this freq change taking place at the same time in each TX - GD will investigate. Not known at this time if both TX's were the same.

M76

Not audible in UK till Nov, then probably at 05.00 & 17.50z on 3819

M83

No set freqs/skeds, now sending 50 gp mssg's

Credits:- AB, BM, CK, CR, GD, HFD, H, IB, ML, MS, PoSW, Anon1 UK, Anon2 UK, Anon1 EU, Anon2 EU

SELECTED VOICE STATIONS

Of much interest is the S11A variant discovered by AF which is featured under S11A heading and a must for those with an interest in this family of stations. AnonUK made the comment that this discovery could be a pointer that the Family III stations, the "STRICH" Family E11/G11/S11/S12/M3//G10/S26//M20] may hail from Poland or at least have Polish origin. Of course a different ident may be required and this decision remains *sine die* for the immediate future.

Next is an explanation of certain German numbers noticed in Number Transmissions and elsewhere.

The numbers in question are:-

- 2 ZWEI pronounced by some TXs, as TSWO .
- 5 FUNF some pronounce it as FUNUF.
- 9 NEUN pronounced by some as NEUGEN.

This is totally in keeping with some German armed forces stations and corresponds to our WUN, FOWER, FIFE, NINER. I would suggest that these are service trained operators, or ex, or even possibly, serving signals personnel. E2k received the above informative piece from an anonymous source [Thanks Anon source].

"And now for something entirely different:"

Once in while someone hears something that is a mystery or stimulating. Seeing the subject header 'Rodent Revolution' on a number of emails from US I paid some attention to the messages. However it was not until PLondon received the mp3 from Chris of the sending:

6950kHz 2315z 12/08 [AM ends 2325z]

and passed on via Group that I took it serious interest. However some good work has been done here and we acknowledge the input from Chris, Brooke and Derek [all via Spooks] that has produced the piece below.

'Rodent Revolution'.

This was the term used by Chris Smolinski to describe transmissions heard in the US. Chris also posted PLondon a 6MB mp3 file which PLondon managed to reduce down to a more meager 1.49MB to post on the e2k group site. A peculiar transmission and quite possibly a hoax [mention has been made that the sender is a regular at ACE (?) and known to at least one member of the Numbers community] numbers were read out in no particular groupings. The voice is a processed offering sounding like a cartoon chipmunk, but with difficulty was believed to be:

Grp#

1 12 2 7 12 18; **2** 18 14 1 8 4; **3** 18 12 6 14 14; **4** 9 5 20 1 12; **5** 18 5 8 21 4
6 2 2 7 8 8; **7** 22 14 20 8; **8** 12 19 19 5 8; **9** 18 15 8 10 4; **10** 12 2 10 12 17
11 17 14 19 18 21; **12** 8 6 14 19 7; **13** 17 14 1 6 12; **14** 18 4 12 19 5; **15** 12 19 4 18
16 3 3 11 20 18; **17** 18 23 14 20 19

The corresponding CT using A=1, B=2 etc is:

LBGLR RNAHD RLFNN IETAL REHUD BBGHH IVNTH LSSEH
ROHJD LBJLQ QNSRU HENSG QNAFL RDLSE LSDRL CCKTR RWNTS

One offering for this obvious cypher structure was:

*alfassone is a good hun as he will feed you eat the special carrots we hot frongasia
that is a bbkussmout*

LCJIHGFEDXKBWANOPQRSTMUYVZ

abcdefghijklmnopqrstuvwxy

Whilst another offering, where the numbers used were heard differently using audio processing:

1 12 2 7 12 13; **2** 18 14 1 8 4; **3** 18 12 6 14 14; **4** 9 5 20 1 12; **5** 13 5 8 21 4;
6 2 2 7 8 8; **7** 9 23 14 20 8; **8** 12 19 19 5 8; **9** 18 15 8 10 4; **10** 12 2 10 12 17;
11 17 14 19 18 21; **12** 8 6 14 19 7; **13** 17 14 1 6 12; **14** 13 4 12 19 5; **15** 12 19 4 18 12;

16 2 2 11 20 13; 17 13 23 14 20 19

Which translates to:

lbglm rnahd rlfnn ietal mehud
bbghh iwntH lSseh rohjd lbjIq
qnsru hfnsG qnafl mdlse lsdrl
bbktm mwnts

after transposition reads:

*alfansome is a good human he will feed you eat the special carrots we
got from ganja that is all bunny out*

Chris later sent the following: 'Based on known names in the US pirate community, I would expect the correct text to be [Insert punctuation as necessary]:

Al Fansome is a good human he will feed you eat the special carrots we
got from ganja that is all bunny out
LB GLRRNAH DR L FNNI ETALR EH UDBB GHHI VNT HLS SEH ROHJDLB JLQNSR UH
ENS GQNA FLRDL SELS DR LCC KTRRW NTS

(Ganja is the correct spelling. So why the i vs j in the plaintext? An error on the sending side??? J is not used in any other part of the text. 23 was the highest number heard, could this have been 24, not a 4?

I will have to re-listen to the recording. Perhaps the announcer read 4 when they meant to to read 24?)

(Al Fansome and [Captain] Ganja are two personalities in the US pirate radio community, as is [Commander] Bunny)

Quote: "I'm sure the boys in Ft Meade had fun with this one as well (heck, they probably had it decoded 2 seconds after receiving the transmission!)." E2k understands that GCHQ personnel experienced the same ease of decrypt and mirth on seeing the results!

[Tnx all concerned]

As you are aware the mode and sender and hoax nature of the transmission really dictates that there should be no Control List entry or Ident [including 'XRR' or any other suggested] allotted.

A second sending actually stamped the word 'hoax' on it when the message mentioned CS rather formally!

Now onto the listings:

Frequencies preceded by 'c' have been taken from an analogue receiver.

E03/E03a

Please Note: ENIGMA 2000 will not be including reports or analysis on E03/E03a.

E05

6970kHz	2100z	02/07 [219 count 196] //8110
	2100z	16/07 [385 count 176] //8110
	2100z	20/07 [314]
	2100z	23/07 [314 count 143] //8110
	2100z	27/08 [985 count 210] //8110
8110kHz	2100z	16/07 [385 count 176] //6970
	2100z	20/07 [314]
	2100z	23/07 [314 count 143] //6970
	2100z	27/07 [314 count 143 = 39439]
	2100z	27/08 [985, count 210]// 6970
13906kHz	1200z	14/07 [322 count 195] //15732
	1200z	28/07 [322 count 195] //15732
14739kHz	1500z	09/07 [080]
	1500z	12/07 [080]

	1500z	14/07	[080 count 215] //16198
	1504z	11/08	[710 /215] // 16198
15732kHz	1200z	14/07	[322 count 195] //13906
	1200z	28/07	[322 count 195] //13906
16198kHz	1500z	09/07	[080]
	1500z	12/07	[080]
	1500z	14/07	[080 count 215] //14739
	1506z	11/08	[710 / 215] // 14739

E06

Gert informs us of the July freqs for Saturdays as:

1230z 13950kHz, 1330z 11140kHz [Tnx Gert].

Gert's logs are:

11131kHz	2000z	09/07	[471 00000]
11140kHz	1330z	06/07	[963-715/44=40292]
11140kHz	1330z	20/07	[963 470 470 83 83 =12772 00000] end 1349z PLondon
	1330z	27/07	[963 871 871 55 55 =70387 00000] end 1344z PLondon
13950kHz	1230z	06/07	[963-715/44=40292]
	1230z	20/07	[963 470 470 83 83 =12772 00000] end 1349z PLondon
	1230z	27/07	[963 871 871 55 55 =70387 00000] end 1244z PLondon
	1230z	28/07	[963-871/44=70387]

Whilst these Sunday sendings were reported on Spooks:

17430kHz	1238z	14/07	AM in progress
	1220z	28/07	
	1320z	28/07	

E07

8251kHz	0510z	03/07	[246 000]
	0510z	17/07	[246-9433/131=80434]
	0510z	19/07	[246 000]
	0510z	24/07	[246 000]
9476kHz	0530z	26/07	[246 000]
10631kHz	0550z	10/07	[246-4063/67=76871]
	0550z	12/07	[246-9433/131=80434]
	0550z	26/07	NRH
12202kHz	2040z	17/07	[682 1 6292 40]
13872kHz	2020z	01/07	[682-518/64=25486]
	2020z	03/07	[682 000]
	2020z	08/07	[682-337/41=60837]
	2020z	10/07	[682-337/41=60837]
	2020z	15/07	[AM 682 000]
	2020z	17/07	[682 1 6292 40]
	2020z	24/07	[682 000]
	2020z	29/07	[682 000]
	2020z	31/07	[682-1239/56=87314]

E10

From MWAnon we receive this holiday log of monitored E10's from Nissaki, Corfu:

c3950kHz	1850z	29/06	VLB2	c/s repetition, no msg txt
c4180kHz	1915z	23/06	MIW2	c/s repetition, no msg txt.
c4250kHz	1845z	25/06	CIO2	c/s repetition, no msg txt
c4250kHz	1945z	25/06	SYN2	c/s repetition, no msg txt
c6450kHz	1835z	25/06	HNCJ	c/s repetition, no msg txt

[Tnx MWAnon].

