

DUBUS INFORMATIONEN FÜR UKW AMATEURE

überreichweiten
au von Geräten

Zusammengestellt von der DUBUS Gruppe

INFO: **3/82**

Please send your information about VHF, UHF - Bitte schicken Sie Ihre UKW Informationen an folgende Anschrift:
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BEACON

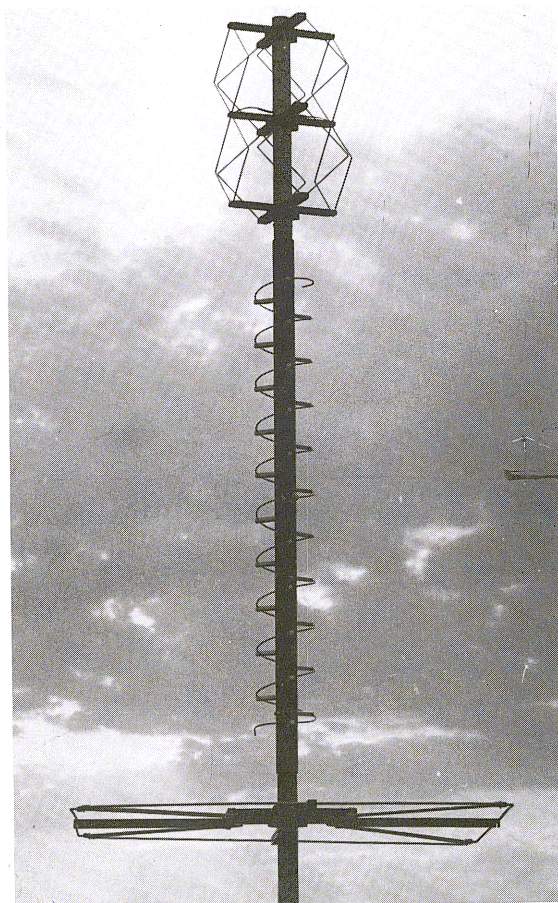
DLØUB

144.850

432.850

1296.850

BERLIN



Private Communication from Radio Amateurs for Radio Amateurs

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LZ	1	AB	Wassil Terziev, P.O.Box 311, SOFIA/BULGARIA
OE	3	LI	Christof Libowitzky, Giannonig. 5, A-MOEDLING
(OH	0	NI)	XYL-Irjallisa Mansnerus, Skillnadsg.37, Mariehamn FINLAND
OK	3	AU	Andrej Oravec, Ul Slobody 31, 04001-Kosice/CZECHOSLOVAKIA
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YU	2	CBM	Radio Club "MARJAN", Smodlakina 2, P.O.Box 155 YU-58001 SPLIT
9H	1	CD	Henry G.Souchet, Davis 29/2, SAN GWUAN, MALTA
5B	4	AZ	N. Kyriazis, P.O.Box 1662, Limassol, CYPRUS

COVERPICTURE: Antenna of DL Ø UB in GM 47 b Photo by DL7QC

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13 cm TRANSVERTER

by Hans-Joachim Senkel, DF 5 QZ

E. + D.:

It consists of five parts, each housed in separate cases:

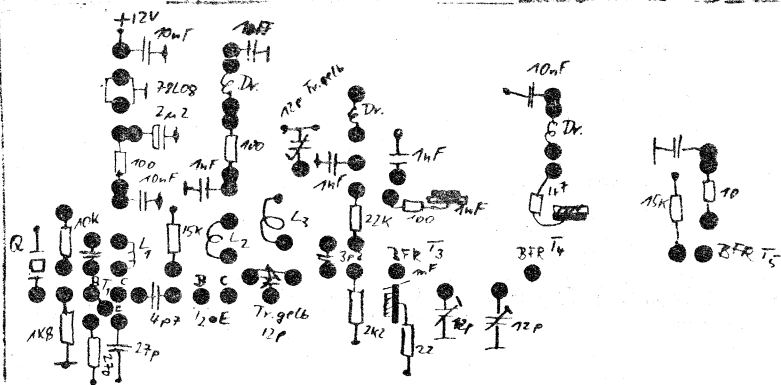
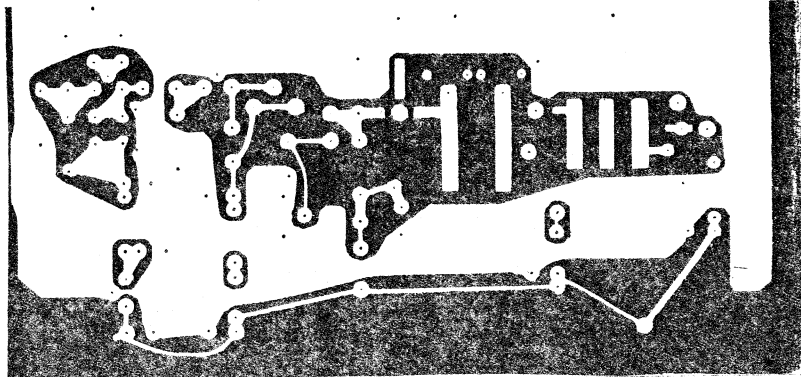
- 1) Oscillator, 2) Tx-mixer and amplifier, 3) amplifier, 4) driver, 5) PA.

Der Transverter besteht aus fünf Bausteinen: 1) Oszillator, 2) Sendemischer und Verstärker, 3) Verstärker, 4) Treiber, 5) PA.

1) Oscillator

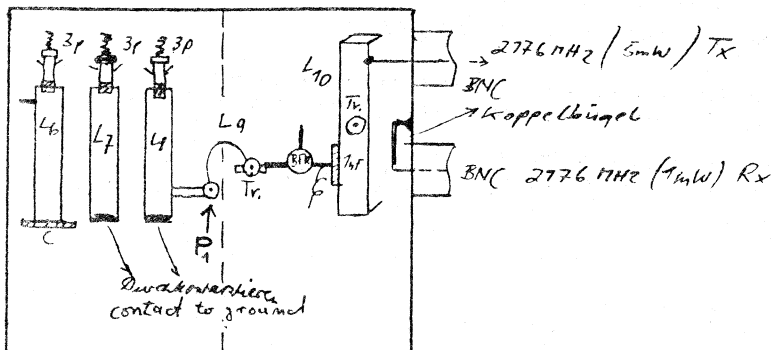
The board must be soldered into a tin plate case (145x70x50 mm). The ground plate must be soldered to the case. The upper side doesn't need a plate.

Die Platine muß in ein Weißblechgehäuse eingelötet werden (145x70x50mm). Der Boden muß mit dem Gehäuse verlötet werden, der Deckel nicht.



The 3pF cap. are on the upper side and are soldered on both sides of the board to ground. The "cold" ends of L5,7,8 are contacted with copper foil to the ground.

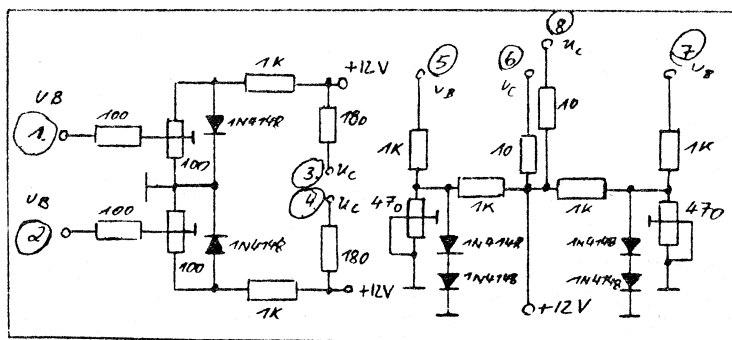
Die 3pF Trimmer sind auf der Leiterbahnseite und müssen beidseitig mit Masse verlötet werden. Die kalten Enden von L5,7,8 werden mit Kupferfolie nach Masse durchkontaktiert.



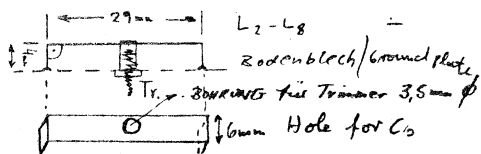
After the Q is on constant frequency the tripler has to be controlled by a frequency counter. The other stages can be tuned to max. output. Nachdem der Quarz eingerset ist muß der Verdreifacher mit einem Zähler abgeglichen werden. Die anderen Stufen können nach max. output abgeglichen werden.

2) Tx-mixer and amplifier

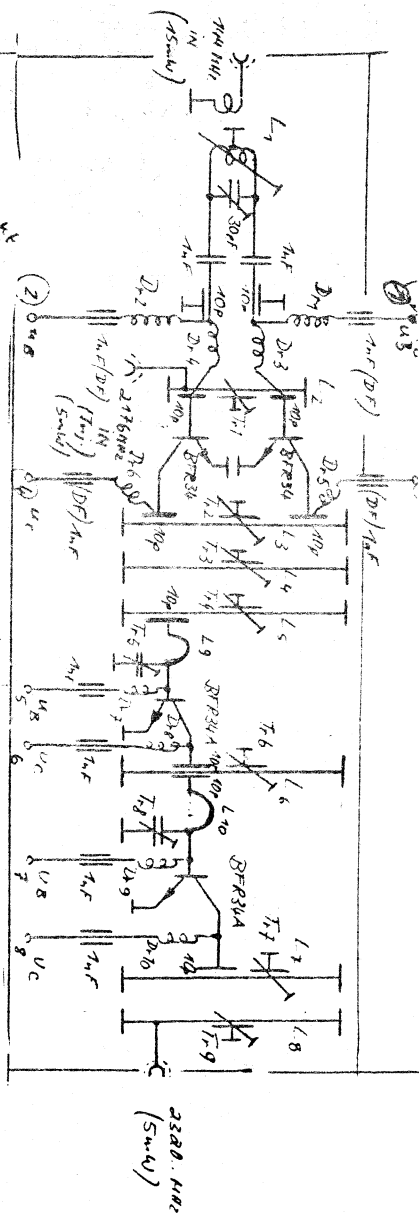
The Tx-mixer is in a tin plate case, too (110x55x30). The DC is out of the case on a board. Quiescent current is about 10 mA. 144 MHz x 16 is also in the band, so the best way is a spectrum analyser. Der Sendemischer ist in einem Weißblechgehäuse (110x55x30). Die Ruhestromeinstellung ist auf einer Platine außerhalb. Der Ruhestrom sollte bei ca. 10 mA liegen. 144 MHz x 16 ist auch im Band, deswegen sollte man den Endabgleich evtl. an einem Spektrumanalyser durchführen.



Skizze zur Einstellung der Ruhestrome, auf Verordnungen
DC board für TX-mixer



TX - MIXER



L1 = 5Wdg. auf 5mm $\varnothing$ Körper 1mm CuAg mit UKW Kern Ankopplung 2Wdg.
 Cul. 1mm $\varnothing$
 L2-8 = Messingstreifen 35mm lang 6mm breit an den Enden 4mm 90°
 abgewinkelt Dr.1-2 = $\lambda/4$ Drossel für 2m = 50cm Draht
 Dr. 3-10 = 2 Wdg. Cul. auf 2,5 mm $\varnothing$ Dorn
 Tr.1-9 = 0,5-3pF Spindeltrimmer Transistoren BFR 34 A
 L9/10 = Drahtbügel 1mm CuAg über 6mm Dorn
 Durchführungskondensatoren 1nF, Koppelkondensatoren 3-10pF Scheiben
 L1 = 5 turns on 5mm diam. coil with VHF ferrit, coupling = 2 turns
 Cul. 1mm diam. L2-8 = brass strip 35mm long 6mm width at both
 ends 4mm bent down 90° Dr1/2 = $\lambda/4$ for 2m = 50 cm wire
 Dr.3-10 = 2 turns Cul. 2.5mm diam. Tr. 1-9 = 0.5-3pF tubular trim. cap.
 L9/10 = coupling loop 1mm CuAg 6mm diam. Transistor s BFR 34 A
 feedthrough cap. 1nF, coupling cap. 3-10pF disc

3) amplifier

The amplifier works with two BFR 34 A and is also in a tin plate case (70x55x30). DC is like mixer circuit.

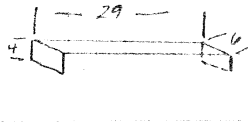
Der Verstärker arbeitet mit 2 BFR 34 A, und er ist auch in einem Weißblechgehäuse untergebracht. Die Vorspannungserzeugung ist genauso wie beim Mischer.

L1/3/4/6/7 = Messingstreifen 6mm breit 35mm lang an den Enden 4mm abgewinkelt 90°

L1/3/4/6/7 = brass strip 35mm long 6mm width at the ends 4mm bent down 90°

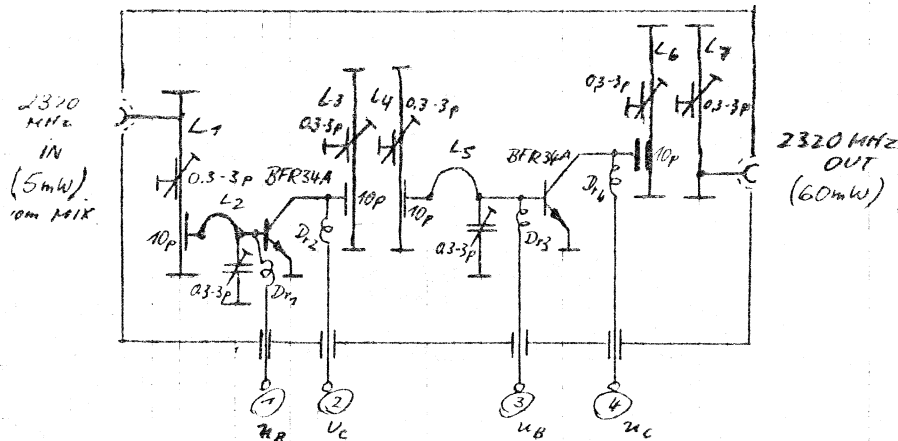
L2/5 = Drahtbügel 1mm CuAg 3,5mm gebogen Höhe 8mm.

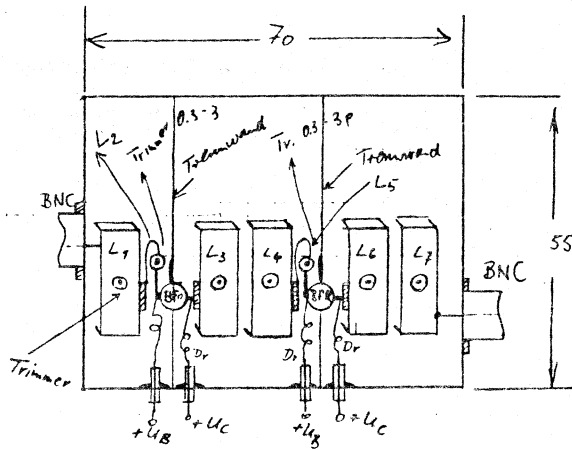
L2/5 = Loop 1mm CuAg 3.5mm bent high 8mm.



Important is only, that the basis has to soldered to the trim cap. so short as possible.

Zu beachten ist nur, daß die Basis der Transistoren so kurz wie möglich an den Trimmer angelötet wird.



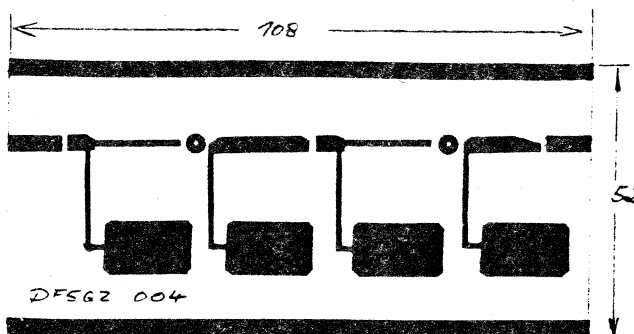


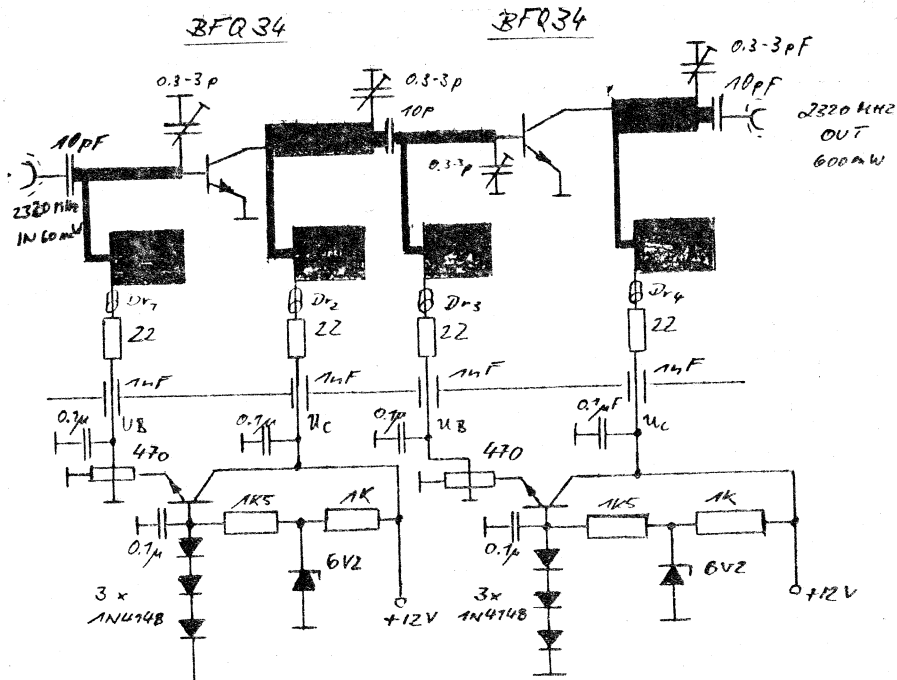
4) Driver

The tin plate box is 30mm high. Dc is out of the box. The contact from the BFQ 34 to ground plate is good enough to cool. The quiescent current is about 140mA.

Das Weißblechgehäuse ist 30mm hoch. Bei Vorspannungsaufbereitung ist auch außerhalb. Das Bodenblech reicht zur Kühlung der BFQ 34 aus. Der Ruhestrom wird auf 140mA eingestellt.

The collector and basis strips of the BFQ 34 has to be reduced to the size of copper on the board. Dr1-4 = ferrite bead. Die Kollektor und Basisfahnen soweit schrägen bis sie auf den Leiterbahnen deckungsgleich aufliegen. Dr.1-4 = Ferritperle





5) Power amplifier

DC is the same as at the driver, also 140mA quiescent current. The hole for the BFQ 34 must be big enough, that collector and basis don't get ground.

Die Vorspannungserzeugung ist genauso wie beim Treiber. Auch 140mA Ruhestrom. Das Loch im Weißblechgehäuse für den BFQ 34 muß groß genug sein, damit Basis und Kollektor nicht an Masse kommen.

Dr.1 = 1mm CuAg wire 10mm long Dr.3 = same but 2mm CuAg

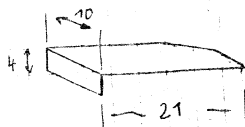
Dr.2/4 = ferrite bead L1 = Brass strip 15x6mm

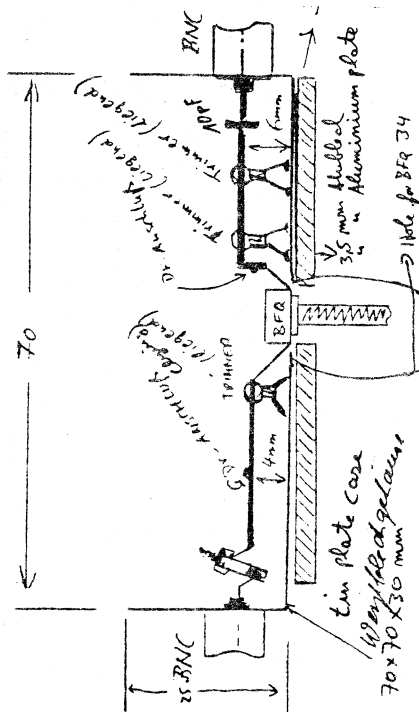
L2 = brass strip 25x10mm at coll. end bent down 4mm, at the other end sloping.

Dr.1 = 1mm CuAg Draht 10mm lang Dr.3 = genauso aber 2mm CuAg

Dr.2/4 = Ferritperle L1 = Messingstreifen 15x6mm

L2 = Messingstreifen 25x10mm, abgeschrägt, 4mm am Kollektorende abwinkeln.





D. :Dieser 2,3 GHz Verstärker arbeitet mit dem Transistor ZL 15 a von CTC. Er liefert 1,5 W Ausgangsleistung bei 1db Kompression = 33db IM 3 Abstand. Bei $U_p = 12V$ beträgt die Leistungsverstärkung $V_p = 5,5db$ und bei 18V $V_p = 6,5db$.

Der Verstärker ist auf einer 1,6mm starken RT-Duroid 5870 Leiterplatte aufgebaut, die zur Kühlung des Transistors und zur mechanischen Verstärkung auf der Rückseite mit einer 0,5mm starken Ms-Platte verlötet ist. Die Platine wird dann in ein 30mm hohes Ms-Gehäuse eingelötet. Beim Transistortyp ZL 15 a ist der Gewindebolzen der Emitteranschluß. Der Transistor wird so in die Platine eingepaßt, daß Basis und Kollektoranschluß eben auf der Leiterplatte aufliegen (siehe Bild 4).

Der Transistor hat $P_{tot} = 7 W$ und arbeitet im A Betrieb mit konstant $I_c = 250mA$ bei $U_{ce\ max} = 18 V$. Um den Kollektorstrom konstant zu halten wird der Transistor mit einer Arbeitspunktstabilisierung nach Bild 3 betrieben. Die Schaltung vor Anschluß an den Transistor testen! Bild 1+2 zeigen die Schaltung und das Layout. (70x90). Ein zusätzliches Kühlblech ist nicht erforderlich in der Regel. Die Eingangs- und Ausgangsimpedanzen sind 50Ω.
 $C_1 = C_3 = 30pF$ (Trapez) $c_2 = 0,5-4,5pF$ Gigatrim o.ä. Glasrohrtrimmer (siehe auch engl. Text)

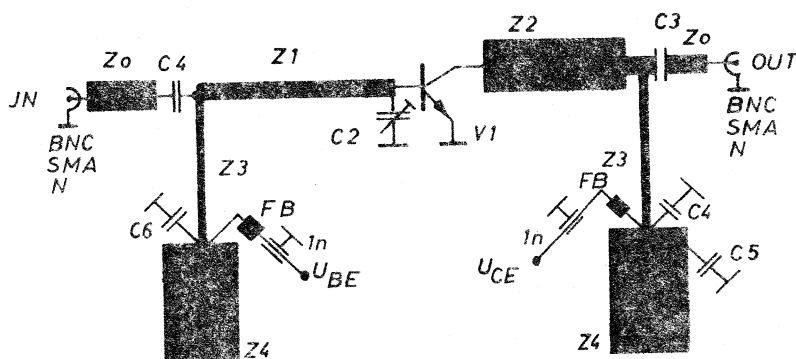
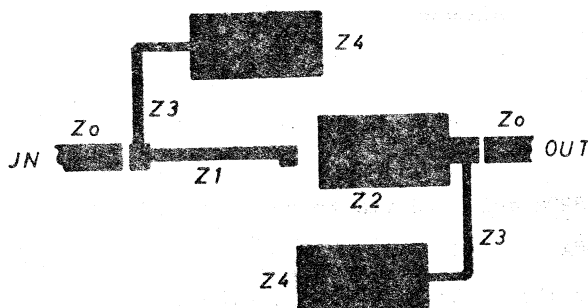


fig. 1 circuit of the amplifier
Bild 1 Schaltung des Verstärkers



Layout M1:1

fig. 2 RT Duroid 5870 1.6mm copper both sides
Bild 2 " " " " doppelt kaschiert

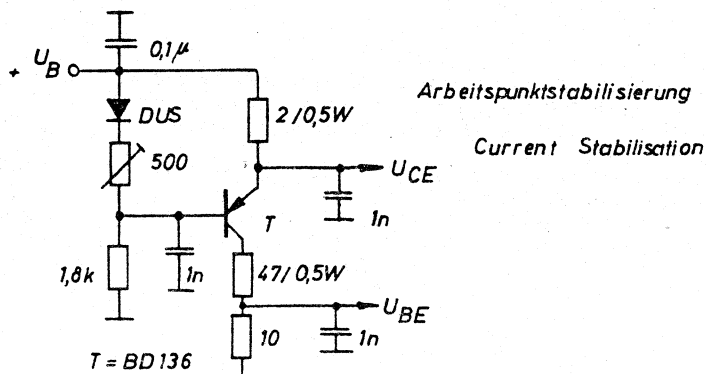


fig 3 current stabilization
Bild 3 Stromstabilisierung

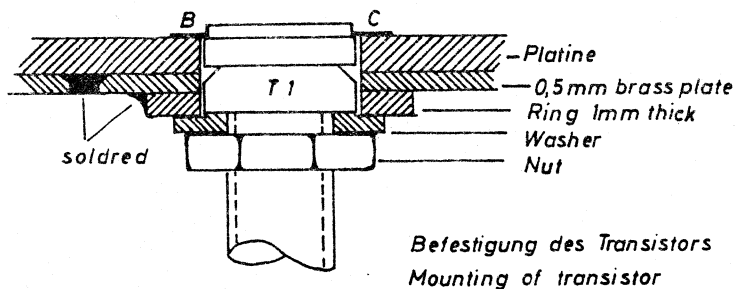


fig 4 mounting of transistor
Bild 4 Einbau des Transistors

cont. from page 175

DG 4 GAN (EI76a) 820m asl. wkd via tropo on 1296 MHz

10.5.82 1045 DKØNA 57 52 FK 68b

Rig: 1,4 m dish +DL7QY feed horn -10W out
skeds call 07573 - 504

24 GHz Erstverbindung DL - LX

Nach mehreren vorausgegangenen Tests auf 24 GHz fand am 19.7.82 um 1230 UTC die Erstverbindung zwischen Deutschland und Luxemburg statt.

Nach längerer Anfahrt fand sich auf der Luxemburgischen Seite in DJ 23h ,Günter- DB8FP/LX und auf deutscher Seite in DJ23 c Harald DC8UG/p ein. Die Stationen bestanden aus einem 24 GHz Microwave Transceiver 5 mW HF, 27dB Hornantenne bei DB8FP/LX und einem 24GHz Microwave Oszillator mit angeflanschem home made DBM und 20 dB Hornantenne bei DC8UG. Auf beiden Seiten wurde eine ZF von 30 MHz benutzt. Die Entfernung betrug 7 km; ausgetauschte Rapporte beidseitig 59+ .

tnx Günter

DC 8 UG (DK58a) wkd on 2,3 GHz via tropo

27.6.82 1910 UTC DJ9PC DI80f 51 51 ssb ODX 260 km

and on 3,56 GHz from DK68c

7.3. /4.7.82 DC6TV DK16g 54 53 ssb

28.6./4.7.82 DB3UU EJ34f 53 52 " ODX 105 km

4.7.82 DC7FX DK27h 53 53 "

and on 24 GHz from DK68c

28.6./4.7.82 DB8FP/p DK70d 55 55 2x FM ODX 23 km

tnx Harald

DK 5 AI (FL33b) wkd on 1296 MHz via tropo

10.7.82 DI4EA DL, 22.7.82 G4KGC ZM, PE1CKK CM, DD2EK DL

tnx Wolfgang

G 3 PBV (YK32b) wkd on 1296 MHz via tropo

7.782 HB9 AMH/p DH66c 59 53 qrb 874 km with only
3 Watts ssb to a 15 over 15 J-beam , Ne645 preamp.

tnx Dave

OE 9XXI/9 (EH39c) 95o asl. wkd on 2320 MHz via tropo

1+2.5.82	DJ3EN/A	EH11h	59	59
	DJ5AP/p	EH11h	59	59
3+.4.7.82	DL9GU	EJ33a	53	53
	DB3UU	EJ34f	54	54
	DKØNA	FK58b	56	55
	DJ9PC	DI8of	51	51
	DJ5AP/p	EI75a	53	54
	DL7QY	FJ61c	48	57
	DK4GD/p	EI74b	59	59

OE 9 PMJ (EH49a) wkd on 5760 MHz via tropo

first OE - HB on 6 cm (FM)

17.6.82 HB 9AJF/p EH57d (säntis) 59+ 59+ FM

Rig: HB9AJF/p 96 - 384 -5760 MHz -7mW
zirkulator- 1N23f -3oMHz
Parabol 34dB

OE9PMJ 45 - 18o - 720 - 144o-5760 MHz 10mW
Koaxrel. MA40071E -144MHz
= 30 MHz rx -TX -shift
Parabol 1mØ ca.3o dBi

tnx Peter

I 4 XCC will be qrv on 1296 MHz with the call I4MJQ/6
from GD13a in the october -contest.

Rig: Transverter + 2x2C39 (50w) - 2 m dish
Preamp MGF1412

tnx Claudio

G 4 LRT (ZM45d) wkd on 1296 MHz via tropo

10.7.82 G3HHD Zo, 12.7.82 SK6UHG FR hrd
13.7.82 G4KKF ZO, G8PNN ZP, G4KUX/p YO, G8PWX ZP,
22.7.82 DJ8XO FN, DF9LN FO,
29.7.82 SK6UHG FR hrd.
SK6AB FR, OZ1HDA ER, SM6HYG FS !!

DC 7 OH (GM37c) wkd on 1296 MHz via tropo

8.7.82	DL7QY FJ,	31.7.82	PE1DFX DM,	1.8.82	SM7CFF HQ
14.8.82	OZ3ZW/p GO,	12.9.82	DK5QI EL,		DF6VW EM
13.9.82	G3AUS YK, 1197km	PAØCKK CM,		-	PEØDSV DM
	PE1DCD CL.				

Sked call O3O-491 7417 16oo-22ooMEZ

tnx klaus-Dieter

G 4 LRT (ZM45d) wkd on 2320 MHz via tropo

25.4.82	G8ADC/p	ZL,	G3FYX/p	YL	
1.5.82	G4ARD/p	ZL	G8LMW/p	AN,	G3WDG ZM
29.7.82	SM6HYG	FS58f		grb	1022 km !!!!!

May be record distance??

tnx Steve

DB 6 BX (DM46c) wkd on 1296 MHz via tropo

9.5.82	1300	PA0RDY/LX/p	52	53	CJ10d	grb	298	km
13.5.82	2233	G4FXW	59+	59+	ZN54b		589	"
	2318	G8VRJ	59+	59+	ZN57j		552	"
	2315	G4KCT	56	58	ZN05c		589	"
	2320	G8SFI	56	58	ZN05c		"	"
	2335	G8VVD	59+	59+	ZN27d		555	"
16.5.82	2210	DL7QY	53	53	FJ61e		430	"
7.6.82	1940	LA8AE	51	51	FT72h		799	"
	2130	SM6HYG	56	56	FS58f		733	"
	2245	SM6GWA	56	56	FS57j		734	"
	2300	OZ1FEF	55	56	EQ25c		510	"
	2305	DK2UO/CZ			EQ02c	59+59+	529	"
	2350	LA3FV	54	55	FT71b		797	"
8.6.82	0515	OZ9NY	55	55	GP22c		519	"
	0522	OZ7IS	53	53	GP22c		519	"
196.82	1902	DK8WA	51	53	DJ53a		351	"
	1903	DK8VR/A			DJ26a	51 53	305	"
	1925	DL0OI/p			DJ56a	51 53	349	"
	1928	DB1VY/p			DJ26a	51 53		
3.7.82	2255	DK00X	51	52	EI13j			
8.7.82	2355	G4LRT	51	52	ZM45d			
	2240	G4FXW	53	52	ZN45b			
21.7.82	1855	G8Pnn	52	52	ZP52d			
	2015	OZ1FEF	58	58	EQ15c			
	2235	OZ7LX	529	539	FP49c			
31.7.82	2230	OZ7LX	529	519				

tnx Peter

LA 8AK (DS80b) wkd on 1296 MHz via tropo

7.6.82	2312	DF3XU	55	55	FN31a,	2318	DF5LQ	529	519	EO50j
	2325	DG4BB	56	57	EN76j,	2340	DC4BK	42	51	EN75
8.6.82	0040	DK3UC	559	559	FN14a,					
12.7.82	2020	G3LTF	539	319	AL11d,	2050	G3LQR	528	519	AM67b
	2255	G3TDG	559	559	AL51g,	2320	G8BIS	55	55	AL43f
	2325	G3JXN	55	52	ZL39e,		-900Km !!!			
28.7.82	2325	PA0WWM	519	519	CM63g,	2330	PA0FRE	59	56	CI03j
30.7.82	1615	G8VLL	56	52	AM27f,	2110	PE1CKK	52	41	CM66a
	2115	PA0EZ	56	52	CM66a,	2118	PA0RYS	56	57	CM34e
	2125	PE1ALA	55	59	CM44e,	2135	PA3AGS	55	58	CM24d
	2300	PA0TAB	56	57	DN64h,					
3.8.82	2215	G4KCT	56	56	ZN05c,	2230	G4COH	549	519	ZN48h
	2246	G4KIY	56	58	ZM40j					

tnx Jan-Martin

TROPO NEWS

2m: >500 km
70cm: >300 km by DL7ACG

2m 2m 2m 2m 2m 2m 2m 2m 2m 2m

C31YQ (AC) (DL2ZAG, DG8FP, DL3ZAN, DK3CM) wkd 900 km:

4U1ITU EI,EJ,ZK,ZL,ZM,YJ,YK,YL,YM,AK,AL,AM,KE,HJ,JE

tnx fer info

DDYHR (FN21f) wkd:

12.5.		13.5.-14.5.	7.6.	7.7.		G8NCP	YK
G8BZX	YQ	54xG,GM,GW	LA1EKO	BQ	F5GLH	ZI	G8WB0/p
GM4NHI	YR	aus ZN,ZO	DC2EU/OY	WW	F9SV	YI	9.7.
G6CGY	ZO	AM,AN,YM,ZM	LA6VBA	ES	F6DKW	BI	OK2KZ/p
G8VGM/p	ZO	XN,ZP,YQ,YN	LA8EW	DS	9.7.		10.7.
G8AZA	ZO	G4GFX YM	LA2SN	ES	F6FHP/p	CE	HG1KYY
G6EWD	ZP	GW8YUJ XN	LA7SL	ET	F6S6J	CG	HG2SU/p
GM8MBP	YR	6.6.	SM6HDY	FS	G8RZP	AL	11.7.
G8VWG	ZP	F6BRZ BJ	LA9DI	FT	G6HGX	AL	OH1ZAA
GM8MHU	YR	F18BD BJ	8.6.-10.6.		F1FHI	ZH	12.7.
GM5DTB/A	YR	F1EUS/p CI	31xG,GM,		G6SEFB	YJ	GM6JWR
G8TQL	ZP		YQ,YP,ZN,YR,		G4DEZ	AL	
			AM,AL,ZL,ZM				

tnx fer info

DDYHZ (FN21f) wkd:

2.5.		13.5.	G8VIK	AM	1.6.	SM6CMU	FR
H89MED/p	EH	LA3BAA DS	G8TZP	ZN	LA9DI	FT	SM5MIX
10.5.		G8XXI ZN	G8LTG	ZN	3.6.		SM6NQE
F70RDY/	CJ	G4NVD ZN	G4AHH	ZM	F1FDL/p	DI	LA9DI
LX/p		G8ZVF ZN	G5MWN	ZN	DC9E00Y	WW	G4MXI
12.5.		G6SZJ ZN	G4MQK	AM	OY5A	WW	9.7.
GM5OEG	YQ	G4LOP AN	G8DOQ	ZN	OY9R	WW	DF9RJ
G8VGM/p	ZO	G4KTP ZO	G4MGO	ZO	7.6.		LA7AJ
G6EWD	ZP	G4JHM ZN	G3UNU	ZM	LA1EKO	BQ	11.7.
G8VWG	ZP	G6CGX AM	G4DHF	ZM	LA6VBA	ES	OH1ZAA
G8VJC	ZO	G6HSK ZN	G4MJN	ZM	LA7SL	ET	SM6FZD
G4ANT	AM	G6EBH ZN	14.5.		DC2EU0Y	WW	12.7.
GM8YPI/p	YP	G3UHH ZN	G3ZMZ	ZO	LA2SN	ES	F1DSX
G8AZA	ZO	G4CFF AM	G8UZM/p	ZO	SM6HDY	FS	LX1JA
G6CHB	ZO	G6ERY ZN	G4LOP	AN	9.5.		F18BD
GM8MBP	YR	G6GZS AN	G6ECZ	AM	SM6NJC	GR	GM6JWR
GM3XOQ/A	ZT	G4KMH ZN	G8DKV	ZM			
GM5DTBA	YR		G8VGM/p	ZO			

tnx fer info

DF8AE (EM73e) wkd:

13.5. OZ1CVP ER
G4ERG ZN LA3UL FT
G6BBC ZN SM6CQM FR
14.5. 8.7.
G3BRA YP F6FLB AK
G3PWN ZO G8ECI AN
GM80EG YQ G8AZA ZO
7.6. G4MEJ ZM
LA9CM FT G3YVR ZL
LA7AJ FT GW4GSS YN

9.7. SM6AFH GQ
SM6CMU FR
SM6GUS GR
SM6KJW/6 GR
SM6NFV/6 GR
LA6VBA ES
LA4TE FT
OZ1BYJ ER

19.7. G4HIX ZO
G16DWP/p XO OZ6FH ER
G4HDS ZO DD3OL/
G3JFO ZN SM7 GQ
G3PWN ZO G4JKW ZN
G16DRK/p WO G4JJB ZO
G4KLX ZN G3KWW ZM
21.7. GM4LYQ YQ

tnx fer info, Rüdiger

DF9PY/p (DK64b) wkd:

4.5. 1.6. OZ1GRS EP
SM7CMV GP OE5BIL/5 GI
OZ5TG EP OZ1DJJ GP
OZ1KLB/A FP

10.6. G8XBB ZM

4.7. GW4ERP/p YN
IV3HWT/3 GG GW4LIP/p YN
G4APA/p AN OK1KKH/p HJ

DF9PY (DK65g) wkd:

23.5. G8ZHP ZM G4LIP/p AN 5.6. F1GGS/p BF tnx fer info, Stefan

OG4NAE (EJ06a) wkd:

9.5. IV3HWT GF
I2FAK EF 11.5.
I1VBI EF IW1ARB EE
YU3UTD GF

17.5. I1KTC EF
YU2CEE GF
23.5. IV3HWT GF

IW2BHT/p EE
I2FAK EF 6.6.
I4LMI FE F1GGS/p BF
I1BEP DE IW2BHT/p EE

tnx fer info, Udo

OK5AI (FL33b) wkd:

14.7. OK2BAZ II
YU3ZV HG G4ODP ZO
YU3DBC IG G4DHF ZM
OK2TU IJ G4KWQ YM
17.7. G04GNH XO
20.7.
OK2KJW/p IJ OK2KZR/p IJ
OK2JK/p IJ OK3CQF II
19.7. OK2BLE/p JJ
G3WZT ZK OK2BQR JJ
HG5KF/1 IH YU1AWW KE
HG7PR JH OK3CNW II
OK2WEE JJ
OK2BLE/p JJ 21.7.
OK3TJK II G4L9L ZO
OK25TK JJ G8VWG ZP
OE6WIG HG GM80EG YQ
OL6BAB/p IJ GM3RKO YQ
OK2BFH JJ G8SAV ZN
OK2BPB/p IK LA8DY OS

G2FT AN
G8SFM YL
G8SMQ AM
22.7. GW4LOO YL
G4JKW ZN
G3ETU YN
G4GUI ZN
GW4GSS YN
G6CHL YN
GW6ISK YN
G8WXF ZM
23.7. OK2DW/p IJ
OL6BCE IJ
OK2SGY/p IJ
YU3ES GF
7.8. HG5KEB/p JH

HG5KDX/p JH
HG7KSV/p JH
OK2KZR/p IJ
OK2TT/p IJ
OK3KPV/p JI
HG2KRP/p IH
HG6NP/2 IH
RK5DX LI
OK7MM/p JI
OK3KMY/p II
8.8. HG9KOB/p KI
OK5UHF/p II
OK2KYJ/p IJ
OK2KFM/p JJ
HG2KME/p JH
OK2KFM/p JJ
OK2KCE/p IJ
OK3KPV/p II
HG8KCP IH
HG1KSA/p IH
HG1W/p IH
HG1Z/p IG
LA9GX FT
YU3TTL HG
10.8. F6CJG/p BF
12.8. HG5KF/1 IH
OK3KNO JI
OK3TBY II
OK3KCM JI
HG5A JH

tnx fer info

1.5.	IW4AOT	FE	21.5.	G4DEZ/A	AL	I1KTC	EF		
OK5LA	EO	18.5.	G3MOU	AL	G6EKR/p	AL	IW2BHT/2	EE	
2.5.	OE3CEW	II	22.5.	G3EFX/p	ZK	DL4MI	FE		
OE3LFA	II	I1VBI	EF	G4MDZ	AL	23.5.	6.6.		
9.5.	I2AY	EF	G4BWG/A	AL	G6HH/p	AK	F1GGS/p	BF	
I2FAK	EF	I4PWL/4	FE	G3ZIG/p	AM	G8RZO	AL	11.6.	
11.5.	19.5.	G4LIR/p	AN	G8HRC/p	AL	G3URC	AL	0210F	EQ
I2FAK	EF	I4PWL/4	FE	G8RZP	AL	G3URC	AL	16.5.	
15.5.	I4AOT	FE	G3WQK/p	AK	G8ZHP	ZM	DL2LAH	EO	
DL5LAH	EO	G4MRS/p	AM	I1BEP	OE				

tnx fer info, Christian

12.5.		DC7MH	GM	DC7MH	GM	DL7XF	GM	Y79YL	GL
OZ1HOP	EQ	8.6.		DL7AFB	GM	DB200	FM	DK3FW	EM
OZ1CFO	ER	Y38ZA	HN	DD6EV	GM	10.6.		DL7AFB	GM
OZ1GCT	HP	Y23BD	GM	DKØTU	GM	Y22QG	FM	DC6ZZ	FM
SM7DVR		Y22SA	GN	DL7ZM	GM	Y23BD		DL7RF	GM
SM7EYW	GP	Y23SB	FN	DL7ACF	GM	Y45ZH/A	FL		
SM7DEZ		Y23SD		DC7UT	GM				

tnx fer info. Mike

20.5.	DK1KW	EJ	Y22SA	GN	Iw1AHH	hrd	EA1KV	VC
F1FIM/p DI	DG5FAF	EK	Y38WA	HN	4U1ITU	hrd	EA1YYV	VC
6.7.	<u>21.7.-22.7.</u>		DK5AN/OZ	EG	<u>7.8.</u>		EA1APY	VC
EATADD	DD0HR	FN	Y23BD	GM	ED1RCF	WD	<u>10.8.</u>	
7.7.	DD0HZ	FN	DLSB2L	EM	EA1RCA	WD	C3IRY	AC
H8SMY	DG	DF6LO	FO					

tnx for info, Dave

<u>7.7.</u>	DL3MBG	GI	DL1MAX	FI	<u>8.7.</u>	DB50E	FL
DE2CAL	GH	DB5SH	EI	DE9NHI	EH	IW1AHH	DF
DJ8QP	GH	DF7RG/p	GI			FSKAW/EA6	CZ
					DF7EV	GI	C3IYO
							AC

tax for info

3.8.		ON1BJR	BL	ON5KO	BK	PA3CGN	DM	PE1E2S	CM
PA3CBE	CM	PA2JSL	CM	PE1IMD	CN	PE1IYY	CM	DBXKH/p	EO
PA3CAP	CM	PA3BRI	DN	PE1EBJ	CL	ON6AT	BL	PE1IGU	CM
PA3BAG	CL	PE1BBA	CL	ON4YZ	CK	4.8.		PA3CJF	CM
G3ZSS/PA	CM	PE1IEA	CM	ON7ZI	BK	G5E2I/PA	CM	PA000M	ON
PA0PLY	CM	PA2JAF	CM	G4IYA	AL	PA0CSL	CM	PA3AVL	CM
PE1FJE	CM	ON7R2	BL	ON7EH	CK	PE1HGX/A	CL	DK2ZF	DN
PA0RDY	CM	PE1ARC	CL	G4DCV	AL	PE1HSL	CM	PE1FCO	CM
PE0WGA	CM	G4DEZ	AL	PE1AAP	CM	PA3CED	CL	PE1DOA	CM
PE19TX	CN	PE1CGH	CM	PE1HXE	CM	PE1HVT	CL	DL0RR	hid
PA3AVH	CM	PA3BPC	CM	PA0CPO	DM	PE1FXW/m	CM	4.8.	
PE1CZQ	CM	PE1FOS	CL	PE1INX	CM	PA3ABY	CL	G6FBK	ZL
ONSUM/A	BL	PE1FIG	CM						

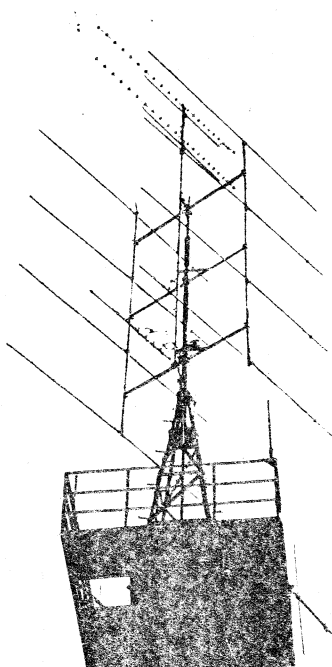
tax per info

GM5EHK/p (ZR42h) wk'd > 600 km:

4.8.	PE1HAJ	CL	PE1CNQ	CN	DJ9CZ	DL	14.8.
0Z1DL	EP	PA3CZZ	CL	PE1IMD	CN	5.8.	G8JVM ZL
0Z1BCC	EP	PA3BKM	CL	PE1FMU	CM	G4ASR	YM
0Z6KH	EP	PE1FBB	CM	PA08LD	CM	GW3NYY	XL
0Z1FEF	EQ	PA3CAP	CM	PE1HQD	DN	G3SUA	YL
0Z4VV	EQ	PA3BAY	CM	PE1HXC	CM	G4NQC	ZL
0Z9PW	EQ	G3ZSS/PA	CM	PE0EMC	CL	6.8.	G8MXP YL
0Z1FMB	EP	PA3CBE	CM	PE1FJE	CM	PA0HIP	CL
PE1BBA	CL	PA3AIZ	CM	G4BAH	AM	8.8.	G8YPA YL
PE1EVI	CM	PA0UWM	CM	PA3AQN	CM	0Z10F	EQ
PE1DTU	CN	PE1CMO	CM	PA0RDY	CM		

tnx fer info

HG1YA (IH63b) wk'd:



8.5.	PA0RDY/LX	CJ	11.7.	F18BS/p	DI
	PA2VST/LX	OJ	12.8.		
	ED3UV0	BB		PE1BTX	CN
23.5.				PA000M	DN
Y07VS	LE			DG1BP	DN
30.5.				PA0XMA	DM
I4BXN/IN	FG			PE1GHV	DM
27.6.				DL3YBP	EM
LZ2KBI/p	LD			PA3CGR	
Y05DS/p	LH			PE1CJW	DM
LZ1KKA/p	LC			PA2GFL	DN
LZ1WL/p	LC			DF3BL	DM
LZ1LW/p	LC			PA3AJG	
LZ1WY/p	LC			PA0KDV	DN
Y07DL	LE			PA0JMH	CN
LZ2FR/p	LD			PA000M	DN
LZ2XU	MD			DG8NAQ	FJ
30.6.				PE1HXD	DN
DL0SP/HBO	EH			G4ASR	YM
1.7.				GW6APZ	XM
I1MFS	ED			IW7AIC	IB
8.7.				I7JYE	IB
F6KAW/EA6	CZ				
10.7.					
OZ9SL	FP				
F6KAW/EA6	CZ				
F6KAW/EAC	BA				

tnx fer info, Gabi

PA2CHR wk'd > 700 km:

12.5.	GM8YRU	YR	3.7.	GU6EFB	YJ	F18PK	AD
SM7DLZ	IQ	OY9	JO	WW	PA3AXY/OE3	HH	F1AHR
13.5.	GM8MBP	YR	8.7.	F6FHP/p	CE	GU8HT	YJ
GM4IPD	YR		GU4NYT	YJ	F1FEN/p	CF	

tnx fer info, Chris

I6ZAU/SV (FB10b) wkd:

28.5.	IV3HWT	IT9DQZ	IT9XJJ	IW5BCC	IW08ET	IW5AFB
IW0ATJ	YU3ULM	IT9ECQ	IT9JUD	I0AKP	I0DLF	IW9AIG
I6DQE	I6XCK	I6REK	I0HUB/p	IC8EGC	I3YXQ	IT90AA
I6CTJ	I6JVV	I8OMA	IT9VHS	IT9TDN	I3LQF	I0AML
I6CXD/6	IW3QEF	I8DWE	I0JKT	I0NCP	I3LOS	I4CIL
I6CTJ	IW5AB	I0CUT	I0YLI	IW0ADM	IWSAVM	I0AKP
I0WUWJ	I4XCC	I3TJQ	I0LYL	IW3QBC	I3LGF	IW9AJZ/9

I6ZAU/SV (KY33c) wkd:

31.7.	YU2AKL	I70ZV/7	IW6AHN/6	I6WJB	IW2BCV	I7QHE
YU2CBM/2	IT9UWM	YU2MM	I4CHY/2	I6CTJ	I6JVV	I4GBZ
1.8.	I0LYL/8	YU2FY	I6CXD/6	I6QIS	I6ICU	I3LOS
I7UGO	I8YZC	2.8.	IK4APZ/2	I6HNB	I4BPO	
I7QKM	941CD	I6DQE	I70ZV/7			tnx fer info

OK1APS (II63g) wkd > 1000 km:

30.5. F1FPI ZH F1EAN AG

tnx fer info, Alfred

OK3CDP (II66c) wkd:

13.6.	LZ2BP/p LD	18.7.		1.8.		14.8.
I4XCC GD	LZ2FR/p LD	I4BXN FE		I4KLY/4 GT		I4VER/8 GD
ISWJB HC	11.7.	25.7.		I5QON/8 GT		15.8.
27.6.	Y07VS LE	LZ1KPG/p LC		8.8.		Y06KNI/p MF
LZ2KBI/p LC	17.7.	31.7.		LZ2KBI/p LC		Y02KAB/p LF
Y07VS LE	I7HVF IB	YU2CBM/2 IC		UY5XE/p LK		Y02KBB/p LF
Y07CJH LE				UB5WAL/p MK		

tnx fer info, Juraj

ON4YZ (OK53e) wkd > 600 km:

17.6.		13.7.	OZ4VV EQ	LA2SN ES	3.8.	
OZ1DPR EP	EP	08XZM ZF	22.7.	OZ1FTW EQ	GM5EHK YR	
8.7.		GM3XQQ/A ZT	OZ1GSA EQ	OZ1GGQ EP	10.8.	
F1GFP/p XI		SM7AED	094AQ/OZ EQ	OZ4VM ED	C31HY AC	
GW8ELR/p XL		19.7.	OZ1HAS EQ	OZ1GMG EQ	F1SJ/p AC	
9.7.		GM8MBP YR	OZ1HYK EP	LA9DI FT	11.8.	
F6KAW/EAS CZ		SM4HKV YG	OZ2DE EP	OZ1EQT EQ	EA1KC XD	
11.7.		GM8DEG YG	OZ1EKI EP	LA9CM FT	OK1AXH/p HK	
F6KAW/EAS CZ		21.7.	OZ5GN EQ	OZ4HW EP	12.8.	
12.7.		OZ1FTW EQ	OL3ZA/OZ EQ	LA9LS DS	HG6VX/p JH	
LA6VBA ES		OZ1OZ EP	OL588P/OZ EP	LA6VBA	OE5EFM HI	
LA8EW DS		OZ1CTC EP	OZ1OQ EP	29.7.	HG6VX/p JH	
GM4NHI YR		SM7FJG GQ	OZ1DPR EP	LA5XAA CS	OE5KE HI	
GM4LBE ZL		OZ5TG EP	OZ6KH EP	GM4AFF/A YR	OK1KKH HJ	
		OZ1FOA EP				

tnx fer info, Paul

ON7HP (CL62d) wkd:

22.2. LA5XAA CS

tnx fer info

0Z1CFO (ER79j) wk d:

12.5.	GM8OEG	YQ	G3UNU	ZM	DLØUD	DL	GM8ZEQ	YR
GM8YPI/p	YP	GM4CXP	YP	G8IDP	AM	DC4BG	EM	G6BNT
GM4COK	YP	G3UTS	ZO	G8AZA	ZO	DL3DAH	DL	8.6.
GM4IPD	YR	G8XZM	ZP	G6UN	ZO	6.6.	PEØUOR	DM
GM8MBP/6	YR	G4KVX	ZO	G6EBH	ZN	ØY5AN	WW	GM8MBP
G8VGM/p	ZO	G8EIA/p	ZO	G8VIY	AM	ØY9R	WW	DG6DJ/p
G4ANT	AM	G4MSF	ZO	G6DUT	ZO	ØY6VHF	hrd	DC3QV/p
G8XXI	ZN	G4NUD	ZN	PAØEKR	CL	7.6.	ØJ7YP	EM
GM8FRU/p	YR	G4KEX	ZN	PAØFRE	CL	PEICHO	DM	DG4BB
G4NYU	ZO	G8PNN	ZP	3.6.		GM8OEG	YQ	PA1GHV
GM4CXP	YP	13.5.		ØB7XD	DM	GM6CFN	XR	9.6.
G8VWG	ZP	G8CNX	ZN	ØF8BL	EN	GM6GAS	YR	Y24XN/p
G8TQL	ZP	G4CYA	ZN					GK

tnx fer info

PE1AAP (CM67d) wk d > 600 km:

12.5.	GM8YRU/p	YQ	ØK8MA/p	FH	ØZ1HTB	HP	SM4FXR	GT
SM7DLZ	IQ	GM4MYL/p	YQ	7.7.	GM5DTB	ZR	LA3HY	FT
LA5XAA	CS	19.5.		F1ØMG/HB	DG	ØZ1EYN	HO	LA9GX
13.5.	ØF9RJ	GI	G8MKE	XK	LA6VBA	ES	LA7EU	FT
LA8EW	DS	22.5.	F6GLH	ZI	GM3WCS	YQ	ØZ1HNN	FR
ØZ6FH	ER	GJ4ICD	YJ	G6IEP	XK	ØY9JD	WW	LA9EX
GM4IPD	YR	G4NXØ/p	YL	F6FOE	YI	19.7.		LA2IJ
GM4CXP	YP	30.5.		8.7.		GM4ØIX	YQ	SM6BCD/6
GM8OEG	YQ	DL4YAM/p	FH	F6FHP/p	CE	GI4JYJ	XØ	SM6HØY
GM8MBP	YR	5.6.		F1AHR	ZE	21.7.		29.7.
LA3BAA	DS	H89RCJ/p	DH	G3CHN	YK	GM4LYQ	YQ	LA9T
ØZ1F6P	EQ	F6HGC/p	CH	F1FØV/p	ZJ	ØZ1CSU	HP	SM4EIM
GM3ZBE	YR	H89ADF/p	DG	GW3MYI	XL	G8SBD	ZN	LAØDI
ØY9JD	WW	8.6.		FØGUM/p	YG	GM4EØU	YQ	SM6MSG/m
GM8KZS	YR	SM5CMQ	HS	G8ØJW/p	YK	Y22SA	GN	3.8.
14.5.	LA8EW	DS	F6HLD/p	CG	Y38WA	HN	GM5EHK	YR
GM4NHI	YR	LA9LS	DS	G3VPC	YK	22.7.		GM4DMA/p
GM3UU	YR	9.6.		GW3ØKA	YL	G3ØUL/p	XJ	4.8.
G6HLJ	ZP	SM7FJE	GQ	G6HIH	ZM	LA2SN	ES	GM8T5I
GM8YPI/p	YP	10.6.		9.7.		Y23BD	GM	G3ZME/p
15.5.	GM8BDX	YP	SM7FJE	GQ	28.7.			GM4CXP
GM8LHP	YR	GM8OEG	YQ	12.7.		LA7AJ	FT	
GM8ADK	YR	3.7.		SM7MRJ	GP			
GM8FRU/p	YR	G4BAR/p	YK					

tnx fer info, Dolf

PE1BTX (CN79f) wk d:

30.5.	29.7.		HG4XT	JH	ØK1GW	HK	HG1KVP/p	IH
LA1EKO	BQ	ØI3LKA	XØ	ØE3NDA	II	ØK3CGX	II	ØE5EFM
11.7.	30.7.		HG1KSO	IH	ØK1KGS	HK	HG4XH	JH
F1GHP	ZG	GM8HLZ/p	ZR	HG5A	JH	HG8ET	KG	ØK2KZR
G3CHN	YK	SMØIGU/4	GU	ØE1AFW	II	HG1W	IH	HG8ET
20.7.	SM4FVD	GU	ØK1KRY/p	GJ	ØK2SGY	IJ	ØK2GY/p	IJ
SM7DLZ	IQ	LA6CU/p	CU	ØK1ØIC/p	HK	ØK1AFN/p	HK	ØK3KCM
LA9LS	DS	GM3XØQ/A	ZT	ØK1MG	HK	ØK1ACF/p	HK	YU7AR
LA8EW	DS	GM4LBE	ZU	ØK1AXH/p	HK	ØK3TJK	II	HG8CE
LA2SN	ES	12.8.		ØK1MDK/p	HJ	HG5KØQ	JH	HG6VX/p
		HG1YA	IH	HG1KYY	IH	ØK3TBY	II	ØK1VL/A
								GK

tnx fer info, Gerard

70cm	70cm	70cm	70cm	70cm	70cm	70cm	70cm	70cm
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C31YQ wkd:

F6KAW/EA6

tnx fer info, DK3CM

DB6BX (DM46c) wkd > 600 km:

<u>13.5.</u> GM8XZY YQ	<u>3.6.</u> DE2CAL GH	<u>7.7.</u> F1DPX ZH	G4CLA ZM	G4CBW YN
G8ROU ZN	<u>7.6.</u> LA8AE FT	F6ETI YH	<u>21.7.</u> G8PNN ZP	G3NAS ZM
<u>14.5.</u> GM3ZXE/p YQ	SM6HYG FS	<u>8.7.</u> G4LRT ZM	G4KIY ZM	<u>22.7.</u> G8ADM ZL
GM8BDX YP	SM6GWA FS	<u>9.7.</u> G8JVM ZL	LA8AE FT	G8OPR ZL
GM6ADJ YQ	<u>8.6.</u> SM6CMU FR	<u>19.7.</u> G3MMK ZN	G8FUO ZL	G3PBV YK
GM8FRU YR	SM6FYJ GR	G6ADE ZN	G8SRL ZL	G4LBV ZM
G4KUX/p ZO	G8PNN ZP	G4FXW ZN	G3CDK ZL	<u>24.7.</u> DF3CK FH
<u>15.5.</u> G4KUX/p YO	G8LZM ZO	G4CBW YN	G8GP ZL	<u>29.7.</u> LA3VW ES
			G4BVY YM	
			G8TFI YL	
			G3UBX YN	

tnx fer info, Peter

DF9PY/p (DK64b) wkd:

<u>3.7.</u> DKØIK/p EN	<u>4.7.</u> DK2GR FJ	F1KCP BI	G3YMD/p AL	tnx fer info
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DG4GAN (EI76a) wkd:

<u>5.5.</u> DKØIK/p DO	<u>14.5.</u> DE3EFS HI	IW2BNA/2 EE	<u>28.5.</u> DB6BX DM	<u>21.6.</u> DC7QH GM
<u>9.5.</u> DC9OX/A EM	<u>16.5.</u> I2FHW/2 EE	<u>17.5.</u> DL7ACG GM	<u>20.6.</u> IW2BAI EF	<u>3.7.</u> DKØIK/p EN
				PA3BPC/p CM

tnx fer info, Hagen

DKSAI (FL33b) wkd:

<u>21.7.</u> G4LOJ AM	G4BYV YM	G4KGC ZM	G8RZP ZL	G8KAX AL
LA8AK DS	<u>22.7.</u> G3ETU YN	G3JXN ZL	G8RZO AL	G3PRX AL
G6CBN ZO	G6CHL YN	G4DGU XK	G8JUL/p XJ	ON1LB BL
G6AVL ZP	G8BWR ZM	G4AFJ ZM	G3GIM ZL	<u>8.8.</u> OZ7LX FP
		G8FUO ZL	G6CSY/p AL	

tnx fer info

G3PBV (YK32b) wkd > 700 km:

<u>7.7.</u> HB9AMH/p DH	DF7VX EL	<u>21.7.-22.7.</u> DL3UZ FN	OZ1EKI EP	DF10H EM
HB9MTY DG	PAØTHT DM		DF5LQ EO	DB6BX DM

tnx fer info, Dave

G3UBX (YM40g) wk'd > 500 km:

7.7.		DC4XH	EN	OZ1CFO	ER	DCØHW	DN	OZ9SL	FP
F1FHI	ZH	DF5EO	DL	OZ1EKI	EP	DC4BK	EN	PE1HCW	DN
F6APE	ZH	DG4OK	EM	OZ1FEF	EQ	DF4LY	EO	SK6AB	FR
GM4JLY	YR	DK1KR	FN	OZ1HDA	ER	DF5LQ	EO	SM6CKU	GR
HB9AMH/p	DH	DK3UC	FN	OZ1OF	EQ	DHØLAC	FO	SM6CMU	FR
8.7.		DL7ZL	GM	OZ3GW	FQ	DK7LJ	FO	SM6CWM	GR
F1DMG/HB9	DG	OZ1EKI	EP	OZ4VM	EQ	DL3BAK	EN	SM6DHD	GR
19.7.		Y23BD	GM	PAØGUS	CN	DL8HAV	EN	SM6EAN	FR
DF5LQ	EO	22.7.		SM6FHZ	GQ	OZ1AXL	EQ	SM6FLL	GR
21.7.		GM4JLY	YR	SM6HYG	FS	OZ1CFO	ER	SM6FYU	GQ
DB6BX	DM	28.7.		29.7.		OZ1FKZ	EP	SM6HYG	FS
DC1BR	DM	LA8AK	DS	DB4LL	EO				

tnx fer info, Peter

G4LRT (ZM45d) wk'd:

8.7.		DL7ZL	GM	OZ9SL	FP	21.7.		29.7.	
F1EZQ	CH	ON4UL	CK	OZ2UHF	hrd	DL8HAV	EN	OZ4VM	EQ
OK8SG	EI	DC9JU	DL	OZ1OLD	EP	DJ6LI	FO	LA3FV	FT
DL7QY	FJ	DC4XH	EN	OZ7LX	FP	DF5LQ	EO	SM6ESG	GR
DB2VY	DJ	DG2EAE	DL	19.7.		DJ4SO	FO	SM6CMU	FR
DF9CR	DM	Y23FC	FM	GM4JLY	YR	DHØLAC	FO	SK6AB	FR
F8ZW	DI	DB6BX	DM	GM8XZY	YQ	24.7.		SM6CKU	GR
DG6ND	EJ	DK1QH	EM	EI2DJ	WM	SM6GUS	GR	LA3VW	ES
DH5EAI	DL	DC7PV	GM	GM8BDX	YP	LA4WN	FT	OZ1FJJ	FR
OZ9PZ	EQ	12.7.		GW6AHX/p	XL	SM6FHZ	GQ	OZ1HDA	ER
DDØQB	EL	SM6HYG	FS	GM4IGS	XP	SK6AB	FR	SM6FHZ	GO
DGSKAG	DK	LA8AK	DS	GM8CBO	YR	SM6GWA	FS	SM6EYK	FR
DK1IZ	DL	OZ2KO/A	ER	GI6DRK/p	WO			SM6KKX	GR
DF2ER	DL	OZ1FEF	FQ	GI4GVS	XQ				

tnx fer info, Steve

GJ4ICD wk'd:

7.7.		F1FIP/p	DI	OKØNA	FK	DK4GD	EH	DL5FN	EK
DE2CAL	GH	DL9SA	EI	HB9AMH/p	DH	DB6NT/A	FK	DK9MN	FI
DK5IE	EJ	OK8SG	EI	F1SA	CI				

tnx fer info

HB9BMC (EH73e) wk'd:

3.7.-4.7.		F6CER	BI	DKØZR/p	FK	DKØXX/p	EK	DB5ZH	EK
DG4BB	EN	DG5KAG	DK	DL3ZAL/p	EK	F1FEN/p	CF	DJØLU	EK
F1KCP	BI	DB1PH	DK	DDØZR/p	EK	DC5YI/p	FJ	DC1FT/A	EJ
DJ9OL	DL								

tnx fer info, Robert

OK3CDR (II66c) wk'd:

3.7.		YU4AVW/4	JE	6.8.		7.8.		YU1AWW	KE
YU2NX	IF	4N9T/4	JD	UB5DBC/p	LI	RK5DX	LI	RK5DX	LI
YU4BYZ/4	IE	YU1EU/7	KF	UB5VK/p	LI	8.8.		YU1EV	KE
YU4EBL/4	ID	YU7BCD/2	HE			YU1KL	KE		

tnx fer info, Juraj

I6QGA (GD38h) wkd:

1.5.	OK1AIY/p	HK	14.5.	DB2RR	FJ	4.7.			
HG4KYB	JH	OE3LFA	II	OE2CAL	GH	OK2GR	FJ	HG9KOB/p	KI
OK7AA/p	II	OE3EFS	HI	OE2KMM	GH	DLØMM	FJ	4N9T/4	JD
HG1Z	IG	DB2RR	FJ	3.7.	HG7KSV/p	JH	HG3K6J	JG	
OK3CDR	II	OL3NAE/A	FJ	OE5ML	GI	HG1W/p	IH	HG2KSV/p	IH
2.5.	DG9RAD/p	GJ	OE5XBL	GI	HGØKLZ/3	JG	HG7UG/p	JH	
OK2GR	FJ	OE2CAL	GH	PAØPLY/OE	FH	HG4KYM/p	JH	HG2KML/p	JH
DF9NZ	FJ	DLØUC	FK	OE3EFS	HI	OK3CGX/p	JJ		

tnx fer info Tony, I2FUM

LA9AK (DS8Øb) wkd:

6.5.	14.5.	GSATK	ZL	28.7.	PAØFRE	CL			
OZ6CE	EP	G3TDB	AL	13.7.	G4LOJ	AM	G3XDV	AL	
OZ1EKI	EP	15.5.	DF7VX	EL	G4KIY	ZM	GW8AHI	YN	
OZ2DS	EP	G4KUX	YO	DJ7YP	EM	G4BYV	YM	GW9YUJ	XN
OZ7IS	GP	3.5.	OK5AI	FL	G8SFI	ZN	31.7.		
OZ6HY	EP	OZ7/S	GP	PA3AOH	DL	G8KEN	AL	GM3JFG	XR
12.5.	12.7.	DL4OL	FM	30.7.					
G4LOJ	AM	G3LQR	AM	22.7.	G4KBC	ZM			
G4BYV	AM	G4LRT	ZM	PE1CNO	CN				

tnx fer info, Jan-Martin

GE9XXI/p (EH39c) wkd:

1.5.	Y350	GM	3.7.-4.7.	F6GBY	CG	OK1KRA/p	GK		
H88ADF/p	DG	ON7MK	CK	OE5XBL	GI	Y350	GM	DL7YC	GM
H88KK/p	DG	ON7WR/A	OK	OE5ML	GI	Y21PL/p	CL	DL7ZL	GM
H88MTY/p	DG	PAØWRC	CL	OE5NEL	HI	PA3BPC/p	GM	DG4DB	EN
DL2LAS	EN	PAØERW	CL	H89KK	DG	PAØWNB	CL	DF3XU	FN
OK4SM	EM	PAØJRS/A	CK	H89ADN/p	EG	PE1ALA	CM	DKØIK/p	EN
DF7YU	EL	PE1DCY/p	CL	H89MIN	DH	PE1BWX	CL		
DG4DB	EN			F1DLT/p	CH				

tnx fer info, Peter

ON4YZ (CK53e) wkd:

5.5.	3.7.	4.7.	7.7.	22.7.					
DL2LAS	EN	GM4CLA/p	YM	GM4BRK/p	YN	F6ETI	YH	OZ1EKI	EP
5.5.				G8PUB/p	YK			OZ1HRA	EQ
F1BOU	ZE								

tnx fer info, Paul

ON7HP (CL62d) wkd:

3.5.	DKØIK/p	DO	tnx fer info
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OZ1CFO (ER79j) wkd:

12.5.	PA3BRS	CM	4.5.	PAØHRE	DM	8.5.			
GM4CXp	YP	PE1DAM	CM	DK3UC	FN	GM4JLY	YR		
G8PNN	ZP	PE1FKW	DM	7.5.	PE1CHD	DM	DJ7YP	EM	
13.5.	PE1HCW	DN	DL2BB	EN	PAØING	DM	DG4DB	EN	
PAØFRE	CL	14.5.	DB6BX	DM	DF3XZ	FN	OK6AS	FM	
PEØAGO	DM	PAØGUS	CN	PAØQX	DN	DF3XU	FN		

tnx fer info, Per

PE1AAP (CM67d) wkd:

1.5.	13.5.	15.5.	0Z4H0B/A	EQ	29.7.
F6ECI/p BJ	GM4JLY YR	GM3ZXE/p YQ	0Z6HY	EP	0Z3GW FQ
G3ZWK/p AL	G4MPM/A ZN	LA8AE FT	8.6.		3.8.
G8PUB/p ZK	GM8XZY YQ	2.6.	SM6CEN	FR	GM40BD YR
2.5.	14.5.	GM4JLY YR	4.7.		
DL2LAS EM	G3AWL ZO	3.6.	F1KCP	BI	
		0Z1EKI EP			

tnx fer info, Dolf

SM6CEN (FR40b) wkd > 500 km:

13.5.	PA0GUS CN	7.6.	PE1ABV CM	DF6VW EM
G2CIW AL	5.6.	GM4JLY YR	PE1HYP DN	DB7YAH EM
G4LOJ AM	PA0AEB/p CN	GM3JFG XR	PE0AGO DM	OG4BB EN
3.6.		PA0UWM CM	DC4BL DM	DJ7YP EM
DF3AR FM		PE1AAP CM		

tnx fer info

YU3ES/3 (GF40d) wkd via Tropo: (2m)

4.7.	1.8.
F6KAW/EA6 CZ	IH9ONU GW
IS0CSX/IS0 EZ	



EUROPEAN TOP LIST REGISTRATION

For updating the "European Top List" we invite you to report about your successes on the VHF-UHF-SHF bands. QSOs with locators via natural conditions (Tropo, Aurora, MS, ES, Moon-Bounce) count for the list. QSOs via artificial reflectors and transponders will not be accepted. The list will be updated and communicated continuously. (see back cover of this issue). Please use the following form sheet and send it to: Claus Neie, DL7QY, Rudolfsberg 24, D-7181 KRESSBERG.