From BMDartford we receive these excellent logs

E10 for June 02 By Frequency

4015

20:47 01 June VLB2 Nil, 21:47 19 June VLB2 Nil

4270

21:02 11 June PCD2 Nil, 23:33 16 June PCD2 Nil, 23:05 24 June PCD G62, 22:04 25 June PCD G23

4360

20:47 01 June CIO2 Nil, 21:44 19 June CIO2 Nil

4461

21:03 11 June FTJ G58, 21:05 16 June FTJ G37, 22:05 25 June FTJ G16, 20:41 29 June FTJ G23

4780

23:45 09 June SYN2 Nil

5091

20:00 02 June JSR G55, 21:01 11 June JSR2 Nil, 23:38 16 June JSR G92, 23:37 22 June JSR G21

5170

20:47 01 June VLB2 Nil, 22:54 06 June VLB2 Nil, 23:45 09 June VLB2 Nil, 21:47 19 June VLB2 Nil

5230

22:16 15 June KPA2 Nil, 22:18 25 June KPA2 Nil

5339

20:47 01 June CIO2 Nil, 22:45 06 June CIO2 Nil, 23:54 09 June COI2 Nil, 21:46 19 June COI2 Nil

5435

20:00 02 June ART2 Nil, 22:30 15 June ART2 Nil, 00:10 23 June ART G51, 23:00 29 June ART2 Nil

6428

19:52 30 May ABC, 21:08 31 May ABC, 20:30 01 June ABC, 19:58 02 June ABC, 20:05 03 June ABC

23:43 04 June ABC, 21:30 05 June ABC, 20:29 06 June ABC, 22:22 07 June ABC, 23:11 08 June ABC

6912

20:47 01 June CIO2 Nil, 22:45 06 June CIO2 Nil, 23:45 09 June CIO2 Nil

6930

20:47 01 June VLB2 Nil, 22:45 06 June VLB2 Nil, 23:45 09 June VLB2 Nil, 21:45 19 June VLB2 Nil

7605

20:47 01 June SYN2 Nil, 22:45 06 June SYN2 Nil, 23:45 09 June SYN2 Nil, 21:48 19 June SYN2 Nil

7918

23:30 11 June YHF2 Nil

9130

20:02 02 June EZJ2 Nil, 23:07 09 June EZI G42, 23:00 11 June EZI G42, 21:42 15 June EZI G67

21:04 16 June EZI G67, 21:31 19 June EZI G88, 21:02 22 June EZI G88, 21:38 25 June EZI G54

23:04 29 June EZI G88

11.565

20:02 02 June EZI2 Nil, 21:38 25 June EZI G54

19715

23:34 25 June EZI G37

General Comments

22May/08June. ABC was heard transmitting for 18 consecutive evenings, with no changes, on 6.428 between 1900-01:00hrs. On the 9th and 10th of June nothing was heard which indicated they have stopped transmitting. During this period there seemed to be less activity from the other networks although CIO2, VLB2 & SYN2 were still in evidence and transmitted on 8 different frequencies at the same time.(See log)

A pattern emerged with EZI, during the 9th to the 29th of June on 9.130, the group count was on most occasions either G42, G67, or G88.

Maybe due to the poor reception and the possible lack of traffic this month, I heard nothing on the following frequencies. 3.150, 3.230, 5.437, 6.270 & 6.575

Top 5 For June VLB2, EZI, CIO2, ABC, and SYN2.

E10 for July 02 By Frequency

3150

00:32 06 July PCD2 Nil, 01:02 06 July PCD G38
3840
00:02 23 July YHF2 Nil
4015
00:49 22 July VLB2 Nil, 20:00 22 July VLBA002Z8M2030, 21:28 22 July VLB85,
22:15 22 July VLB G22, 22:23 22 July VLB G23, 22:28 22 July VLBA181, 00:49 23 July VLB2 Nil
4165
23:18 21 July MIW2 Nil, 21:19 22 July MIW2 Nil
4270
23:32 05 July PCD2 Nil, 01:02 06 July PCD G38, 00:02 23 July PCD2 Nil
4360
23:49 05 July CIO2 Nil, 23:50 07 July CIO2 Nil, 00:47 22 July CIO2 Nil
4461
00:40 02 July FTJ G57, 00:34 06 July FTJ G80, 00:33 08 July FTJ G114, 00:01 10 July FTJ2 Nil
21:32 16 July FTJ G90, 00:03 23 July FTJ2 Nil, 22:48 23 July FTJ G15 & G88
4560
00:31 23 July FTJ G107,
4780
00:50 2 July SYN2 Nil
4880
00:12 23 July ULX G84
5091
23:35 05 July JSR G112, 23:32 07 July JSR G112, 23:32 09 July JSR G68, 22:00 16 July JSR G35
5170
00:50 01 July VLB2 Nil, 00:49 02 July VLB2 Nil, 20:00 22 July VLBA002Z8M2030
21:28 22 July VLB85, 22:15 22 July VLB G22, 22:23 22 July VLB G23, 22:28 22 July VLBA181
00:49 23 July VLB2 Nil
5230
01:16 01 July KPA2 Nil, 00:18 06 July KPA2 Nil, 23:50 07 July CIO2 Nil, 00:19 08 July MIW2 Nil
21:18 08 July KPA2 Nil, 23:17 17 July KPA2 Nil, 23:20 21 July KPA2 Nil, 21:19 22 July KPA2 Nil
5339
00:50 01 July CIO2 Nil, 00:50 02 July CIO2 Nil, 23:49 05 July CIO2 Nil, 23:50 07 July CIO2 Nil
00:50 23 July CIO2 Nil
5435
01:00 01 July ART G26, 00:02 03 July ART G18, 23:30 05 July ART2 Nil, 00:03 09 July ART G25
00:06 10 July ART G13, 21:32 16 July ART G66, 00:04 23 July ART G15
6210
21:47 04 July FDU Nil
6270
21:32 03 July ULX G8?, 23:34 05 July ULX2 Nil
6370
23:18 21 July MIW2 Nil
6428
00:36 01 July ABC Nil, 22:37 01 July ABC Nil, 21:00 02 July ABC Nil, 20:47 03 July ABC Nil
22:42 04 July ABC Nil, 23:29 07 July ABC Nil, 21:17 08 July ABC Nil, 23:17 09 July ABC Nil
23:21 21 July ABC Nil, 19:10 22 July ABC Nil, 00:53 23 July ABC Nil, 22:54 23 July ABC Nil
6575
23:16 02 July HNCS Nil, 20:40 06 July HNCX Nil
6912
00:49 01 July CIO2 Nil, 00:49 02 July CIO2 Nil, 20:46 22 July CIO2 Nil
6930
00:48 01 July VLB2 Nil, 00:48 02 July VLB2 Nil, 23:52 05 July VLB2 Nil,
20:00 22 July VLBA002Z8M2030, 21:28 22 July VLB85, 22:15 22 July VLB G22
22:23 22 July VLB G23, 22:28 22 July VLBA181, 00:49 23 July VLB2 Nil
7445
23:16 21 July MIW2 Nil, 21:19 22 July MIW2 Nil

7605

00:48 01 July SYN2 Nil, 00:48 02 July SYN2 Nil, 23:51 05 July SYN2 Nil, 20:46 22 July SYN2 Nil
00:50 23 July SYN2 Nil

7690

00:19 22 July KPA2 Nil

7918

19:14 06 July YHF G66 & G57, 23:32 07 July YHF2 Nil

9130

23:00 02 July EZI G88, 21:19 03 July EZI G88, 23:07 05 July EZI G88, 23:19 12 July EZI G88
23:16 17 July EZI G61

11565

23:07 05 July EZI G88, 23:19 12 July EZI G88

19715

23:38 01 July EZI G37, 23:31 07 July EZI G37

General Comments

01 July and ABC returns to the air on it's expected frequency of 6.428 at 00:36hrs and the format remains the same no group message just continuous ABC for hours. Previously a rare catch it now seems to transmit most evening (see log) for long periods with the odd break. Must be a good reason why somewhere?

02 July HNCS transmitting on 6.575. This call sign was last heard on this same freq on the 24 Mar 02 and as before no group messages.

04 July FDU on 6.210 at 21:47hrs. Enters my list for the first time, reception very poor due to back ground noise, but just about confirmed. Had been informed during the week that the network was also working this freq between 1600 & 1800hrs, which I can not access due to work load.

06 July YHF was heard with an excellent signal on 7.918 at 19:14hrs, transmitting two group messages G66 & G57. However during the repeat of G66 (first Message) the transmission suddenly ended at 1925hrs. I heard no further activity that evening. (I last recorded hearing this c/s on the 25 Mar 02.)

06 July at 2040hrs on 6.575 I caught the last few moments of HNCX another variation of this call sign. All units of this network seem to make use of this frequency

7 July at 23:50 hrs CIO2 added another frequency to its list of 5.230. Looking through the logs this is the 7th change of frequency since last Nov, though it still uses 5.339, 6.912 & 4.360 as its main outlets.

8 July at 00:19hrs MIW2 broke silence after a absence of almost 3 months on 5.230. Procedure as normal and no group message.

21 July 23:16 MIW2 now sending on 4.165, 6.370 & 7.445. 3x freq's not previously picked up by me, (Re my 8 July comment, no wonder I didn't hear them, changed frequency)

22 / 23 July saw a great deal of activity from many E10 Stations between 20:00hrs 22 July to 01:00 hrs of the 23 July (see log) The main excitement being from the VLB camp on 4.015, 5.170 & 6.930 all frequencies in use at the same time. It started as such.

20:00hrs VLBA002Z8M2030 and at 21:28hrs this changed to VLB85. At 22:15hrs it became VLB with a Group 22 message that was repeated. Immediately after it was VLB with a G23 message, this time not repeated.

At 22:28hrs the C/S changed to VLBA181 and kept repeating this C/S until 00:30hrs when it stopped. At 00:49hrs VLB2 was heard for the normal transmit time then all was quiet.