Um die "European TOP List" auf dem neuesten Stand zu halten, bitten wir Sie, über ihre Erfolge auf den VHF-UHF-SHF-Bändern zu berichten. QSOs mit QTH-Kennern auf natürlichen Ausbreitungswegen (Tropo, Aurora, MS, ES, EME) zählen für die Liste. QSOs über künstliche Reflektoren oder Transponder sind nicht zugelassen. Die Liste wird auf dem jeweils neuesten Stand fortlaufend herausgegeben (siehe hintere Umschlagseite). Verwenden Sie bitte den folgenden Vordruck und senden Sie ihn an Claus Neie, DL7QY, Rudolfsberg 24, D-7181 KRESSBERG.

METEOR**S**CATTER**N**EWuy 73
Besud/DF22CRemember: New adress of DF22C

P O Box 1612

2390 FLENSBURG

Supplements to the MS-List:

DG4NAE EJ U.Langenhofl/Mainparksee 1125/8752 Mainaschaff
 Phone: ~~066~~21-74987 only SSB
 OE6WIG HH W.Steinwender/H.v.Hofmannsthalweg 3/86~~0~~5 Kapfenberg
~~03862-251485~~
 LA9BM EU L.Breie/358~~0~~ Geilo Phone QTH 67-858~~0~~2
 QRL 67-85~~0~~5
 OZ9PW EQ E.Frosch/Lyngvej 17/9631 Gedsted only SSB
 I6DQE GD A.D'Elia/Via Brunamonti 2/62~~0~~19 Recanati

To our subscribers:

If you send your informations typed on a machine you can easily help me to do the work quicker:

1. Use a good colour-band in your machine.
2. Type only on one side, not both sides of a paper.
3. Type only in a space of 17cm x 24cm.

thank you

yours

Besud
DF22CYU3ZV completed from HG:

5.05.	0400-0500	F6DDV	27	26	XI	C
6.05.	0500-0600	G4KLX	26	26	ZN	C SSB
8.05.	0620-0700	G4IJE	27	27	AL	C RANDOM
10.05.	1600-1700	PA 0 RDY/LX	27	26	CJ	C
12.05.	0500-0700	GW3NYY	27	37	XL	C
18.05.	2100-2300	UK3AAC	26	26	SP	C
20.05.	2100-2300	LA7KK	27	26	FU	C
21.05.	0900-1000	OZ5QF	26	26	EP	C
22.05.	0400-0600	G8VR	27	26	AL	C

tnx fer info, Drago

How to use information in the radiant catalogue

SM6CEN, Håkan Berg, Ängslyckan 14, S-427 00 BILLDAL.
Very little has been written about how to use the information that can be subtracted from the Radiant Catalog made by R A Mackenzie and issued by the British Meteor Society. This catalogue has also been published by Dubus.

Position of the radiant

I like to show how to decide the position of a radiant seen from any position on the earth.

I First we determine the radiant's height above the horizon. Let's call the angle between the radiant and your horizon: h .

From the following equation we can solve h :

$$\sin h = \cos(\text{lat}) \times \cos(\text{Dec}) \times \cos e + \sin(\text{lat}) \times \sin(\text{Dec});$$

where lat is your own latitude, and Dec is the value for the radiants declination and found in the radiant catalogue, where it is also called Dec .

The variable e can be solved from this equation:

$$e = \text{R.A.} - \text{ST} - T;$$

where R.A. is the value for Right Ascension and also found in the radiant catalogue and also called R.A. in the catalogue. ST is the starttime (sidereal time) for the day of interest at midnight. T is your local time.

Notice that it is only the variable e that varies for a given radiant from one year to another. But on the other hand the values for starttime vary very little from year to year, so once you have decided the position of a radiant it is usable for many years. If starttime is expressed in hours and minutes, conversion to degrees is simple since 1 hour is 15° , and one minute is $15/60^\circ$.

II In the above determination of the radiant's position we have come out with one unknown variable, and that is the starttime. But we can calculate it ourselves.

$$\text{ST} = 6.6044 + 0.06570982(\text{JD} - 2443874) + 1.0027379\text{UT} - L$$

where JD is the Julian Date for the day in question and UT is the Universal Time. L = your longitude east of Greenwich. Starttime is also called sidereal time and the above expression gives the starttime relative to UT within one second. The difference is caused by the irregular movement of the earth. As you see now another unknown variable is introduced, JD .

III Let's calculate the Julian Date. In many cases there have been practical to have a continuous time scale. Julian Date is such a scale. From Jan 1st 4713 BC the days are numbered. And for instance Jan 1st 1979 is 2443875. More precise the Julian Date is defined to begin at 12 UT.

$$JD(12 \text{ UT}) = 2415020 + \text{INT}(365.25Y - 0.2) + A(M) + D;$$

where INT means integer of (...) and Y = year - 1900.
A(M) from the following table and the D the day of month.
M is month.

M	A(M), normal year	A(M), leap year
1	0	0
2	31	31
3	59	60
4	90	91
5	120	121
6	151	152
7	181	182
8	212	213
9	243	244
10	273	274
11	304	305
12	334	335

The above formula is valid between 1901 and 2099.

Now it is possible to decide the radiant's position above the horizon from the formula in the first paragraph.

IV But to have a complete picture of the radiant's position we also need the azimuth angle for the radiant. And it is rather easy. In many tables over radiant's or showers the transit time is given. Transit time or culmination is the time when the radiant is having its highest position over the horizon. But this also happens when the radiant is in the south (180°). Then $360^\circ = 24$ hours.

V In some cases you cannot find the transit time in the tables, but it is not ~~to~~ difficult to calculate it yourselves. This time we will also need the Julian Date and the starttime. From definition a radiant is passing the meridian in south when the starttime equals the R.A. for the radiant. We can now use the same expression as before between starttime and UT, but this time we are interested in solving for UT. It is easy to make and if you get a negative value, just add 24 h.

UB5LAK wkd MS:

3.05.

OK2KZR/p 27 26 5b 4p max 2s C
OK2PEW 27 26 5 1 3 C

tnx fer info

DG4NAE EJ06a wkd: pers. '82

10.08.	21.00-21.18	EA1TA	VD 27 27	3b 7p	C	27sec.	ssb	
	22.00-24.00	EA3CR	AB -- --		Nil	(QRV?)	"	
11.08.	17.00-18.00	LA8OW	EU 26 --	1 8	NC	2sec.	"	
	21.00-22.00	HG8KWG	KG 26 26	4 11	C?	(got my rrr?)	"	
	22.30	F1FHI	ZH 37(wkd	Tropo	52 52)		"	
	23.00-23.20	YU7AR	KF 26 37	6 mni	C	4sec.	"	
12.08.	00.55-00.56	HG6VX/p	JH 37(wkd	Tropo	54 52)		"	
	01.10	OK3KCM	JI 26(wkd	Tropo	52 56)		"	
	05.45	F1JG	CD 27 27	1b	C	2osec.	"	RANDOM
	08.40	I1BEP	EF 27 27	1	C	16sec.	"	"
	11.18-11.38	SM6AFT		27 28	2 4	NC	"	"
	13.12	SM2CKR	KX 27 27	1	C	25sec.	"	"
13.08.	08.03.	I1JTQ	DF 28(wkd	Tropo	52 52)		"	
	10.41	GJ4ICD	YJ 39 39	1b	C	4osec.	"	"

Hrd RANDOM on .200:12.08.:GJ4ICD,SM3ASG(?),OH4UC,OH7PI,UR2EQ,
OK3KCM,HG6VX/p,F6CJG,G4MHL?,SM5MIX,SM6AFT,SM7WT,SM5VF?,EA3YW,
I1BEP,SM0JFL,GL4cok,13.08.:YU1ACP,EA3ADW,YU7AR,10N??,F1FHI,
YU6VHF,14.08.YU2RSD

B lido

MS-log PA2GER (CL02e)

22.11'81	06.00-07.35	LA7KK	FU	36	26	15b	21p C
23.11'81	04.00-05.45	ISMZY	FD	36	26	47b	47p C
12.12'81	00.00-02.00	OK2V1L	JJ	sri	final	tube	-QRT
	02.00-04.00	SP9CWU	JK	-	-	-	1p NC
	21.00-22.00	G18YDZ	WP	-	-	-	3p NC
	22.00-23.00	IN3LHI	FG	26	-	1b	15p C
13.12'81	03.00-03.40	LA3SU	FV	36	26	24b	- NIL
	05.00-07.00	I1ANP	EE	-	-	-	- NIL
	22.00-23.00	SP9DSD	JK	-	-	-	- NIL
14.12'81	00.00-02.00	YU100	KC	36	-	11b	6p NC
	03.00-04.00	YU7AJH	JF	26	26	14b	7p NC,
03.01'82	07.00-08.00	OZ1EYN	HO	26	-	2b	5p NC
	09.00-10.00	IN3TZL	FG	-	-	-	- NIL
	11.00-12.00	LA9BM	EU	-	-	-	- NIL
	12.00-13.00	SM2BYC	MZ	36	26	8b	8p C
04.01'82	01.00-03.00	YU10NB	KE	-	-	-	- NIL

PE1BTX CN79f wkd MS

20-6	I6DQE	GD	26	26	MNY	7	3sec	C	CW
11-7	IW5AVM	FC	26	26	10	6	1sec	C	SSB
11-7	UK3AAC	SP	26	26	2	1	05sec	NC	CW
30-7	UK2RDX	MT	26	27	MNY	10	3sec	C	,,
30-7	SK3LH	JX	26	26	MNY	7	23sec	C	,,
01-8	UK3AAC	SP	NIL					NC	,,
01-8	OK3AU	KI	26	26	MNY	30	15sec	C	,,
01-8	SM5BEI	JU	26	27	MNY	35	4sec	C	,,
02-8	HG1KYY	IH	26	37	MNY	19	6sec	C	,,
06-8	F6DDV	XI	26	26	13	13	4sec	C	,,
06-8	OK2KZR	IJ	26	26	10	7	2sec	C	,,
06-8	I7CVC	HB	26	27	16	16	7sec	C	,,
07-8	SM3UL	IV	26	26	15	14	6sec	C	,,
07-8	F1EIT	YG	sri	not	QRV	QRL		NC	SSB
09-8	HG8CE	KG	26	37	2	12	7sec	C	CW
09-8	HG1KVM	IH	27	27	10	15	5sec	C	,,
09-8	UQ2GLO	KQ	27	27	MNY	30	6sec	C	,,
10-8	UQ2GCG	LR	NIL					NC	,,
10-8	I1KTC4	EE	27	26	MNY	32	6sec	C	,,
10-8	OH5LY4	NV	26	26	3	8	5sec	C	,,
10-8	OE5NKM	HI	NIL					NC	,,
10-8	OK3YCM	JI	27	37	7	15	2sec	C	,,
10-8	UK3AAC	SP	26	26	7	4	5sec	C	,,
10-8	YU2EZA	IG	NIL					NC	,,
11-8	YU3DRW	HG	26	26	21	12	2sec	C	,,
11-8	OE6WIG	HG	26	27	MNY	35	20sec	C	,,
11-8	IW1ARB	EE	NIL					NC	,,
11-8	YU2DG	JF	26	-	random		6sec	NC	,,
11-8	OK2LG	II	26	26	MNY	15	10sec	C	,,
11-8	HG4XT	JH	26	39	MNY	5	15sec	C	,,
11-8	HG8VX	JH	27	36	MNY	22	20sec	C	,,
11-8	YU7AU	KE	27	26	11	16	1sec	C	,,
11-8	UA3QER	TL	NIL					NC	,,
11-8	OK3KNM	JI	26	27	15	12	4sec	C	,,
11-8	OK5FAI		37	-	random		25sec	NC	,,
12-8	IW2BNA	EF	NIL	sri	QRM	to 5-9	NC	SSB	
12-8	IW0BCU	GB	27	26	4	4	1sec	NC	CW
12-8	YU7MAU	JF	26	-	1	1	05sec	NC	,,

hrd random RO50AA,OK9KCM,YU2DG,YU7AR,
F1JG,HG1YA,UA3PBT,UB5YC?,
UC2ACA,OE5EFM,UA3QER,OE2PUW,
IW5AVM,IW3QBC,HG4XT,YU2CCB,
IW0HAZ,SM5MIX,IW1ARB,UA3LBO,
YU3HCX,

13-8 F1JG CD 27 27 random 6sec C SSB
13-8 YU7AR KF 27 27 random 5sec C ,,
hrd random YU3EW,YU3CAB,RO50AA,

We will be more QRV via MS,for skeds with
CN-square pse call on sunday 05150-20839
or contact PA0COR,PA2VST in the VHF-NET
2MTR station RX 1,2 dB TX 1 kW 2x16 el

best 73s good DX BERT

OKLIDK M/S - cont.3

13.8.82 06.00/06.45 UY5OE NIL SK71e
11.00/11.22 OH7RJ 27 27 15b9p 5sec NW09f
12.15/12.45 LA8OW NIL
21.00/21.45 GIBYDZ 26 N.C. 1b
23.00/23.45 SMØLRN/p 26 27 16b5p 10sec JS01a
14.8. 10.00/10.40 LA2PT 37 26 8b3p 16sec FTL3b
11.00/11.30 OZ1HNC NIL FR
12.00/12.30 SM4KVM NIL HT
13.00/13.40 GM5ENZ 27 57 10b6p5sec WQ49j

VY 73 + MNI DX

OKLIDK

F6BSJ CG24f wkd:

31.1.82	0400	0600	OKSAU	KI	26	26	14B	24p	1,5 s
6.2.82	0400	0530	LA9BM	EU	26	27	9B	14p	2 s
9.5.82	0600	0635	LA5TH	CU	27	27	11B	10p	3 s
16.5.82	0600	0630	LA7KK	FU	27	27	20B	40p	2 s
31.5.82	2000	2040	SM7DLZ	IQ	27	27	27B	20p	2 s
7.6.82	2000	2110	UQ2GLD	KQ	27	27	36B	14p	3 s
* 9.6.82	1200	1300	EA7AGO	YW	27	26	8B	11p	5 s
9.6.82	1640	1730	GW4ASR/P	XM	27	26	47B	18p	5 s
12.6.82	2200	2255	YU2CCB	IF	26	26	20B	28p	2 s

* SSB

- NIL : LA6CV, HG8ET (sorry water in my coax. Hi!!)
OZ1ASL, UK3AAC.
- NOT COMPLETE : SK3MF, UO5OGF, GM4CXM.

Our last Expedition back in August last year to DO-Square was not too bad, so we decided to make another Expedition this year. The activity on VHF and UHF from HBØ is not the best, and this was the reason, why we want to this country from 28. of June until 4Th of July.

The location (EH79H) was abt 2000 mtrs above sea level, but surrounded by mountains, which were up to 500 mtrs higher, than our tiny hut.

The first three days, the wheather was very bad; we had lots of rain and it was very cold, also the conditions were just lousy. Equipment was IC211 E with BF981 Preamp. and a 16 Ele. Tonna. On 70cm we were running abt 70 Watts with an IC451 E + 4cx 250 and a Linear; antenna was a 19 Ele.L.Y. Unfortunately the wheather was too bad, so we had no chance to get the 4 times 10 ele. for VHF and the 4 times 19 Ele for UHF on top of our mountain.

Because of the high mountains in the north, east and southern direction, most of our skeds were arranged with stations from G.

29.6.	1000-1100	G8ECI	26 26	AN	3b	12p	C	SSB
"	1100-1130	GM4CXM	-- --	XP	--	1p	NC	SSB
30.6.	ØØØØ-Ø1ØØ	GW4LXO	26 26	YL	9b	21p	C	
"	Ø1ØØ-Ø13Ø	GM4CXM	26 --	XP	1b	11p	NC	
"	Ø6ØØ-Ø7ØØ	F6EOQ	27 27	YI	9b	40p	C	
"	Ø7ØØ-Ø8ØØ	G3VYF	27 27	AL	15b	38p	C	12 sec S 9 +++
"	2300-2400	G4IJE	26 26	AL	12b	36p	C	3.5 sec
1.7.	Ø400-Ø500	GM4CXM	-- --	XP	-	mni	NC	CW/SSB
"	Ø500-Ø525	F6FHP	-- --	AE	-	-	NIL	
"	Ø600-Ø700	EA3LL	27 26	AB	3b	10p	NC	
"	Ø700-Ø810	G8VR	27 26	AL	3b	16p	C	
"	1900-2000	GM4CXM	26 --	XP	1b	3p	NC	SSB
2.7.	Ø500-Ø600	EA3LL	26 --	AB	4b	4p	NC	
"	Ø600-Ø645	GM4CXM	26 27	XP	4b	4p	C	SSB X
"	Ø700-Ø750	GW8JLY	26 --	YL	3b	4p	NC	SSB

X = first GM-HBØ !!!

NIL: G4HUP, sri but problems with the fuse

We had the same problems as last year with the operators; DL7YS was the only CW-MS-Op, so it was impossible for him to stay on the radio 24 hours a day. Hopefully it will be a little bit better next year, because DLØSP will go to????

vy 73 de DL7YS,

Peter

OE3CEW II52f wkd CW:

18.VII. 82	2200-2325	OZ1FTU	FP	26	26	16B	mni	P	0.5	C
19.VII. "	0800-0850	SM5MIX	HS	26	26	15	"		1.5	C
27.VII. "	2200-2400	F6HWY	AH	26	--	15	"		5sec	NC
28.VII. "	0600-0705	ON7EH	CK	26	27	6	"		Tropo	3W/C
	2200-2245	F6DWG	BJ	26	27	25	"		7	C
30.VII. "	0700-0835	F6DRO	AD	26	26	14	8		1	C
6.VIII. "	2200-2305	SM5BEI	JU	27	27	14	mni		1	C
8.VIII. "	2200-2400	OH3MF	MU	26	26	19	"		2	C
12.VIII. "	0600-0700	OH5IY/4	NV	27	26	3	5		3	C?
	2200-2345	OH3AWH	LV	27	26	6	2		1	C
17.VIII. "	0400-0545	SM7GWU	HS	27	26	17	mni		0.5	C

MS and TROPO activity from GK45d

OK VHF team /OK1CA, OK1AXH, OK1DIG, OK1IDK, OK1MDK, OK2PEW/ will be QRV from GK45d Square /1244mASL/ with the special call OK6#W in the october 1982 /Oct.16 to oct.23, 1982/.

MS 2m and 70cm and TROPO skeds can be arranged on the VHF net 14 345 kHz or via OK1IDK.

QRG: 144, 432, 1296, 2304 MHz

073 kHz for CW

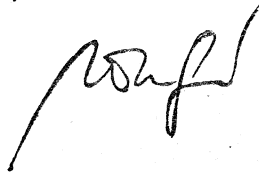
173 kHz for CW and SSB

373 kHz for CW and SSB

DX-PLEASE CALL ON CW ON EACH QRG!

Good luck and 73!

OK1IDK, Milan Gütter, Jablonského 42, 301 45 Plzeň
ČSSR



DK1VI wkd:

9.8.1982

9.20 - 10.20 UTC I 4 MKN GE 73 C 26 26 C

10.8.1982

11.30 - 12.12 LA 8 OW EU 31 G 26 26 C 4b 5p
14.00 - 15.00 I 2 CVC/7HB 18 B 26 26 C? 4b 3p

11.8.1982

9.00 - 9.37 SM Ø IME JT 51 E 26 26 C 4b 6p

12.8.1982

7.00 - 7.18 I 6 WJB HC 42 G 26 26 C 1b 1p
8.00 - 8.21 GM 3 ZXE YQ 35 G 26 26 C 5b - 20 sec.
9.40 - 10.24 SM 4 KVV HT 56 C 26 26 C 5b 10p 15 sec.
11.00 - 11.14 SM Ø FZH JT 54 H 26 26 C 2b 2p

13.8.1982

8.15 - 8.17 SM 4 KVM HT 56 D 36 26 C 1b 30 sec.
11.15 - 11.36 YU 7 NTU KF 42 D 26 26 C 2b 1p 30 sec.
13.30 - 14.20 SM Ø AGP IT 70 B 26 26 C 4b 2p 15 sec.
22.00 - 23.00 UO 5 OGF OG 19 B nil not grv?

14.8.1982

0.00 - 0.20 GM 5 EHK ZR 42 H 26 26 C 3b 6p 10 sec.

hrd random: GM 6 CFN

vy 73,



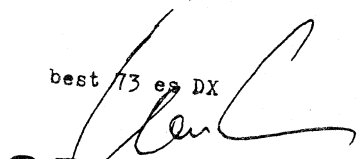
Ernst, DK 1 VI

OE3CEW II52f wkd

30.05. 2215-0015 G40AE 26 27 19B 21P 4sec C? RANDOM
5.06. 0900-1000 G4ASR YM 26 26 8 12 1,5 C? "
27.06. 2200-2400 UQ2GCG LR == == == == == NC
28.06. 0000-0150 UQ2GLO KQ 26 26 5 4 2 NC
12.97. 1100-1200 GI8YDZ WF == == == == == N SSB
" 2200-2315 GW3NYY XL 26 27 11 25 2 C
17.07. 1400-1520 UK3AAC SF 26 26 9 mni 1sec C

MS/CW PROPOSALS ARE EVERY TIME WELCOME 04.00-16.00, 22.00-00.00
E. CECHOTA/LEHRERWIESE 9/A-3400 SCHEIBLINGSTEIN/AUSTRIA

best 73 es DX


OE3CEW

HG1YA / IH63b/ worked via MS:

09.08.82	0900-1000	SMoHAX	IT	27	26	7b	10p	C
	2000-2100	P6DWG	AJ	27	27	11b	18p	C
	2100-2145	SMoNRR	IT	37	37	nni		C random
	2205-2240	SMoAGP	IT	47	37	nni		C "
	2250-2330	SE2KW	KY	37	28	nni		C "
10.08.	0400-0500	OH3MF	MU	38	27	10b	8p	C
	0600-0630	SK7JD	IR	27	26	5b	6p	C
	1200-1230	O3OLD	AC	27	27	8b	10p	C
	2000-2045	SM4LMV	HT	26	38	24b	13p	C
11.08	0900-1000	GM3WCS	YQ	37	26	14b	14p	C
	0800-0900	LA5JH	CU	27	26	4b	3p	C
12.08	0200	PA00OM	DN	37	37	1b		C random S
	0230	G4ASR	YM	58	52	1b		C MS?
	0253	G3UNU		37	37	5b		C random S
	0300-0315	G8VES		27	27	4b	5p	C
	0500-0515	18TUS	IZ	57	26	3b		C
	1045-1100	GJ4IGD	YJ	27	27	10b	8p	C
	1100-1140	G4RGT/P	AN	26	26	6b	2p	C
	1144-1200	GM5BHK	ZR	27	27	4b	2p	C
	1225-1300	G4HUP	27	27	26	4b	3p	C
	1330	G4BAW	AL	38	38	1b		C
	1350-1358	UA5MBJ	SR	26	37	1b		C
	1410-1540	G3ZXX		39	37	7b	2p	C
	1700-1800	GM4ICS/P	YT	26	26	5b	4p	C
	1900-2000	EA6FB	AY	36	26	5b	9p	C
	2200-2240	G6EWD	ZP	27	26	7b	4p	C
	2304	G4DHF		36	26	1b		C random S
	2339	F6CJG	BF	39	37	1b		C "
	2349-2352	G8LEF	ZN	29	26	4b		C
	2355	DL7AFB	GM	57	37	1b		C
13.08	0500-0505	PE1FMU	CM	27	27	2b		C
	0607	F1FHI	ZH	39	39	1b		C

HG1YA via MS cont.

13.08	0700-0800	EA3IH	AB	26	26	6b	4p	C
	0900-1000	G8JVM	ZL	27	27	4b	6p	C
	0800-0900	PELEVX	CM	26	26	6b	18p	C
	1000-1100	G8TIC	YM	27	27	4b	8p	C
	1140-1300	SM1BSA	JR	27	37	5b	3p	C
	1300-1407	DL9BAS	DN	26	27	5b	8p	C
14.08	0600-0715	G4BRK		26	27	4b	8p	C

NC: G8OPR 2x, DK2PH, OZ1EYN, PE1DGF

NIL:DK3FW, UD6DFD, G8LLJ, F5DE, EI0RTS

HRDon random: PA3BBV, GM5EHK, SM5CHK, SM7BAE, PA0CIS, SM6EAN,
SK4BX, SM4LMV, UA3LBO, F6EVT . SM6EOC

DK2LM (EJ21F) wkd MS:

13.2.82	0300-0450	LA9EM	EU	26	27	7b	10p	C
20.3.	0600-0735	SM3UL	IV	26	26	8	5	C
21.3.	0600-0800	LA8OW	EU	26	26	7	19	NC
16.4.	2200-2400	RQ2GGS	LQ	26	--	4	8	NC
20.4.	2000-2200	UQ2GCG	LR	26	26	9	15	C
13.5.	0900-1000	F6EOQ	YI	26	26	21	37	C
5.6.	0200-0325	SK7JD	IR	27	26	8	46	C
5.6.	0400-0520	SM2BAI	LZ	26	--	2	-	NC
6.6.	1000-1200	SK6HD	GS	26	27	16	39	C
7.6.	0400-0455	SM1BSA	JR	27	27	15	54	C
10.6.	0600-0654	C31YA	AC	27	26	10	32	C SSB
13.6.	0400-0600	YO7VS	LE	26	25	7	24	C
25.6.	0400-0515	UA2FAY	KO	26	27	9	14	C
5.7.	0000-0200	YO7VS/P	LF	26	23	7	29	C
12.7.	0400-0520	EA3LL	AB	27	26	16	63	C
13.7.	0000-0200	YU2CBM	ID	26	26	4	31	C

NIL: YU100, UK2RDX, UQ2GLO, UK3AAC, UT5DL, UP2BKH

Hrd RANDOM: LA8OW, G3AIR, SM7AED, OK2KZR, F6FHP, SM6EAN,

LA1K

OK3AU/P KJ77d Meteor Scatter Expedition to KJ-Square
operated by OK3AU and OLQWUW /soon of OK3AU/.

Rig: TX FT221+ PA 300 W out AER: 2x PA0MS 10 el.

Time	Call	Mode	Power	Notes	QAZ	N
10.8.82	1600-1800 DK1PZ	EL	NO QRV	BCE NOT EL POWER	AND	QAZ N
	1800-2000 DK6AS	FM	27 26	10b 7p max 1 s		NC
	2000-2140 SM3UL	IV	26 26	18b 23p	16	C
	2200-2222 OH5LK	NU	26 47	7b 14p	6	C
	2300-2400 DF6NA	EJ	26 27	7b 15p	2	C ?
11.8.	0000-0030 OZ1EYX	GQ	26 27	10b 16p	7	C
	0100-0140 OZ1PTU	GP	28 27	10b 27p	4,5	C
	0200-0225 PA0RDY	CM	27 27	25b 24p	18	C
	0225-0245 PA2VST	CM	38 37	mai mai	22	C
	0500-0700 SM5MIX	HS	hrd not			N
	0900-1000 UQ2GLO	KQ	hrd not			N
	1000-1045 OH7PI	NW	26 27	18b 27p	6	C
	1100-1200 LALK	FX	hrd not			C
	1200-1240 ILANP	EE	26 26	6b 17p	5	C
	1300-1340 PA3BBI	CM	27 37	8b 18p	23	C
	1400-1530 G3IMV	ZL	37 26	11b 23p	28	C
	1600-1630 F6CUG	BF	27 27	15b 27p	7	C QRS
	1800-1840 SM5CHK	HS	47 27	19b 29p	1 min	C
	2000-2100 OH5IY/4	NV	26 -	4b 27p	1,5 s	NC
	2200-2320 GM4COK	YP	26 27	12b 19p	35 sec	C
12.8.	0000-0100 DJ5BV	DK	38 36	23b 33p	22	C ? QRS
	0200-0300 SM3GHB	HW	27 37	8b 19p	13	C SSB
	0800-0900 GB2XM	XM	hrd not			N
	0900-0935 GJ4IGD	YJ	27 37	9b 6p	8	C MSB
	1000-1018 FLFHI	ZH	27 27	9b	10	C SSB
	1100-1200 FLFVP	ZF	not QRV	sri, not electr.pwr		N
	1205-1300 F5DE	AF	hrd not			N SSB
	1300-1400 GM8AFV	YP	hrd not			N SSB
	1400-1500 GM4CXM	XO	26 -	2b 1p	1,5	NC SSB
	1500-1600 IW2BNA	EP	26 -	3b 6p	4,5	NC SSB
	1600-1700 OZ9PW	EQ	not hrd			N SSB
	1800-1900 SM8BOG	YQ	hrd not			N SSB
	1900-2005 GW4LXO	YL	26 26	8b	27	C
	2005-2034 GJ8KNV	YJ	37 27	15b	48	C SSB
	2200-2218 ON6UG	EL	28 27	6b 39p	16	C
13.8.	0600-0740 EA3AIR	EB	26 26	9b 19p	7	C
	0800-0850 F6DWG	BJ	27 26	19b 25p	6	C
	1000-1100 HB9PUY	EF	hrd not			N SSB
	1300-1315 PA0BWL	CM	38 38	7b 12p	55	C
	1800-1825 PA0CIS	CM	38 27	12b 23p	25	C
	1920-1950 PA0NIE	CL	29 27	9b 17p	10	C SSB
	2000-2200 G3BW	YO	26 26	12b 4p	2	C
	2207-2230 SM0ERR	IT	39 26	mai mai	25	C
	2255-2310 SM5CHK	HS	39 37	mai mai	30	C
14.8.	0800-1000 G4DSC	ZO	26 26	6b 10p	1	C +

+QRM fm DK3FW

hrd: PA0OOM, LALK, SM3AFV, GM5EHK, G4ASR, YU7MAU,

OZLDOQ, RO5OAA, DL9GS, PA0RDY, OK1OA,

I was called many times for PA0OOM, DL9GS, SM3AFV and LALK but no success...

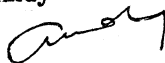
QSL via bureau or via direct to OK3AU + SASE

The next expedition to KJ77d shall be during Quadrantids 83....

OK3AU KI27h wkd on M/S

18.4.82	0600-0800	DF5DE	EK	27	26	11b	18p	max	35s	C
1.5.	0400-0600	F6EQQ	YI	26	-	2b	12p		1	NC
2.5.	0200-0400	ILANP	EE	26	26	19b	18p		5	C
3.5.	0200-0400	PA2GFL	DM	26	26	13b	27p		1,5	C
4.5.	0200-0400	LX1GR	DJ	26	26	9b	11p		3	C
5.5.	0000-0100	OZ1CFO	ER	hrd	not					N
	0300-0500	UD6DFD	YA	hrd	not					N
6.5.	0200-0400	RB5EIQ	RI	46	-	2b	7p		65	NC
8.5.	0200-0400	UB5IEP	TI	26	28	4b	16p		2,5	C
	0400-0540	UK5IEC	TI	26	28	3b	9p		5	C
11.5.	0300-0500	SM6EAN	FR	27	-	19b	27p		6	NC
13.5.	0300-0415	SM3COL	IW	27	27	18b	19p		9	C
14.5.	0300-0500	DK3FW	EM	26	26	8b	18p		2,5	NC
22.5.	0600-0725	11KTC	EF	27	26	9b	18p		1,5	C
	1400-1500	UK3AAC	SP	27	27	11b	12p		2,5	C
23.5.	0600-0800	DK3FW	EM	26	26	7b	21p		1,5	C
29.5.	0400-0600	LA9EM	EU	hrd	not					N
	0600-0730	FBOP	CG	26	26	18b	27p		6	C
	1300-1500	RB5LGX	RK	26	-	2b	9p		1	NC
	2100-2300	SMØEJY	IT	26	26	11b	17p		1,5	C
30.5.	0100-0300	RB5LGX	RK	26	27	20b	24p		2	C
	0300-0400	UY5OE	SK	26	27	12b	21p		3	C
	0500-0700	UB5LAK	SJ	26	26	6b	10p		1	NC
31.5.	0400-0600	GW4LXO	YL	hrd	not					N
3.6.	0400-0600	G4HIP	YM	hrd	not					N
8.6.	0200-0400	SM3GHB	HW	26	26	12b	16p		4	NC
	0500-0700	G3WZT	ZK	26	-	4b	17p		2	NC
22.7.	0300-0345	ON7EH	CK	27	27	7b	15p		3	C
24.7.	0400-0600	G8VR	AL	26	26	7b	16p		3,5	C
	0600-0700	G3OUL	XJ	hrd	not					N
	0700-0900	SM3UL	IV	vy	QRM	local	hrd	not		N
25.7.	0300-0400	OZ1ASL	EO	hrd	not					N
	0400-0600	OZ1DOQ	GP	hrd	not					N
	0600-0730	DL9GS	DL	26	26	28b	mni		0,7	C
27.7.	2000-2130	PA3CGR	DM	26	26	12b	34p		1	NC
	2200-2310	PEIGHV	DM	26	26	18b	21p		3	C
28.7.	0200-0330	DK1PZ	FL	hrd	not					N
29.7.	0300-0350	PAØCIS	CM	27	27	23b	46p		3,5	C
30.7.	0200-0400	UP2BJB	LP	26	26	37b	56p		2,5	C
31.7.	0500-0610	SM3UL	IV	26	26	9b	15p		3	C
1.8.	0300-0400	PE1BTX	CN	26	26	57b	mni		26	C
	0500-0610	OH5IY/4	NV	26	26	10b	17p		3	C
2.8.	0400-0430	DK1PZ	FL	26	26	14b	22p		2	C

73 Andy



IW2BNA / EF36b / wkd via MS in SSB

06.6.82 0600-0800 LA8OW EU 26 26 P. 28 b. 5 C 8s
 NIL/NG: 6/7/8/June 82 ON7RB PA3BBA G4AOE GI8YDZ LA6HL GJ4IGD OZIEME
 DKIPZ Y2JFG

25.7.82	0500-0600	PA4CIS	CM	26	-	10	I	NC
	0600-0700	PEIFMU	CM	28	26	8	4	C 3s
29.7.82	0500-0600	SM6CMU	FR	26	-	5	I	NC
09.8.82	0700-0800	SM7FJE	GQ	26	26	12	5	C 12s
10.8.82	2200-2244	SM6CMU	FR	26	26	7	5	C 3s
11.8.82	0200-0400	OH7UE	OW	-	-	-	-	NIL
	0400-0415	ON7EH	CK	26	36	-	2	C
	I000-I200	UW6MA	TH	-	-	I ?	-	NIL
	I200-I400	PA3AJG	DM	26	-	11	4	NC
	I500-I600	HG8ET	KG	-	-	-	-	NIL
	2000-2100	G4JQU	ZL	-	-	-	-	NIL
	2300-2400	OZIASL	FO	36	-	9	3	NC
12.8.82	0200-0300	Y2JFG	FM	26	-	3	I	NC
	0300-0324	G4IJE	AL	26	26	10	4	C 4s
	0600-0800	PEIBTX	CN	-	-	-	-	NIL
	0900-1000	PA3CGR	DM	26	26	12	6	C 4s
	I200-I230	GM5EHK	ZR	26	27	7	5	C 6s
	I500-I600	OK3KAG	KJ	-	-	-	-	NIL
13.8.82	0000-0052	GW8JLY	YL	37	26	15	6	C 9s
	0200-0400	UR2RGM	MT	26	-	3	I	NC
	0500-0600	SM5BEI	JU	26	26	10	5	C??
	++0600-0700	PEIEVX	CM	26	-	7	2	NC
	++0600-0800	Y2JFG	FM	-	-	-	-	NIL
	I400-I500	SK6HD	GS	-	-	5	-	NIL
	I900-2000	EA7AG	YW	-	-	-	-	NIL
	2000-2100	OL6BAB	IJ	26	-	5	I	NC
	2200-2400	GW4EAI	YL	-	-	-	-	NIL

++with PEIEVX was QRV a my friend in EF square with my call

HRD RANDOM: SM6AEK OZ2GZ LA9BMZ SM7ZA OZIELF G4EMJ DDØHR OZIFOP
 OKIONX???