Top Six Heard

CIO2, ABC, VLB2, EZI, KPA2, ART

New Headers, Variations & New C/S

VLBA002Z8M2030, VLB85, VLB818, HNCX, HNCS, FDU

E10 For August By Frequency

2626

00:02 12 Aug FTJ2

3150

00:02 12 Aug PCD2

3840

23:00 29 July YHF G23, 01:16 01 Aug YHF G70, 23:13 09 Aug YHF G72, 00:03 12 Aug YHF2

01:01 12 Aug YHF G77, 23:04 15 Aug YHF G67

4015

22:43 09 Aug VLB2, 22:40 13 Aug VLB G31, 20:47 21 Aug VLB2
4165
01:17 30 July MIW2, 01:16 01 Aug MIW2, 22:15 04 Aug MIW2, 22:19 08 Aug MIW2,
01:15 12 Aug MIW2, 22:33 13 Aug MIW G37, 22:30 14 Aug MIW2, 23:08 15 Aug MIW2
23:11 16 Aug MIW G33, 20:18 21 Aug MIW G20
4270
21:56 04 Aug PCD G92, 23:33 05 Aug PCD2, 22:34 08 Aug PCD, 00:02 12 Aug PCD2
4360
23:47 29 July CIO2, 22:45 09 Aug CIO2, 22:40 14 Aug CIO2, 20:47 21 Aug CIO2
4461
02:03 30 July FTJ G61, 22:06 04 Aug FTJ G15, 22:14 08 Aug FTJ, 23:15 09 Aug FTJ G117
23:19 23 Aug FTJ G49
4780
23:46 29 July SYN2, 22:50 09 Aug SYN2
4880
23:30 05 Aug ULX2, 22:37 08 Aug ULX, 22:45 09 Aug ULX G89, 00:04 12 Aug ULX G26
22:39 14 Aug ULX G89
5091
23:30 29 July JSR G91, 23:27 06 Aug JSR G48, 22:34 08 Aug JSR G42, 22:45 13 Aug JSR G42
22:38 14 Aug JSR G42, 23:00 23 Aug JSR G61
5170
23:46 29 July VLB2, 23:45 06 Aug VLB2, 22:43 09 Aug VLB2, 22:40 13 Aug VLB G31
5230
01:17 01 Aug KPA2, 22:16 04 Aug KPA2, 01:15 12 Aug KPA2, 22:44 13 Aug KPA2
22:32 14 Aug KPA2, 22:50 15 Aug KPA G25, 20:20 21 Aug KPA21ZKIMD [EOT 21:23hrs]
5339
23:47 29 July CIO2, 23:45 06 Aug CIO2, 20:40 07 Aug CIO2, 22:44 13 Aug CIO2, 19:49 23 Aug CIO2
5435
23:30 05 Aug ART2, 22:33 08 Aug ART, 00:04 12 Aug ART G29, 22:57 14 Aug ART2
5820
23:00 29 July YHF G23, 22:32 08 Aug YHF2, 23:13 09 Aug YHF G72, 22:57 14 Aug YHF G67
23:00 25 Aug YHF G63
6210
22:58 29 July FDU4, 00:25 30 July FDU4, 01:25 30 July FDU5
6370
01:16 01 Aug MIW2, 22:15 04 Aug MIW2, 01:15 12 Aug MIW2, 22:33 13 Aug MIW G37
23:11 16 Aug MIW G33, 20:18 21 Aug MIW G20
6428
20:13 05 Aug ABC2, 21:41 06 Aug ABC2, 20:24 08 Aug ABC, 22:40 09 Aug ABC, 22:43 11 Aug ABC
23:00 12 Aug ABC, 22:34 13 Aug ABC, 22:33 14 Aug ABC, 23:06 15 Aug ABC, 00:45 17 Aug ABC
22:52 18 Aug ABC, 20:19 21 Aug ABC, 19:45 23 Aug ABC, 21:18 25 Aug ABC
6498
01:40 01 Aug PCD G29, 23:11 09 Aug PCD G75
6575
23:59 10 Aug HNCS, 22:51 11 Aug HNCS
6930
23:46 29 July VLB2, 22:40 13 Aug VLB G31, 22:34 14 Aug VLB G31, 20:49 16 Aug VLB G26
19:48 23 Aug VLB2
7605
23:46 29 July SYN2, 22:43 14 Aug SYN2, 20:50 21 Aug SYN2, 19:48 23 Aug SYN2
7690
01:17 01 Aug KPA2
7811
20:17 05 Aug CIO2, 20:40 07 Aug CIO2
8025
23:00 18 Aug KPA2, 23:17 23 Aug KPA2, 21:17 25 Aug KPA2

8127

23:12 18 Aug MIW2, 20:18 21 Aug MIW G20[EOT 21:23hrs], 23:16 23 Aug MIW2

21:17 25 Aug MIW2

9130

22:36 08 Aug EZI, 23:15 23 Aug EZI G62

17410

23:34 08 Aug EZI G50

E10 Comments

29/30th July. FDU4 and FDU5 were heard during the early hours of the morning on 6.120, with each session lasting approx 5 mins.

05 Aug. What a surprise to hear ABC2 On 6.428 at 20:13 hrs. (This is a first for me) No change to the network format, just continuous ABC2 this time. Exactly the same procedure on the 6th Aug with ABC2.

07 Aug. CIO2 now continuous for last 4hrs 10 mins on 5.339 / 7.811. This extended call is a change from the normal. Finally stopped at 00:50hrs 8 Aug

8/9/11 Aug. ABC returned on 6.428 replacing ABC2

10/11 Aug. HNC S heard again during the late evening (See log) on 6.575 and on each occasion the transmission lasted 5 mins.

13 Aug. A flurry of transmissions between 22:33hrs and 22:45hrs from MIW, ABC, VLB, CIO2, KPA2 & JSR. Kept one busy moving between the frequencies used. (See Log). MIW carried on sending the same G37 Message on 6.370 & 4.165 and eventually ended at 00:20hrs 14 Aug. The last time I heard MIW was in March .

14 Aug. Once again intense activity from 22:30 to 23:00hrs this time from MIW2, KPA2, ABC, VLB, JSR, ULX, CIO2, SYN2, ART2 & YHF. As normal ABC all evening, its just the case of logging it at what ever stage of the evening / am you tune in.

15 Aug. Again plenty of activity from the Call signs as at 13th & 14th above but another first for me this time KPA on 5.230 at 22:50hrs this was rarer than ABC. KPA continued to send the same Group 25 message which ended at 0020hrs the 16 Aug. 1 Hour 30 mins later.

21 Aug MIW repeatedly sent a Group 20 message for 65mins on three frequencies from 20:18 to 21:23hrs this seems to be the practice at the moment for a number of call signs. Special Header KPA21ZKIMD was heard transmitting for over an Hour on two freq's 5.230 & 8.025 no other info was passed.

Headers and C/S Variations

FDU4, FDU5, ABC2, HNCS, KPA21ZKIMD

Longest & Shortest Group Message

FTJ Group 117

FTJ Group 15

E10 Monitored Networks & Callsigns 2002 [As at 25 Aug 02]

<u>Special Header</u>	<u>Date Last Heard</u>	<u>Frequency</u>	<u>No of Times</u>
CIOA2M2C4	03 Feb 02	5.339	1
CIOSE	10 May 02	6.930 5.339 4.360	1
KPAZHAZ0905Z2050	09 May 02	5.230	1
KPA21ZKIMD	21 Aug 02	5.230 8.025	1
MIWTMX 1504	14 April 02	6.930	1
SYND 2	10 Mar 02	4.780	1
SYNSE	10 May 02	7.605 4.780	1
VLBSE	10 May 02	6.930 5.170 4.015	1
VLBTMX 1504	14 April 02	5.170	1
VLBA002Z8M2030	22 July 02	5.170 6.930	1
VLB85	22 July 02	5.170 6.930	1
VLBA181	22 July 02	5.170 6.930	1
<u>C/S Variations</u>	<u>Date Last Heard</u>	<u>Frequency</u>	<u>No of Times</u>
ABC	25 Aug 02	6.428 5.170 5.230	45
		6.270	
ABC 2	06 Aug 02	6.428	2

ART	12 Aug 02	5.435 5.437	78
ART 1	09 Feb 02	5.435	1
ART 2	14 Aug 02	5.435	31

CIO	26 Mar 02	5.339 6.912 4.360	4
CIO 2	23 Aug 02	7.918 5.339 3.230	78
		6.912 4.780 5.230	
		4.360	

EZI	23 Aug 02	9.130 19.715 11.565	43
		17.410	
EZI 2	02 June 02	19.715 9.130 11.565	3

FDU	04 July 02	6.210	1
FDU 4	30 July 02	6.120	2
FDU 5	30 July 02	6.120	1
FTJ	23 Aug 02	4.461 6.270 4.560	58
FTJ 2	12 Aug 02	4.461 2.626	10

HNC I	08 Feb 02	6.575	1
HNC K	02 April 02	6.575	1
HNC R	21 Mar 02	6.575	1
HNC S	11 Aug 02	6.575	3
HNC X	06 July 02	6.575	1
HNC Z	06 Feb 02	6.575	1
HNC 1	09 Feb 02	6.575	1

	23 Aug 02	5.091	72
JSR 2	11 June 02	5.091	14

KPA	15 Aug 02	5.230	1
KPA 2	25 Aug 02	4.780 6.912 5.230	39
		8.025 7.690	
KPA 6	09 May 02	4.780 5.230	2

MIW	21 Aug 02	3.150 5.230 6.930	8
		6.370 4.165 8.127	
MIW 2	25 Aug 02	5.170 5.230 6.930	49
		4.165 7.445 5.370	
		6.370 8.127	
MIW 6	21 Jan 02	5.230	1

PCD	09 Aug 02	3.150 4.270 6.498	28
PCD 2	12 Aug 02	3.150 4.270 6.498	24

SYN	Nil		0
SYN 2	23 Aug 02	7.918 4.015 4.780	46
		7.605	

ULX	14 Aug 02	5.091 4.880	24
ULX 2	05 Aug 02	5.091 6.270 4.880	18

VLB	16 Aug 02	5.170 6.930 4.015	9
VLB 2	23 Aug 02	7.605 6.930 5.170	76
		4.780 4.015 4.360	
VLB 3	24 Mar 02	5.170 4.015	2

JSR

VLB 6	19 Jan 02	5.170	1

YHF	25 Aug 02	7.918 3.840 5.820	18
YHF 2	12 Aug 02	7.918 3.840 5.820	14

Top Ten Confirmed Most Heard

1. ART 78
2. CIO2 78
3. VLB2 76
4. JSR 72
5. FTJ 58
6. MIW2 49
7. SYN2 46
8. ABC 45
9. EZI 43
10. KPA2 39

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10648kHz 2037z 13/08 [QPAZ] JoA
 13531kHz 2006z 02/08 Start up missed, weak signal in London.

E11

9448kHz 1230z 12/07 [312-00]super
 1230z 16/07 [312-00]very weak
 1230z 19/07 [312-00]extremely weak
 9610kHz 1030z 12/07 [312-00] super
 1030z 16/07 [312-00]
 1030z 19/07 [312-00] weak
 1030z 26/07 [312-00]
 10125kHz 0800z 11/07 [232-00] weak
 0800z 18/07 [232/00] PLondon
 0800z 25/07 [232/00]
 0800z 01/08 [232/00] PLondon, severe QRM from French hams, audio/fax.
 11116kHz 0800z 12/07 [232/00] Anon Scandinavia
 0800z 19/07 [232-00] very weak
 0800z 26/07 [232/00]
 0800z 02/08 [232/00] PLondon
 0800z 30/08 [232/00] JoA

E15

We print the known schedule [as prev issue 6]:

1100z 1800kHz BEC	1700z 1400kHz FYS	2100z 4130kHz MSA
1200z 1750kHz WSP	1730z 5834kHz MSA	
1230z 11170kHz OSS	1800z 5834kHz WSP	
1300z 11000kHz BEC	1900z 4130kHz PAR	
1400z 14000kHz FYP	2000z 5530kHz NAS	
1630z 6715kHz NAS	2030z 5530kHz BEC	

Below reported by Joe T, US via 'spooks':

14000kHz 0200z 17/07

This is interesting because the 14M transmission is shown as 1400z in the above schedule; is this night encounter an indication of a 24 hour sched? There was no mistaking the time, Joe's report was read at 0550z 17/07.

E23

Best frequency is usually 8188kHz. 4 weekly cycle starting on the first Monday of the Month.

Transmits Monday Wednesday and Thursday:

Week 1 0957z 6507kHz 1157z 8188kHz 1257z 5340kHz

Week 2 0957z 7250kHz 1157z 8188kHz 1257z 5748kHz

Week 3 0757z 4832kHz 0957z 6200kHz 1157z 8188kHz 1257z 6507kHz

Week 4 0757z 5340kHz 0957z 8188kHz 1157z 7250kHz

Week 4 in AM only.

From AF we read:

7250kHz 1157z 31/07 [very weak, (week 4)]

8188kHz 1155z 08/07

1155z 10/07

1155z 11/07

1155z 25/07

G04

Freqs previously reported as follows [Date: 2105z freq 2135z freq]:

01/00:3440 3340,02/00:3920 3820,03/00:4520 4420,04/00:5210 5310,05/00:4830 4930,06/00:5220 5320, 07/00:5360

5460,08/00:5320 5420,09/00:4760 4860,10/00:4580 4680,11/00:4270 4370,12/00:4110 4210,

01/01:4120 4220,02/01:4280 4380,03/01:4750 4850kHz

03/02: [poss 4750] 4850, 04/02 5210 5310, 05/02 4830 4930, 06/02 5220 5320

July's freqs as anticipated and heard by PLondon and HFD:

5360kHz 2000z 04/07 [87614]

5460kHz 2030z 04/07 [87614]

August freqs anticipated as 5320kHz and 5420kHz and heard by AF, PLondon, JoA

5320kHz 2000z 01/08 [46240]

5420kHz 2030z 01/08 [46240]

August 2000z sending was hailed by an intermittent carrier at 1950z followed by a brief 'Achtung Achtung!' Likewise a long tone at 2027z was heard followed by tty . These were thought not to be involved with G04 but the three tones of 375, 250 and 500Hz that started at 2030z easily swamped what qrm the data station was delivering.

5th September freqs are anticipated as 4760/4860kHz

G06

From Gert [Holland] we receive:

9240kHz 2000z 01/07 [Null 308]

11425kHz 1900z 01/07 [Null 308]

S06

12180kHz 2115z 08/07 [035 035 035 00000] Identical Freq+Msg as 23/07

14560kHz 2015z 08/07 [035 035 035 00000]

AnonUK noted that another 3 group message was sent 03/07:

14580kHz 0700z 03/07 [729 R4 481 481 3 3 44111 56778 74532]

AnonUK also sends the following with the observation that SO6 seems to keep to the same yearly schedules:

10230kHz 1200z 29/07 [631 Null] Poor Sigs

12165kHz 1210z 29/07 [631 Null] Poor Sigs

Heard in part by JoA on 06/08 and ID by AnonUK:

13936kHz 1852z 06/08 In progress, ends 1857z

1845z 07/08 Reasonable sigs. 00000 1857z

There is an S06 on the Second and Fourth Saturday of the month 1600z on 7610kHz.
Also heard on Tuesday and Wednesday at 1845z on 13934kHz.
One S06 that was on last year, same times and frequencies. Monday 1200z on
10230kHz and 1210z on 12165kHz. The Wednesday 0700z is still on 14580kHz.

Received from Gert these possibly represent a new slot. They occurred on first and third tuesdays.
7917kHz 1900z 06/08 [353 null msg]
1900z 20/08 [353 null msg]

[Tnx Gert].

S10

This rare station was heard by Igor [Chita, Russia]
14377kHz 1500z 24/07

Message reads:

555 555 555 630 630 630 26 298 298 298 39 630 630 630
88 88 26 26
pozor pozor
22681 01927 57852 28497 16098 47023 14551 62402 64620 06654
71238 26629 74587 10053 76474 71214 69096 38415 47249 58733
86907 27663 87060 74347 00849 34423 [26 groups]
pozor pozor
88 88 26 26
298 298 298
23 23 39 39
pozor pozor
39724 00215 85343 61798 55502 30222 23011 94274 64759 52435
56889 80122 28755 68250 17469 42068 53961 76837 81117 70388
62546 76921 34529 86417 69420 61284 58407 10296 15262 13015
28837 96519 32508 55667 73099 64410 89029 56955 29459 [39 groups]
pozor pozor
23 23 39 39
konec konec

S10E

Arrived on its 28 day cycle [as did M10E]

10642kHz 1300z 01/07 with reasonable signals. [DoKent].
1300z 02/07 [111 80032 23 40809 17 40827 20 55834 18] AnonUK and Gert
The next offering, expected on 29/07 appeared at 1300z with fair signals and monitored by DoKent:
10642kHz 1300z 29/07 poor signals.
1300z 30/07 good readable, central London.

The next appearance was scheduled for 26th August 2002 and arrived as expected, monitored by DofKent [who also confirmed that M10E hailed its approach by coming up in the morning]!

10642kHz 1300z 26/08
1300z 28/08 ex sigs [PLondon].

Next appearance expected 23rd September 2002.

S11A

Heard by Gert:

4783kHz 0500z 04/07 [972/00]
0500z 18/07 [972-00] from AF
0500z 08/08 [972/00] 4783kHz

*Now an interesting and rather intriguing find by "ldo_123":

This obvious S11A variant was heard by "Ido_123" as follows:
10221kHz 1030z 25/08 [121-00] ending at 1035z

AF remarked that it sounded Czech or maybe Polish and asked for help with identifying the station, which he had not heard before.

A shortened sample was sent and that is now available to be heard on E2k's Number group.
<http://groups.yahoo.com/group/enigma2000>

AF gave a (shortened) sample with the end of the transmission as "121-00 121-00 konec

He follows the intriguing mystery with a language explanation:

*in Russian: "Odinka dvoika odinka cherta null null odinka dvoika odinka cherta null null konec"

*in Polish "jedyńka dwójka jedynka kreska zero zero jedynka dwójka jedynka kreska zero zero koniec

So the magic word word is "kreska" wich means stroke and should be "-". [dash].

AnonUK gives this interesting opinion:

Certainly a variation of S11A, the only thing is that on others I have heard the figure 1 is sent as Adinka, the recording is sent as Yidilca, as far as I can tell.

In the Enigma booklet, it is shown as a Russian station and the ending is Kanyets.

But the recording is very clear as to the ending of Konec. very much for sending it.

I have the figures as, these are as they sound.

1 Adinka, 2 Dvoyka, 3 Troyka, 4 Chetyorka, 5 Petyorka, 6 Shest, 7 Syem, 8 Vosyem, 9 Dyvyet
0 Noll, / Cherta

The ID 121 has been heard on CW, it was a special one that had no skeds and could be heard at any time. I have not heard the Morse one for a very long time.

S17C

Those of us in Great Britain are still troubled by the unwanted occupation of the frequency by a tty station. Monitoring this station is difficult if not impossible from our shores. Luckily HFD and AF sent their logs giving almost complete coverage:

6758kHz	1250z	01/07 [87045] (hfd)
	1250z	02/07 [too weak to understand] (AF)
	1250z	03/07 [87032] (hfd)
	1250z	04/07 [69041] (AF)
	1250z	05/07 [69041] (AF)
	1250z	07/07 [89034] (AF)
	1250z	08/07 [85045] (AF)
	1250z	10/07 [95035] (AF)
	1250z	11/07 [87031] (hfd)
	1250z	12/07 [86046] (AF)
	1250z	13/07 [86046] (hfd)
	1250z	15/07 [89031] (AF)
	1250z	18/07 [94042] (hfd)
	1250z	19/07 [85031(???) extremely weak] (AF)
	1250z	20/07 [extremely weak] (AF)
	1250z	21/07 [99037] (AF)
	1250z	23/07 [85042] (hfd)
	1250z	24/07 [00053] (!) (hfd)
	1250z	25/07 [68031] (hfd)
	1250z	26/07 [95035] (hfd)
	1250z	27/07 [94034] (hfd)
	1250z	28/07 [94033] (hfd)

1250z 29/07 [68020] (hfd)
 1250z 30/07 [85044] (hfd)
 1250z 31/07 [94035] (hfd)

[Tnx AF and HFD].

S21

From AF:

4973kHz 1742z 09/07 [973 211 31 69543...] // 5373
 5373kHz 1742z 09/07 [973 211 31 69543...] // 4973

V02

During the V02 message sent at 0600z 25/07, E2k received a telephone message from JoA telling us that Spanish numerals were being sent on 8438kHz starting 0600 to 0620z [25/07]. The signal was strong but JoA missed the ending at 0620z. We were not sure exactly what JoA had heard but Michael Huemann produced the answer with his posting on spooks 15/08. 8436kHz 0600z 15/08 as V02.[We have not managed to hear this one since, sent on the last Thursday of July and obviously intended for US area].