XX

I am very interested in MS sked/SSB everytime

Send proposal to :

IW2BNA Rivolta Walter

Via Novella 3/C

20037 Paderno Dugnano

MILANO-ITALY

XX

YU3ES (GF39d) wkd MS:

28.11.81	0500-0535	G4IJE	AL	28	26	13b	13p	NC	4sec	
	0535-0730	G4IJE	AL	26	-	11	13	NC	8sec(RX 70 MHz)	
30.11.	0500-0610	G4MDZ	AL	27	26	17	24	C	8sec	
	0605-0645	G4IJE	AL	27	27	12	13	C	4sec	Random
1.12.	0500-0645	G4KWQ	YM	26	37	18	32	NC		
	0645-0720	G4IJE	AL	27	28	18	17	C	6sec	
11.12.	0300-0405	UA3RFS	UM	26	-	vy	weak	NC		
12.12.	0330-0430	LA3EQ	CS	37	37	27	16	C	5sec	Random
	0430-0535	G4KWQ	YM	27	26	19	14	C	3sec	
	0600-0710	G4DSC	ZO	26	-	4	1	NC	vy weak(RX 70MHz)	
	2200-2315	EI2CA	WM	27	26	8	5	C	2sec	
13.12.	0000-0040	UP2BJB	LP	37	37	15	14	C	10sec	Random
	0630-0830	UK3MAV	TS	26	-	2	8	NC		
	2100-2130	UK2RDX	MT	27	38			C		Random
	2200-2235	G4GZA	ZN	36	-	weak		NC		(RX on 70MHz)
14.12.	0005-0030	OZ9FW	GP	28	38			C		Random
	0030-0110	PAØRLS	CM	38	37			C		Random
	0200-0320	SM3AZV	IX	26	-			NC		
	0400-0505	OH4UC	NV	26	-	QRM		NC		
	0600-0635	G3OUL	YN	27	26			C	SSE	
	0725-0800	PA2REH	CM	37	37			C		Random
	2200-2240	G4KLX	ZN	26	26			C	SSB	
	2242-2253	G3UNU	ZM	47	37			C	SSB	Random
	2300-2318	PE1DGF	CL	27	37			C	SSB	
15.12.	0000-0040	UP2BJB	LP	27	28	many		C		
20.12.	0500-0635	G4BRK	ZM	27	26			C		
	0635-0725	G4IJE	AL	26	27			C		
22.12.	0300-0400	UA6YAF	TE	26	-		2	NC		
26.12.	0500-0700	G4IJE	AL	26	26	18	16	C	5sec	<u>25W both</u>
3. 1.82	0800-1000	UQ2GLO	KQ	27	27	22	14	C	9sec	
	1000-1030	EA1TH	YC	-	-	4	4	C	7sec	<u>gri-I didn't transmit-TV</u>
	1200-1300	F6DKQ	DE	27	-	QRM		NC		
4. 1.	0000-0100	LA1K	FX	26	-	QRM		NC		
	0120-0140	G3LTF	AL	28	26			C	20sec	Random SSB
	0205-0320	G4NFD		38	26	many		C		Random
24. 7.	0400-0445	UC2ACA	NN	27	-	13	5	NC	1sec	
29. 7.	0400-0440	UC2ACA	NN	27	25	19	10	C		
30. 7.	2330-2355	PAØRLS	CM	38	38	many		C		Random
31. 7.	0200-0300	UQ2GCG	LR	26	27	25	16	C	10sec	
6. 8.	0500-0555	GM8OEG	YQ	26	27	7	12	C	SSB	
	0600-0630	G4IJE	AL	27	26	20	23	C		
9. 8.	1000-1040	GM5EHK	ZR	26	27	28	18	C	2sec	
10. 8.	2300-2355	PA3CAP	CM	27	27	10	9	C	6sec	SSB
11. 8.	0800-0845	F1FVP	ZF	26	26	9	10	C	4sec	SSB
	1000-1100	F3ZZ	AG	37	26	4	9	C	10sec	SSB
	2300-2400	PA3GII	CL	27	-	8	4	NC		SSB
12. 8.	0000-0200	OY5NS	WW	26	27	10	16	NC	23sec!	
	0200-0229	GM4KUX/p	WR	27	26	6	4	C	30sec	SSB
	C244	G4BAH	AM	27	26	1		C	Rand.	SSB
	0253-0357	G8WRB		27	26			C	Random	SSB
	0406-0414	G4ASR	YM	36	36			C	Random	SSB
	0427-0436	G4DGF		37	38			C	Random	SSB
	0503	G8JHL		37	37			C	Random	SSB
	C516-C518	G8JIC		37	37			C	Random	SSB
	C700-0740	SM4KVV	HT	26	26	10		C	20sec	SSB

YU3ES (GF39d) via MS (Cont.):

12. 8.82	0800-0900	GM4IGS/p	YT	26	-	5	8	NC	4sec	
	1000-1110	SM3JAW	JX	26	-	2	2	NC	4sec	QRM
	2200-2300	GM5ENZ/p	WQ	27	-			NC		QRM
	2300-2320	GI4GVS	XO	37	26	8	4	C	10sec	SSB
	2344-2350	GM8NBC		26	26			C	Random	SSB
13. 8.	0003-0035	ON1IM	BL	26	26	11	6	C	3sec	SSB
	0152-0156	G4DEF		27	27			C	Random	SSB
	0200-0225	DE6DC	DL	26	26	6	6	C	15sec	SSB
	0225	DG1DJ	DL	27	27	1		C	15sec	SSB
	0230	F6EVT	BI	37	37	1		C	Random	SSB
	0231-0235	GM4COK	YP	27	37			C	Random	SSB
	0333-0335	F6EAN	AG	27	37			C	Random	SSB

73 and good bursts,

Stane

OKLIDK M/S - cont.

11.6.82	15.50/16.50	UK3AAC	27	26	5b3p	SP19e
14.6.	03.00/04.40	11ANP	27	26	8b20p	EE79b
19.6.	05.00/06.00	I6WJB	27	26	24b20p	HC42g
20.6.	04.00/04.38	EAJLL	26	26	9b7p	AB56b 4sec
	05.00/05.28	G8ECI	NIL-QRT			
21.6.	06.00/07.05	F6FHP	27	27	10b/1min	7sec
					AE21g	
	08.00/08.32	G8ECI	26	26	7b6p	1sec. AN48h
26.6.	06.00/07.50	CTLWW	26	26	14b20p	WB33b
28.6.	02.00/03.50	UB5IEP	26	26	7b10p	2sec. TI51c
	23.00/24.00	G4HUP	27	26	18b15p	2sec. YML0h
2.7.	10.30/12.40	F6KAW/EA6	26	26	70b9p	CZ01a
5.7.	13.00/13.45	C3LYQ	27	36	39b8p	8sec AC39e
	14.30/15.30	F6KAW/EA6	27	?	N.C.	36b9p!
6.7.	02.00/04.00	UB5IEP	26	26	5b7p	
10.7.	04.00/06.00	CN2BL	26	26	6b27p	YU77 C?
	06.45/07.15	F6FHP/p	28	27	MNI	5sec 883E09d
	23.00/23.25	GM3WCS	27	28	70b3p	14sec YQ73c
11.7.	06.00/08.00	UAJTCF	26	26	7b18p	N.C. WQ14a
14.7.	04.00/06.00	Y02IS/4	26	26	3b7p	QEO4g
19.7.	15.00/15.30	G3OUL/p	26	?	N.C.	9b11p XJC5h
22.7.	04.00/04.50	G3OUL/p	27	26	41b35p	XJO5h
	07.15/08.20	SM3COL	26	27	12b9p	I.06f
30.7.	04.00/05.20	GJ3YHU	NIL-	QRT?	YJ7Ch	
	06.00/07.20	SK3LH	27	27	10b9p	5sec JX54c
	09.23/09.33	SM7KNK	NIL			
31.7.	03.00/04.00	UC2ACA	26	26	3b7p	ON13c
1.8.	16.00/17.00	UK5IAZ	NIL			

cont.

OK 1 IDK /GJ36a,GJ28h/ Meteor Scatter report

5.8.82 00.31/01.30 C31ZG 27 27? 15b10p RANDOM C?
6.8. 20.00/21.05 OH4UC 26 27 11b3p NV17a
7.8. 07.00/07.07 FLEIT 27 27 3b4p 15sec YG10e
9.8. 06.00/06.45 GJ8KNV 27 26 25b30p YJ70c
18.00/20.00 UG6AD 26 N.C. 1b WA53j
10.8. GIEYDZ 18.00/19.45 26 N.C. 1b WP67h
20.00/21.05 OH4UC 27 27 6b3p max.5sec NV17a
22.00/22.50 I8TUS 27 27 11b36p IZ71j
11.8. 14.00/14.50 OH5iY/4 28 26 4b1p 5sec NV44c
15.00/16.00 YU6VHF 26 26?5b JB77?
16.00/17.35 UA6YAF 26 TN.C. 1b TE30h
18.00/19.50 UA9GL 26 TN.C. 3b CRO2h
20.00/22.00 UD6DFD 26 26 4b1p YA50h
12.8. 04.00/05.15 EA3AIR 47 36 10b20p 40sec.5341e
05.20/05.45 F1FVP 27 27 6b9p RANDOM ZF80j
06.00/08.00 UA1ZCL 26 26? 5b RC08c C?
08.00/09.00 LZ1AB 27 27 4b1p LC27d
09.00/09.35 GM5EHK NIL 3D Time?
10.00/12.00 UA3TCF 26 26 4b3p WQ14a
12.00/13.00 UA1ZCL NIL RC08c
16.00/16.30 TA5AJZ NIL EF???
17.00/18.40 UK5IAZ 26 26 4b2p SH10a
19.00/21.00 UA9GL 26 26? 3b1p C? CRO2h
21.00/21.18 EIØRTS 26 26 2b 4sec UN50b
22.00/22.45 R35LGX 27 27 7b4p RK50g
23.00/23.25 GM5EHK 38 27 5b2p 20sec 4R42h
23.27/23.45 G8JEL 27 26 RANDOM ??

cont.

USE FOR CW CQ CALL 144.050 MHZ

144 MHZ

DD Ø HR (FN21F) wkd via Aurora
on 144 Mhz in SSB:

820206						
1733	SM 1MKY	JR44g	52a	52a	10°	
47	SM1LPU	JR32g	56a	59a	10°	
52	SM4MNN	HT56c	54a	52a	10°	
820212						
0012	SM5HLP	IS21a	57a	52a	20°	
20	GM8DEG	YQ35e	57a	55a	20°	
820217						
1636	SM4LXZ	OT28f	51a	56a	0°	
820222						
1406	LA9PY	GU63j	54a	56a	0°	
13	SM2GWX	JR51f	54a	54a	0°	
19	SM7GWD	HT55c	53a	51a	0°	
1559	ØZ5NE	EQ70a	55a	55a	20°	
1745	LA2LJ	FT05f	52a	51a	0°	
1800	SM5HEQ	FT50f	54a	55a	0°	
04	SM5BCR	BS48c	53a	56a	0°	
08	SM7PMD	BQ 77	51a	51a	0°	
12	SM4LPO	IT68g	54a	56a	0°	
19	SM6NKC	IT69b	53a	52a	0°	
31	SM6PZD	PR30a	55a	55a	0°	
56	SM6KPJ	IS10a	54a	58a	0°	
1900	SM4RPO ?	JT51j	52a	55a	0°	
11	GM4QXP ?	YR37c ?	56a	54a	0°	
2300	LA5IE	CU47j	54a	52a	350°	

820302						
1259	LA9BM	ZU32g	55a	54a	10°	
1303	SM4MNN	HT56c	54a	54a	10°	
07	SM6LIP	GR08j	53a	56a	10°	
11	SK Ø LM	IT60c	54a	55a	10°	
38	GM8NXC	YR78a	53a	52a	10°	
1452	G 8 RKP	AL45f	55a	53a	10°	
1517	DB6DC	DL57e	56a	55a	20°	
21	FE1AGJ	DK01f	59a	59a	30°	

tk's fer info

OG 4 NAE (EJ Ø6 a) wkd via
Aurora on 144 Mhz in SSB:

820302
0106 GM 8 MBP YR60e 55A 56A
27 GM 8 DEG YQ35e 57A 55A
30 GM 8 OFX YR78a 57A 51A

QTF 20°

Tremendous night-opening,
but only 6 stns heard in
SSB (which was still going
strong); first A-sigs heard
at 23.30, last sigs at 0240.

tk's fer info

DF 2 ZC/p (EO 29 h) wkd via Aurora
on 144 Mhz in cw:

820410						
1522	ØZ 1 ØØQ	GP 34 h	55A	59A	033	
23	SM 6 FKF	GS 78 f	53A	55A	"	
26	SM 4 ØHB	GT 48 e	33A	56A	"	
38	GM 4 EZJ	NC	55A	?	"	
39	ØH 7 PI	NW 70 f	51A	55A	"	
44	ØH 5 NW	NU 13 e	55A	56A	ØØØ	
48	UK 2 RDX	MT 35 g	43A	57A	"	
49	LA 8 SJ	DU 62 g	54A	59A	"	
53	ØH 1 DP	LU 42 e	55A	55A	"	
54	ØH 2 BDF	MU 65 g	56A	57A	"	
56	SK 7 JO	IR 14 f	58A	57A	"	
1601	ØH 1 EQ	LV 12 c	53A	55A	"	
06	G 6 GN	YL 48 f	31A	56A	025	
07	SM 7 LZQ/7	HR Ø3 a	59A	55A	"	
10	SM Ø IOT	JT 51 f	59A	59A	"	
11	SM 5 ØVV	IU 67 g	57A	59A	"	
13	UR 2 RGM	MT 44 f	56A	57A	"	
14	SM 6 DPF	FS 29 d	53A	56A	"	
16	LA 7 XK	FT Ø5 a	55A	55A	"	
18	SM 5 KX	IT 33 a	59A	56A	"	
20	SM 3 KIF	IU 33 a	56A	57A	"	
22	SM 5 CFS	JT 24 j	52A	57A	"	
24	OK 1 AØF/p	GK 62 h	55A	54A	"	
29	ØF 5 DE	EK Ø2 h	53A	53A	"	
30	DK 3 IK	ØJ 55 f	53A	55A	"	
31	LA 3 UL	FT 78 h	59A	59A	"	
39	UR 2 RMN	LS Ø5 c	53A	57A	030	
44	F 6 DWG	BJ 41 j	54A	59A	"	
46	F 6 KBF	BI Ø1 j	54A	52A	"	
48	HG 1 YA	IH 63 b	53A	55A	035	
50	DL 2 OM	DK 48 d	55A	53A	"	
51	SM 5 BJU	JT 49 b	53A	53A	"	
54	SM 6 DEC	HS 33 g	58A	59A	030	
55	SM 4 MI	GT 38 e	59A	59A	"	
56	SM 7 EMQ	GP 46 g	57A	59A	"	
57	SM 6 EAT	GR 38 h	55A	57A	"	
1700	G 4 IGO	YL 38 f	55A	56A	025	
06	G 4 JJB	ZØ 34 d	54A	58A	"	
09	SM 5 AYY	Ljungs b.	57A	59A	"	
13	ØH 7 RJ	NW Ø9 f	52A	53A	025	
19	UA 3 MBJ	SS 78 e	53A	54A	035	
28	ØH 3 MF	MU 23 j	55A	55A	"	
31	ØH 5 LK	NU 37 g	55A	59A	"	

DF22C/p (E029h) contd.

820410

1733 OH6CY	MW7øg	53a	55a	030	1828 Y22QG	FM68d	53a	?	335
53 UQ2NX	MR43f	53a	55a	025	35 OH1QY	LU51c	55a	53a	355
1801 RR2TEJ	NT71a	53a	55a	030	38 OH1YP	LU74f	52a	55a	"
15 OH3ZS	MU	53a	57a	030	41 UR2RRJ	MT44g	54a	56a	"
28 SM5ELFP	HT5øe	57a	59a	335					

tk's fer info, dr Bernd

DF9CY (ELø2e) wkd via Aurora on 144 MHz in cw:

810307

1655 LA8AK US8øg 53a 54a

810419

1626 SM5BEI JU72c 59a 42a 015
 32 SM4GGC GT8øc 55a 57a "
 35 SM5CHK HS36j 54a 55a "
 47 SM4IJE HT56d 52a 53a 000

810420

1652 LA8SJ FTø5j 53a 54a
 1707 SMøHAX JT51b 53a 53a
 2255 SMøHAX JT51b 55a 54a

820206

1607 SM4GVF HT76a 53a 44a 000
 15 LA7KB FS62j 51a 53a "
 33 GM4COK YPø4b 53a 52a 010
 47 SMøCGL JT62e 52a 51a 355
 53 SM4COK HT56c 54a 54a 000
 56 GM4IAC YR47h 51a 51a "
 1713 GM4ITK/a YR8øj 58a 53a "
 28 GM3WCG YQ73c 56a 55a 030
 33 SM6EAN FR4øj 44a 57a 020
 37 LA6CU CU47j 53a 55a 030
 45 LA5IH CU47j 52a 52a 020
 48 SM7CMC HQ73d 53a 55a 020

820213

1747 GM4CXM XPø9g 53a 55a 015
 54 SMøEJY IT69g 56a 59a "

820222

1546 LA9FY EU36j 53a 55a 010
 55 OZ1CLL GP23c 54a 55a 030
 59 OZ1FDH GP22c 53a 53a 045
 1603 LA3SU FT12g 54a 57a 010
 07 SM6JWH GQ26g 53a 53a 030
 27 GM3WCS YQ73c 57a 55a 018
 58 LA2HC FT56c 41a 52a 000
 1813 UR2RQT MS8øe 53a 55a 010
 15 GM3JFG XR3øb 59a 53a "
 27 LA9CM FT72h 53a 55a 000
 34 OHøJN KU71j 55a 55a "
 37 SM4AIQ HT51j 59a 57a 005
 38 LA8AJ FTø5j 53a 55a "
 45 LA3UL FT78h 54a 55a "
 1909 UR2CQ MS53a 53a 55a 025

820222

1914 UQ2GFZ NR57a 54a 55a 030

820301

1504 LA9FY EU36j 52a 51a 005
 07 DF1EF DL44h 52a 55a "
 09 G4MEJ ZM67e 57a 55a "
 12 OZ1FGP EQ68a 56a 57a 015
 14 G3JXN ZL39e 53a 55a "
 16 SM5HL HS21g 57a 57a "
 24 SM5IXE IS21c 51a 55a 020
 26 OZ1BP0 ER49j 54a 54a "
 37 GW3LDW YN76g 53a 52a "
 39 SM6BZE GS52e 58a 57a "
 47 UA3L80 QO21h 53a hrd "
 53 OZ1BOK GP21d 52a 52a "
 2223 SM4KVM HT56d 55a 53a 015
 25 SMøUCX IT7øb 54a 57a "
 33 SM5CNQ HS46c 59a 59a "
 36 LA3UL FT78h 55a 56a 030
 37 SM5CBN HS56c 54a 59a 030
 46 OZ60L FP5øe 57a 55a 040
 2311 LA5LBA FT78a 53a 55a "
 15 UA3L80 QO21h 55a 59a "
 22 GM3WYL XP1øg 52a 59a 030
 27 G4CDC ZN37c 59a 59a "
 30 G8VHB ZN44j 59a 55a "
 32 GI8UPV XO31g 59a 59a "
 35 SM6AEK GQ25b 59a 59a "
 37 G4HOZ YP77d 58a 561!030
 42 G4IFX YN57j 41a 51a "
 45 G3WZT ZKø9j 55a 55a "
 52 G4OHF ZM19f 53a 53a "

820302

0026 SMøHAX JT51b 57a 57a 010
 35 LA5BT FTø4c 55a 56a "
 41 LA7KK FU62j 53a 53a "
 49 GM4CXM XPø9g 51a 51a "
 53 SM7KUG HR46j 54a 54a "
 0114 GM4COX YP21j 59a 55a 030
 24 OZ1FTW EQø4h 57a 55a "
 29 GM8OFX YR78a 58a 58a "

820409

1525 SK6HD GS68j 53a 52a 030
 29 SM5MIX HS66g 53a 53a "

DF9CY (ELØ2e) contd.

1537 GM4IAO YR47h 53a 53a 030
 1621 SM4GFV HT76a 54a 55a "

tk's fer info, dr Chris

DF9PY/p in DK64b via Aurora:

22.10.81:	1806	DJ9YE	EN14a	52A	54A	wkd	CW	425km
	1826	G4KLN	ZN23a	55A	52A	wkd	CW	686km
22.2.82	1635	GM3WCS	YQ73c		51A	hrd	CW	
	1820	SM4COK	HT56c		52A	hrd	CW	
	1822	GM3WCS	YQ73c		51A	hrd	CW	
	1826	SM4FXR			52A	hrd	CW	
	1835	SM5DFF			53A	hrd	CW	
	1840	SM4AIQ	HT51j		55A	hrd	CW	
	1858	GM3JIJ			55A	hrd	CW	
	1905	SM5IDM			54A	hrd	CW	
	1908	SM6CMU	FR5Øb	55A	56A	wkd	CW	875km
	1915	OZ4VV	EQ17a		52A	hrd	CW	
10.4.82	1642	GI5MPS	WO48c	52A	52A	wkd	SSB	1009km
	1654	GM4EZJ			51A	hrd	CW	
	1703	G3BW	YO33g		52A	hrd	CW	
	1712	GM8MNG	YP16h	57A	52A	wkd	SSB	901km
	1718	GM4BYF	YPØ4d		52A	hrd	CW	
	1720	GM3WCS	YQ73c		53A	hrd	CW	
	1722	GM4JJJ	YQ73h		52A	hrd	CW	
	1724	GM4CXM	XPØ9g		55A	hrd	CW	
	1730	GM8OFV	YIØ5g		52A	hrd	SSB	
	1753	OZ1DFR	EP54e		51A	hrd	CW	

DF2FP in DK64b via Aurora:

10.4.82	1519	GM8BDX	YP19e		41A	hrd	SSB	
	1550	GM2ZXE				hrd	CW	
	1600	GM8OFV	YIØ5g		53A	hrd	SSB	
	1626	GI8UIV	XO31g	58A	52A	wkd	SSB	987km
	1642	GI5MPS	WO48c	52A	52A	wkd	SSB	1009km
	1713	GM8MNG	YI16h	58A	52A	wkd	SSB	901km

tk's fer info, dr Stefan

DK3UZ (EN20c) wkd via Aurora on 144 MHz in cw:

820321	1525	1528	SMØMEM	JT51b	52a	52a	20
	1534	1539	OHIAJ	LU41c	31a	35a	20
	1541	1545	OH3RW	MU24b	41a	42a	350
	1547	1552	SM3JSE	IV11c	41a	52a	0
	1600	1603	LA8SJ	FT05j	56a	57a	20
	1608	1610	SM4GVF	HT76a	57a	57a	330
	1614	1617	LA7KK	FU62j	55a	53a	340
	1625	1631	LA6CU	CU47j	55a	57a	10
820402	1604	1605	SM5LNS	HT18c	55a	55a	15
	1606	1609	OH1YP	LU74g	53a	55a	20
	1609	1611	OHIAJ	LU41c	53a	57a	20
	1611	1615	OH5LK	NU37g	55a	59a	0
	1616	1621	UA3LBO	QO21h	58a	53a	40
	1658	1700	G4KLN	ZN23a	55a	55a	10
	1702	1702	GM4CXP	YP37c	55a	56a	10
820403	1452	1453	SMØLJF	IT68g	53a	55a	20
	1509	1511	SM5CBN	HS56c	52a	59a	20
	1511	1514	SMØNBj	JT42a	52a	51a	20
	1521	1524	SM4KYN	HT51j	55a	56a	20
	1524	1527	SM4JEW	GT59b	52a	55a	20
	1528	1531	OH3AWH	LV50b	55a	52a	0
	1531	1534	LA7XK	FT05a	56a	55a	0
	1537	1540	SM3KIF	IU33a	54a	56a	20
	1557	1559	LA6QBA	GV41e	57a	59a	0
	1610	1614	OH3MF	MU23j	52a	54a	0
	1626	1633	LA8AK	DS80b	57a	58a	10
	1726	1728	OH2MQ	MU24f	51a	54a	350
	1732	1732	OHØJN	KU71j	59a	59a	340
820410	1457	1458	UC2ABN	NN18e	52a	58a	45
	2205	2206	SM5IXE	IS21c	56a	56a	30
	2211	2212	SM6ADW	GS52e	56a	55a	40
	2244	2246	GM4JEJ	YQ38g	56a	55a	330
	2349	2351	LA8OW	EU31g	53a	53a	0
820527	1520	1522	GM3XOQ/A	ZT04d	55a	55a	340
820528	1525	1527	LA1GCA	CU38e	54a	55a	0

hrd 820403

PAØOOM, OHIPS, SMØKCR, SM7LMX, SMØNBj, OZ1CLL, SKØBU, SM4KYN, LA7KK, SMØIOT, LA6QBA, OZ1EYX, OZ1LO, SM4GVF, SM5EFP, SM5LNS, OZ4VV, OZ2ZB, SM5CNS, OZ1EYE, GM4JEJ, LA5BT, LA8AK, SK6HD, LA5IH, OHØJN, SM4IVE, SM5MIX, OH1YP, SM6CMU, SM5BEI, SM4AIQ, G3POI, OZ6OL, OHIAJ, GM4CXP, LA8OW, SM5CFS, G3UNU, SM4CFL, SM5CIK.

hrd 820527

LA9FY, LA6CU, SM5FND, SM5CNQ, LA9BM, SMØDCX. tks fer info,
dr Eddi

DKØIK/p (D07Øj) -Op. DJ9BV- wkd via Aurora on 144 MHz in cw:
820503

GMT	CALL	RST	RST	GTH	KM
1632	SM6CMU	56A	57A	FR30B	445
1632	LA7KK	56A	57A	FU62J	683
1634	LA8UU	55A	56A	FT05H	668
1635	LA8SJ	59A	59A	FT05J	664
1636	LA5IH	55A	57A	CU37J	726
1636	SM3KWU	52A	59A	IT34H	801
1636	ØH1AJ	52A	57A	LU41C	1097
1640	SM5AYY	51A	53A	HS38E	671
1642	LA9UX	59A	59A	FU76F	675
1643	LA9FY	59A	55A	EU36J	712
1644	SM6EAN	59A	59A	FR30B	468
1645	SM5CBN	56A	59A	HS63E	600
1645	LA9BM	55A	53A	EU32Q	709
1646	SM5MIX	56A	59A	HS66Q	626
1647	LA2PT	59A	59A	FT13B	650
1648	SM5EFP	55A	58A	HT50E	756
1650	LA1AV	59A	59A	FT13B	650
1651	LA2UJ	57A	59A	FT43E	600
1651	LA6QBA	59A	55A	FT05C	666
1653	ØZ1CLL	55A	57A	GP23C	341
1654	SM1BSA	52A	54A	JR22E	752
1655	ØZ8SL	559	56A	GP31E	307
1659	SM4KVM	57A	55A	HS36B	644
1700	SM4KYN	55A	55A	HT51J	683
1702	SM6CIX	55A	53A	FS06C	565
1702	ØZ4VV	59A	59A	EQ17A	309
1703	SM4LMV	55A	54A	HT57G	723
1704	SM4FXR	55A	54A	HT57G	723
1706	RØ2ØØV	51A	51A	LR74E	979
1708	G3UVR	52A	45A	YN55J	729
1714	ØM4CXP	52A	54A	YP37C	690
1717	ØZ1FTU	55A	55A	GP23H	336
1732	LA6CU	51A	53A	CS47J	499

QTF 20°

tk's fer info,
dr Rainer

G-15556 (ZN13g) hrd via Aurora on 144 MHz:

811020				811022			
1534	PE1BTX	CN75f	55A SSB	045	1341	ØZ1EKI	EP49h 55A CW 050
36	ØL4BAB		54A	" "	1401	PA3AQN	CM63g 57A SSB "
40	ØF9JT		51A	" "	1415	PA3AJG	DM33j 54A " "
42	E18AAB	WM1Øb	41A	" "	16	ØZ9PW	EQ 43A " "
1601	ØZ1FDH	GP22c	42A	" "	19	ØC4LM	ENØ6j 58A " 060
1711	PAØCSL	CM63d	57A CW	050	23	PAØBLD	CM55j 56A " "
18	SM6AEK	GQ25b	55A	" "	27	ØB7XØ	DM46j 58A " "
21	E19Q	WM65d	59A	" 040	32	PE1FTW	DM65b 55A " "
44	PAØFTF	CK1Øe	58A	" "	45	PE1CJV	52A " 065
47	PA2HJK		57A	" "	47	PA3AØU	DN63g 58A CW "
48	PE1FTW	DM65b	58A SSB	"	49	ØB1BP	DN36b 59A SSB "
1823	GM6CFN	XR3Øg	56A	" 035	50	PAØJTD	CLØ3g 57A " "
28	F1FHI	ZH63d	57A	" 025	52	PAØRDY	CM45e 58A CW "
1906	E14AEB	WN49g	57A	" 350	58	PEØHND	56A SSB 070

Last sigs at abt 2000 UT

LA9BM (EU32g) contd.

820204 cont.

1955	DF5BL	DM37D	55A	53A
58	GM4IAO	YR47H	57A	55A
2000	G4ANT	AM28C	55A	56A
03	DL8HAV	EN20E	52A	51A
07	G4KGV	Z034F	51A	55A
17	LA5FH	FT71G	51A	52A
40	GM4ZXE	YQ25G	52A	52A
45	G3ZRS	ZN08F	52A	54A
2153	SM3GHD	GW70E	52A	44A

820205

1651	OH4UC	NV17A	55A	57A
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820206

1540	SM4JEV	HT69E	52A	53A
44	OH6MY	KX57A	53A	43A
55	GM4COK	YP04D	58A	57A
1600	PA0RDY	CM44C	53A	53A
08	UR2AO	MT54H	54A	57A
12	G4DSC	Z063E	52A	52A
27	GM3JIJ	WS69G	55A	56A
30	PA0KDV	DN71F	54A	52A
35	GM4EZJ	YP05C	52A	53A
44	SM6EAT	GR48H	52A	52A
49	G4GZA	ZN47C	54A	54A
1700	LA5LH	CU47J	57A	55A
03	GM0MBP	YR60E	59A	59A
09	G8PWX	ZP73D	55A	52A
10	G8PNN	ZP52D	57A	57A
20	G18YDZ	WP67G	55A	55A
23	G18UPV	XO31G	53A	57A
28	GM3WML	XQ19J	53A	57A
35	GM4HPF	KR?	53A	?
40	PE1DAB	CN68F	57A	59A
50	PA3AQN	CM63G	56A	55A

820210

1500	PA0RSR	DM05B	52A	52A
16	PA0AOU	DN63G	54A	55A
36	UQ2GFZ	NR57A	52A	55A
53	SM6FRS	GQ14J	54A	52A
57	DG9BXS	EN73C	52A	53A
1600	OZ1HNE	FR13J	59A	59A
03	DD8HG	FN05G	55A	55A
54	Y22QG	FM79H	52A	52A
58	PE1FMG	DN75A	55A	53A
1702	PA2VST	CM24J	57A	54A

820211

1432	UP2BFR	LP29B	57A	57A
38	OH1DM	KV50H	54A	57A
47	OH3RW	MU24B	55A	55A
1506	SM7LMN	HP31D	55A	55A
21	OH3OZ	MU24B	53A	53A
35	SL0EG/3	GX38C	53A	53A
2150	OH1DP	LU42J	56A	57A
2210	SM3BCZ	IV53G	53A	55A
15	SM5HL	IS21D	55A	59A
17	UR2RFY	MS43E	55A	55A

820213

1747	OZ1DPR	EP54E	59A	58A
48	DC7MH	GM37B	57A	55A
50	DC7KH	GM47J	57A	59A
53	OZ1GDZ	FQ71A	57A	56A
54	SM5JMP	HS49F	55A	59A
56	Y23BD	GM05F	58A	59A
1802	G4KLN	ZN23A	54A	55A
1916	G14BXX	XO33J	57A	57A
27	GM4IAO	YR47H	52A	51A
38	GM3XOQ	XP37A	51A	51A
2120	DJ0PV	EN40J	53A	53A
21	LA5ET	ET29G	54A	56A
33	GM4JLY	YR80A	56A	56A
38	GM4CXM	XP09G	54A	54A

820214

1808	DL9HAS	FN05F	54A	55A
12	G4ERG	ZN28B	53A	53A
15	GM3BGE	YR59J	52A	53A
17	G41GT	ZO22J	53A	53A
54	G41GZ	YN19G	56A	52A
57	G3BW	YO33G	57A	56A
1901	GM4XOQ	XP37A	51A	51A
03	E1?CL	WN60G	51A	53A
08	GW3LDH	YN70G	52A	51A

820215

1519	OZ1FDJ/LA	FV32J	52A	53A
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DK1VI (EJ54f) wkd via Aurora on 144 MHz in cw:

820410

1651 DL6FAW/p E025d 55a 57a 020

Hrd: DF2ZC/p-GM4CXM-GM4JJJ-OZ5NM-SM6AEK

tk's fer info, dr Ernst

DK3IK (DJ55f) wkd via Aurora in cw on 144 MHz:

10.04.82	15.50	gmt	GM4BYF	52a	hrd	0°	cw	YPo4d
"	.55	"	GM4EZJ	41a	"	"	"	YPo5c
"	16.06	"	OZ1CLL	41a	55a	"	"	GP23c
"	.09	"	DF2ZC/p	41a	hrd	"	"	E029h
"	.17	"	G4KLN	54a	"	"	"	ZN23a
"	.24	"	G4DEE	54a	52a	"	"	YN39b
"	.28	"	GM4JJJ	41a	52a	"	"	YQ73d
"	.31	"	DF2ZC/p	55a	53a	"	"	E029h
"	.34	"	PA3AMF	52a	hrd	"	"	
"	.37	"	GW3LDH	51a	52a	"	"	YN76g
"	.45	"	OZ3ZW	52a	52a	"	"	FO18e
"	.48	"	G4KLN	52a	53a	"	"	ZN23a
"	.58	"	G4DSC	51a	hrd	"	"	Z063e
"	17.15	"	GM3WCS	52a	"	"	"	YQ73c
"	.25	"	G3BW	51a	"	"	"	YO33g
"	.52	"	GI4GVS	51a	"	355°	"	X021b
"	.53	"	GM4BYF	51a	"	"	"	YPo4d
"	.54	"	GM4CXM	51a	"	"	"	XPo9g
"	22.20	"	GM4JEJ	41a	"	350°	"	YQ3
"	.28	"	OZ4VV	52a	"	"	"	EQ17a
"	.30	"	OZ3GW	41a	"	"	"	FQ21a
"	.37	"	GM4BYF	53a	"	"	"	YPo4d
"	.38	"	OZ9FW	51a	"	"	"	GP31b
"	.40	"	GM4CXM	54a	"	"	"	XPo9g

tk's fer info, dr Volker

DL20M (DK48d) wkd via Aurora on 144 MHz in cw:

820402

1650 GM4CXM XPø9g 55a 55a 000 1656 GM4CXP YP37c 52a 55a 0°

820410

1520 SM6AEK GQ25b 55a 56a 010 1649 DF2ZC/p E029h 53a 55a 0°

tk's fer info, dr Roland

LA98M (EU32g) contd.