4028kHz 0500z 02/08
 5762kHz 0200z 13/07
 8097kHz 0630z 11/07 [in progress AF]
 0525z 18/07 [in prog; PLondon 000 0546z]
 0600z 18/07 [000 0642z PLondon]
 0600z 25/07 [000 0644z PLondon]
 0600z 01/08 [000 0644z PLondon]
 0600z 03/08
 0600z 15/08 [000 9644z PLondon]
 0600z 24/08 [AM A 41321 95781 53833]
 8132kHz 0700z 21/07 [poor sigs PLondon]
 0700z 28/07
 0700z 25/08 [AM A 132 38] End 0709z
 8184kHz 1845z 14/07 [85658 44303 12398 UU]
 8436kHz 0600z 15/08
 9153kHz 0700z 18/07 [000 0742z PLondon]
 0700z 20/07 [000 0744z PLondon] 'Woolly' sigs
 0700z 25/07 [000 0744z PLondon]
 0700z 01/08 [000 0744z PLondon] v.poor sigs adj station QRM LSB to resolve.
 1110z 11/08 [AM 962 08]
 0700z 15/08 [000 0744z PLondon] v.poor sigs adj station QRM
 0700z 24/08 [AM A 41321 95781 53833] rpt of 0600/8097kHz
 9323kHz 0408z 11/07
 11566kHz 0417z 11/07
 12494kHz 1910z 07/07

V02a

3292kHz 0400z 27/08 [LSB Much QRN]
 4017kHz 0309z 30/07 [TTY QRM]
 0311z 27/08 AM Started late w/o callups. Down at 0313. Up/down repeatedly
 4329kHz 0400z 14/08 [A 04463 66473 20141]
 4479kHz 0400z 09/08 [USB Very clear signal]
 0300z 21/08 [15162 20453 20142]
 5762kHz 0400z 24/08 [AM A 66611 76863 79484] rare ID ending in 4; heavy QRM
 5883kHz 0533z 10/08 [AM In progress - new freq]?
 0500z 24/08 [AM A 66611 76863 79484] rare ID ends in 4; rpt of 0400 5762kHz; M8a mixing
 6768kHz 0400z 29/07 [AM tx with bad hum A 60502 68433 21621]
 6855kHz 0316z 29/07 [AM In prog; another V2a mixing w/audio, abrupt end at :17. restarted :
 26, down :40]

7555kHz	0337z	28/07
	0300z	12/08 [AM A 0522 44983 54321] (same as 0200z 7887kHz)
7887kHz	0200z	11/08 [AM A 05222 44983 54321]
8010kHz	0600z	09/08
9330kHz	0406z	29/07 [CW V02a in M8a sked with tx in cw mode. Not a good night for Fidel].
10126kHz	0317z	30/07 [Fast cinco]
10446kHz	0329z	29/07 [AM In prog; very loud tx hum; another V2a mixing w/audio very loud. down :43]
	0300z	21/08 [08723 45901 31862]
11566kHz	0406z	10/08 [AM In progress - weak; another V02a and M08a mixing in background]
	0300z	16/08 [AM Very poor modulation; M8a in background]
	0402z	27/08 [AM A 94253 43272 38632] another V02a (poss 3292) mixing.
12180kHz	0241z	21/08 [excellent audio]
12215kHz	0200z	30/07 [AM Unusually weak]
13436kHz	0114z	27/08 [AM Obliterated by PSK at 0120]

V07

July freqs per AnonUK:

	0600z	13840kHz
	0620z	14940kHz
	0640z	16340kHz
		<u>ID893</u>
13840kHz	0600z	23/07 [893/000] PLondon
14940kHz	0620z	23/07 [893/000] PLondon
16340kHz	0640z	23/07 [893/000] PLondon

August freqs per PLondon who discovered they have remained the same as July:

0600z 13840kHz, 0620z 14940kHz, 0640z 16340kHz; ID893

13840kHz	0600z	01/08 [893/000] PLondon
	0600z	06/08 Message ends 10mins
	0600z	08/08 Message ends 10mins
	0600z	13/08 Message ends 10mins
	0600z	15/08 Message ends 10mins QRM from Religious station.
14940kHz	0620z	01/08 [893/000] PLondon
	0620z	06/08 Message ends 10mins
	0620z	08/08 Message ends 10mins
	0620z	13/08 Message ends 10mins
	0620z	15/08 Message ends 10mins
	0620z	27/08 [893/000] PLondon
16340kHz	0640z	01/08 [NRH] PLondon
	0640z	06/08 Message ends 10mins
	0640z	08/08 Message ends 10mins
	0640z	13/08 Message ends 10mins
	0640z	15/08 Message ends 10mins

Anon UK observes: "Unusual this month as it is repeating the same message since Tuesday 6th August. Very rare for that family to repeat a message more than one week. The only other one I know was an M12 for several months in 1998, repeated the same message.

V08

From ML:

6647kHz	1802z	06/07 ending 1808z usual music
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V13

8300kHz	1336z	28/07
	1400z	28/07

	1300z	29/07
	1430z	11/08 [USB faint]
	1430z	15/08
	1418z	21/08 [USB very faint]
	1417z	14/08 [USB New Star in prog]
9725kHz	1336z	28/07
	1400z	28/07
	1300z	29/07
	1430z	11/08 [USB faint]
	1417z	14/08 [USB New Star in prog] QRM from bc stn prog
15388kHz	1336z	28/07 [heavy QRM]
	1416z	14/08 [USB New Star in prog; QRM]

XP

The 2040z sending had remained NRH for the last two months last recorded as being used in April on 9475kHz [ID194]. In the month of July it certainly looked as though this slot was going to remain barren. However an event occurred on the morning of Thursday 18/07 that lead PLondon to listen even more closely that night. Having had his chances of going to work scuppered by London Underground's 'safety strike' he listened, out of sched, to XP. He was surprised to receive a strong 0600z sending on 11083kHz and was even more surprised as he watched his spectral display as the 'space,0,rpt,0,space' [303,335,511,335,303Hz] sequence unfolded in the first 12 seconds of his monitoring indicating a null message. The last NRH of the 0640z sending occurred on Friday 18/06. It was obvious that something was different. At 2000z 18/07 PLondon again monitored XP and watched his spectral display show 463,367,335Hz x3 followed by the sequence 304,352,304Hz twelve seconds into the transmission. That 3 character sequence is 'space,l,space' and indicates a message; in the case of 11075kHz at 2040z 18/07 a 268 group offering. Suspicious of a schedule change PLondon managed to listen from his work QTH and heard a full 3-slot transmission at 0600z et al on 19/07.

July's freqs per JoA, PLondon and AnonUK

0600z 11083kHz 02/07 05/07 09/07 12/07 16/07 18/07 19/07 23/07 26/07 30/07
 0620z 12183kHz 02/07 05/07 09/07 12/07 16/07 18/07 19/07 23/07 26/07 30/07
 0640z 13883kHz 02/07 05/07 09/07 12/07 16/07 NRH 19/07 23/07 26/07 30/07
ID018

2000z 13807kHz 02/07 04/07 09/07 11/07 16/07 18/07 23/07 25/07 30/07
 2020z 12211kHz 02/07 04/07 09/07 11/07 16/07 18/07 23/07 25/07 30/07
 2040z 11075kHz NRH NRH NRH NRH NRH 18/07 23/07 25/07 NRH
ID820

Upto 29/08 the 2040z sending of the first schedule has yet to be heard. If the intentions of an intended sending were disclosed by a Thursday morning 'out of schedule' null message sending on the 0600z sched it wasn't monitored by PLondon who patiently waited on 10600kHz.[Of course it could have been elsewhere]

Other schedules:

2010z 15780kHz 02/07 05/07 09/07 12/07 16/07 19/07 23/07 26/07 30/07
 2030z 13804kHz 02/07 05/07 09/07 12/07 16/07 19/07 23/07 26/07 30/07
 2050z 12215kHz 02/07 05/07 09/07 12/07 NRH 19/07 23/07 26/07 30/07
ID782

August's freqs per JoA, PLondon and AnonUK

0600z 10601kHz 02/08 06/08 09/08 13/08 16/08 20/08 23/08 27/08 30/08
 0620z 12201kHz 02/08 06/08 09/08 13/08 16/08 20/08 23/08 27/08 30/08
 0640z 13501kHz NRH 06/08 09/08 NRH 16/08 20/08 23/08 27/08 NRH
ID625

2000z 13953kHz 01/08 06/08 08/08 13/08 15/08 20/08 22/08 27/08 29/08
 2020z 12176kHz 01/08 06/08 08/08 13/08 15/08 20/08 22/08 27/08 29/08
 2040z 10736kHz NRH NRH NRH NRH NRH NRH NRH NRH 29/08

ID917

Other schedules:

2010z 14984kHz - 06/08 09/08 13/08 16/08 20/08 23/08 27/08 30/08
2030z 13849kHz 02/08 06/08 09/08 13/08 16/08 20/08 23/08 27/08 30/08
2050z 12151kHz 02/08 06/08 09/08 13/08 16/08 20/08 23/08 27/08 30/08

ID981

PLondon informs us that the 2050z 02/08 sending had a dk/gc of 217/207, the next group being 80832 followed by 7rpt745, then 23128 followed by 26rpt34. We know that the rpt character effectively separates groups so the message [in part] would read: 217 207 80832 7 745 23128 26 34

What are the functions of the numerical groups and those containing the rpt characters?

10736kHz is the elusive 3rd freq of the first schedule's evening transmission and notified by JoA

XPH

July freqs per AnonUK & HFD

1830z 16355kHz 02/07 06/07 09/07 13/07 16/07 20/07 23/07 27/07 30/07
1850z 14873kHz 02/07 06/07 09/07 13/07 16/07 20/07 23/07 27/07 30/07
1910z 13366kHz NRH 06/07 09/07 NRH NRH NRH NRH NRH NRH

ID383

August's freqs per PLondon, JoA and AnonUK

1830z 15632kHz - 06/08 10/08 13/08 17/08 20/08 24/08 27/08 31/08
1850z 14350kHz - 06/08 10/08 13/08 17/08 20/08 24/08 27/08 31/08
1910z 12223kHz - 06/08 10/08 NRH NRH 20/08 24/08 NRH NRH

ID632

Problems were encountered locating the XPH frequencies for August, due mainly to the fact that the first freq is inhabited by a BC station that effectively masked the short transmission from our inquisitive ears. Not so lucky when PLondon located the station managing to isolate the two tones of 875 and 845Hz to point to the 2nd and 3rd freqs of 06/08 by using a deft piece of filtering and Spectran. He later demodulated the third sending to find a dk/gc 7857 89 this same dk/gc [and possibly same message] sent on the 10/08 sendings, [TnxP].

A worthy addition to this edition of the Newsletter is a Prediction List for September 2002 penned by Gert of Holland:

Predictions for September 2002

Date	Day	Time (utc/gmt/z)	TX	Name	Freq (kHz)
1	sun	12.30 / 13.30	E06	Eng man 00000	search
2	mon	19.00	G06	German lady 00000	search
2	mon	20.00	G06	German lady 00000	search, last month 9120
2	mon	20.00 / 20 / 40	E07	Eng man 000 000	13416 11625 10292 (462)
3	tue	06.00 / 20 / 40	V07	Spanish lady	000 000
3	tue	10.30	E11	Oblique	9610
3	tue	12.30	E11	Oblique	9448
3	tue	19.00	G06	German lady 00000	search

3	tue	19.00	S06	Russian man 00000	7917 or search
3	tue	20.00	G06	German lady 00000	search
4	wed	05.10 / 30 / 50	E07	Eng man 000 000	6934 8103 9368 (913)
4	wed	07.00	S06	Russian man 00000	14580
4	wed	20.00 / 20 / 40	E07	Eng man 000 000	13416 11625 10292 (462)
5	thu	05.00	S11a	Cherta	4783
5	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	
5	thu	08.00	E11	Oblique	10125
5	thu	10.30	E11	Oblique	9610
5	thu	12.30	E11	Oblique	9448
5	thu	18.30	G06	German lady 00000	6887 or search
5	thu	20.00	G04	Three note oddity	search 4500 - 5500
5	thu	20.30	G04	Three note oddity	search 4500 - 5500
6	fri	05.10 / 30 / 50	E07	Eng man 000 000	6934 8103 9368 (913)
6	fri	08.00	E11	Oblique	11116
6	fri	19.30	G06	German lady 00000	5442 4792 inactive?
7	sat	12.30 / 13.30	E06	Eng man 00000	
7	sat	18.00	V08	Eastern music	6647
8	sun	12.30 / 13.30	E06	Eng man 00000	
9	mon	20.00 / 20 / 40	E07	Eng man 000 000	13416 11625 10292 (462)
9	mon	22.45	S04	Edna Sednitzer	3373 3868
10	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	
10	tue	10.30	E11	Oblique	9610
10	tue	12.30	E11	Oblique	9448
10	tue	19.00	S06	Russian man 00000	7917 or search
10	tue	22.45	S04	Edna Sednitzer	3373 3868
11	wed	05.10 / 30 / 50	E07	Eng man 000 000	6934 8103 9368 (913)
11	wed	07.00	S06	Russian man 00000	14580
11	wed	20.00 / 20 / 40	E07	Eng man 000 000	13416 11625 10292 (462)
11	wed	22.45	E18	Five Free	search
12	thu	05.00	S11a	Cherta	4783
12	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	
12	thu	08.00	E11	Oblique	10125
12	thu	10.30	E11	Oblique	9610
12	thu	12.30	E11	Oblique	9448
12	thu	18.30	G06	German lady	6887 or search

				00000	
12	thu	22.45	E18	Five Free	search
13	fri	05.10 / 30 / 50	E07	Eng man 000 000	6934 8103 9368 (913)
13	fri	08.00	E11	Oblique	11116
13	fri	19.30	G06	German lady 00000	5442 4792 inactive?
14	sat	12.30 / 13.30	E06	Eng man 00000	
14	sat	14.00 / 15.00	E06	Eng man 00000	
14	sat	16.00	S06	Russian man 00000	7610
15	sun	12.30 / 13.30	E06	Eng man 00000	
16	mon	20.00 / 20 / 40	E07	Eng man 000 000	13416 11625 10292 (462)
17	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	
17	tue	10.30	E11	Oblique	9610
17	tue	12.30	E11	Oblique	9448
17	tue	19.00	S06	Russian man 00000	7917 or search
18	wed	05.10 / 30 / 50	E07	Eng man 000 000	6934 8103 9368 (913)
18	wed	07.00	S06	Russian man 00000	14580
18	wed	20.00 / 20 / 40	E07	Eng man 000 000	13416 11625 10292 (462)
19	thu	05.00	S11a	Cherta	4783
19	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	
19	thu	08.00	E11	Oblique	10125
19	thu	10.30	E11	Oblique	9610
19	thu	12.30	E11	Oblique	9448
19	thu	18.30	G06	German lady 00000	6887 or search
19	thu	22.00 / 23.00	G22	Edna Sednitzer German	search , last year sept 5119
20	fri	05.10 / 30 / 50	E07	Eng man 000 000	6934 8103 9368 (913)
20	fri	08.00	E11	Oblique	11116
20	fri	19.30	G06	German lady 00000	5442 4792 inactive?
21	sat	12.30 / 13.30	E06	Eng man 00000	
22	sun	12.30 / 13.30	E06	Eng man 00000	
22	sun	13.00	S10E	Czech male	10642
23	mon	13.00	S10E	Czech male	10642
23	mon	20.00 / 20 / 40	E07	Eng man 000 000	13416 11625 10292 (462)
24	tue	06.00 / 20 / 40	V07	Spanish lady 000 000	
24	tue	10.30	E11	Oblique	9610
24	tue	12.30	E11	Oblique	9448

24	tue	13.00	S10E	Czech male	10642
24	tue	19.00	S06	Russian man 00000	7917 or search
25	wed	05.10 / 30 / 50	E07	Eng man 000 000	6934 8103 9368 (913)
25	wed	07.00	S06	Russian man 00000	14580
25	wed	20.00 / 20 / 40	E07	Eng man 000 000	13416 11625 10292 (462)
26	thu	05.00	S11a	Cherta	4783
26	thu	06.00 / 20 / 40	V07	Spanish lady 000 000	
26	thu	08.00	E11	Oblique	10125
26	thu	10.30	E11	Oblique	9610
26	thu	12.30	E11	Oblique	9448
26	thu	18.30	G06	German lady 00000	6887 or search
27	fri	05.10 / 30 / 50	E07	Eng man 000 000	6934 8103 9368 (913)
27	fri	08.00	E11	Oblique	11116
27	fri	19.30	G06	German lady 00000	5442 4792 inactive?
28	sat	12.30 / 13.30	E06	Eng man 00000	
28	sat	14.00 / 15.00	E06	Eng man 00000	
28	sat	16.00	S06	Russian man 00000	7610
29	sun	12.30 / 13.30	E06	Eng man 00000	
30	mon	20.00 / 20 / 40	E07	Eng man 000 000	13416 11625 10292 (462)

©Gert 09/2002 [Tnx Gert].

ODDITIES

Not many reports on 'Oddities' this time around although there are things that definitely go 'buzz in the night' no one is reporting them.

JoA wrote in to give a short mention of his 1T2B [One tone, two buzzes] oddity which has remained NRH. Faithfully monitoring the station JoA shared the results noted in his log for 09/08 [All times Zulu].

1T2B

11116kHz 0634-0639z 09/08 NRH.,

1T2B

11116kHz 09/08 As below:

USB FAINT TONES heard, but unable to detect the buzzes:

2038:10 - 2038:12; 2041:04 - 2041:06; 2044:04 - 2044:14; 2047:04 - 2047:14

2056:04 - 2056:10 (faded); 2059:04 - NRH; 2102:04 - 2 tones - 2102:14

2105:04 - 2 tones - 2105:14

1T2B

11116kHz 16/08 USB:

0759-0812z NRH.
2135:nn-2135:14 V.faint tone.
2138:08-2138:14 " " "
2141:07-2141:14 " " "
2144:06-2144:12 " " "
No buzzes detected.
[Thanks JoA]

BACKWARDS MUSIC STATION (XM)

c6900kHz 0300z 23/07

Of the above signals Dave Payne, Sr of West Virginia writes AM Backwards music very weak, even on the 100+ foot longwire outback. Followed by intelligible numbers. Not sure if the two are related. Frequency is approximate due to my analog readout.

CRACKLE(XC)

Look around 5495//5505kHz as the crackle and Shanwick Air Radio battle for the frequency. [See p25 Issue 11].

JAMMERS

Rob of Essex contacted e2k to mention a jammer he heard on 16176kHz thrashing away on 28/07
These can also be heard with some regularity on: 5320, 5600, 6420, 6880, 7040, 7050, 7070, 8320, 8340, 8515, 9360,10280,10470 and 13410 kHz.

JET (XJT)

This interesting fact was received from Leif via the spooks reflector: 'The XJT file listed at "groups.yahoo.com/group/enigma2000" is in fact a STANAG 4285 PSK modem (2400Bd/8-PSK) used by most NATO naval stations these days for ship to shore and shore to ship broadcast tfc. Traffic is usually encrypted.'

Samples can be heard at the following URL's

http://people.wiesbaden.netsurf.de/~signals/WAV/STANAG4285_BRASS.HTML

<http://people.wiesbaden.netsurf.de/~signals/TABLES/PSK.HTML#STANAG%204285>

For those without access they sound like 'Jet'.

A nice piece of work laying this 'oddy' to rest. Thanks Leif.

NEW PIP XT2

No reports.

S28 [formerly XB]

It buzzes away on 4625kHz still as AF reports:

4625kHz	1918z	08/07
	1923z	20/07

S30 [The Pip]

Continues to dominate 3757kHz in the 80M band.

SLOT-MACHINE (XSL)

XSL is heard on 4233, 4292, 6419, 6445, 6466, 8555, 8589 and 8703.5kHz. USB mode

Still being heard in US, Oceania and like areas. E2k would like to receive details of any observations made in Great Britain, Eire and Europe please.

XSL general transmission times [freqs of 8588.0//8703.5]

Sun	1500z	1600z	1900z
Mon	0900z	1700z	2215z
Tue	1510z	1530z	1600z
Wed	1400z	1500z	1545z
Thu	1600z		

Fri 1450z 1600z 2140z
Sat 1400z 1600z 1700z

From Ary Boender, via 'spooks':
8703.5kHz 1928z 14/07 (AB)

And from Ben Mesander in US:
8588kHz 1500z 11/08 [USB slot machine; still in prog]
1414z 14/08
8703kHz 1500z 11/08 [USB slot machine; still in prog]
1415z 14/08

SQUEAKY WHEEL(XSW)

From Ary Boender, via 'spooks':
3828kHz 2112z 13/07
Heard on 11116kHz 0742z to 0810z almost dominating the E11 sending on that day. [PLondon].

TELEPRINTER 4710

Can be heard on the usual frequencies of 4710, 6702, 9000kHz, 11122kHz [daytimes] and 15020kHz [evenings].
From JoA's log:

4710kHz
14/08 1352-1356, 1414-1415, 1452-1456z S6.
15/08 2005-2008z S7.
16/08 0605-0608, 0625z S6.