820217
 1600 UR2QA NS73A 54A 54A
 01 UQ2GFZ NR57A 54A 54A
 10 LA9JR FX26C 58A 56A
 13 G4DSC Z063E 53A 51A
 23 SM3KJO JW02A 54A 56A
 43 GM3WGS YQ73C 56A 56A
 1750 PA3BLW DM14B 53A 54A
 51 G3LQR AM67B 55A 52A
 2122 OH5IY NU03D 53A 56A

tk's fer info, dr Leif

820222

1444 UR2RIX MS04B 52A 53A
 47 UR2RER MT54D 52A 55A
 50 UC2ABT NN18A 51A 55A
 59 OH1YP LU74G 55A 55A
 1525 OH3TR LV50G 41A 55A
 41 OH3MF MU23J 53A 54A
 47 G3JQJ ZN23A 53A 55A
 54 G41YA AL43F 52A hrd
 1608 G3UNU ZM04C 53A 51A
 1727 PA0PKD DN64H 54A 53A
 1810 PE1GHP DM66F 53A 59A
 1923 LA4QI EV75B 54A 57A
 42 G41JE AL12G 52A 42A
 45 G3LTF AL11D 55A 55A
 2208 G4DHF ZM19F 53A 52A

OK10IG (HK41f) wkd via Aurora on 144 MHz in cw:

82 02 06	1738	OZ1FTW	53A / 54A	GP	0
	1753	SM7BYB	59A / 58A	HQ 21 a	0
	1756	OZ3ZW	59A / 51A	FO 18 c	356
	1800	SM7LSU	55A / 55A	HR 50 h	356
	1831	SM7WT	55A / 54A	GP 27 s	348
	1935	GM3WGS	58A hrd	YQ 73 c	348
	1843	SM6AKK	55A / 52A	GQ 25 b	0
82 03 01	1538	OZ1FTU	55A / 56A	GP 23 h	0
	1538	OZ4VV	59A / 57A	HQ 17 a	5
	1538	OZ1CLL	55A / 55A	GP 23 c	5
	1540	SM6BZE	54A hrd	OS	5
	1544	OZ1FDH	55A / 52A	GP 22 c	350
	1545	SM6NKT	53A hrd	GR	350
	1548	SM6AKK	58A / 53A	GQ 25 b	350
	1550	GM3WGS	56A hrd	YQ 73 c	345
	1558	OZ3ZW	55A hrd	FO 18 c	340
82 03 03	1840	OZ4VV	55A / 52A	HQ 17 a	2
	1844	SM4JEU	52A hrd	YQ	0
	1845	OZ1ABL	55A hrd		0
	1846	OZ1BIZ	53A hrd		0
	1848	SM6AKK	58A / 54A	GQ 25 b	354
	1311	SM7BYB	53A hrd	HQ 31 a	0
	1316	OZ1FDH	53A hrd	GP 22 c	0
	1323	OZ1BJO	58A hrd		350
	1324	GM3WGS	54A hrd	YQ 73 c	350
	1351	SM6NKT	53A hrd	GS	350
	1415	OZ1FGW ?	51A hrd		0
	1448	OZ1ABK	57A / 54A	GP 12 j	0
	1454	OZ1FGP	53A / 51A	HQ 68 a	0
	1458	SM7KUG	53A / 52A	HR 46 j	358
	1501	SM7BYB	55A / 55A	HQ 21 a	358
	1507	SM7DLZ	58A / 55A	IQ 53 h	358
	1513	UQ2GLO	53A / hrd	KQ 49 j	10
	1555	OZ1FDH	53A hrd	GP 22 c	10

OK1DIG (HK41f) contd.

82 04 10	1515	8M3AEX	57A / 54A	GQ 25 b	0
	1521	8M3JWH	57A / 52A	GQ 26 g	20
	1525	8M3AFH	58A hrd	GQ 25 c	20
	1526	OZ1EYX	57A hrd	GQ 73 h	20
	1529	OZ9FW	57A / 53A	EQ 27 j	20
	1534	OZ1DOQ	56A hrd	GP	20
	1536	OZ1FTU	56A / 55A	GP 23 h	10
	1540	8M7BEP	54A hrd		0
	1544	UQ3GLO	53A hrd	KQ49 j	0
	1549	OZ1OTG	59A hrd	ER 79 j	10
	1558	8M6XOC	57A hrd		10
	1558	8M5DRV	54A hrd	HR 06 e	10
	1559	8M7DZD	55A / 55A	HR 25 e	15
	1603	8M7LGD	55A hrd		15
	1605	OZ1DOQ	56A / 54A	GP 34 h	15
	1610	OZ2ZB	58A hrd		15
	1612	8M7LHI	53A hrd		0
	1614	UP2BJB	54A hrd	LP 06 d	0
	1618	8M6NIX	57A hrd	HS 66 g	0
	1624	OZ4VV	59A / 59A	EQ 17 a	0
	1630	DF3ZG/P	57A hrd	EO	0
	1640	8M7LAD	55A / 53A	GP 48 a	0
	1650	GM3WOB	54A hrd	YQ 73 c	350
	1700	OZ1CLL	55A hrd	GP	350
	1749	8M6CMU	57A / 55A	FR 50 B	350
	1753	UQ3GLO	55A hrd	KQ 49 j	340
	1754	UR3RQT	53A hrd	MS 80 e	340
	1803	DK1KO	53A hrd	FN 12 g	340
	1811	UP3BDZ	55A hrd	LQ 75 c	340
	1840	8M3AEX	53A hrd	GQ 25 b	0
	2232	OZ4VV	59A / 57A	EQ 17 a	345
	2236	8M6CMU	56A / 55A	FR 40 b	345
	2240	LASAX	58A / 53A	DB 80 b	340

tk's fer info, dr Dan

ON4YZ (CK53e) wk'd via Aurora on 144 MHz in cw:

810823			820211		
1524 SM4IAO	GR46h	52a 51a 025	1458 OZ4VV	EQ17a	52a 53a 028
820131			1502 GM4COK	YPØ4b	53a 52a 020
1450 OH5LU	NU42c	52a 52a 015	18 SM6AEN	FR3Øj	53a 53a "
820210			22 GM3AEC	YQ65f	51a 53a "
1513 GM4CXM	XP19g	53a 53a 022	31 GM4CXM	XPØ9g	52a 56a "
16 GM4COK	YPØ4b	52a 52a "	820212		
1604 OZ4VV	EQ17a	52a 53a 028	2248 OZ4VV	EQ17a	52a 51a 028
28 SM7GWU	HS75c	51a 53a 019	2357 GM3ZXE	YQ35g	53a 54a 335
37 GI4GVS	XO11b	54a 53a 018	820213		
44 GM4DJS	YP11e	51a 54a 026	0008 SMØHAX	IT41b	51a 55a 350
Hrd UC- and UR-stns.			820217		
			1726 GM3WCS	YQ73c	55a 53a 022
			1751 GM4CXM	YPØ9g	53a 52a 030

ON4YZ (CK53e) contd.

QTF +/- 2°

820302				1508	OZ1BOK	GP21d	54a	54a	035
1240	OZ4VV	EQ17a	55a 55a	030	1) 16	OZ2ZW	F018e	52a	55a 035 ²⁾
48	OZ1DFJ	EP25h	54a 53a	038	18	G4DEZ	AL35g	55a	52a 040
51	OZ1FGP	EQ68a	52a 54a	"	34	G3JQJ	ZN23a	55a	55a 030
56	SM7LAD	GP53a	41a 54a	042	38	OZ1GRS	EP40a	51a	53a 040
1313	SM6AEK	EQ25b	54a 53a	035	44	GM4JEF	YQ38g	55a	54a 030
19	OZ1DOQ	GP34h	52a 55a	035	58	GM4CXM	XP09g	52a	52a 025
24	OZ1BIZ	?	55a 52a	032	1) rcvd	60°	2) rcvd	70°	
33	GM3WCS	YQ73c	57a 56a	035	820403				
1418	OZ1ABE	?	54a 54a	035	1542	F 6CCH	ZG11a	54a	52a 010
39	GM4JEJ	YQ38g	55a 54a	020	55	SM4GVF	HT76a	55a	54a 002
44	GM3AEY	YQ65f	52a 53a	015	1710	LA8AK	DS80b	52a	55a 020
49	OZ1FDS	GP22b	55a 55a	030	12	SM4AIQ	HT51j	54a	53a 038
52	G3ZXZ	ZN23f	55a 57a	030	1804	GM4ILS	YR24e	52a	52a 010
56	GM4COK	YP35a	52a 53a	020	Hrd:	GM4IAO, GM4CXM, HB9AEN/p(DG)			
57	OZ4MM	FP54a	55a 56a	028	tk	fer	info,	dr	Paul
59	G8JO	Z003b	51a 52a	030					

OZ1FDJ/LA (FV32j) wkd via Aurora on 144 MHz:

820214				1809	SM3FSK	59a	59a	IV53g
1745	LA9BM	56a	55a	EU32g	1810	SMODCX	59a	59a IT70b
1749	OZ1FDH	55a	55a	GP22c	1816	OZ1DOQ	53a	54a GP34h
1752	DK1KO	55a	57a	FN12g	1831	LA8SJ	55a	56a FT05j
1756	OZ1EYX	55a	56a	QK73h	1834	OZ1AUX	53a	51a FP30h
1757	DK3UZ	59a	56a	EN20c	1840	LA8OW	53a	55a FT05j
1759	OZ4VV	55a	55a	EQ17e	1845	SM3AKW	55a	56a IW30e
1801	OZ1OF	55a	55a	EQ78b	1850	SM6JWH	55a	52a GQ26g
1803	OZ4MM	53a	54a	FP53a	1856	SM5CNQ	55a	55a HS46c
1804	SM6EOC	53a	53a	GQ25f	1955	SM2DXH	53a	55a KX11a
1805	OZ1ASL	53a	51a	F018c				
1809	OH2BBf	59a	59a	LT15b				
820215				1427	SMOHAX	59a	57a	JT51b
1300	OZ4VV	57a	57a	EQ17a	1432	OH3RW	53a	55a MU24b
1303	OZ1EKI	53a	52a	EP49h	1436	LA3UL	55a	55a FT78h
1306	OZ1FGP	55a	55a	EQ68a	1444	OZ2ZB	55a	55a EQ36a
1318	OH4UC	55a	55a	NV17a	1450	LA6QBA	53a	55a FT05c
1329	SMOBU	53a	43a	JT61a	1453	OZ1FDH	55a	55a GP22c
1335	OH1AJ	52a	53a	LU41c	1456	OZ1ELF	57a	59a EP49h
1339	SM3HUA	55a	52a	IW30e	1500	OZ1DOQ	55a	54a GP34h
1343	RR2TEJ	53a	53a	NT71a	1505	SMODYP	53a	54a IT60d
1351	OZ3NH	53a	53a	EQ70a	1510	OH1KA	52a	53a KV50h
1356	OZ7IGY	53a		beacon	1516	SM3MKP	55a	55a IV66c
1356	SK4MPI	55a		beacon	1519	LA9BM	55a	53a EU32g
1357	DLOPR	53a		beacon	1525	LA7KK	53a	53a FU62j
1403	OH2BBF	57a	57a	LT15b	1527	LA9JK	55a	53a FX26e
1416	LA9FY	59a	55a	EU36j	1534	SM3IZB	51a	43a JX58e
1422	UR2QA	55a	55a	NS72a				

OZ1FDJ/LA (FV32j) contd.

820217

1442	OZ1EYX	55a 55a	GQ73h	1656	OH1DM	55a 55a	KV50h
1450	OZ1DOQ	53a 55a	GP34h	1659	SKOLM/0	59a 59a	IT70b
1452	LA6QBA	55a 54a	FT05c	1700	SM5DFF	55a 57a	IS31c
1500	SM4HJ	55a 55a	HT51c	1702	UP2BJB	55a 55a	LP06d
1504	OH6PA	53a 52a	KW47a	1705	SLOEG/3	53a 53a	GX38d
1515	SM3HUA	55a 51a	IW30e	1707	SM5IDM	55a 57a	HT79f
1522	LA1K	55a 55a	FX42c	1709	OZ1FDH	55a 57a	GP22c
1526	SM4KVU	55a 55a	HT76b	1710	LA5IH	53a 53a	CU47j
1529	OZ1ASL	55a 51a	FO18c	1712	OZ1DSK	53a 55a	EP48a
1540	OH1KA	52a 55a	KV50h	1715	OZ1BFO	52a 52a	ER49j
1543	SM5KWU	55a 55a	IT39	1725	SM3KJO	55a 55a	JW02g
1545	OZ1CLL	59a 57a	GP23c	1728	LA6CU	57a 59a	CU47j
1547	SM4DHF	55a 59a	HT65e	1732	LA6HL	55a 53a	CS09g
1550	OZ1EKI	53a 52a	EP49h	1735	SM3JGG	51a 56a	HV60h
1553	OZ4HM	53a 55a	FP53a	1742	OH2BBF	57a 55a	LT15b
1557	OZ7IS	57a 55a	GP22j	1805	SM5BUZ	53a 56a	HS36e
1605	DL5LH	55a 54a	FO51j	1807	SM5BUZ	53a 56a	GP35j
1606	DJ9YE	55a 55a	EW14a	1811	LA6AE	53a 54a	FT72h
1613	SM4LGU	53a 53a	HU48h	2032	LA7YM	53a 41a	FX43f
1617	OH3MP	55a 58a	MU23j	2047	SM3BCZ	53a 53a	IV54g
1628	UR2AO	55a 55a	MT54c	2055	SM3KJO	53a 53a	JW02g
1631	LA3SU	53a 56a	FT12g	2100	OH6HP	53a 53a	LX24j
1632	OZ1ANE	55a 55a	GP12j	2108	SM4MKP	53a 53a	HU28j
1638	SM3HAS	55a 57a	IX79d	2118	OH5IY	59a 58a	NUO3d
1640	SM3KIP	55a 55a	IU33a	2123	SM3LBD	53a 53a	HX18b
1644	LA8UU	53a 53a	FT05h	2135	LA8LA	53a 55a	FX51c

tkz fer info

OZ3ZW (FO18e) wkd via Aurora on 144 MHz:

820211

1524	LA3UL	52a 55a	FT78h	10°	1536	OH1DM	55a 55a	KV50h	10°
1525	SM5EFP	54a 58a	HT50e	10°	1540	SM4DHF	53a 57a	HT66e	10°
1529	OH3RW	55a 55a	MU24b	10°	1553	UR2RQT	59a 59a	MS80e	10°
1534	OH5KE	53a 55a	MU36j	10°	1610	OH3AWH	55a 54a	LV50b	5°

820212 2222

SM4IVE 56a 55a HT68d 335°

820217 1630 OH2BBF 53a 55a LT15b 340°

820222

1355	LA9FY	55a 55a	EU36j	35°	1738	SM3UL	53a 52a	IV52b	35°
1557	LA7KK	57a 59a	FU62j	35°	1744	SM3KIF	57a 56a	IW33a	45°

820224 2307 LA7KK 56a 57 IS21d 35°

820225 1848 SM4IVE 59a 55a HT68d 25°

OZ4MM (FP53a) contd.

820224									
2245	SM3HUA	51a	bed	IW20e	25°	2249	OH2CX	56a	55a MU65c 25°
820301									
1530	RQ2GAG	59a	59a	MQ01g	30°	1705	SM5IBF	55a	55a IS21c 25°
1543	G4IJE	59a	59a	AL12g	30°	1706	OH4UC	53a	56a NU17a 25°
1549	SM3KIF	59a	55a	IU32a	30°	1708	LA8KV	55a	56a FW27c 25°
1551	SMONCS	59a	55a	IT68g	30°				
820302									
1243	RQ2GGV	54a	55a	LR79e	35°	1457	ON4YZ	56a	55a CK53e 40°
1430	G4DEZ	53a	41a	AJ15g	25°	1459	G4FUF	56a	55a AL22j 40°
1440	PE1FTW	55a	55a	DM65d	20°	1521	G3NAC	52a	51a AM51c 25°
1445	PA2BWE	55a	55a	CM73	20°	1537	DJOUZ	55a	55a DK43a 35°
1446	PAOPHG	59a	55a	CM74e	30°	1538	DJ5MS	53a	54a GI15e 35°
1447	DL6BAO	55a	52a	EJ23e	60°	1635	SM4AIQ	54a	33a HT51j 40°

tk's fer info, dr Stig

PA 3 AOU wk'd via aurora on 144 MHz (DM 63g):

82o2o1:

82o2o6 contd:

1812	SM	6	CMU	FR	5ob	57a	57a	15	1837	SM	4	IVE	HT	68d	59a	-	35o
1835	SK	4	MPI	HU		53a	-	5	1849	UR	2	RQT	MS	8oe	52a	53a	1o
1836	LA	1	VHF	ET		53a	-	355	1957	GI	4	BXB	XO		52a	-	1o
1844	SM	5	EVK	IS	16f	56a	57a	o	2335	SM	5	BEI	JU	72c	55a	55a	1o
1846	LA	3	BQ	FU	17j	44a	55a	o	234o	LA	1	TV	FT		57a	55a	o
185o	SM	o	MEM	JT	51d	55a	55a	o									
19o6	GI	4	GVS	XO		55a	-	35o	82o21o:								
1911	OH	4	UC	NV	17a	53a	56a	35o	15o6	SM	6	EAN	FR	3oj	59a	55a	1o
1921	UR	2	CQ	MS	53a	41a	53a	o	1517	LA	9	BM	EU	32g	55a	54a	o
1928	SM	4	ESA	HU	48h	52a	52a	35o	1534	OZ	4	VV	EQ	17a	53a	53a	3o
1938	SM	o	DFP	IT	5oh	54a	55a	35o	1542	SM	4	HJ	HT	51c	55a	55a	1o
195o	OH	2	BBF	LT	15b	53a	55a	35o	1553	LA	1	TV	ET	29g	58a	57a	1o
2o07	OZ	1	CLL	??		52a	-	35o	16oo	SM	6	NET	GS	68c	51a	51a	2o
2o29	LA	5	IH	CU	47j	52a	52a	35o	1618	UR	2	RQT	MS	8oe	56a	57a	1o
2o45	LA	7	SL	FT	16b	52a	55a	34o	1634	SM	6	EAT	GR	48h	55a	54a	1o
2o51	SM	4	IVE	HT	68d	57a	-	335	1647	LA	5	LBA	FT	78a	55a	55a	1o
2117	LA	9	FY	EU	36j	54a	51a	345	17o7	SM	5	EFP	HT	5oe	52a	55a	1o
2122	GM	4	CXM	XP	o9g	54a	54a	345	1712	SK	6	HD	GS	68j	55a	53a	1o
213o	SM	5	EFP	??		52a	54a	335	1728	LA	5	PH	??		41a	44a	o
2131	SM	5	BUZ	HS	36e	53a	56a	34o	1731	LA	8	OW	FT	o5j	41a	52a	o
2138	OZ	4	VV	EQ	17a	53a	54a	33o									

EUROPEAN VHF NET: EACH SATURDAY & SUNDAY 1300z 14.345 MHz ±

82o2o4:

142o LA 9 BW? ?? 42a - 15
 1435 GM 4 COX YP 21b 53a 52a 15
 2oo3 LA 7 KK FU 62j 59a - o
 2oo4 SK 4 MPI HU 53a - 355
 2oo5 LA 1 VHF ET 54a - 355
 2oo9 LA 7 KK FU 62j 59a 55a 355
 2o22 LA 2 JJ FT o5f 55a 56a 1o
 2o31 LA 5 IH CU 47j 52a - 1o
 21o6 SM 4 KHQ IU 51a - 355
 2125 LA 9 FY EU 36j 55a - 35o
 23o6 SM 4 IVE HT 68d 53a - 35o
 2333 LA 9 T FT 44g 52a 53a 35o
 234o SM o ERR IT 5of 56a 54a 35o

82o2o5:

ooo8 LA 3 UV FT 78f 51a 53a 35o
 1649 LA 5 IH CU 47j 52a 52a 355
 17oo LA 9 FY EU 36j 54a 53a 35o

82o2o6:

161o OH 2 BBF LT 15b 55a 56a 35o
 1634 LA 5 BT FT o4c 53a 52a 1o
 164o SM o CGL JT 62e 55a 53a 345
 1745 DF 5 LS FO 66j 55a - 4o
 1755 GW 4 GSS YR 75j 55a - 1o
 1757 DF 9 CY EL 55a - 45
 18o5 DK 1 KO FM 55a 55a 45
 18o9 UQ 2 GFZ MR 57a 55a 55a 1o

82o222:

161o OZ 1 CLL ?? 53a - 4o
 1648 SM 4 FXR ?? 55a 335
 1654 SM 5 CHK HS 46 55a 53a 34o
 17oo a - blackout
 1812 UR 2 ROT MS 8oe 56a - 1o
 1826 LA 3 YX CT 57e 55a 55a 1o
 183o OH o JN KU 57a - o
 1855 UR 2 AO MT 54h 53a - o
 19o1 SM 4 BET GT 48c 53a 55a o
 19o6 LA 9 CM FT 72h 55a 57a o
 1914 EI 6 AS WN 59c 56a 55a 35o
 22o4 OZ 4 VV EQ 17a 59a 57a 15
 2212 GI 4 BXB XO 33j 55a - o
 2225 SM 4 FPF HT 51j 55a 55a o
 2226 LA 4 YG FT 13j 56a 53a o
 2235 LA 7 X ET 69h 54a 57a o
 2247 SM o DCX IT 7ob 55a 55a 1o

82o211:

1449 LA 9 BM EU 32g 54a 54a 1o
 1453 SM 6 EAN FR 3oi 55a 55a 2o
 1512 GM 4 COK YP o4b 57a 53a 15
 1521 GM 4 CXM XP o9g 55a 55a 1o
 1526 SM 6 CCO HS 33j 55a 55a 15
 2o37 GM 4 JEJ YQ 53a - 1o
 2349 OH 2 TI MU 65g 55a 55a 1o
 2352 OH 5 LK NU 37g 55a 56a 1o
 2355 UR 2 GZ MS o4b 53a 56a 1o

82o212:

oo14 OH 1 DP LU 47i 52a 44a 1o
 oo18 SM 5 HL IS 21d 55a 52a o
 2225 SM 4 IVE HT 68d 54a 52a 15
 2247 DK 1 KO FN 12 53a 53a 4o

82o213:

164o LA 5 IH CU 47j 55a 53a 35o
 1652 LA 1 TV ET 29g 55a 55a 35o
 1658 LA 3 UL FT 78f 41a 53a 35o
 1756 SK 5 BN IS 13c 55a 55a 1o
 1757 SM 4 BET GT 48h 52a 53a 1o
 18o4 LA 9 UX FU 76f 55a 55a o
 1814 G 3 ZPJ XK 63 53a 44a o

82o218:

2352 DJ 9 YE EN 14a 52a 549 3o
 DJ 9 YE was the only stn could
 be heard by a!

82o4o2:

1515 SM 5 CBN HS 56c 51a 55a 1o
 1524 LA 7 KK FU 62j 57a 55a 1o
 1539 LA 2 GH FT 15g 52a 55a 1o
 1541 SM 5 MIX HS 66g 56a 55a 1o
 1545 SM o EJJW ?? 41a 51a 1o
 1549 LA 7 XK FT o5a 56a 55a o
 1556 G4 LCE ZO 24e 51a 51a 15
 16o4 SM 5 CFS JT 24j 51a 55a 15
 1612 SM 4 DHN GU 7of 53a 57a 15
 1617 RR 2 TEJ NT 71a 54a 53a o
 1626 SM 4 JSF HT 56c 55a 55a o
 1631 SM 4 KVM HT 57d 56a 55a o
 1634 GM 4 DJS YP 11e 53a 55a 355
 1657 G 4 ASR YM 76d 52a 51a 35o

PA3AQU (DM63g) contd.

820403:

1358 OH o JN KU 71j 54a 52a 1o
1405 GM 4 IAO YR 47h 53a 54a o
1408 LA 8 OW EU 31g 55a 55a o
1416 LA 5 BT FT 44c 53a 53a 1o
1514 SM 4 KYN HT 61j 51a 52a 1o

820410:

1346 LA 7 KK FU 62j 58a 57a 15
1350 OH 1 AJ LU 51b 51a 53a 1o
1354 GM 4 JEJ YO 38g 57a 57a 1o
1402 SM 5 IXE IS 21c 55a 55a 1o
1403 LA 8 SJ/NGU 62d 55a 57a 1o
1407 SM 5 FNU IT 23d 54a 55a 1o
1424 GM 4 IAO YR 47h 56a 55a 1o
1432 G 4 JJB ZO 34d 54a 54a 1o
1437 SM 5 BUZ HS 36e 55a 57a 1o
1445 SM 5 FGQ HS 39h 55a 58a 15

1454 SM 4 KYN HT 51j 55a 55a 1o
1502 DF 7 LC EO 29a 52a 51a 4o
1509 G 3 KJW YN 60h 51a 52a 2o
1512 OZ 1 FDW GP 23h 55a 55a 35
1525 SK 7 JD IR 14f 55a 55a o
1540 SM 6 FLL GR 31h 54a 54a 2o
1544 SM 7 EMQ GP 46g 51a 55a 3o
1601 UQ 2 GLO KQ 49g 52a 59a 15
1606 SM o EYY IT 59d 55a 55a 15
6110 LA 2 RZ CU 38e 53a 55a 15
1701 G 4 GDU ZM 66e 51a 52a 1o
1707 SM 6 EAT GR 48h 52a 52a 1o
1712 OH 7 PI FU 75e 54a 55a o
1718 SM 6 ADW GS 52e 57a 58a 1o
1743 OH 7 RJ NW 09f 54a 52a o
1745 OH 1 AA LU 42f 57a 57a o
1748 G 8 VR AL 42e 53a 55a o
1809 SM 5 BFE IT 23d 54a 53a o
1819 OH o BA KU 45d 55a 57a 335

tnx fer info dr Harry

PA 3 BIY (CM 72 C) WKD VIA AURORA ON 144 MHZ:

820204:

2318 SM 6 EAN FR 30 J 51A 51A 0
2345 LA 6 ZW ET 22 G 53A 52A 0
2357 OZ 9 FW GP 31 B 52A 53A 0

820205:

0015 GI 4 GVS XO 21 B 54A 53A 0

820206:

1758 GM 3 JIJ WS 69 C 54A 53A 10
1829 LA 8 OW EU 31 G 52A 52A 10

820210:

1451 GM 4 COK YP 04 H 53A 52A 30
1456 SM 6 EAN FR 30 J 56A 53A 30
1608 SM 4 COK HT 56 C 55A 54A 30
1619 LA 5 LBA FT 78 A 52A 52A 30
1632 UR 2 RQT MS 80 E 59A 55A 30
1656 SM 4 FWY HT 66 D 55A 52A 30

(WKD ON 6. AND 10.as PA 3 BIY/A)

820211:

(CM 73 A)

0003 SM o HAR JT 51 D 53A 52A -
0014 G 4 JJB ZO 34 D 53A 53A -
0008 SM 6 CEN FR 40 B 55A 54A -

820301:

2245 SM 7 KUG HR 46 J 54A 54A -
2247 GM 3 XOG XP 37 A 57A 55A -
2255 OZ 1 FAA GP 24 G 53A 52A -
2325 GM 4 JLD YP 11 E 53A 55A -
2330 G 4 HUP YM 10 H 43A 55A -
2332 G 4 IFX YN 57 J 52A 56A -
2340 G 4 HOZ YP 77 D 54A 57A -
2345 OZ 1 GRS EP 48 A 53A 54A -
2346 PA o BN CL 10 H 55A 54A -
2355 GD 3 YEO XO 68 E 53A 54A -

820302:

0040 SM 5 HL IS 21 D 51A 51A -
0045 LA 7 KK FU 62 J 55A 55A -
0103 SM 6 HDY FS 80 G 52A 54A -
0200 GM 4 COX YP 21 J 59A 57A -
1510 Y 22SA GN 08 G 52A 52A -

PA 3 BIY TOLD US THAT DURING THIS
NIGHT THE SIGS PEAKED 59! HE COULD
NOT TURN HIS ANT THIS NIGHT AND WAS
FIXED TO A QTF OF 20 DEG.

PA3BIY (CM72c) contd.

ON 820131 DETECTED WEEK AURORA BETWEEN 1430 AND 1830, MAINLY HERD GM.
ON 820213 DETECTED A FIRST A-PHASE BETWEEN 1430-1600, SECOND PHASE BETWEEN
1700-1810 (STRONG), HEARD UR + UQ!
ON 820222 DETECTED A FIRST A-PHASE BETWEEN 1625-1710, SECOND PHASE BETWEEN
1730-1915 (STRONG), HEARD: SM4LMV, GM3JFG(XR), SM5DFF(IS), SM5HL(IS),
UR2RQT(MS), OH2BBF(LT), LABTE(ES), LA9CM(FT), LA4YG(GT).
ALSO HE HEARD SM4 KYN A BIT VIA TROPD, A LOT OF OTHER STN'S HEARD.

THANK YOU FOR THE DETAILED INFO

PA Ø PKD wkd via Aurora on 144 MHZ: (from DN64h)

820131:

820302:

1548 LA 9 FY EU 36 j 54a 55a 3o 1740 LA 9 FY EU 35d 53a 52a 2o
1553 LA 5 IH CU 47 j 55a 52a 3o
1605 LA 5 SU FT 12 g 56a 56a 3o 820307:

hrd a lot of other SM, LA, OH and hrd during 1700-1745 week aurora
gm - stn' s

820321:

820201:

2141 OZ 4 VV EQ 17 a 54a 53a 34o 1548 SM 4 GVF HT 76a 55a 55a 345
1602 LA 7 KK FU 62i 52a 53a 355

820205:

820402:

1707 LA 9 FY EU 36 j 53a 51a 1o 1458 LA 9 BM EU 32g 54a 54a 1o
1738 LA 5 IH LT 15 b 52a 52a 1o 1505 SM 6 EAN FR 30j 57a 56a 4o
1507 SM 4 KVM HT 56d 56a 53a 4o

820206:

1516 SM 5 KWV IT 34h 41a 52a 3o
1527 LA 7 KK FU 62j 57a 55a 1o
1628 LA 8 OW EU 31 g 55a 55a 35o 1537 SM 5 CBN HS 56c 52a 55a 25
1640 OH 2 BBF LT 15 b 54a 52a o 1548 SM 6 AEK GQ 25b 56a 54a 5o
1635 DL o PR EO 56a - 32o

820210:

1642 g 4 IGT ZO 13g 53a 53a 33o
1733 SM 4 GVF HT 76a 56a 55a 35o
1710 LA 9 BM EU 32 g 56a 56a 15 1742 GM 4 CXP YP 37c 54a 54a 2o

1730 LA 9 TV ET 29 g 52a 53a 35o

1932 SM 5 KWW ?? 52a 52a 34o 820403:

1943 SM o DCX IT 7o b 52a 55a 34o

1946 SM 5 EFP HT 5o e 52a 55a 34o

1950 SK 6 DD ?? 41a 53a 34o

1355 LA 5 IH CU 47j 56a 52a 25

1403 LA 8 OW EU 31g 54a 53a 15

1410 LA 2 GH FT 15g 42a 52a 15

1436 LA 7 KK FU 62j 55a 55a 5

820217:

1623 SM 5 KWV IT 34 h 53a 55a 355

1636 OH 2 BBF LT 15 b 54a 55a o

1746 GM 4 FZH YS 33 d 53a 52a o

PAØPKD (DN64h) contd.

82o41o:

82o222:

1726 LA 9 BM EU 32 g 53a 55a 2o
173o LA 5 IH CU 47 j 56a 52a 1o
1737 LA 3 UL FT 78 h 52a 52a 4o
1813 UR 2 RQT MS 8o e 56a 59a 2o
1825 SM 7 LAM GP 48 a 51a 52a 45
1833 SM o RLN JT 71 h 45a 55a 25
1848 SK 6 HD GS 68 j 56a 53a 3o
1848 SM 4 KYN HT 51 j 56a 57a 3o
185o SM 7 BYV GR 67 e 53a 55a o
2oo7 DL o PR EO 54a - 315
2o22 GM 3 ZXE YQ 35 g 53a 55a 32o
2122 SM 4 JEV HT 69 e 53a 56a 345
2127 SM 6 AFH GQ 25 c 55a 55a 34o
hrd OH o JN, UR 2 QA, UR 2 CQ,
UQ 2 GFZ, UA 3 LBO, UR 2 RIW es other.