6702kHz:
14/08 1356-1357 NRH., 1415-1417 S0.5 Idling., 1456-1457 S0 Idling.
15/08 2008-2010 S0.5 NRH (Buzz).
16/08 0608-0610 S0.5 NRH (Buzz), 0626 NRH.

9000kHz:
14/08 1357-1401 S3/S0.5 QRN., 1417-1418 S0.5/S1, 1457-1501 S0 v.faint,
QRN.
15/08 2010-2012 S1.
16/08 0610-0612 S0 audible, 0627 S0 audible.

11122kHz:
14/08 1401-1405 S0 audible QRN-fading, 1418-1419 S0 audible, 1501-1505
S0.
15/08 2012-2014 S2/S3.
16/08 0612-0614 S0 audible, 0628 S0 audible.

15020kHz:
14/08 1405-1414 S0 audible QRN-fading, 1419-1420 S0 faint.
15/08 2014-2016 NRH-QRM-buzzing.
16/08 0614-0616 NRH, 0629 NRH.
[Tnx JoA]

WOPWOP(XWP)

No reports

More Info on 'oddities' can be found on Brian of Sussex excellent web pages:
<http://dSPACE.dial.pipex.com/brogers/page2.html>

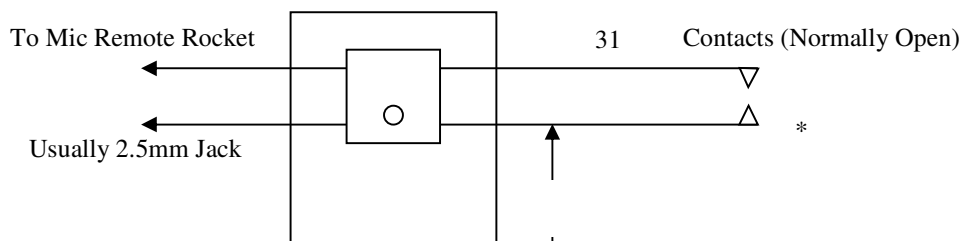
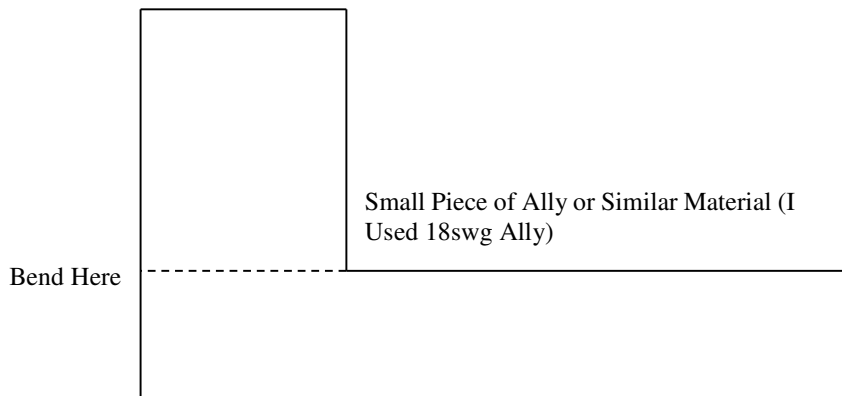
Thanks to AB, AF, AK, ANUER, Anon UK, AnonNI, Anon Scandinavia, AR, BMDartford, D of Kent, 'E', Gert of Holland, HFD, IB, J of Aylesbury, JM, Ben Mesander, JMM, K of Kent, LP, Mike of Kent, Mark Slaten, 'P', Peter of Saffron Walden, R anon, Rob of Essex, selco, US', Spy Numbers Robot, and all others for their contributions to the Morse, Voice and Oddities columns. As ever we acknowledge information from the Spooks site.

BLANK

ENIGMA 2000 ARTICLE

An article with a practical bent this time as DofKent shares the knowledge of his system for extending recording times: To Extend Standard Cassette Recorder Time to Double Cassette Time or Longer using More Machines
By DofKent.

In order to extend recording time, on auto stop recorders, I built a small device to effectively double cassette time [or whatever] using a second recorder. This can be done with very little outlay after a search through your junk box. The diagram below may help the non-technical reader with construction.



Dimensions are peculiar to particular recorders and have not been included here.

(1) Position the switch over the record button, Set the height so that the end of the switch * is slightly below the rest position of the record switch. When the auto-stop engages the record button will rise to the rest position and will push up the switch sufficiently to close the normally open contacts.

I managed to strip the contacts from a relay but a suitable switch can be purchased from Maplins in the form of a micro-switch. [FP42U or FP4SW at £1.49].

Using the device.

Connect the AF signal input to both recorders. Set the Rx freq you wish to monitor/record and position the switch on the first unit. Plug in the 2.5mm jack [usual size] to the remote socket of the second recorder.

Set both recorders to 'record'. On the completion of the first tape the record button rises as the auto-stop operates, switching on the second recorder.

Not totally state of the art in our technological age, but a method that will work efficiently and costs little to manufacture.

©DoKent 08/2002

NEWS & ITEMS of INTEREST

The Northern Ireland Branch of ENIGMA 2000 met on 16/07, for the first time, and had a successful meeting during which various stations, including the polytones were discussed. An interesting fact was made known - S28 on 4625kHz can be heard in NI in the mid -late afternoon, whilst on the mainland we can only pick up early/late evening. Members present have asked to remain anonymous.

SAS teaches US Air Force a lesson.

The use of ground to air communications by the scud hunting SAS during the Gulf War was so useful that US Special Forces have tried to emulate the crack British Regiment in Afghanistan by being 'data-linked' to every form of aircraft over the country. The US Special Forces use back-pack satellite linked laptops and GPS to provide intelligence on friendly troop movements and precise targeting co-ordinates on the others. Apparently the US system has thrown up one fault. Changing batteries in the GPS whilst actually performing target acquisition results in the target grid reference being changed to that of the sender, as one US Sergeant found. Apart from resulting in a battery modification it also attracted an attack from bombers overhead.

Stripping down and cleaning.

The modified SA80-A2 rifles used by the British Marines in Afghanistan have been reported as being affected by yet another malfunction. A lot was made in the press of the rifle as being useless and faulty. Reading later reports it is suggested that if the rifle is actually cleaned to the new maintenance guide it will function correctly. The articles seen suggest the Royal Marines have been cleaning the SA80-A2 to their tried and tested methods, rather than the new

maintenance guide. The 'tried and tested methods' are not defined - are these the same methods used to clean the SLR? If it is they will have difficulty because the SA80 is a totally different weapon. Apparently the weapon needs to be cleaned every 30 mins [Will this lead to a high cost on pull throughs and bottles of oil?] and should be covered in a carrier bag! Colonel Bob Stewart was interviewed on LBC concerning the 5.56mm weapon and stated unequivocally that he did not like or trust the weapon that he stated was unreliable and suffered the occasional blow-back. Even the change to 44 x 44mm wadding has not gone unnoticed. For the Cockney there is no rhyming slang that can be utilised with the metric replacement of the oft used 4 by 2!

Of course there could be an element of lantern swinging by those in Whitehall eager to dispel rumours that there will be yet further costs to get the rifle sorted when better proven weapons could have been purchased 'off the peg'. Wonder if they know the difference between a TMH, working parts and a Fortnum and Mason carrier bag?

Sunday Times of 04/08 carried a short article suggesting that the replacement for the SA80 will be the Belgium FN made Minimi Para and/or the Heckler and Koch MG43. The cost will be £7.5m.

We also learnt, via the press, that equipment used by the Brits in Oman was not up to the rigours of the job. Sand and heat [and there's plenty of it in those regions] ceased mechanical parts and caused the good old boot to melt! Of course Whitehall have sorted this matter out. [?] Ah, for those past days of the wrapped around towel and flip-flops, 58 webbing and a stint on the steps of the British & Colonial stores drinking 'itneen beera' along with cries of 'imshi wallid!' that followed the pleas for 'buksheesh Sahib'.

Just to rub salt in the wound some wag wrote to the Metro [05/08] suggesting that when the British forces have replaced all their equipment [he cited SA80 rifle, Challenger 2 tanks, field radio system] with something that actually works it might like to sell the unwanted stuff to other Forces world wide. Such a sale would be instrumental ensuring that those buying would not be able to get involved in a war: 'If they tried to use them, it could well be that they give up on the whole idea of war out of sheer frustration. What a sad decline for us, the country that invented tanks in the first, and whose infantry firepower was once the envy of Europe'. [" See that man's 1250 corporal, and mark him down for further duties!"].

Another mention was found in a recent Sunday Times News Review section, a reader suggesting that the SA80 rifle must be of such poor quality as it had been used in Afghanistan and had not been stolen by the various Afghan factions for their use. The reader reasoned that was because the firearm was so poor!

Bravo Satellite TV also have a programme called Future Fighting Machines. They did a review of 3 rifles, one South African, One German and of course the SA80. The other two didn't come last in this competitive review, nor did they only achieve 3 points!!!

Incidentally, TMH is 'Trigger Mechanism Housing'. There will be no explanation of the 'working parts', 'four by two', 'pull-throughs', 'Boots, DMS walking 1 pr', 'PULHEEMS' or any other associated terms.

TIPS

The Terrorism Information and Prevention System [TIPS] is a huge informal surveillance network that hope to use circa 11Million US civilians to become informants for "suspicious activity".

With 11Million US civilians participating this closely mirrors the percentage of East German citizens who were informants for the East German Secret Police, the STASI.

The search for volunteers has already started and expects to attract responses from those well positioned to "recognise unusual events and...to report suspicious activity". It is reckoned that those who fit the bill would be lorry drivers, post office workers, train guards, merchant shipmasters and utility supply technicians. Training will be given as well as unspecified 'materials' to enable these TIPS operatives to inform the nearest FBI office.

The programme, if successful, will be co-ordinated by the Federal Emergency Management Agency [FEMA], which already possesses wide reaching security powers.

Apart from these volunteer 'spies' their vehicles will carry a freecall number on a sticker to enable other citizens to call a hotline should they notice anything of interest.

All informant reports will be entered into a database and the subjects of those reports will not be informed of the existence or contents of the reports. The total sought 'informants' hope to represent 4% of the American nation.