82o41o contd:

82o5o3:

17o6 SM 5 DFF IS 31c 56a 57a 5o
1819 G 4 KTP ZO 11b 53a 53a 31o
1836 G 3 BRA YP 2od 54a 55a 31o
1839 DK 2 BJ DK 11e 54a 53a 31o
1846 Y 22 QG GM 79h 53a 53a 32o
1849 GM 3 WFJ YO 23a 42a 51a 33o
1727 SM 4 LMV HT 57g 54a 55a 335
1729 GM 4 IHJ YO 73 h53a 52a 32o
1733 GM 3 WFJ YO 23a 52a 52a 32o
1745 DL o PR EO 52a - 31o
1748 OZ 8 SL GP 31e 53a 53a 31o
1756 OZ 6 OL FP 5oe 52a 53a 31o

82o427:

82o527:

171o hrd week aurora sigs

1646 SM o DCX IT 7ob 56a 56a 35o
165o LA 9 BM EU 32g 54a 53a 35o
17oo GM 4 CXP YP 37c 52a 53a 15
18oo DL o PR EO 52a - 3oo

82o4 3o:

18o2 LA 6 CU CU 47j 51a 41a 15

82o528:

1521 SM 5 CBN hs 56e 54a 55a 34o
153o LA 4 DK FT o5j 41a 54a 1o

tnx very much for info dr Paul

PA Ø WWM wkcd via Aurora on 144 MHz (CM 63 g):

82o2o1:

2127 OZ 4 VV EQ 17a 57a 55a 34o

82o3o1:

2332 G 3 LTF AL 11d 53a 53a 4o
2336 PA o FRE CL o3j 55a 55a 4o
2347 DF 1 OH EM 57j 53a 53a 45

82o2o4:

23o6 SM 4 IVE HT 68d 53a 55a o
2311 SM o HAX JT 51b 55a 53a o
2312 GM 4 ILS YR 24e 57a 56a o
233o SM 4 VA GT 47a 55a 53a o
2339 SM 6 EOC GQ 22h 51a 51a 34o
2348 GM 3 ZXE YQ 35g 55a 53a 34o

hrd SM 7 BAE with 51a

82o41o:

1526 DL 6 WT/pEO 25d 51a 51a 4o
161o DK 1 PT/pEO 25d 52a 52a 4o
1617 GM 4 JLY YR 8oa 51a 62a 1o

PAØPKD (DN64h) contd.

82o2o5:
ooo3 OZ 1 c11 GP 23c 55a 55a 33o

82o212:
ooo3 SM 4 JEV HT 69e 55a 53a o

82o213:
1438 GM 4 JLY YR 8oa 55a 55a o

If there is good Aurora on 144 MHz, Wim will be QRV also on 432.05o in CW for aurora - contacts. Also PA O FRE is QRV on 432 MHz Aurora.

tnx fer info dr WIM

UA3LBO (0021h) wkd via Aurora on 144 MHz in cw:

81.11.23		82.02.01	
1546 SM4FWY HT66d 55a 55a 340°		1812 UA3MBJ SS78e 55a 59a 10°	
1558 RA1AMZ PT12A 51a 52a 340°		19 ONSLVU NU36e 55a 59a 10°	
1601 LAYVB PT13D 51a 52a 340°		18 SM4VFE HT66d 55a 59a 10°	
04 OH2BO 0U47B 52a 59a 340°		1900 SM4VFE HT66d 55a 59a 10°	
05 OH2BA HT51 52a 59a 340°			
13 SM4VFE HT51 52a 59a 340°		82.02.10	
17 SM4VFE HT51 52a 59a 340°		1450 SM4KX HT33a 51a 56a 20°	
21 OH4VU NV17A 51a 52a 340°		15 SM4EAM ER337 53a 59a 10°	
25 OH4NM OV4V 51a 52a 340°		1503 UR2ROT MS80e 59a 59a 30°	
28 OH2REK HT51 51a 52a 340°		1503 UR2GZ MS 59a 59a 30°	
30 OH2GB MUST 59a 59a 340°		1503 UR2GZ MS 59a 59a 30°	
32 OH2B HT51 51a 52a 340°		23 SM7GWU HS75a 55a 57a 10°	
34 SM4BFE 15215 51a 52a 340°		25 MY GRT, AURORA contd.	
39 OH4VU HT51 51a 52a 340°			
41 SM4VFE HT51 51a 52a 340°		82.02.13	
46 SM4VFE HT66d 59a 59a 340°		1443 OH3MF MU23 55a 59a 30°	
58 UR2OI HT72L 51a 52a 340°		1507 SM4VFE HT66d 55a 59a 25°	
59 OZ4VU ED17A 51a 52a 340°		38 OH2HR MU66d 55a 59a 30°	
1701 OZ1OF ED17A 51a 52a 340°		45 OH2HB OV31c 55a 59a 30°	
05 UH4MC ED17A 51a 52a 340°		50 OH3CT MU09 55a 59a 30°	
20 UO26LD K0460 51a 52a 340°		54 UO26FZ NR59a 55a 59a 30°	
24 UO26JB K0661 59a 59a 340°		54 UO2IN MU66e 55a 59a 30°	
		54 OH1B P LU43 55a 59a 30°	
81.12.12		1600 OH51V MU03d 55a 59a 30°	
1435 SM4VFE HT66a 55a 55a 00°		02 UR2ROT MS80e 55a 59a 30°	
45 SM4VFE HT66d 51a 52a 00°		02 SM3FHX IV53g 55a 59a 30°	
53 SM4VFE HT51 51a 52a 00°		39 OH3US MU23 55a 59a 30°	
55 SM4VFE HT51 51a 52a 00°		42 SM4VFE HT51 55a 59a 30°	
		45 OH4VU HT51 55a 59a 30°	
82.01.31		1700 OH4VU HT51 55a 59a 30°	
1410 UR2QA NS73d 59a 59a 30°		1800 PAØRV CM45e 55a 59a 30°	
13 OH1MA LU4V 51a 52a 30°		03 OH1KO HT54 55a 59a 25°	
15 UR2RDR HT51 51a 52a 30°		81 UR2AO HT54 55a 59a 25°	
17 OH3BM LU16 51a 52a 30°		35 UO26H MUST 55a 59a 25°	
24 OH3BP LU16 51a 52a 30°		40 OH26H MUST 55a 59a 25°	
24 SM4VFE HT70B 58a 59a 10°		43 SM4VFE HT51 55a 59a 20°	
25 OH3BB OV11B 51a 52a 10°		54 OH2RZ MU23 55a 59a 20°	
29 OH3BU MU14B 52a 59a 10°		1900 OH3FE MU33C 55a 57a 20°	
35 OH3FE HT51 51a 52a 10°		04 SM4BFP IT50L 55a 59a 20°	
42 OH3SCU HT33C 59a 59a 10°			
45 OH3SIY NU034 55a 59a 10°		82.02.17	
1509 OH3OR MU243 52a 59a 10°		1610 SM4VFE HT66d 59a 57a 10°	
13 OH4THC HT51 51a 52a 10°		12 SM4VFE HT54 57a 57a 10°	
37 OH4VU HT51 51a 52a 10°			
38 OH4VU HT51 51a 52a 10°			
40 OH4VU HT51 51a 52a 10°			
44 OH4VU HT51 51a 52a 10°			
47 OH4VU HT51 51a 52a 10°			
54 OH4VU HT51 51a 52a 10°			
55 OH4VU HT51 51a 52a 10°			

UA3LBO (0021h) wkd via Aurora on 144 MHz in CW/SSB:

82.02.22

1628	SM5CHK	HS36e	59a	59a	10°	
32	SM4IVE	HT68d	59a	59a	10°	
40	OH2MQ	MU25f	59a	59a	10°	
50	SMØDYE	IT541	59a	hnd	10°	432 MHz
55	SM4IAZ	HT65h	54a	hnd	10°	432 MHz
1906	PAØRDY	CM45e	54a	59a	310°	
13	PA3AIG	DM33i	55a	55a	310°	
18	PA2VST	CM244	55a	55a	310°	
2052	SM5CND	HS46e	55a	55a	0°	
52	UR2EMN	LS05c	53a	57a	0°	
55	OH1DP	LU421	53c	57a	0°	
2102	SM5DFE	IT2361	55a	57a	0°	

82.03.01

1543	OZ4VUV	EQ17a	55a	55a	0°	
1626	UK3ACF	SP23i	59a	59a	0°	
35	SM5IDM	HT764	52a	57a	0°	
47	SM4AIQ	HT51f	53a	56a	0°	
49	OH2MQ	MU25f	59a	59a	0°	
53	OH3RU	MU14d	52a	57a	0°	
1701	SM4IVE	HT68d	59a	59a	0°	
05	SKØCT	IT50B	53a	57a	0°	
26	SM5CND	HS46e	53a	57a	0°	
27	OH1DP	LU421	52a	55a	0°	
2229	R43AGS	SP10f	59a	59a	520°	
35	OH51Y	NU03d	59a	59a	310°	
38	SV6AEK	GP25B	55a	56a	310°	
45	OZ1EDH	GP22C	57a	57a	310°	
47	PA2VST	CM244	57a	55c	310°	
50	OZ10F	EQ78g	57a	59a	310°	
57	PAØFAS	CH75h	55a	55a	310°	
56	SM4IVE	HT68d	59a	59a	0°	
59	ØK1DM	JM67a	59a	59a	310°	
2305	OZ1EKI	EP39h	57a	59a	310°	
08	OZ9FN	GP313	59a	59a	310°	
11	ØOCZ	DL21a	54a	59a	310°	
17	ØF7DJ	DL39a	54a	59a	310°	
14	ØEØDY	EL02c	59a	59a	310°	
14	OZ1DOR	EQ	52a	59a	310°	
18	PA3ASF	CM15c	57a	55a	310°	
21	ØK2B1	EN11f	57a	55a	310°	
23	ØLYEA		59a	59a	310°	
26	PA3BBV	CM66g	59a	59a	310°	
29	LA7KK	FU621	55a	55a	310°	
30	SM6AFH	GP26h	53a	54a	310°	
33	SM7LAJ	GPV6d	55a	59a	310°	
38	ØF1OH	EM571	59a	59a	310°	
44	ØL11F	FO68g	55a	55a	310°	
46	PAØRDY	CM45e	55a	54a	310°	

23	50	PA3BSK	DL04a	55a	55a	310°
	56	OZ1FEP	EQ63a	55a	58a	310°
	54	PAØTHT	DM65h	55a	58a	310°
	57	OZ6OL		55a	hnd	310°
2400		PAØBWL	CL18e	55a	55a	310°
0003		ØF4KE	DK03e	52a	52a	310°
09		PA3AOE	DM33i	55a	55a	310°
15		PAØOOM	JN54h	55a	56a	310°
22		OZ1CLL	GP23c	52a	54a	310°
31		SM31B	IV60h	59a	59a	050°
37		SM4CEL	GT381	59a	59a	350°
35		LABAK	DS68B	59a	59a	350°

UA3LBO(0021A) contd

820302

0045	SM7KUG	HR46J	53a	53a	320°
46	SM7ASN	G060c	52a	53a	320°
56	OZYVV	EQ17a	59a	59a	320° +
0101	OZ3EW	F021a	55a	57a	320°
16	PE1FTW	DN65B	55a	55a	320°
22	PA0HIP	CL34d	55a	57a	320°
30	PA0RLS	CM53d	55a	55a	320°
33	PE1ABJ	DK01+	55a	59a	320°
34	PA3BRS	CM70c	52a	53a	320°
38	PA0BWL	CL18c	55a	58a	320°
0207	RA3YCR	RNS2f	59a	59a	340°
1524	RA3YCR	RNS2f	59a	59a	330°
+	SSB. 59a + 20db				

crucio za
unfo, gr Banepini

UA3MBJ (SS78c) wkd via HX2024 on 144 MHz:

26.08.81.

1504	OH2CX	MU65C	55a	55a	350°
1603	SM5BEI	JT72c	59a	56a	340°
09	SM4IVE	HT68d	59a	53a	340°
2337	OH7EU	NX26g	55a	55a	340°
43	OH5LK	NU37g	57a	58a	340°

27.08.81.

0002	SM3AKW	1W30e	59a	57a	340°
10	UK3FAD	CR02J	57a	57a	340°

30.08.81.

1617	UA9GL	CR02h	59a	59a	20°
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03.10.81.

1409	OH4YA	OX43e	59a	57a	340°
11	SM01OT	JT50F	57a	56a	340°
14	SM5CNR	HS46c	55a	55a	340°
18	OH3BJJ	MW31J	55a	55a	350°
19	UR2RSG	MT44F	57a	57a	350°
21	OH2BEC	MU25c	59a	59a	350°
25	UA3TCF	WR14a	59a	55a	350°
33	UA4N2W	YS60g	55a	57a	15°
51	SM5CUI	IT09B	59a	57a	350°
53	OH7KE	NX54J	57a	53a	350°
59	OH7UV	NX26g	57a	57a	350°
1500	OH3TH	LU50B	59a	58a	350°
25	UW4NI	YS29a	57a	56a	15°

07.10.81.

1708	SM4LMV	HT57g	57a	53a	340°
17	SM4IVE	HT68d	59a	55a	340°

1721	UP2BJB	LP06d	55a	55a	330°
24	SM01OT	JT50F	59a	58a	330°
33	UA3UBD	UR13b	55a	55a	20°
38	UA3DHC	TQ71C	55a	55a	340°
45	OH3MF	MU24J	57a	55a	340°
53	OH6PA	KX47a	57a	55a	340°
1802	UR2R2R	MS68F	57a	57a	340°

7.10.81 contd.

1811	OH5LW	NU36J	55a	55a	340°
34	OH6YP	LW24g	55a	55a	340°
42	SM4EXR	HT75b	55a	55a	340°
2000	UQ2GFZ	NP57a	57a	57a	340°
11	UQ2GAT	LQ06B	57a	57a	340°
19	UQ2ABT	NN18a	57a	57a	340°
21	UR2QCD	NS13a	55a	55a	340°
23	UR2Q4	LP24b	55a	55a	340°
25	UP2BFR	LR66C	55a	55a	340°
34	UQ2GCG	MP61F	55a	55a	340°
38	RP2PED	KX11a	55a	55a	340°
46	SM2DXH		55a	55a	340°
2100	OH21N	MU64e	55a	55a	340°

UA3MBJ (SS78e) contd.

10.10.81.

1505	OHFTN/4	OV15H	592	552	350°
15	OH7HJ	OW38F	572	532	350°
30	OH7UV	NY49G	552	552	350°

11.10.81.

11.50	UA9FAD	CR62J	572	572	20°
52	UA3TCF	WQ142	592	572	20°
54	UA1MC	PT13D	582	592	0°
59	CH2BGD	MU55F	552	572	0°
12.02	OH3MR	MU092	532	552	0°
08	OH6NU	NW692	592	592	0°
12	SMOCGL	JT622	572	552	0°
22	SM3JAW	JX56F	552	532	0°

11.10.81.

12.27	RA1ATS	PT228	552	552	0°
33	UA4NDW	YS609	552	572	10°
34	OH5BM	OV472	572	572	0°
37	RA9FBZ	CR462	572	572	15°
48	UA3UBD	UR136	592	592	15°
53	OH2BJM	LT082	552	542	0°
56	SMOEY	IT502	542	532	435°
13.15	UR2BJ		552	552	450°
30	SM5QA		552	552	485°
35	OH4MF	OV152	552	562	450°
40	SM2CRR	RX129	572	572	450°
47	SM4FBY	HT668	552	552	450°
14.00	SM4JAW	JX568	592	592	450°
13	OH5ZK	NU457	552	572	450°
17	OH10U	LV54F	562	562	450°
20	OH7XM	OW398	572	592	450°
24	OH2JWH	MU662	552	572	450°
27	SK3BG	IW572	552	552	435°
21	OZ4VV	ER172	572	532	430°
27	UR2GFZ	NR572	572	592	445°
30	OH2BJM	LT082	552	592	445°
30	OH7SR	NX29J	542	542	445°
38	OZ10F	EQ788	552	542	435°
40	SM6CMU	FR527	552	562	440°
45	LA8SJ	FT05J	552	552	430°
48	OH2BCI	LU40C	552	572	450°
50	OH5NM	MV64J	552	572	450°
52	OH2BOA	MU70C	572	572	450°
55	SM4AIQ	HT51J	552	572	445°
15.04	OZ5NM	FP34H	552	552	430°
06	UA3LBO	QO21A	552	552	435°
08	UP2BCE	MA22B	552	572	435°
09	UR2GLO	HQ499	552	552	435°
14	UC2ABN	NN	542	582	435°
20	OHFTN/4	OV15H	552	552	435°
26	UR2RER	MT54H	552	572	435°
28	SM6AER	GQ258	562	552	435°
30	OH2BAX	MU644	552	552	435°

contd.

[illegible]

UA 3 MBJ (55782) contd.

30.12.81.

13.41	UA4NDW	582	582	3400	04.2.82	UQ2GFZ	NR572	552	562	3400
43	OH4UC	NV172	582	3500	13.25	OH5ZW	NU360	562	532	3400
46	OH7PS	OX67A	582	3500	12.45	SM51DM	HT73F	522	532	3400
14.03	OH7PS				54	RA3YCR	NR52F	552	532	3400
03	SM3LH	JX54C	582	3400	18.06	UR2FEQ	N7612	562	562	3500
05	OH6CY	JW40A	582	3400	14	UR3L80	Q0212	592	542	3500
12	SM6EU0	IT69J	582	3400	25	RQ26GS	ZQ08B	552	572	3400
42	SM2CKR	KX129	582	3400	34	SM6CMU	FR50A	562	562	3400
15.06	OH7AZL	NX372	582	3400	29	UQ26LO	K245B	552	572	3400
10	OH2BZF	ZT158	582	3400	36	UQ26HU	Q206B	562	572	3400
16	SM4FXR	HT579	582	3400	38	UR4TMC	PT132	562	592	3500
18	OH4YR	OW432	582	3500	41	RA3L8H	Q0772	562	592	3500
30	UA3V8R	SW41F	582	3500	48	UQ26FC	Q236F	562	592	3500
45	OH30Z	MU652	582	3500	55	OZ10F	EA78B	572	532	3300
16.04	SM5BEI	MU246	582	3500	13.02	OZ3ZW	F0182	572	552	3300
		UT72C	572	3400						

2.1.82.

18.12	OH5KE	MU262	582	3500	13.04	CH7TN	OV15A	582	582	3500
17	SM5BEI	UT72C	582	3500	16	RA4LAD	PT122	572	572	3500
16.182.					28	UR2RDX	MT539	572	572	3500
					32	OH12P	LU42V	562	572	3500
					42	SM61OT	VT50F	572	572	3500
					50	OH4UC	NV172	592	532	3500

16.182.

16.28	OH5LH	MU379	582	3500	03.2.82.					
44	SR2AU	KY25C	562	3500	14.15	SM4IVE	4TR82	582	562	3500
47	OH3MF	MU23V	562	3500	18	OH7XC	NX79U	472	552	3500
52	OH6MY	KX572	572	3500						

31.1.82.

15.28	SM4CFL	UT38V	562	3500	04.2.82.					
52	UA3UBZ	UR602	582	3500	12.55	SM6HAX	JT514	572	552	3500
37	RA4LAD	PT12A	582	3500	53	OH5TV	OV612	572	572	3500
46	SM6EAM	FR30V	582	3500	13.06	OH37R	LV509	572	532	3500
50	UA4CJU	OT182	582	3500	10	SM4IVE	HT682	572	532	3500
56	OH5B8A	OX71C	582	3500	31	OH4UN		572	532	3500
16.05	SM6B2P	IT602	582	3500						

UA3 MBJ (SS78e) contd.

04.2.82

13.38 UW4NI YS292 552 582 360°
 38. UQ2GFFZ HK334 552 572 350°
 45. SM0KCR JT41J 522 552 350°
 58. SM0FZG MU379 592 532 350°
 14.44 OH5LKH UT548 592 572 312°
 28. OH2PH MU619 542 582 350°
 33. OH3MF MU25J 522 552 350°
 15.22 OH2HK MU66B 532 572 350°
 37. OH2BAQ MV562 552 552 350°

06.2.82

15.04 SM2DXH KX112 572 572 345°
 08. OH5HE MU26 592 592 350°
 10. OH7XC NX79J 582 582 350°
 12. OH6MY KX522 592 592 350°
 18. UR2GZT MS48 592 592 350°
 22. UA4NDT YS35F 532 582 10°
 25. OH7AZL NX372 532 582 35°
 31. UA4NDW YS609 562 582 10°
 34. UW4NI YS292 592 582 350°
 54. RA3DCI TQ71C 572 592 350°
 39. UA3TCF WQ142 592 572 350°
 16.17 UA3TAR SQ11F 552 572 350°
 15. OH2BJZ MU 562 572 350°

10.2.82

15.03 0210F E0106 562 542 320°
 22. SM3HUA IW74J 592 572 330°
 25. UA4UR VO762 592 572 330°
 33. SM51DM HT79F 592 572 340°
 35. UR2AO MT54 592 572 340°
 47. SM4FWY HT662 592 572 340°
 51. 3K0CW IT60A 542 572 345°
 10.03 SM5RX IT322 592 572 345°
 08. OH3RU MU142 572 572 350°

10.2.82

16.12 021FLL GP 562 552 330°
 19. UA3RF5 UMC8J 552 572 340°
 28. UQ2GLO HQ450 572 552 340°
 45. SM0LRN JTF7K 572 552 340°
 17.02 OH5UN NU55K 542 532 340°
 23. OH3MF MU23J 582 572 340°
 23. OH6SJ MW70A 592 572 340°
 31. OH6CY MW70A 592 572 340°

11.2.82

14.21 SM5KWU IT34A 522 522 345°
 30. UW4NI YS292 532 572 340°
 39. SM0KCR JT41J 552 552 340°
 43. UQ2GFFZ NR572 532 552 340°
 46. OH6SJ MW70A 572 552 340°
 15.00 OH6HP LX24J 562 562 345°

12.2.82

18.45 OH1DIP LU42J 572 552 345°
 20.40 OH1DM KX50A 572 542 345°
 23.18 SM41VE HT682 592 562 340°
 24. SM3UZ IV52B 572 572 340°
 27. OH27J MU659 592 582 345°
 32. OH52K NU379 592 572 345°
 52. UA3TCF WQ142 572 582 360°
 58. SM3MNP IV66C 562 522 345°

22.2.82

14.20 CH2BBF ZT15D 572 572 345°
 24. OH3TR ZV509 572 572 345°
 36. SM5CNR HS462 542 522 340°
 44. SM41VE HT682 592 550 340°
 47. UR2EQ HT61C 572 552 340°
 15.06 UR2GZ MS046 572 572 340°
 11. SM01OT JT50F 562 552 340°

UA3MBJ (SS78e) contd.

22.2.82.
 15.36 UR2RER MT54A 52a 55e 340°
 180f SH4IVE HT68d 56a 52e 340°
 19 SH5CHK HS36J 55e 55u 340°
 29 OH1MA LU44J 55e 55e 345°
 33 OH5BB OV71C 55e 57e 345°

01.3.82.

15.29 UA3PBT S069a 55a 56e 355°
 34 OH2MR MU25F 55e 55e 350°

02.3.82.

12.59 OH1DP LU42J 56a 44e 350°
 1304 UR2RDX MT35J 55a 55a 350°
 38 OH4UC NX11a 55e 58a 350°
 20 OH1RJ LU41C 57a 57e 350°
 28 OH2TI MU65g 56e 55a 350°

08.3.82

16.13 OH2MR MU25c 58e 58a 360°
 20 SM3HUA 52a 58a 340°
 26 OH1BM LX50A 58a 57a 340°
 33 SM5CFS JT24J 55e 54e 340°
 36 UW4NI YS29a 55e 55e 360°
 38 SM5EVH 55e 55e 340°
 43 OH1KA KV50A 52e 55e 340°
 48 RQ2GAG MQ01g 52a 53a 375°
 52 UR2AO MT54L 58e 56a 375°

maemo za ungo,
 gr. Flukavai

UA3TCF (WQ14a) wkd via Aurora on

144MHz in CW:

820131

1402 UW4NI YS29a 57a 58a 0°
 1406 OH3CU MV33c 56a 57a 0°
 1412 OH5IY NU03N 59a 57a 0°
 1419 RQ2GAG MQ01g 56a 55a 330°

820206

1548 UW4NI YS29a 54a 59a 0°
 1558 UA3FFQ CT46c 55a 59a 30°
 1559 UA3MBJ SS78e 59a 59a 30°
 1600 UA9FCR CT25f 57a 59a 30°
 1608 UA9FIG CT25f 58a 59a 30°
 1620 UA9C DR1g 52a Beacon 40°
 1635 UA9FO CU13a 59a 59a 30°
 1650 OH2BUI? PW43h 58a 57a 10°
 1705 OH7AZL NX33d 56a 57a 10°
 1710 UA3CMT DR09a 58a 57a 20°
 1715 OH2BAQ MU36a 57a 57a 0°
 1718 OH5NM QV64d 55a 56a 0°
 1735 UR2RQT MS68f 59a 59a 0°
 1805 UA3QHS TL 55a 55a 310°
 1822 OH2BJZ MU25f 57a 55a 350°
 1823 OH5BB OV71C 56a 57a 340°
 1825 UR2GFZ NR57a 57a 57a 330°
 1829 OH3XJ MU03J 55a 55a 0°
 1902 OH5LK NU37a 56a 56a 350°

820212

2348 OH5LK NU37a 57a 58a 340°
 2352 UA3MBJ SS78e 58a 59a 330°
 2356 RA3AGS 56a 56a 330°

820213

1406 UA3PBT S069a 57a 58a 330°
 1421 RA3LBK QP77d 56a 58a 320°
 1427 OH5BB OV71C 57a 55a 350°
 1530 OH5TJ OV61e 57a 56a 350°
 1536 OH2IN MU64e 56a 57a 350°
 1546 OH2BJZ MU25f 54a 55a 350°
 1547 UW4NI YS29a 59a 59a 0°
 1554 RQ2GAG MQ01g 54a 55a 330°
 1556 OH5KE NU 59a 58a 350°
 1557 UR2AO MT54h 58a 58a 350°
 1558 UR2GFZ NR57a 58a 58a 350°
 1601 OH3CT MU03J 54a 55a 350°
 1604 OH1DP LU44J 57a 55a 350°
 1606 UA3CMT DR09a 57a 57a 20°
 1625 UR2REK MT54k 52a 54a 340°
 1627 SM4IVE HT68x 57a 55a 330°
 1635 OH3QJ NV27g 56a 59a 350°
 1638 OH3RU MU14d 54a 55a 350°
 1640 UR2RQT MS68f 54a 59a 350°
 1644 SM01OT JT51f 57a 56a 330°
 1648 SN0BKZ JT40a 57a 55a 330°
 1659 SM4LMV HT57g 57a 55a 330°
 1702 CH5BM OV77h 59a 59a 350°
 1710 UA3L3M Q011f 53a 52a 320°
 1714 UP2BFR LP236 57a 57a 330°
 1721 RC2WBR NPT5g 53a 57a 320°

UA3TCF (WQ14a) contd.

820214

1216	UR2GA	NS73a	55a	56a	350°
1220	RA14LA	PT12f	57a	58a	10°
1255	OH5NM	OV64g	57a	56a	0°

820410

1151	OH5LK	NU37g	59a	59a	0°
1203	OH4UC	NV17a	59a	59a	350°
1212	OH6CY	MW70h	57a	55a	352°
1223	OH4MF	OV15a	59a	59a	0°
1232	OH6GJ	MV08b	52a	55a	0°
1243	UA9KCF	AX36a	53a	55a	0°
1250	UA9CDL	ER28c	55a	59a	20°
1251	OH7HJ	OW38f	59a	59a	0°
1306	RA9FBZ		59a	59a	10°
1314	UW4NI	YS23a	59a	59a	0°
1321	OH5MC	OV47c	55a	57a	0°
1328	UA1ASA	PU73g	59a	59a	0°

820410 contd.

1337	UA3RFS	UM28a	59a	59a	330°
1701	RA4NER	YS39f	57a	59a	
1708	UA4TY	ZV63f	53a	59a	40°
1721	UA9FAI	CS60a	59a	59a	40°
1726	OH7XM	OW39g	59a	59a	0°
1728	OH1DP	LU42j	59a	59a	350°
1736	UA9FCC	BR09a	57a	59a	10°
1745	UA9GL	CR02a	59a	59a	0°
1743	OH5NM	OV64j	59a	58a	0°
1755	UA3QIN	TL27c	56a	55a	320°
1802	UR2RER	MT57h	57a	59a	350°
1816	UR2RQT	MS60b	59a	59a	0°
1817	UA3DHC	TQ77c	59a	59a	
1818	UA1MC	PU73f	57a	59a	10°
1836	UA9FAD	CR02j	59a	59a	10°
1818	UA4UK	VU76c	59a	59a	320°

crucito za info. gr. Alexe

432 MHZ

DF3EE (UL75b) wkd via Aurora on 432 MHz in cw:

820410

2240 OZ7IS GP22j 53a 55a 040 QRB 639 km

Hrd: DF3XU, GM4JLY, DL6WT/p, DK1PT/p

tkr fer info,

dr Hans

DL4EA (DL65g) wkd via Aurora on 432 MHz in cw:

820410

1639 DL6WT/p EO25d 52a 52a 030

1658 DK1PT/p EO25d 51a 52a 030

tkr fer info, dr Frank

Hrd: DF3XU, GM4JLY, OZ7IS

UA3LBO (OO21h) wkd via Aurora on 432 MHz in cw:

820213

1732 SM4IAZ HT67h 55a 54a 010

QRB 1132 km tkr fer info,

1741 SM5BEI JU72c 55a 54a 010

QRB 1005 km dr Walerij

UA3TCF (WQ14a) hrd via Aurora on 432 MHz in cw:

820410

1530 UA1MC PU73f 54a - 010

tkr fer info, dr Alex

UQ2GLO (KQ49a) wkd via Aurora on 144 MHz in cw:

820210
1628 UA3MBJ SS78e 55a 57a 330
35 DK3UZ EN1Øc 57a 59a 350
1706 DL2LAH EO29h 55a 57a 000

820211
2208 LA1TN DX78d 56a 55a 340
2255 LA8AK DS7Øb 54a 54a 305
2353 GM3ZXE YQ25g 55a 55a 255

820212
0016 G4ERG ZN28g 52a 57a 290

820217
1625 LA1AL EX56j 55a 42a 315
50 LA1TN DX78d 55a 59a 330

820301
2308 UK1BM DM67a 59a 56a 330
25 DF10J DL39a 59a 59a 330
30 PAØOOM DN67g 59a 57a 330
34 G4FUF AL33j 57a 57a 330
41 G6GT YL48h 53a 55a 200
46 OE1XRA II63g 53a 55a 300

820302
0035 G3UVR YN55j 55a 54a 300
40 G3BW YO33g 54a 53a "
50 GM4BFX YR2Øf 55a 55a "
55 GM4CXM YPØ9g 53a 53a "
0104 G3LT AL11e 54a 54a "

820302 contd.

0110 G4IJE AL12g 54a 54a 300
13 G3NSM ZL14e 54a 54a "
29 GM4COX YP21j 55a 55a "
33 G4KLN ZN23a 55a 55a "
39 G3ZX ZN23f 54a 55a "
48 G3LQR AM62b 53a 53a "
56 G3UVR YN55j 52a 52a "
1440 LA3UU FV63e 52a 52a 000
1517 DF10S EM52j 55a 54a 340

820201
1938 G3UVR YN55j 53a 55a 300
44 Y22ME HM53e 57a 57a 290
2126 DJØPV EN4Øj 54a 53a 280

820204
1733 GM4COK YPØ4b 52a 58a 300

811123
1547 UA1CJ ? 53a 55a 010
52 RA1AMD PT12h 54a 52a 030
1607 LA6CU CU47j 57a 55a 340
17 UA1MC PU73g 59a 57a 020
23 UA3MBJ SS28e 55a 56a 020
1726 UA3LBO QO14h 55a 55a 020
37 LJ2Z ET29g 54a 55a 020

Y07VS and Y07CJH (LE59c) wkd via Aurora on 144 MHz in cw:

810725
1433 YU10AM ? 55a 55a - tks fer info
35 HG6VV ? 57a 57a -
57 F6CJG/p BF21j 59a 57a -

YU2IQ (HE77h) wkd via Aurora on 144 MHz in cw:

810725
1416 PA3AQM CL13a 59a 59a 000 1521 DK3FW DM69b 57a 53a 000
18 DJ9CZ DL71a 55a 55a " 1908 HG1YA IH63b 53a 52a "
19 Y23SJ FKØ8c 55a 56a " 1916 YU2RZI HF52e 52a 52a 010
28 OK3AU KI27h 56a 57a " tks fer info, dr Miki
42 OK2KJU IJ48j 59a 59a "
44 PAØLOU CL44a 59a 57a "
46 PAØLSC CM63d 59a 54a "
1500 DF5DL EL23e 59a 55a "
02 F6CJG/p BF21j 59a 55a "
05 OK1DPB/p HJ2?? 53a 55a "

YU3UXW (HG5Øa) wkd via Aurora on 144 MHz in cw:

810725
1621 DK1KO FN12g 59a 56a - tks fer info, dr Milan

YU7PWX (JF39g) wkd PAØXMA (DM44h) 25.07.81 at 1442 UT 55a/52a SSB

Y22ME (HM53a) wkd via Aurora on 144 MHz: (only DX reports)

820610 GM3JFG (XR), LA1EKO (BQ), GM, LA, SM, OH, UR2.
820612 UA1MC (FU), UQ2NX (MR), GM, LA, SM, UA1, UR2, UQ2.
820711 LA, SM, OH.
820712 GM4CXM (XF), GM3JIJ (WS), GM, LA, SM, UR2.
820713 G4ASF (YM), G4JXC (XK), G6GN (YK), HG1YA (IH),
OE6WIG (HG), OE1XRA (II), YU3ACA (HF), I4BXN (FE) 58a/59a!
G3WZT (ZK), OK3TJK (II), HG7PR (KG), G3CHN (YK)
HB9OF (EH).
DL7QY (FJ) on 70cms!
DL's in DJ, DK, DL, EI, EJ, EL, FM, FI, FJ.
G, GM, GW's in YK, YL, YM, YN, YQ, ZK, ZL, ZM, ZN, AL.
PAQ's in CM, CL, DM.
820807 UQ2QCT (KR)!, GM5EHK/p (ZR), GM4IGS/p (YT), UV3NN (QR).
GM, LA, SM, OHQ, UA3, UR2.

Hörte ca. 1Std. OHQNC/OJQ, habe aber leider kein QSO geschafft, da er langsam (Tempo 60...70) das File-Up nicht aufarbeiten konnte, so daß nur Stationen mit 58a-59a eine Chance hatten. (er hier 55a-56a).

tk's fer info, dr Jürgen

I4XCC (GD23d) wkd via Aurora on 144 MHz:

1239	DK3JZ	56A	56A	EN20c	1425	Y23SJ	55A	55A	FK08c
1247	PA0RDY	54A	54A	GM54e	1430	PA3BBI	55A	55A	CM53d
1259	PA3BGM	52A	52A	DN61c	1433	PA3AAN	55A	56A	OL48b
1304	PA0ERW	54A	54A	OL48b	1440	DL6NAA	55A	55A	FK69b
1307	PA0FTF	55A	55A	CK10e	1441	PA3BYI	55A	55A	CM27g
1309	DJ9BV	55A	55A	EN40c	1444	DJ9EV	59A	59A	EJ77g
1313	DK0TU	58A	55A	GM37e	1447	PA3BBV	55A	55A	CM66g
1315	DK1KO	57A	57A	FN12g	1453	DK1PZ	55A	55A	EL59g
1317	PA2VST	55A	55A	CM24j	1455	OK1GA	55A	55A	HJ07a
1320	DK6AQ	55A	55A	FL12c	1457	PA3AIZ	55A	53A	CM72g
1330	PA3BSK	55A	55A	DL04a	1458	PA3BPC	55A	55A	CM66b
1331	PA3BRS	55A	55A	CM70c	1504	PA3AGW	51A	51A	OK19j
1337	DL6BF	55A	55A	DM57c	1511	DK6AS	55A	55A	FM44d
1345	DK2PH	57A	57A	EL03e	1515	DK4TG	55A	55A	DL63h
1353	DK2ZF	57A	55A	DN37g	1520	DF2HC	57A	57A	FN31b
1357	DL9GS	57A	55A	DL47g	1522	PA0OOM	57A	57A	DN54g
1400	DF7DJ	59A	59A	DL39a	1525	DF7DO	57A	57A	DL30h
1405	DF5DL	57A	57A	EL23e	1533	DJ4AX	55A	55A	DL47g
1407	Y22QG	55A	55A	FM79h	1535	DL8BAB	55A	55A	EN76f
1409	PA3CGR	55A	55A	DM65b	1545	DF5HC	57A	57A	FN22d
1415	OK1DIG	55A	59A	HK41f	1603	DF7OG	57A	57A	FM31j
1421	DF7KF	55A	55A	DK04e					

all QSOs in CW, QTF 015°; hrd also F6DWG, ON5QW, GW3NYY,

GW4GSS, QTF 335° and OK3AU, QTF 015°.