The United States have produced a document entitled 'National Strategy for Homeland Security' which outlines in some depth the precautions that the US Govt is actually making available to guard its population. [Full text available: <http://www.whitehouse.gov/homeland/book/index.html>].

If anyone learns of a similar plan from GB Govt to actually protect the population [most unlikely] please inform E2k!

Robot Planes to target terrorism.

Great Britain is to get drones piloted remotely because it has been lobbied by MI6 for a similar facility enjoyed by America. Where will we get these drones from -- have a guess; that's right America with a small and obligatory input from BAE Systems.

It was suggested that the drone force would be based in Llanbedr, Gwynedd Wales allowing it to be flown over Cardigan Bay during training.

British Diplomats 'rapid response' embassies.

' The Foreign Office is planning to enter the world of James Bond diplomacy with "rapid reaction" embassies to be flown to the world's trouble spots', wrote Richard Beeston, Diplomatic Editor of the The Times [17/07]. These 'embassies' will be 20ft containers containing all the necessary equipment to run a self sufficient embassy in inhospitable regions. The need for such a system was outlined when the first British Diplomat to enter the British Embassy in Kabul, Afghanistan was left ill-equipped to perform his job. The Embassy had been empty for more than ten years.

The idea has been borrowed from the military idea of mobile field headquarters.

The containers will include satellite communications, encryption devices, computers and generators.

Furniture can also be sent although Panama has and cases of claret are reserved for the last consignment.

mv Gaul H243

The long running mystery of the trawler Gaul and the sad loss of the 36 crew is again in the news. E2k received a pager message to say that a piece appeared on BBC Radio 4 on the night of 05/08 and in the Daily Express the very next day. June 24 saw the promised Government survey start and continue until late July.

During the survey part of a thigh bone and five other fragments were recovered in different parts of the sunken ship. The son of the First Mate aboard the stricken vessel commented that one bone solves nothing as there were 36 persons aboard and pointed out that this discovery actually raised more questions than it answered. The angle of the prop blades was also measured using ROV's.

The Daily Telegraph 05/08 carried the story of Sheila Doone who was married to the Radio Operator John Doone who apparently died on the Gaul when it sank in 1974. Although the Government has been quick to point out that the Gaul was not involved in spying and sank with all hands who perished as a result. Mr Doone has been mentioned as having been trained at RN Dockyard Chatham as a Naval Wireless Operator in the RNR. It has also been mentioned that Mr Doone was also trained as an intercept operator by GCHQ before the Gaul set sail. Now Mrs Doone wishes to remarry but on application for a licence was told that she must divorce her husband first as no death certificate exists to prove that Mrs Doone is a widow. [She received a widow's pension weekly after the loss of her husband aboard the Gaul]! To make the matter worse Mr Doone is said to have been seen in a waterfront bar in Port Elizabeth in 1978. A Greek registered ship docked in Port Elizabeth apparently had a Radio Operator named John Doone.

A visit to <<http://www.mediaworldnews.co.uk/index.html>> is recommended.

[ENIGMA 2000 ran an article concerning the loss of the Gaul in Issue 1].

Star Wars yet again!

According to a piece seen in the Sunday Times [07/07] the US is going to ask Great Britain if the Royal Navy can use some of its new Type 45's to track ballistic missiles to protect America as part of a global network of early warning /interceptor vessels. They can also be modified to shoot down these missiles too. This deal would bring GB into America's protective umbrella. Britain has already been approached informally concerning the upgrading of the bases at Fylingdales and Menwith Hill in Yorkshire.

With regard to Great Britain remove the word Great and insert Gullible. How soon before our monetary unit becomes the US\$ as we become another state of America?

Revolutionary Warfare Wing boosted.

The Sunday Times has reported that the Revolutionary Warfare Wing of the SAS is to benefit from additional funding

made available by HM Govt in the war against terrorism. Known as the 'Increment' the RWW is sometimes tasked directly by SIS. This funding, we are told, is due to the decision of the US to lift the ban on assassinations by the CIA. The fact that Britain will play a prominent role in the *secret* war on Al-Qaeda has also been mentioned. The article in 21/07 issue mentioned that MI6 is recruiting from the Special Boat Squadron [SBS] and the elite 14th Intelligence Company [Dets?]. Also, MI5 wishes to take on 130 more people too. [Don't rush to apply - you will need to be conversational in Middle Eastern languages, the Sunday Times reminds us]. The article concludes that a further £54m has been made available to MI5, MI6 and to GCHQ. [As far as GCHQ is concerned the money portion they receive will be apportioned to codebreakers and interception specialists]. With all this going on in the name of crushing terrorism John Humphrys' piece in the same issue, 'So, Mr Bush, what's to be gained by attacking Iraq?' really sets the pace. Mr Humphrys refers to the possibility of an attack on Iraq by the US [and anyone else they can rake up to do the job] to suppress terrorism. A picture showing Mr Bush standing, with left arm raised, in shirt and trousers nicely supported by a leather belt with a striking buckle, addressing troops is reminiscent of a certain figure conducting a stir-up at a Nuremberg rally! Mr Humphrys reasonably dissects this sabre rattling from the US; deterrence and mass-destruction, suicide bombers and pre-emption whilst making more than a passing reference to Scott Ritter's thoughts on the actual destruction of Iraq's capacity for producing hideous weapons. There was like mention of the use of nuclear weapons in the 'right conditions' but not from Mr Hussein's arsenal.

John Humphrys finalises the entire matter in his final paragraph, 'But many people will die – including men, women and children whose only crime is to live at the wrong time in the wrong country under the wrong leader. I would hate to be the American president who ordered the attack that led to those deaths – or the British Prime Minister who supported him. So, one final question, Mr President. Are you sure you have thought this through? [We acknowledge use of the article in the Sunday Times, page 15, 21st July 2002].

Millionaire game show winner charged.

An Army Major who won the million pound prize in ITV1's 'Who wants to be a millionaire' was charged with two others, his wife and an academic, with two counts of deception and conspiracy. It was originally reported that one of the defendants coughed to indicate the correct answer a,b,c or d, but now appears to be a little more interesting. A fourth person has also been questioned but Detectives in the case have carried out a lengthy investigation involving mobile phone and pager companies. The possibility of someone communicating with the academic, who was in the audience, by laptop computer during the show has also been considered as a possibility. The academic had been a previous contestant on the show.

Illegal letters sent to E2k [The 4-1-9 experience].

ENIGMA 2000 has received two letters from persons claiming to be involved with big business in Nigeria, one in petroleum, the other with the proceeds of a Will. These letters usually ask the recipient to send his bank details enabling the originator to use that account to 'dispose of excess funding'. The account holder gets to keep a decent percentage of the funds [or so he thinks]. These letters are known as 4-1-9 after the regulation in the Nigerian Penal Code that forbids their use [!!]. The recipient is also told to be discreet and say nothing, even if they do not intend to take up the offer.

The two persons who gave e2k the chance to make excellent profit for no outlay are:

Dr Ibrahim Danji, Chairman, Contract Award & Verification Panel.
ibrahimdanji@lycos.com

Barr. Abdulkarimi A. Brume, of
TEMPLARS LAW FIRM BARRISTERS & SOLICITORS. The Octagon, 564 A.J.Marinho Drive, V.I. Annexe. P.O.Box 66564 Victoria Island
Lagos, Nigeria. E-Mail: templarslawfirm@execs.com

The fallback here is that e2k has no financial standing whatsoever, no bank account, financial reserves, nix! Anyone who has been cheated by this type of criminal activity really deserves to be. The letter says 'SCAM' as you read it. A stranger selecting somebody to become a virtual millionaire for no actual work or outlay is absolute nonsense. As somebody [I don't remember who, but it was probably an American] said, "There is no such thing as a free lunch." Read more at <http://www.snopes2.com/inboxer/scams/nigeria.htm>

EVEN MORE SCAM!

Since the above has been written we have received a third 419 from no other than a Dr Fred Kanu who claims to be a Treasury Officer of Nigeria Telecommunications [NITEL] and this one offers 20% of US\$25million. What a cracker! With all this money rolling about in Nigeria the streets must be paved with gold. This veritable fortune is reckoned to have been accrued "during the past military regimes in Nigeria."

Is Dr Fred Kanu [if that is not his legend] an ENIGMA 2000 member? He certainly ends his letter accordingly: "And always remember that this transaction must be kept top secret. Best regards, DR. FRED KANU"
DR. FRED KANU" <frkanu@omaninfo.com>

Something different from Simon Mason who writes:

While trawling through some old radio shows in my collection, I stumbled across this strange transmission that seems to have sent a 3 figure identifier over the UK's national airwaves. You can read about this here:

<http://www.simonmason.karoo.net/page440.htm>

RELEVANT WEB SITES

<http://www.simonmason.karoo.net/page440.htm>

<http://www.mediaworldnews.co.uk/index.html>

http://people.wiesbaden.netsurf.de/~signals/WAV/STANAG4285_BRASS.HTML

<http://people.wiesbaden.netsurf.de/~signals/TABLES/PSK.HTML#STANAG%204285>

<http://www.whitehouse.gov/homeland/book/index.html>

<http://groups.yahoo.com/group/enigma2000>

<http://www.treas.gov/usss/index.shtml>

<http://www.eyespymag.com>

<http://www.snopes2.com/inboxer/scams/nigeria.htm>

REQUESTS

ENIGMA 2000 would be most interested to hear from anyone who lives or has travelled overseas with their radio to monitor number stations.

Please make your requests or replies via e2k_news@hotmail.com or 076 2627 6417 pager.

STOP PRESS

Andy Bell pse contact E2k

E: Please send revised ABM article –thanks.

LP: Many thanks for your logs.

Menwith Hill pics: Many thanks to 'Male Anon' who sent these in - now up on group. Confirm disk reformatted and disposed of.

CONTRIBUTION DEADLINES FOR 2002 ARE AS FOLLOWS:

Issue 13 Oct 22

Issue 14 Dec 21

Issue 15 Feb 22

Please note that all items intended for publication in the next ENIGMA 2000 newsletter should be received in good time. Please send your articles, news items and requests via the above e-mail address. Please indicate if you wish to be contacted direct.

If you wish to be credited with your article please indicate, otherwise all work will be treated as 'Anon'.

ENIGMA 2000 CAN BE PAGED VIA: 076 2627 6417

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