At 1740 gut hrd again PA2VST and PA0OOM With RSA 51A.

tk's fer info, dr Claudio

820811

15.26'	L1LEK0	57a	58a	BQ37g	20°	17.01'	GM5EHK/T.	57	56	ZR42h	20°
30'	UP2BEA	52	57	NP52g	30°	06'	SM6EAN	52	53	FR30j	20°
32'	UP2BDZ	55	57	YN52a	30°	11'	GM3EIH	55	55	YQ09b	30°
52'	G3KJY	52	57	Yn10g	20°	41'	LA9BM/OZ	52	53	EQ16e	30°
55'	GM4CXP	55	59	YP37c	10°	18.06'	GM4JLY	55	55	YF80a	25°

tk's fer info

PA 2 CHR wkd via Aurora on 144 mc in SSB:

820210						1553 GM 8 OFX	YR78a	54a	55a	15 ⁰⁰
16.37 OZ 3 YH	EQ70d	55a	55a	10 ⁰⁰		1610 GM 6 CFN	XB3Øg	55a	54a	350 ⁰⁰
.42 GM 8 OEG	YQ35e	57a	57a	10 ⁰⁰						
.49 SM 6 LIF	GRØøj	53a	52a	10 ⁰⁰		820410				
						1418 OZ 1 CFO	ER79j	57a	59a	30 ⁰⁰
820302						29 GM 3 ZXE	YQ35g	59a	59a	15 ⁰⁰
13.23 GM 8 NYC	YR78a	55a	55a	20 ⁰⁰		34 GM 8 TSI	YF16h	57a	59a	15 ⁰⁰
14.18 GI 8 UPV	XO31g	57a	53a	25 ⁰⁰		1511 GM 8 BKE	KPØ9f	59a	55a	20 ⁰⁰
15.26 GM 6 ACU	YP73g	55a	54a	20 ⁰⁰		25 SM 7 MKT	GFB8a	57a	54a	43 ⁰⁰
.32 GM 8 BXZ	YQ26j	55a	55a	20 ⁰⁰		44 GM 8 BDJ	YF19e	59a	59a	30 ⁰⁰
						1647 GM 8 OFV	YKØ5g	53a	59a	10 ⁰⁰
820402						57 GM 6 CFN	XB3Øg	58a	55a	10 ⁰⁰
16.48 GI 8 YDZ	WP67b	57a	55a	25 ⁰⁰		1707 GM 8 MNG	YF16h	55a	59a	15 ⁰⁰
.56 GI 8 UPV	XO31g	59a	57a	25 ⁰⁰		12 SM 6 KEG	GR11j	55a	53a	30 ⁰⁰
17.00 GD 4 GNH	XO67d	53a	54a	20 ⁰⁰		25 GI 8 YWV	XØ11b	51a	54a	20 ⁰⁰
.07 GM 8 MBP	YR6Øe	59a	57a	25 ⁰⁰		1830 SM Ø KFJ	IS1Øa	48a	53a	355 ⁰⁰
820403						tk's fer info				
15.30 OZ 1 CFO	ER79j	52a	54a	30 ⁰⁰						

PE1BTX (CN70f) worked via Aurora on 144MHz in SSB

820206									
1545	GM4IPK/a	YR80j	59a	56a	20°	820724			
163040						1707	LA9TW	FT44g	56a hrd 10°
1635	GD4GNH	XO67d	57a	hrd	35°	20	GM8OPK	YR48a	53a 56a 10°
820528						25	OZ9PW	BQ27j	55a 50a 10°
1430	GM8MJV	YP25c	56a	55a	20°	45	GM3ZNE	YQ35g	53a 54a 10°
35	GM8NXC	YRT8a	52a	55a	20°	50	LA6NP	ES17a	56a 58a 10°
38	LA8SJ	FT05j	58a	58a	20°	55	GM8PEX	YR80j	59a hrd 10°
57	GI8YDZ	WP67b	53a	53a	40°	56	G8XVJ	YN48f	51a 53a 10°
1503	SM4KVY	HT56c	57a	56a	40°	1301	GD4GNH	XO67d	52a 55a 20°
20	last signals					07	GM8CFE	YP04d	51a 53a 20°
820612						20	DL0PR	beacon	56a hrd 320°
1755	GM3BHU	YQ09b	59a	59a	30°				
1805	GM3ZNJ	YQ35g	57a	hrd	30°				
10	GI8YDZ	WP67b	57a	55a	60°				
17	GM8TSI	YP16h	56a	56a	60°				
20	GM3JLI	VS	52a	hrd	60°				

UA3TBM (WQ51j) wkd via Aurora on 144 MHz in CW:

820612
1546 OH7RJ NW09f 59a 59a 0° 2143 OH5IY NU 59a hrd 0°
2112 OH5LK NU37g 55a 56a 0° 2308 OH2TI NU65g 53a 55a
& v y mni U-stn all 59a

спасибо за инфо

G-15556 (ZN13g) contd.

820302 PAØFHG/A, GM, G till 1830.
 820402 PE1FJG, PA2VST, DL2LA, DFØVK, PAØFHG/A, PE1BXM, LA1EKO, GM, GI.
 820403 LA5XAA, SM4GVF, SM4AIQ, GM, GI.
 820410 PA3AOU, LA2AU, SM5DFF, DF3HA, DK1KR, F6CTW, DF2ZC, LA8UU, OH2BBF,
 DL5QG, DL2KR, GM3JIJ, EI4CL, SM5BPK, DL8HAV, OZ1DSK, OZ4VV.
 820610 GM3WCS, LA6HL, GM3JFG, LA6OJ, OZ3ZB, GM3JIJ, SM7DLZ, DL1EL, GM4JPD

tk's fer info

HGLYA/IH63b/ worked via aurora:					821307				
07.08.82					1813	G4ESM		55a	51a
1355	SM7AED	GQ56b	55a	53a 10°	17	GW3NYY	XL4ob	56a	56a
1455	OZ9FW	GP31b	57a	57a "	21	G4FUF	AL33j	56a	55a
1524	DK1KO	FN12g	59a	59a "	36	F6EOQ	YI13c	55a	55a
27	DJ9YE	FN14a	55a	55a "	37	HGoHO	KH18a	55a	55a
28	SM7AEK	GQ25a	56a	56a "	40	SM7AED	GQ56b	55a	57a
30	PAoRDY	CM	55a	55a "	45	DF3ZR	EJo5j	55a	55a
40	SM7LAD	GP48a	59a	57a "	51	DL9MCC	GH21a	57a	53a
41	PA2VST	CM24j	57a	59a "	55	F6FOE	YI13c	57a	52a
44	DK6AS	FM	59a	59a "	08	G3IMV	ZLo7h	57a	57a
45	DK3UZ	EN2oc	59a	55a "	10	G4ASR	YM76d	57a	52a
46	OZ6OL	FP5oe	57a	55a "	14	G4IGO	YL38f	55a	44a
48	OZ1FDH	GP	55a	55a "	22	Y22ME	HM53a	59a	59a
50	OZ1ABE	GPL2j	56a	56a "	39	G3COJ	ZL37a	55a	44a
					41	DK1PZ	EL59g	57a	53a
Hrd mni					48	G3TGL	ZM41f	54a	53a
DL, OK1, OK2, OE5 stns via aurora					59	OKLAWC	?	54a	57a

tk's fer info

ON4YZ (CK53e) wk'd via Aurora on 144 MHz:

820713					19.06'	G6GN	55	56	YL48h	10°
17.444	SM7AED	54a	55a	GQ56b 00°	32'	G4API	50	55	ZM24j	10°
48'	OZ1GFS/A	52	57	FR52j 10°	37'	G4TGL	52	55	ZM41f	20°
51'	G4HUP	57	52	YM10h 10°	39'	DF3FW	57	59	EM69b	35°
54'	G4IGO	57	55	YL38f 20°	41'	DF70G	55	54	FM31j	40°
18.03	EI2CA	55	55	WM10a 20°	48'	GW4GUF/P.	55	56	XM40c	30°
05'	G41FP	55	54	YN16j 20°	51'	GJ6YHO	41	51	YJ70j	20°
08'	G4FYU/A	52	52	Yn15b 20°	56	G3VIP	52	54	ZN40j	20°
11'	GD3AHW	52	54	XG67b 10°	57'	G5RM	57	57	YL08c	20°
12'	GW4EAI	56	54	YL25f 05°	20.40'	G3YRH	41	55	AL33a	20°
19'	GD8YEO	55	55	XG68e 05°	64'	G3VXM	52	57	ZK15d	25°
21'	G4GUI	58	58	ZN22j 15°						
24'	G4DF	52	56	ZN04h 10°						
54'	GW3NYY	58	59	XL40b 20°						

GM5EHK/p (ZR42h) contd.

820811	1723	G3WZT	55a	55a	ZK09j	1818	G4LMO	55a	55a	ZL13e
	24	OZ1FYE	53a	54a	FQ41h	23	G3COJ	55a	55a	ZL37a
	30	OK1BMW/p	33a	55a	HK52b	25	DK3FW	57a	57a	FM69b
	31	DF60B	57a	54a	FM42c	27	G3NAG	55a	55a	AM51g
	32	F6FLF/p	53a	55a	AK29h	29	DF5BL	55a	55a	DM37d
	34	DK1WU	53a	59a	DK06e	30	ON6UG	57a	55a	BL79g
	36	DL7ABV	53a	52a	GM37e	31	G4IGO	55a	54a	YL38f
	38	G4HGX	53a	54a	YL29g	35	DK1KR	55a	53a	FN04g
	39	G4ODA	53a	55a	ZM29g	37	PAoBLD	55a	55a	CM55j
	41	F6GIF	55a	59a	BI12g	38	G4LOH	55a	59a	ZM26h
	43	PA3AVL	55a	55a	CM78d	40	DK2BJ	53a	52a	DK11e
	45	G4CLA	55a	59a	ZM05g	42	G4EUE	55a	55a	ZM33g
	45	G3UNU	55a	59a	ZM04c	45	ON5WX	55a	57a	BK09h
	46	G4ASR	55a	55a	YM76d	47	PAoCIS	57a	57a	CM15h
	48	SM6EAN	55a	54a	FR30j	48	G3VWH	52a	52a	YM27h
	50	SM6EOC	55a	55a	GQ25f	49	G3WOH	55a	55a	YN47f
	51	F6BBO	53a	55a	BI13h	51	GD3YEO	53a	53a	XO68e
	53	F6FLB	53a	55a	AK10h	53	G3PER	52a	52a	YO76j
	53	G6GL	55a	57a	ZL24b	55	G3TA	53a	55a	YL20d
	55	G3AAQ	53a	57a	ZM45f	56	GB2XM	59a	58a	XM79f
	55	DJ4AX/p	55a	55a	DL47g	57	PA3CII	55a	55a	CL29f
	58	F6CTW	55a	55a	BI12f	59	DF3YF	55a	55a	FM63c
	1800	GM3FHH	57a	56a	YQ09b	1902	EI6AS	56a	56a	WN59c
	02	G3KJW	53a	59a	YN60h	04	G4HUP	56a	56a	YM10h
	03	PAoFRW	55a	55a	CL48b	06	G3BDQ	54a	54a	AK04f
	05	G4GFX	55a	55a		08	G14GVS	55a	54a	XO21b
	13	G3IMV	55a	57a	ZL07h	10	G3NSM	57a	57a	ZL14e
	15	PA3BSK	55a	55a	DL04a	14	EI9BG	53a	55a	VM27c
						16	G13TLT	55a	55a	XO33f
						21	GM5FNZ	59a	59a	WC49j

tk's fer info, dr Rudi (PA3BBA)

GM5CJF (YR80j) wkd via Aurora on 144 MHz :

7.VIII.1982					1410	SM6QP	55a	58a	GR11h
1348	PA2VST	59a	59a	CM24j	11	PAoPHG	57a	59a	CM74e
49	PA3BBI	59a	59a	CM53d	14	F6KBF	55a	55a	BL01j
52	DL7AFB	57a	57a	GM37e	15	F9YW/p	53a	57a	AK80f
52	DF5BL	55a	55a	DM37d	19	OH2TI	53a	57a	MU65g
55	ON5QW	55a	57a	BL80f	20	SM5CBN	53a	55a	HS56c
56	DF8OB	55a	57a	FM47c	21	G4KPK	53a	57a	ZL38d
58	PA3BAS	55a	55a	CL48a	22	F9XG	53a	55a	AJ31e
1400	ON7FH	55a	59a	CK03f	24	G4XTP	55a	55a	ZO11b
00	DF8AT	55a	59a	FM73e	25	G3JRM	53a	55a	AM49a
02	DK2PH	55a	57a	FL03e	27	DF6VW	33a	55a	FM55j
03	DF9CY	55a	58a	FL02e	33	OZ4VV	59a	59a	FQ17a
05	DF7KF	55a	55a	DK04e	35	DK2DO	55a	54a	FK09c
06	DJ9UX	53a	55a	DL66e	35	DL0WW	55a	55a	FJ33h
07	DL1EAF	55a	59a	DL62h	38	F9HS	53a	56a	AI25j
					55	DL6BF	57a	59a	DM57c

tk's fer info

G-15556 (ZN13g) hrd via Aurora on 144 MHz:

820201 OZ4VV, SM4IVE, F6EQQ, 820217 G, GM, GI, GW.
 820302 GM3JIJ, OZ4VV, PAØOOM, OZ6OL, EI4AZ, OZ1FGP, SM6AEK, PAØRDY, OZ1EKI
 OZ3ZW, PA3BIY, SM6CMU, DJ9BZ, EI4CL, DF1OH, PE1DUW, PE1FIG, PAØEKR
 ON4TX, DF2HC, PA3BRS, SM5CHK, F6DWG, SM4FXR, PAØRDY, DJ9YE,

DK5AI (FL33b) contd.

820807

0054 SM1LMV HT57g 56a 56a
0117 UK2RQT MS80e 59a 59a
0121 GM4JLY YR80a 56a 55a
1313 SM7KXK HP32c 56a 57a
1338 GM5EBK/p ZR42h 57a 57a
1340 GM3WCS YQ73c 55a 55a

1420 SM7BYU GM15d 55a 55a
1444 GM4JEW YQ38g 55a 51a
1530 SM7IWG HR61g 59a 59a
1538 UK3AAA IM07a 55a 55a
1618 UW3NN QR60b 53a 13a

820811

1728 GM3EHH YQ09b 55a 55a

1744 GM4JEW YQ73h 55a 55a

DK5AI (FL33b) wkd via Aurora on 432 Mhz in CW:

820807

1500 DF5LQ L050j 52a 52a
1509 PA0PHE CL03j 55a 51a
1519 F1BER/p WJ30j 51a 51a

hrd: 0420E 57a
G3LTF 52a
DF10H 51a tks fer info

F6HLC (CG32g) wkd via Aurora on 144 MHz in CW:

820713
1910 G4IGO YL28f 55a 55a 300
2040 DF8LC FN02a 55a 52a 330
2320 G4ODP Z079c 55a 57a 100
25 G4FUF AL33j 55a 55a 100
26 G4JJB Z034d 59a 59a 100
27 G4LDZ AM27e 55a 55a 100

2332 G4ODA ZM20g 59a 59a 100
38 PA2VST CM24j 55a 55a 100
40 G4LDZ AM27e 55a 55a 100
48 G3UVR YN55j 58a 59a 100
50 G4CDC ZN37c 59a 59a 100
55 GW4EAI YL25f 55a 57a 100
57 SM7FJE GQ56b 55a 52a 100

820714
0000 OZ1EYX GQ 51a 55a 100
05 G4HUV YN67g 55a 55a 100
10 GW4GUF YM 59a 59a 100
20 G4MEJ ZM67e 55a 56a 100
25 G8JNV ZM39c 55a 59a 100 S
30 G8RYK ZN74g 55a 58a 100 S
43 G3ERG ZN28b 55a 55a 100
46 PA2VST CM24j 55a 55a 100
52 PA0WWM CM63g 52a 53a 100
56 GW4ORJ/p XM40c 59a 55a 100
0100 G3NSM ZL14e 55a 56a 100

0105 PA2ELS CM55a 52a 51a 100
10 PA3BIY CM72c 55a 55a 100
15 DF10H EM57j 55a 52a 100
25 G3UVR YN55j 55a 55a 100
30 G8SBD ZN21h 55a 55a 100 S
35 G8WPD ZN51e 57a 57a 100 S
50 G4DEZ AL35g 55a 55a 100
55 PA0HIP CL34b 55a 58a 100
57 G3TBK ZN77g 59a 59a 100
0210 GD3YEO X068e 59a 59a 100
20 G4DCV AL67d 55a 55a 100
50 EI6AS WN59c 55a 55a 100

hrd mni G, PA, GW, DL, ON, GI4GVS XO (SSB).

mci bcp pr info, cher Christian

AUFOPAL E ??? 24/25.7K

G3PRV (YK32P) WKL.

1933	LA8AF	FT	1291	KM.	WKL. SLE
	LA9DI	FT			HFD. SSE
	LA9CM	FT			HFD. SSE
2732	SM6GUS	GF	1288	KM.	WKL. SSE
2276	SM6CIY	FS	1320	KM.	WKL. CV
2258	SM6AIG	HT	1481	KM.	LOST CSE (CW)
2339	SM6NET	GS	1389	KM.	WKL. CV

DB6BX/A (DM46j) wkd via Aurora on 144 MHz in SSB:

820528					1517 GM8MJV	YP25g	54a	54a	12°
1512 SM4KVV	HT53c	53a	54a	15°	39 LA6CU	CU47j	51a	53a	ø°

tk's fer info, dr Peter

DF8AE (EM73e) wkd via Aurora on 144 MHz:

<u>22.2.82</u>					<u>10.4.82</u>				
1604	SM6IHF	?	52a	?	1538	GM8MBP	YR16e	52a	55a
1818	LA6ZW	ET29g	52a	54a	1550	La8IE	ES35e	52a	53a
1830	UR2RQT	MS80e	52a	56a	1610	LASUU	CT80j	52a	57a
1835	SMØHAX	JT21b	52a	55a	1630	SM5DFF	IS31c	52a	55a
<u>1.3.82</u>					<u>12.7.82</u>				
1512	LA3UL	FT78h	52a	52a	1520	SM6EAN	FR30j	59a	57a
1520	G4DEE	YN39b	52a	52a	1524	SM5IXE	IS21c	52a	53a
1534	G3UNU	ZMØ4c	52a	55a	1534	SM6CMU	FR50b	55a	56a
<u>2.4.82</u>					<u>13.7.82</u>				
1642	SM6CMU	FR50b	52a	56a	1738	SM7AED	GQ56b	52a	44a
1652	GM4CXP	YP37c	52a	54a	1805	G4IYA	AL43f	52a	42a
<u>3.4.82</u>					<u>19.7.82</u>				
1514	SM5MIX	HS66g	52a	52a	1940	G4ISM	AL56h	52a	52a
1700	SM4AIQ	HT51j	54a	55a	1951	G3WZT	ZKØ9j	52a	52a
1709	SM4FXR	HT57e	52a	52a					
<u>7.8.82</u>									
1402	GM5CJF	YR80j	59a	55a					
1415	SM7WT	GP27c	59a	57a					
1441	GM5EHK/P	ZR42h	55a	57a					
1506	GW2HIY	XN57j	51a	51a					
1523	SM7IWG	HR63g	51a	51a					
1527	DF8XO/OZ	ER59f	51a	54a					
1546	G3TGL	ZØ41f	52a	56a	tk's fer info				

DK5AI (FL33b) wkd via Aurora on 144 MHz in cw:

820712					1608	SM6CMU	FR50b	55a	55a
1510	SM5AKU	HT80f	57a	57a	1712	SK6HD	GS68j	55a	55a
1514	SMØDCX	IT70b	59a	59a	1713	LA9CN	FT72h	13a	52a
1519	SM5MIX	HS66g	53a	55a	1715	SM6EAV	GR20j	55a	57a
1532	SM5CBN	HS50c	56a	57a	1716	SM4HU	HT51C	53a	51a
1538	UR2RQT	MS80e	56a	59a					

YUZZES (GFBScd) wkd via Aurora on 144 MHz:

820713

1850 GK3NYY XL40b 57a 57a
56 G4ISM AL56h 55a 55a
1910 G4ASR YM76d 52a 52a
28 G4IGO YL38f 41a 41a
47 DK1FZ EL59g 52a 53a

The opening lasted until 2020.

Hrd: DL9GS, GW4GSS, PA2VST, Y22ME,
G4FUF, G3IMV, DJ4AX;
QTF: C-10°.

820714

0134 G3TEK ZN77g 55a 53a 350°
36 G3NSN ZL14e 53a 52a 350°
40 EI6AS WM59c 55a 55a 350°
46 PA2VST CM24j 57a 53a 350°
48 GW4GSS YM75j 55a 55a 350°
59 G3BYO X063e 52a 53a 350°
0204 GFUVR YM55j 57a 53a 350°
06 PA2GFL DM65a 55a 51a 350°
12 G4ERG ZN28b 56a 55a 335°

0214 GW3NYY XL40b 57a 57a 335°
17 PE1AGJ DK01f 53a 51a 335°
23 PA2ERW CL48b 52a 54a 335°
25 GW2HIY XN57j 59a 57a 335°
28 G6ABU ZN05h 57a 55a 335° SSB
34 EI6AYB WM70a 55a 55a 335° SSB
41 DJ9BV EN40c 55a 55a 0°
55 GW4CJR/pXM40c 51a 52a 345°

820807

1452 DK1KO FM12g 55a 37a 0°
1504 PA3BYI CM27g 53a 52a 10°
06 DJ9YE EN14a 56a 56a 10°
08 PA3BIY/A CM43f 53a 53a 10°
11 DF7CG EL31j 54a 53a 10°

1518 UK3AAA hrd(52a) 5°
1545 - 1602 GE2XM hrd 345°

Hrd also: PA0CCS/A, DJ9BV, DK6AS,
PA0OON, PA2WEM, DK2FH, DK1WB, PA0CTC,
Y22ME, PA2VST, DK3UZ.

73 and cuagn, Stane 

Dear AURORA-NEWS contributors!

Due to an increasing lack of free time because of QRL and other commitments, and a rapidly deteriorating typewriter, I regret having to present the 'News in this new way. From now on I find myself unable to accept hand written reports, except from countries where Latin type faced typewriters are a rare commodity as U, LZ, SV. This new policy shall continue until someone else volunteers to take up the reins.

Vy 73 es good DX, ur



(DK3UZ)

USE FOR CW CQ CALL 144.050 MHZ

1174mm (1153c) contd.

07374 (5119) contd.

820301	1501	SM5BL	57a	59a	IS21d	350	1704	SM5API	52a	55a	7	250
	1506	SMONGS	55a	55a	IT68b	350	2130	Q12FDH	53a	55a	Q222f	420
	1510	SMALX	51a	44a	Q14Gd	300	2149	LA5BT	53a	55a	PT04e	420
	1512	Q12DB	55a	55a	SK73a	100	2155	G3JXA	55a	55a	IT176e	350
	1516	PT69d	57a	57a	BJ21j	150	2204	G3JLB	55a	55a	IT176e	350
	1540	SM5BFP	58a	55a	IT50b	150	2208	G4HDB	55a	55a	IT53e	350
	1551	DK28J	55a	55a	DK11e	150	2223	F6DNU	52a	55a	PT14e	300
	1556	LAKVY	55a	55a	PT27c	150	2229	G4REJ	55a	55a	LA87e	0
	1620	LATN	55a	55a	DT78d	0	2257	Q4JAH	55a	55a	LAKVY	0
	1652	SMXLP	55a	55a	IO35a	150	2304	Q8ZTJ	55a	55a	LAKVY	0
	1700	Q4AUC	55a	57a	HT11a	150	2334	Q8JJJ	53a	55a	W690e	550
820302	0002	Q4ACUX	54a	54a	YP21j	3550	1420	SM3GHD	52a	56a	GT70e	360
	0009	Q4BFA	58a	57a	YP70f	3550	1516	QNAYZ	55a	52a	CK53e	360
	0034	Q4GAC	58a	57a	XP09e	3550	1628	SM4GZ	54a	57a	PT50b	100
	0058	Q4JUF	52a	52a	YB53f	3550	1637	SK4BI	55a	55a	GT48d	250
	0059	Q4BDB	52a	52a	Y033e	3550	1642	LA4TB	55a	55a	PT14e	360
	0061	Q4BDB	52a	51a	X033j	3600						
820410	1334	LA5IE	55a	53a	CU47j	400	1633	LA7XK	55a	55a	PT05a	100
	1341	LA83J	57a	57a	G062d	400	1638	QNLB	52a	55a	DK11e	100
	1407	SMX3P	55a	55a	IO35a	100	1642	DK28J	52a	55a	DK12f	100
	1416	LA6GB	57a	54a	G41e	100	1644	DK31K	52a	55a	EJ24b	100
	1433	Q4ATL	55a	55a	Y24e	0	1647	SM4FJ	52a	55a	EJ24b	100
	1440	Q4BYF	53a	52a	IP04d	0	1651	DK22Z	52a	55a	CT43j	0
	1444	SHOYJ	53a	55a	YF59d	0	1656	LA7D	58a	57a	PT73j	0
	1515	Q4ELN	53a	55a	ZR23a	50	1707	LA4D	57a	55a	CT40j	0
	1540	P43BYI	52a	51a	QW27e	50	1721	LA4D	57a	55a	PT78b	0
	1543	Q4ISE	55a	52a	LA12g	80	2223	Q4JSM	53a	51a	2L11a	350
	1603	G4DRE	55a	52a	YB39b	550	2304	SM5IE	53a	55a	IS21e	400
	1614	Q38W	51a	43a	IO35g	100						
	820501	1730	LA6CU	55a	55a	CU47j	500					
820527	1444	SM5EFP	52a	55a	HT50e	450	1657	SM5API	52a	53a	IT10d	400
	1510	SM5PND	55a	55a	HT70j	450	1703	SMOKR	54a	55a	JT41j	300
	1538	LA9BM	53a	52a	W036j	150	1714	SM5MIX	53a	55a	BB66b	500
820529	1455	LA6CU	55a	55a	CU47j	3400	1539	LA3BU	55a	55a	PT12g	100
	1508	SMOLRN	53a	53a	JT71h	150	1543	LA8AE	55a	55a	PT72h	100
bks for info												

C-15556 (Zn13a) contd.									
151122									
1501	PA3BAG	CL02e	59a	SSB	070	811023	0002 PAJUMU	57a	CW 050
05	PL1AXI	52a	"	"	"		04 PA31TY	55a	CW 050
09	PA3ANG	54a	"	"	"		06 PA4FFE	54a	CW 050
12	PA4BEG	47a	"	"	"		08 PA3ANV	56a	CW 050
15	PA3A9N	CW63g	59a	"	"	811111			
20	PL1CUX	CW67B	57a	"	"		2155 GW5FM	53a	SSB 030
20	DL1Y8U	LK76G	57a	"	"	2200	GM43UC	51a	CW "
23	PL1B9K	CW76e	57a	"	"	04	GM33CS	YP	" 025
34	DE4LAR	CL1	54a	"	"	05	GM40YF	YP4b	51a
43	021E0H	CW22c	51a	"	"	811114			
45	DL1C3Z	FM47F	59a	"	CW 060	1703	GR8NXC	YR	56a SSB 025
47	UN2R0R	NS60F	54a	"	"	20	GM41AO	YR48H	52a CW 035
1603	FLK0F	CL07J	59a	SSB	045	21	GR531J	WS69c	51a " 030
18	DM7FEI	CL07F	52a	"	"	40	GR57FM	WR	51a " 010
34	021E1F	CL07F	43a	"	"	54	GM4LPG	YR52F	51a SSB 015
37	021F7Z	C529H	51a	CW	015				
1712	LA3CQ	CN53c	52a	"	C45				
18	PA20MM	DN53c	55a	"	"				
19	LS9TF	FN	54a	"	"				
21	PA4R0Y	CW45e	53a	"	055				
26	PA2MGT	CW24J	54a	"	"				
2137	OK18M	OM67a	52a	"	045				
3333	PA4R0Y	CW45e	54a	"	"				
359	PA4YRL	CW45e	54a	"	"				

[illegible]

GAIGU (YL30F) cont'd.

820430Z	0219	GM40FX	YR72F	56A	59A	050	
	38	GR35CV	X061E	56A	54A	"	
	Hrd	wid	DTF	0410	- 020	"	SM, LA,
	GM, OZ,						
	Hrd	wid	DTF	0450	- 055	"	G, GW,
	GI, EI, GO, F, D,	PMW,	OZ,	UO,			
820402							
	1642	DL2LH	E028A	55A	54A	055	
	0230	GR40H/A	0M23F	33A	57A	"	
	1621	- 1827	Hrd:	G3VVF, GM4BYF,			
	GAT-59,	GR43X,	GR43XP,	GM4CXM,			
	GAKLN,	GM4LX,	PM02W,	E14CL,			
	GR40K30Z,	G44JLJ,	GR4UCS,	GR331J,			
820403							
	1600	GM4LS9	P	X052E	52A	42A	015
	56	SR42VF	HT76A	55A	54A	015	
	1621	- 1827	Hrd:	GM4CXM,	GR43XF,		
	GR43V,	GR4CFL,	GR4CFL,	GR4CXM,			
	GR447JZ,	GR447JZ,	GR447JZ,	GR447JZ,			
	GM44LS,						
820404							
	1642	DL2LH	E028A	55A	54A	055	
	0230	GR40H/A	0M23F	33A	57A	"	
	1621	- 1827	Hrd:	G3VVF, GM4BYF,			
	GAT-59,	GR43X,	GR43XP,	GM4CXM,			
	GAKLN,	GM4LX,	PM02W,	E14CL,			
	GR40K30Z,	G44JLJ,	GR4UCS,	GR331J,			
820405							
	1600	GM4LS9	P	X052E	52A	42A	015
	56	SR42VF	HT76A	55A	54A	015	
	1621	- 1827	Hrd:	GM4CXM,	GR43XF,		
	GR43V,	GR4CFL,	GR4CFL,	GR4CXM,			
	GR447JZ,	GR447JZ,	GR447JZ,	GR447JZ,			
	GM44LS,						
820406							
	1746	Hrd	wid	QTF	20	- 25:	
	1628						
	GM44LS,						
	GM44HJ,						
	GM44HJ,						

1425 - 1500 Hrd: GM4EJZ, G180PV,
GM4T40, GM4JEZ, GM4JCM, G3VVF,
SK7JD, G4DEZ, E16A3, PM0CM,
G33WV, U02GL, 0227M, G4LKA,
GM4ILS, F68H, SR42VF, E12CA,
2208 - 2311 Hrd: GM4LJ, GM3WJF,
0235G, SM05RT, SM05C, GM4JEZ,
G4H4D, E14CL, GM4E5B/P, 029FU,
GM4CXN, GM4BYF, GM4JEZ.

1746 Hrd wid QTF 20 - 25:
GM4CFL, GM4CXM, GM4JCM,
GM4HJ, GM4HJ,

For info, dr Ken

[illegible]

VHF + NEWS + SKEDS + COMMENTS + SUPPLEMENTS

by DL 7 RU

VOR Bakenliste

Für alle OM's die E Ausbreitungsbedingungen beobachten, ist eine VOR-Bakenliste (108 - 140 MHz Flugfunkbaken) gegen Einsendung von 4 IRC's bei PAØXMA, Marc Pouwels, Mölinksweg 2x, 7691 P.J. Bergentheim, Niederland, erhältlich.

" SPORADIC E "

DURING THE PAST FIVE YEARS SPORADIC E THEORY'S HAVE BEEN THE DISCUSSION OF MANY EUROPEAN SOCIETIES, VARIOUS THEORY'S EXIST, BUT NOBODY HAS YET GIVEN FIRM INDICATION OF HOW "ES" IS PRODUCED, OR WHEN IT CAN BE PREDICTED. RECENTLY IT CAME TO LIGHT, THAT, AT THE SAME TIME EUROPEAN STATIONS WERE WORKING "ES" ON 144MHZ, USA STATIONS ALSO WORKED "ES", (WITHIN THE SAME DAYS). DURING 1978, 1979, 1980, 1981, AND NOW 1982 A REOCCURANCE HAS HAPPENED 27 TO 31 DAYS AFTER THE FIRST EVENT. IT WOULD BE A SILLY THING TO SAY THAT THIS IS A COINCIDENCE!! IS THERE A CONECTION ? AT PRESENT THE CCIR IN EUROPE ARE COALATING WITH VARIOUS SOCIETIES IN EUROPE ON A "ES" SURVEY, THIS IS A SURVEY NOT A STUDY, PRESENTING THE AMATEUR WITH NO USEFUL INFO!, SO, A WORLD "ES" STUDY IS TO BE CARRIED OUT, NORTHERN HEMISPHERE AND SOUTHERN HEMISPHERE. WE HOPE TO COMPARE NORTHERN AND SOUTHERN HEMISPHERE "ES" TO SEE IF THE "SOUTHERN HEMISPHERE "ES" PEAK IS THE NORTHERN HEMISPHERE WEAK" AND VISA-VERSA, WE NEED ALL INFO, DATE, TIME, FREQUENCY, DIRECTION, PLUS A WEATHER MAP IF POSS. THIS WILL THEN BE FED INTO A CENTRAL COMPUTER FOR ANALYSIS, SOLAR GRAPHS WILL ALSO BE WELCOMED BUT WILL BE SUPPLIED BY THE WORLDS TOP GEO' STATION, MANY COUNTRIES ARE PARTICIPATING IN THIS LONG TERM EVENT LIKE, VK, G, W, HB9, KH6, VE, YV, JA, ZL, PLUS OF COURSE MOST OF EUROPE, ALL KNOWN "ES" OPERATORS WILL BE SENT THIS LETTER, IT IS HOPED YOU WILL HELP IN PLAYING THE VITAL LINK IN THIS IMPORTANT STUDY, PLEASE SEND ALL INFO TO, G BROWN, GJ4ICD, P.O. BOX 100, JERSEY ISLAND, C.I. EUROPE.

"QTH Locator & Country-Checklist for VHF/UHF Operation

Ursprünglich für den Eigenbedarf gedacht, hat Wolfgang (DJ3TF) eine Übersichtsliste entworfen, in der man eine gearbeitete Station in das entsprechende Großfeld eintragen kann. Die QTH Großfelder sind alphabetisch geordnet. Ferner beinhaltet das Büchlein eine Länderliste sowie eine Tabelle zum eintragen des eigenen ODX. Die "QTH Locator & Country Checklist" ist gegen Einsendung von DM 2,20 in Briefmarken oder für ausländische OM's von 2 IRC's erhältlich bei: Wolfgang W. Wessely, DJ3TF, P.O.Box 2211 D - 8450 AMBERG West Germany

OZ 9 PW is looking for MS-Skeds in SSB on 144 MHz

Rig: RX/TX: TS 700G with BF 981 Pre amp. PA: 100 Watts,
Ant.: 4x6 el. L.Vagi H-stacked.

Address: Erling Frøsch, OZ9PW, Lyngvej 17, DK-9631 GEDSTED, DENMARK

Telefon: 45-08-645330

or via OZ4VV and OZ2Z6 in the VHF Net.

Y23ZI ex DM2CZI QRT

Ohne genaue Angabe von Gründen ist OM Sigi (Y23ZI) die Lizenz entzogen worden. Sigi bittet uns hiermit diese INFO sowie seinen letzten DX-Stand zu veröffentlichen.

QRV von 1963-1982, QSO's (mit KW): 332057! DXCC (VHF): 42:42

QTH Felder: 268 davon 241 bestätigt.

ODX via Tropo 1785, Aurora 1280, MS 1845, E_s 2075 KM.

Sigi grüßt auf diesem Wege alle VHF HAM's und besonders MS OP's.

AGCW-DL VHF-CW-Contest (820626)

Class A / Klasse A:

1. DLSNAN/p	FK80h	36	17	4	8806
2. YU70QC	KF42d	38	12	5	5846
3. DF9SF/p	FI11j	28	12	3	5346
4. DF1DN/p	DL49a	27	11	4	5301
5. DL6FAL	EK74a	25	10	4	4950
6. DF3TT/p	EI38d	27	12	2	3938
7. DL3SAS	EI27h	26	11	2	3906
8. DH2FAW/p	EK50b	26	10	2	3640
9. DL2KBD	DK05h	19	8	4	3220
10. DL2ZAU/p	EK50b	23	11	2	3213
11. Y23QD/p	GM58c	17	10	4	2910
12. Y23GA/p	F080b	16	9	4	2784
13. DJ6OP/p	EI17j	24	7	1	2028
14. OK1PG/p	GK45c	15	8	3	2001
15. DL9AAA	EL19j	15	12	2	1826
16. DF5DL	EL23e	13	8	2	1494
17. Y23TD	GM07b	11	6	3	1449
18. DL5LH	F051j	9	7	2	935

Class B / Klasse B:

1. DL3AP/p	FL33b	46	22	5	9071
2. DL4FAF/p	EJ14h	42	18	5	8213
3. DF8IK	EJ23f	43	17	4	7104
4. DK2BJ	DK11e	43	17	4	6364
5. DK8WT/p	EK63h	51	16	2	6058
6. DF1NY	FK64d	40	16	3	5270
7. DF1OY/p	EL24b	33	16	4	4644
8. DF0VK/A	DL30h	32	16	5	4469

B EACON NEWS

by DL 7 RU

The actually beacons in France:

FXØTHF	144.895	AI4Ch	30 Watts	2xturnstile	omni	246m	F1
FX3THF	144.905	YI13d	30 Watts	2x9el.yagi	E	80m	F1
FX8VHF	144.955	AF57e	20 Watts	big wheel	omni	400m	A1
FX1UHF	432.830	BI21b	10 Watts	4xbig wheel	omni	160m	F1
FX4UHF	432.870	ZD52c	10 Watts	2x6el.yagi	NNE	900m	F1
FX1SHF	1296.730	BI14c	10 Watts	alford slot	omni	?	F1

All other beacons are deleted. INFO F6CGR

Receiving reports of FX8VHF please send to : F6CJG

LA3UHF	432.880	ES71e	7 Watts	15el.yagi	S	10m	A1
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INFO LABAK

GB3SX	70.040	AL71d	50 ERP	2el.yagi	NW	168m	F1A1
GB3SU	70.050	ZN61a	20 ERP	2xturnstile	omni	440m	F1A1
GB3LER	144.965	ZU65f	40 ERP	4el.yagi	NNE	107m	F1A1

Supplements send to : CLAUD NEIE (DL7QY)
D-7181 RUDDLFSBERG 24

Class C / Klasse C:

1. DF7DJ	DL39a	66	29	8	13248
2. DKØTU	GM37e	53	27	7	9424
3. DJØJJ	EI12h	49	26	7	8601
4. DJ4AX/p	DL47g	57	26	6	8160
5. DF5JB	DL67h	59	19	4	6864
6. Y31QM/A	GL53g	51	23	3	6460
7. DL1FAM/p	EJØ5h	35	17	4	4144
8. DK1HO	EJØ4b	33	14	4	3434
9. Y82AFS	HN41j	26	13	5	2888
10. DL3NAW/p	FJØ5e	25	13	4	2541
11. DL9SAJ	FI51e	22	11	3	1690
12. Y46SF	HL24h	16	10	4	1440
13. YU2RZQ/2	HF74e	16	11	3	728
14. OZ1EQX	EP78g	7	6	2	352

Checklog PA2WJZ.

Columns left to right: place, call,
QTHL, QSOs, squares, countries, points.

Spalten v.l.n.r.: Platz, Call, QTHL, QSOs, Großfelder, Länder, Punkte.

EUROPEAN VHF TOP LIST

144 MHz

NR	CALL	QTH	WGD	TROPO	AURO	MS	ES
001	V22ME	HM	415	1577	1579	2293	2157
002	DK6AS	FM	414	1460	1385	2510	1930
003	SM7AD	GO	411	1522	1600	2274	2186
004	SM7FJE	GO	407	1642	1600	2241	1761
005	PH0RDY	CM	374	1499	1959	2262	2295
006	DK5AI	FL	363	1565	1510	2275	2282
007	F6CJG/V	BF	357	1748	1892	2510	2836
008	DF3NU	FN	332	1643	1808	2106	2222
009	SM0FFS	JT	327	1820	1580	2030	2190
010	SM4IWE	HT	322	0950	1940	2026	2122
011	UR3LBO	OO	316	1604	1939	2273	2467
012	I6WJH	HC	315	2224	1500	2214	2374
013	DK1KO	FN	315	1525	1745	2124	2194
014	SM5CHK	HS	315	1262	1753	1995	2060
015	SP2DK	JO	313	1464	1730	2337	----
016	PR0VST	CM	313	1459	1803	2572	2221
017	DU5MS	GI	308	1280	1460	2102	1930
018	HG1YA	IH	304	1612	1561	2183	2885
019	SM5BEI	JU	304	1525	1777	2027	2455
020	OZ1EYV	GO	304	1382	1602	1839	2126
021	OZ1EKI	EP	301	1450	1777	2088	2273
022	DK4TO	DL	301	1410	1730	2440	2000
023	OZ1FIDH	GP	301	1367	1542	1981	2287
024	DL4ER	DL	300	1468	1723	2078	2247
025	DK3UZ	EN	295	1580	1837	2021	3100
026	DL70Y	GM	293	1402	1751	2353	1845
027	OK3AU	LI	285	1608	1637	2065	2626
028	I4ENH	FE	279	1600	1520	1916	2670
029	G3FOI	AL	278	1500	1565	2113	2000
030	OK1KXK	HJ	276	1483	1618	1916	1848
031	PH0OOM	DN	275	1320	1802	2310	2215
032	OZ2FV	GP	273	1328	1618	1954	1963
033	L8CPT	FT	272	1438	1660	2020	2427
034	UR2ROT	MS	272	1210	1840	2172	----
035	SM5CUI	IT	271	1590	1600	2190	----
036	DL1MF	GH	271	1530	1512	2085	1899
037	OK5OW	EL	270	1430	1625	2080	2150
038	V23CI	FL	268	1785	1280	1925	2075
039	SM3BTU	HA	268	1460	1890	2260	2250
040	YU2IO	HE	268	1210	----	1955	3462
041	V21PL	GL	266	1760	1360	2110	1960
042	SP5JC	KM	266	1740	1740	1980	1861
043	OK3HT	LV	265	1355	1669	2217	2063
044	DF10H	EM	264	1564	1671	2242	1961
045	SM7GKU	HS	264	1250	1773	1966	2007
046	UR2EO	NT	263	1245	1840	2240	2245
047	PR0FTF	CK	261	1500	1800	----	2300
048	SM4COK	HT	261	1440	1570	2080	1940
049	SM7NT	GP	260	1590	1680	1930	2180
050	I4ERT	FE	260	1550	1420	2240	2505
051	DK1P2	FL	257	1567	1364	1867	1866
052	OH2BBF	LT	257	1388	2000	2125	2144
053	SM6HAK	JT	257	1350	1640	1820	2230
054	OZ1FTU	FP	257	1282	1558	1903	2315
055	ER3LL	AB	256	1995	----	2155	3215
056	DU3C2	DL	256	1650	1862	1935	2015
057	SM2CJR	KZ	256	1630	1660	2310	1810
058	PH0MM	CM	251	1303	1639	1997	2212
059	YU3ES	GF	251	1167	1004	2074	2483
060	YU1UE	FE	250	1680	----	2200	2380
061	DF1JC	DL	249	1270	1830	2348	2007
062	OZ2MVA	HH	248	1610	1240	2160	1785
063	YU2IS	VF	248	1380	1775	2040	2360
064	SM5DRV	HR	248	1330	1410	1810	----
065	I3LGP	GF	247	1000	1300	2020	3150
066	YU7EN	CK	246	1868	1172	1930	2425
067	SM6JW	IS	246	1340	1810	1840	2160
068	I6WJH	HC	245	2075	1058	2214	2261
069	V21PL	GL	244	1760	1360	2110	1960
070	F6CJG	BJ	243	1400	1613	2143	2448
071	PA3AOU	DM	241	1392	1673	1763	2193
072	ON6UG	BL	241	1089	1013	2640	3296
073	PA6KV	DN	240	1361	1610	2051	2236
074	OZ6OL	FP	239	1800	1700	----	1800
075	G4160	YL	239	1358	1770	1956	2198
076	SM4RW	HT	238	1714	1760	1880	1960
077	OZ8SL	GP	238	1476	1305	----	2188
078	OH9JN	JU	238	1451	1856	2108	2198
079	YU7EKN	KF	237	1868	1172	1956	2425
080	SM3DCK	IV	237	1300	1850	1990	----
081	PA3BER	CM	236	1300	1435	1907	2311
082	F1FHI	JT	234	1437	1292	2125	2467
083	SM5B2	ZH	233	1830	1720	1890	2080
084	PA3BIV	CM	233	1300	1850	2000	2396
085	DL7ZL	GM	232	1401	1254	3200	3800
086	DF6NA	EJ	232	1156	1120	2080	1709
087	SM5FFH	HT	231	1580	1690	1650	----
088	F6CJG	CG	231	1354	1199	2050	2705

089	SM4GGC	GT	231	1286	1815	1856	1670
090	H6SET	KG	231	1231	1118	2000	2182
091	OZ1CLL	GP	230	1369	1969	1448	2208
092	SM5CNO	HS	228	1698	1751	1909	1843
093	G4SDC	ZO	228	1485	1342	1942	2285
094	OK1FM	GI	226	1843	1438	2200	1827
095	SM3COL	IW	226	1784	1693	2122	2367
096	SM3AKW	IW	226	1600	1770	2150	2310
097	YU3CAR	HG	225	1463	1530	2165	3356
098	GFUF	AL	224	1810	1410	2466	1800
099	V23FG	FM	224	1560	1375	2010	2082
100	DF8VS	DJ	223	1350	1880	2240	3230
101	G3CHN	YK	222	2656	2138	----	2358
102	SH0TOT	JT	218	1300	1700	1820	2100
103	DF2ZC	DK	218	1890	1686	2004	2009
104	UC2ARE	NN	217	1350	1850	1980	2280
105	UE5JIN	RE	216	1709	1497	2500	2826
106	OZ1D00	GP	216	1268	1562	1879	2260
107	OH4VZ	CK	214	1530	1780	----	2180
108	UR26Z	MS	214	1357	1720	2141	2174
109	SM5EJN	IT	212	1770	1630	2240	1920
110	SM6KOU	GR	212	1530	1560	1470	1790
111	SM4OJ	JT	212	1380	1580	1930	----
112	DK2PR	EN	211	1450	1520	1940	2025
113	DK3XT	FN	211	1350	1430	1800	1990
114	G3JICD	VJ	209	1420	1100	2050	2090
115	SM5CNF	HS	208	1660	1730	1850	----
116	DF5DL	EL	208	1389	1596	2033	2020
117	SH0VVO	IT	207	1380	1710	1890	2326
118	OZ3GAV	FQ	207	1340	1580	----	2338
119	YU1EV	KE	206	1650	----	2165	2200
120	DF60B	FM	203	1421	1349	1829	1863
121	SH0HRO	HT	202	1500	1590	1950	1930
122	F80P	CG	202	1228	1196	2028	2720
123	Y23FA	GO	202	1168	1150	1710	----
124	PA3GER	CL	201	1327	1249	2100	2118
125	SM3FGL	IV	200	1553	1650	1955	----
126	OZ1ASL	GP	199	1339	1675	1680	2323
127	UR3MBJ	SS	198	1200	1764	2573	2110
128	ON3H8	GM	197	1489	1667	1872	2231
129	V2400	CH	197	1250	960	1846	1840
130	Y24TH	OK	195	1750	1310	1920	1630
131	L8ARK	GS	195	1325	1722	1797	----
132	OE5JFL	GI	193	1503	1155	1964	1823
133	F43SEK	DL	192	1387	1558	1290	2148
134	OE5KDO	JH	192	1307	----	1649	2195
135	SM5AM	JT	191	1330	1740	----	2000
136	OK1KHI	F	191	1635	1156	----	2000
137	PR0BET	DL	191	1078	1377	2498	2042
138	UR2GR	MS	189	1200	1750	1600	2100
139	L8ARK	EU	189	1060	1375	1680	2165
140	I1DMP	DF	189	1001	930	1864	2718
141	DL7AH	CM	188	1310	1140	1936	1845
142	F80AND	CM	188	1279	1586	1940	1873
143	DL3LL	FO	187	1525	1187	1575	1812
144	SM7GEP	HR	185	1140	1423	1553	1502
145	SM4FMR	HT	184	1380	1430	1760	----
146	I4KCC	GD	184	1050	1120	2275	2270
147	SM5PHD	AT	181	1445	1601	1616	2050
148	SM3UL	IV	180	1000	1520	1510	2363
149	G3SEK	DL	179	1360	1681	1872	2154
150	SM0DFP	IT	178	1830	1590	2030	----
151	Y55UN	GK	178	1790	1220	1920	1630
152	SM5LE	JT	178	1440	1470	2190	----
153	UR5EM	PK	178	1376	1270	2410	1457
154	OZ3JN	GP	178	1367	1675	----	2167
155	PA2CHN	CL	177	1370	1600	1695	1927
156	PA6CSL	CM	176	1528	1510	1750	1960
157	FR2ET	HT	176	1422	1760	----	2070
158	UR3CTF	NO	176	0830	1974	2498	2184
159	UR2GRM	HT	175	1131	1768	1429	2157
160	ON6UG	BL	175	1039	1013	2640	3296
161	F6FHP	RE	172	1752	----	2243	2105
162	DF6BX	DM	171	1338	1094	----	2059
163	DL7NC	GM	171	1360	1240	1550	1880
164	PA6SL	CM	171	1258	1513	1848	1772
165	DL2LM	EJ	171	1014	1871	1956	1969
166	G3LOR	AM	170	1776	1772	2150	2077
167	YU1MC	FM	170	1500	1540	2145	----
168	FR2ET	CT	170	1440	1440	2017	----
169	SM5OPD	IT	169	1820	1210	1370	1960
170	UR2AO	NT	169	1162	1176	1972	2136
171	SM7JUG	GP	167	1400	1650	1700	1600
172	UR2JW	IT	166	1380	1570	1977	----
173	DF5DE	EK	166	1186	1670	1845	1752
174	OH2EHL	NU	166	1055	1206	1804	2221
175	SP8AOL	LL	165	1224	1723	1821	1851
176	DL2OM	DK	165	1073	1712	2104	2033
177	DL7ACG	GM	164	1592	850	1997	----
178	UR3LCH	FO	164	1372	1675	2208	----
179	PA6SLN	CM	163	1528	1590	1750	1930

EUROPEAN UHF TOP LIST

432 MHZ

NR CALL QTH WKD TROPO AURO

001	DL7YC	GM	169	1225	----	089	DJ6XV	DL	65	0927	508
002	DF3XU	FM	165	1607	1057	090	DG4EB	EN	64	1194	----
003	DL7BY	FJ	163	1356	928	091	G3HSH	AL	63	1385	----
004	OZ7IS	GF	124	1273	933	092	UP2BEC	LP	62	1125	807
005	PA0FRE	CL	122	1400	815	093	SP9FO	JJ	61	1327	----
006	SH3ARK	IN	117	1150	810	094	F6CJG/P	BF	61	1170	----
007	DK5AT	FL	115	1162	535	095	SM5DSN	IT	60	1470	670
008	DB6BX	DM	114	1398	----	096	SM5DSN	OK	60	0993	----
009	DJ9DL	DL	114	1274	615	097	OK6UG	BL	60	0970	420
010	G3LGF	AM	113	1343	873	098	DK2VS	DJ	60	0920	----
011	OK1AIB/P	HK	113	1267	----	099	SM5LE	JT	59	1560	710
012	SM7BRE	GP	113	1226	850	100	OS3FM	YL	59	1255	----
013	DL7LZ	GM	113	1212	1249	101	DL7RU	GM	59	1231	----
014	OK3TH	LV	113	1129	943	102	UR2EG	HT	59	1160	907
015	SM5CFD	IT	110	1230	640	103	DF3CK	FR	58	1144	867
016	OM5FF	EL	110	1170	736	104	SM7GEP	HR	58	1106	533
017	SM5DWC	IT	109	1400	810	105	PE8DOL	CL	58	1033	----
018	PA0CE	CM	109	1338	1028	106	HE9AOF	DG	57	0820	----
019	PE0HGO	DM	109	1382	----	107	DF1EO	DL	57	0811	----
020	SM0FFS	IT	109	1300	740	108	DK3UC	FM	55	1380	600
021	F1FHF	ZH	108	1327	----	109	PA0JMS	CL	54	1046	----
022	SM6CKU	GR	108	1170	660	110	PA2HJS	CK	54	0832	----
023	OZ3FV	GP	106	1305	1035	111	Y2400	GM	53	1100	----
024	SM6FYU	GO	105	1441	706	112	LA8AK	DS	53	1020	----
025	SM5BEI	JU	104	1233	1016	113	PA2CHR	CL	53	0980	----
026	DK6RS	FM	103	1363	620	114	DK1KO	FM	53	0920	----
027	PA0MUM	CM	103	1238	726	115	16G0A	GD	53	0813	----
028	OK1KHI/P	HK	102	1424	----	116	PA0JTA	CL	52	0920	----
029	Y23ME	HM	102	1237	874	117	DLOSO/A	DL	52	0888	----
030	DK2NH	FM	101	1607	805	118	SM4RWY	HT	51	1330	550
031	SM0DFP	IT	101	1410	830	119	SM6FHZ	GO	50	1010	800
032	OK1KIR/P	OK	101	1331	----	120	SM3IVE	HT	50	0938	703
033	DL7AH	GM	99	1240	----	121	DG1NZ	FJ	50	0916	----
034	GJ4ICD	YJ	97	1300	800	122	HB900	EH	49	1080	----
035	DL4EH	DL	97	1265	322	123	PA3EBA	CM	49	1028	----
036	DB6NT	FK	96	1505	----	124	Z1PFL	GL	49	0828	----
037	DC9CBA	GM	96	1171	----	125	YU3CAB	HG	49	0684	----
038	UR3LEO	GO	94	1426	1203	126	SP1DSU	HN	48	1340	730
039	OZ7LX	FP	93	1315	720	127	DG4GAW	EI	48	1151	----
040	DK1PZ	FL	93	1018	----	128	UR2NW	LT	48	1060	675
041	SM0DVE	JT	91	1205	845	129	SP5JC	KM	46	1120	866
042	Y23FG	FM	90	1560	615	130	UR2RGT	MS	46	0853	853
043	PA2DOL	CL	90	1088	----	131	SM3COL	IW	45	0621	455
044	F9FT	CJ	90	0960	----	132	SM7GMU	HS	44	1192	628
045	PA0JOZ	CM	89	1156	----	133	OZ1FDH	GP	44	1033	822
046	G3C0J	ZL	88	1469	536	134	F6ECI	BI	44	0880	----
047	SM5HYG	FS	87	1410	600	135	SM2CKR	KX	43	1215	820
048	G3UBX	YM	86	1101	----	136	DC9VA	DJ	43	0920	----
049	Y23PA	GC	85	1102	----	137	SM7FMD	HR	42	1106	----
050	OZ3GW	FG	85	1090	620	138	SM0AGP	IT	42	0740	410
051	OH0NC	KU	84	1338	689	139	SM4DHN	GU	41	1240	1030
052	F1BUU	ZE	84	1250	----	140	I2FUM/2	EE	40	0802	----
053	Y22HA	GO	83	1414	----	141	DL7NC	GM	40	0795	----
054	OM5GF	CK	83	1115	----	142	OH4YZ	CK	39	0810	----
055	OM7HP	??	83	0799	----	143	GM3ZSS	YR	38	1400	----
056	ID2EK	DL	81	1284	----	144	HB9MIO/P	DH	38	1010	----
057	DF3EE	DL	81	1267	887	145	DK0IK/P	DO	38	0800	----
058	SM0FZH	JT	81	1063	957	146	DK0UL/P	EI	38	0676	----
059	PA3ESK	DL	80	1129	----	147	DL2OM	DK	38	0670	639
060	OK1AIY/P	HK	79	1351	----	148	H01YA	IH	38	0631	----
061	DL7ACG	GM	79	1279	----	149	OE5XPL	HI	37	1176	----
062	OZ2OE	EP	79	1190	750	150	UR2AO	MT	35	1131	----
063	DF1JC	DL	78	1270	----	151	UR2RGM	MT	35	0820	----
064	DB5AQ	FL	78	1050	----	152	YU3USB/3	GG	35	0632	----
065	PA0VV	CM	77	1180	----	153	UR3HBJ	SS	34	1200	800
066	DL5FAU	EK	76	1120	----	154	OM5GW	BL	34	0960	----
067	Y22EN	OK	75	1395	----	155	F6ERS	ZI	34	0630	----
068	OZ1EKI	EP	75	1044	527	156	DK2PR	EN	33	1200	----
069	DL7HR	FI	74	1256	980	157	SM3BIU	HK	33	0920	720
070	OE3XUA	HH	74	1215	----	158	DF1EO	DL	33	0767	----
071	OH2BFF	LT	74	1164	773	159	UR2RIW	LS	32	1100	----
072	SM4IAZ	HT	73	1055	1134	160	SM5EVK	IS	32	0740	----
073	G3PEV	YK	72	1336	----	161	UR2RIC	LS	31	0673	----
074	Y23BD	GM	72	1150	----	162	EA3LL	AB	30	1315	----
075	DF7VX	EL	72	1105	658	163	IW5AVM	FC	30	0752	----
076	DF2VQ	DL	72	1077	475	164	OK3AU	KI	29	1172	----
077	OM4VY	YK	71	1500	----	165	OE1KTC	II	29	0808	----
078	G4BEL	AK	71	1175	----	166	GM5FJ	ZL	28	0941	----
079	SM5CUI	IT	71	1150	1260	167	UR2CZ	MS	28	0600	----
080	Y24BO	GM	71	1066	838	168	OZ1CFO	ER	27	0779	----
081	SM0CPA	IT	71	1060	800	169	UR20A	NS	26	0803	----
082	DC7OH	GM	71	0960	509	170	Y02IS	KF	25	1020	----
083	SM7CFE	HQ	70	1420	----	171	SH3UL	IV	25	0532	674
084	DF5JJ	DL	70	0900	----	172	UR2JL	MT	25	0405	----
085	DF1OH	EM	68	1138	910	173	OH2BML	MU	23	0310	----
086	SM5CUL	IT	68	1150	1260	174	OE3PUW	II	22	0435	----
087	OZ3ZW	FO	67	1123	----	175	DF6RY	EI	22	0490	----
088	OZ3GH	EQ	65	1050	----	176	UR2OV	LT	21	0650	----
						177	DF2CA	EN	19	0630	----
						178	UR3CTC	WO	19	0570	903

179 OE3RRA II 18 0890 ----
 180 OE3CEW II 17 0562 ----
 181 OE1WEB II 12 0600 ----
 182 OE1APS II 12 0497 ----
 183 OE2ING HH 11 0335 ----

VHF - listener: 15556 ZN13g hrd:
 2m:270 1556 1758 2601 2711
 70cm:54 1179
 SML NL 213: CL14j
 2m:328 3000 3250 4000 2600
 70cm: 55 1220

 wkd= Number of squares worked.

The list is published continuously. Data compiled above based on unconfirmed claims by the operators.

EUROPEAN SHF TOP LIST

1296 MHZ

NR	CALL	QTH	WKT	TROPO
001	DF3NU	FN	74	1277
002	PA0FRE	CL	70	1337
003	PE1CHQ	DM	70	1200
004	PA0EZ	CM	63	0830
005	PE0AGO	DM	62	1196
006	DK3UC	FN	60	1223
007	G3LOR	AM	60	1097
008	OK1KIR/P	GK	55	1208
009	PA2DOL	CL	54	1027
010	G4BYV	AM	54	0932
011	PA0MM	CM	53	0850
012	DL7QY	FJ	52	1018
013	HB9AMH/P	DH	51	1130
014	DB6NT	FK	48	1082
015	OK1AIY/P	HK	47	1350
016	SM0DFP	IT	45	1057
017	DL4EA	DL	43	0906
018	DL7YC	GM	42	1040
019	DK2NH	FM	42	0805
020	DK5AI	FL	41	0868
021	027IS	GF	41	0810
022	DB6BK	DM	41	0799
023	DF1EQ	DL	41	0762
024	DK0NA	FK	40	1082
025	022OE	EP	40	0941
026	DL5FAU	EK	38	0740
027	SM5DUC	IT	37	1060
028	DK6AS	FM	37	0990
029	SM6ESG	GR	36	0980
030	SM0FFS	JT	35	1040
031	OM5P	CK	35	0995
032	DK1PZ	FL	34	0865
033	DL3NI	DL	33	0724
034	DL0SO/A	DL	33	0642
035	HB9RG	EH	32	0820
036	LX1DU	CJ	32	0600
037	G4BEL	AM	31	1025
038	G4LRT	ZM	31	1022
039	SM6HYG	FS	31	1018
040	PA2HJS	CK	31	0690
041	023ZJ	FO	30	0758
042	DD2EK	DL	29	0845
043	SM5BEI	JU	28	0877
044	PA3BCK	DL	27	0821
045	DD4BB	EN	27	0741
046	G3COT	ZL	26	0963
047	DF3CK	FH	26	0859
048	DC0DA	DL	25	0620
049	PA0VV	CM	24	0622
050	SM5CPD	IT	24	0610
051	LA8AK	DS	23	0900
052	PA0JME	CL	22	0867
053	DF1EO	DL	22	0756
054	OK1AIY/P	HK	20	0656
055	DF3EE	DL	20	0623
056	SM0DYE	JT	20	0485
057	UR2EQ	NT	20	0468
058	DL7AH	GM	19	0814
059	DK0IK/P	DO	19	0758
060	DL9GU	EJ	19	0678
061	SM0FZH	JT	18	0780
062	OM6UG	BL	17	0700
063	OK1KTL/P	GK	17	0467
064	DC70H	GM	16	0640
065	G3PBY	YK	15	0996
066	HB9MIO/P	DH	15	0675
067	FI1FH	ZH	15	0544
068	DL8GL	EJ	14	0778
069	I2FUM/2	EE	14	0445
070	DL0UL/P	EI	14	0307
071	OM6NC	KU	13	0416
072	023GN	FQ	12	0760
073	DL3NO	EJ	12	0630
074	DB6NC	FK	12	0405
075	021EK1	EP	11	0645
076	0E3XUA	HH	11	0540
077	0E5XPL	HI	11	0321
078	DF5JJ	DL	10	0455
079	HB9HOF	LG	10	0330
080	0E1KTC/5	GI	10	0327
081	OH3TH	LV	9	0418
082	OK1KTL	GK	9	0403
083	DG4GMH	EI	9	0147
084	OK3CED	IT	8	0380
085	DF2CA	EN	8	0378
086	DB6AV	EI	7	0237
087	021FDH	GP	6	0319

088	H01YA	IH	6	0265
089	G8SFM	YL	6	0237
090	DL7ZL	GM	5	0808
091	DF10H	EM	5	0229
092	021CFO	ER	4	0120
093	DL7HG	GM	3	0520
094	SP9FG	JJ	3	0240
095	UR2RT	MS	3	0132
096	0E3PUN/3	HH	3	0100
097	0E1KTC	II	3	0099
098	023FN	GP	3	0088
099	0E1APS	II	2	0093

2320 MHZ

NR	CALL	QTH	WKT	TROPO
001	PA0EZ	CM	26	0779
002	PE0AGO	DM	24	0730
003	DL7QY	FJ	22	1018
004	DB6NT	FK	22	0528
005	OK1KIR/P	GK	21	0866
006	G4BYV	AM	20	0903
007	DL5FAU	EK	20	0582
008	PA0FRE	CL	19	0864
009	DK0NA	FK	19	0528
010	G3LOR	AM	18	0880
011	DK3UC	FN	15	0661
012	PA2DOL	CL	14	0525
013	DF1EQ	DL	13	0461
014	DL3NI	DL	13	0448
015	DC30S	DM	13	0419
016	DL7YC	GM	12	0634
017	PA0JGF	DM	11	0444
018	PA0MM	CM	11	0373
019	DC0DA	DL	9	0429
020	DF3CK	FH	9	0418
021	PA2HJS	CK	9	0388
022	PA0JME	CL	9	0262
023	G4LRT	ZM	8	1022
024	SM6HYG	FS	8	1018
025	SM6ESG	GR	8	0880
026	DL8GL	EJ	8	0463
027	OK1AIY/P	HK	8	0430
028	LX1DU	CJ	7	0300
029	DF5QZ	DL	6	0468
030	DF3NU	FN	6	0416
031	DB6NC	FK	6	0405
032	DL3NO	EJ	6	0198
033	OK1KTL/P	GK	5	0235
034	DC0UG/P	DK	5	0230
035	DK5AI	FL	4	0275
036	DL9GU	EJ	4	0269
037	OK1AIY/P	HK	4	0243
038	I2FUM/2	EE	4	0166
039	SM5CCV	HS	3	0082
040	SM5DJH	HS	3	0080
041	DK2NH	FM	2	0089
042	DD2EK	DL	2	0087
043	DF5JJ	DL	1	0042

3456 MHZ

NR	CALL	QTH	WKT	TROPO
001	G3LOR	AM	7	0427
002	DC30S	DM	7	0419
003	DC0DA	DL	6	0429
004	DL7QY	FJ	6	0329
005	PA2DOL	CL	6	0217
006	DB6NT	FK	5	0288
007	PA0JME	CL	5	0220
008	PA2HJS	CK	4	0388
009	PA0JGF	DM	4	0376
010	DK0NA	FK	4	0288
011	DF1EQ	DL	4	0118
012	G4AGH/P	ZN	4	0115
013	DF5QZ	DL	3	0068
014	G4BYV	AM	2	0384
015	G4BYV	AM	2	0384
016	PE0AGO	DM	2	0134
017	DF5JJ/P	DK	2	0080
018	DK3UC	FN	2	0063
019	DB6NC	FK	2	0060
020	DJ6TA	DK	2	0042
021	DL3NI	DL	1	0019
022	DD2EK	DL	1	0010
023	DD0OT	DL	1	0007
024	DL7YC	GM	1	0005

5760 MHZ

NR	CALL	QTH	WKT	TROPO
001	DL7QY	FJ	4	0032
002	HB9AJF	EH	3	0217
003	HB9AJF	EH	3	0217
004	DB6NT	FK	3	0060
005	DB6NT	FK	3	0060
006	DB6NT	FK	3	0060
007	DC0DA	DL	2	0058
008	HB9MDF/P	EH	1	0054
009	DF5QZ	DL	1	0038
010	PA0MGA	DM	1	0030
011	G4KGC/P	ZL	1	0026
012	DK3UC	FN	1	0015
013	SM5DJH	HS	1	0010

10368 MHZ

NR	CALL	QTH	WKT	TROPO
001	I6ZAU	GD	17	0832
002	I3CLZ/3	FF	13	0571
003	YU3JN/3	GF	13	0563
004	I4XCC	GD	12	0563
005	I4CHY/4	FE	11	0633
006	I3ZJL/3	FF	11	0572
007	I4AKY	FE	11	0570
008	I40IG/4	FE	11	0440
009	YU3UR1	HG	10	0344
010	I4BER	FE	9	0340
011	YU3TAL	GF	9	0322
012	I2EBH/2	EE	9	0237
013	I4AOR	FE	7	0320
014	I4ZTO/4	FE	7	0290
015	PA2DOL	CL	7	0217
016	HB9AJF	EH	7	0204
017	HB9MIN/P	DH	6	0310
018	I4FKD/4	FE	6	0260
019	I4FKD/4	FE	6	0260
020	HB9MDF/P	EH	6	0205
021	DL7QY	FJ	6	0171
022	I4S0CV	GF	5	0290
023	G3LOR	AM	5	0258
024	HB9MIO/P	DH	5	0217
025	DL3NO	EJ	5	0113
026	PA0JME	CL	4	0220
027	DK7GN/P	EI	4	0166
028	0E3XUA	HH	4	0077
029	SM0DFP	IT	4	0060
030	OH2BUL	MU	4	0057
031	OM6UG	BL	3	0174
032	DB6NT	FK	3	0171
033	DG4BE	EN	3	0132
034	YU3CAR	HG	3	0107
035	DF1EQ	DL	2	0074
036	DL0SO/A	DL	2	0065
037	DF1EQ/P	DL	2	0063
038	DJ6TA	DK	2	0051
039	OE1NEB	II	2	0050
040	PA0FRE	CL	2	0010
041	DJ4YJ/P	EH	1	0352
042	DB6FF/P	EK	1	0061
043	DB6FF/P	EK	1	0061
044	OK1KTL/P	GK	1	0042
045	SM5CPD	IT	1	0032
046	I2DQZ/2	EF	1	0027
047	DL0UL/P	EI	1	0024
048	DK3UC	FN	1	0017
049	LA8AK	DS	1	0016
050	DF2CA	EN	1	0015
051	DH4DAB	DL	1	0002

24192 MHZ

NR	CALL	QTH	WKT	TROPO
001	DJ4YJ/P	FH	2	0243
002	DK0NA	FK	1	0034

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