DUBUS

INFORMATIONEN FÜR UKW AMATEURE

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INFO: 4/82

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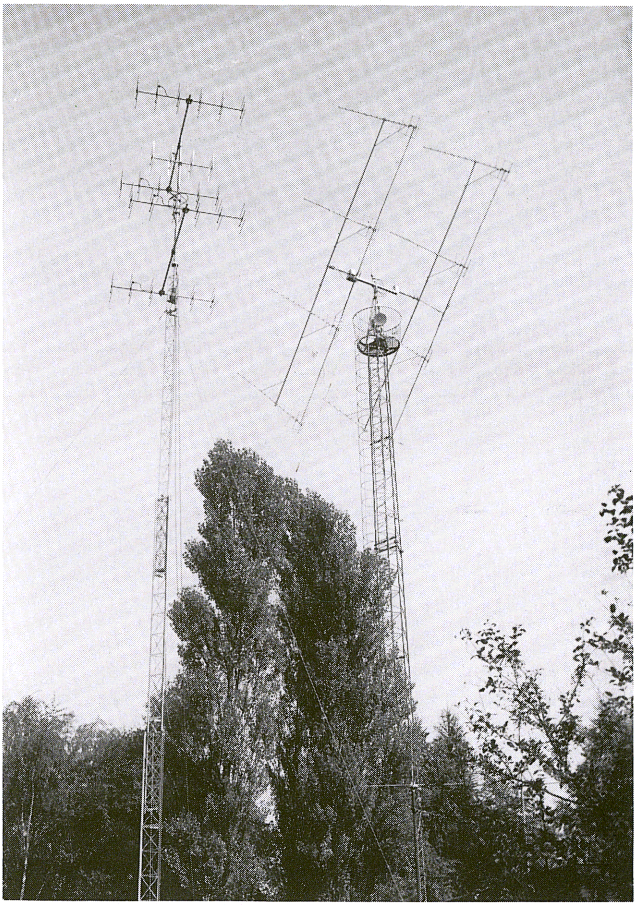

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Private Mitteilungen von Funkamateuren für Funkamateure

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COVERPICTURE: DL 7 FQ's Antennas

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D U B U S A F F A I R S

E. : Dear OM,
In the last time, more and more OMs told us, there are too many lists of qso reports and they are not interested in. During last time these lists were interesting, because anybody had not so many informations about conditions and not so many stations were qrv on VHF UHF SHF. Other people say: that these lists are very interesting, because so many people are sending their lists, and many interested OMs are reading these lists. Specially 70cm aurora is not well known by all OMs, so lists about these qsos will show that there is activity.

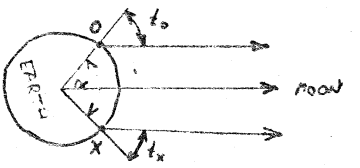
We are interested in the opinion of our readers, what is about these lists, and what do you prefer especially? We are only private communications of radioamateurs for radioamateurs, but the contents of the informations must be like this, that our readers are interested in!
Please write your opinion to : DL7QY

D. : Liebe OMs,
In letzter Zeit wurde öfters die Kritik laut, daß es zu viele qso Listen in unserem Heftchen gäbe, und diese doch niemanden mehr interessieren. Früher waren die qso Listen noch interessant, weil noch nicht soviel über die Ausbreitungsbedingungen bekannt war, und es auch noch nicht so viele OMs gab, die qrv waren, speziell auf den höheren Frequenzen; sagen die Einen. Andere sind der Auffassung, die Listen sind sehr beliebt, weil ja so viele Leute ihre qso Listen einschicken und die dann auch von interessierten OMs gelesen werden. Speziell 70cm Aurora ist wohl nicht so bekannt, und da könnten dann qso Listen Werbung dafür machen, daß so etwas auch gut funktioniert.

Was sagt nun die große Mehrheit dazu, das würde uns interessieren. Wir versenden zwar nur private Mitteilungen von Funkamateuren für Funkamateure, aber die Mitteilungen sollten doch dem entsprechen, was die Leser interessiert, und das wollen wir wissen!
Bitte schreibt eure Meinung an DL7QY

Contin. from page 258 :

c) If the Moon is between the stations X and O then:



$t_X = \alpha - t_0$

In the above formulas the diameter of the Earth is not considered - max. error is 0.5° and can be neglected. For the determinated hour angle t_X we must read the value of Δf_{E1} in Fig.1. Then this value should be converted with the help of Fig.3 for latitude change (φ_X is latitude of the other station X) into f_{EX}.

TECHNICAL **R**EPORTS

Edited by DL 7 APV
Assist. DC 7 SN
Drawings : DC 7 BQ

PULSE-WIDTH CONTROLLED MOTOR FOR CASSETTE RECORDER

by Jan-Martin Nöding, LA 8 AK

E.:

One of the bad problems when you try to use simple dc-motors at slow speed is that they stop after a while. LA6MQ proposed to use PWM-control. First I tested a simple CMOS-corcuit on a dc-operated model railway system, and it worked so well that I made this circuit for my cassette recorder.

By adjusting the potmeter, the pulsewidth changes, and the effective voltage for the motor changes. It was found that the circuit was improved for low speeds by adding a feedback to the circuit (680 k resistor). The capacitor across the motor also helps for smooth rotation.

Before you try any circuits you must tighten the mechanical regulator, or the motor will rotate at the same speed for 4,5 to 15 V DC applied to it.

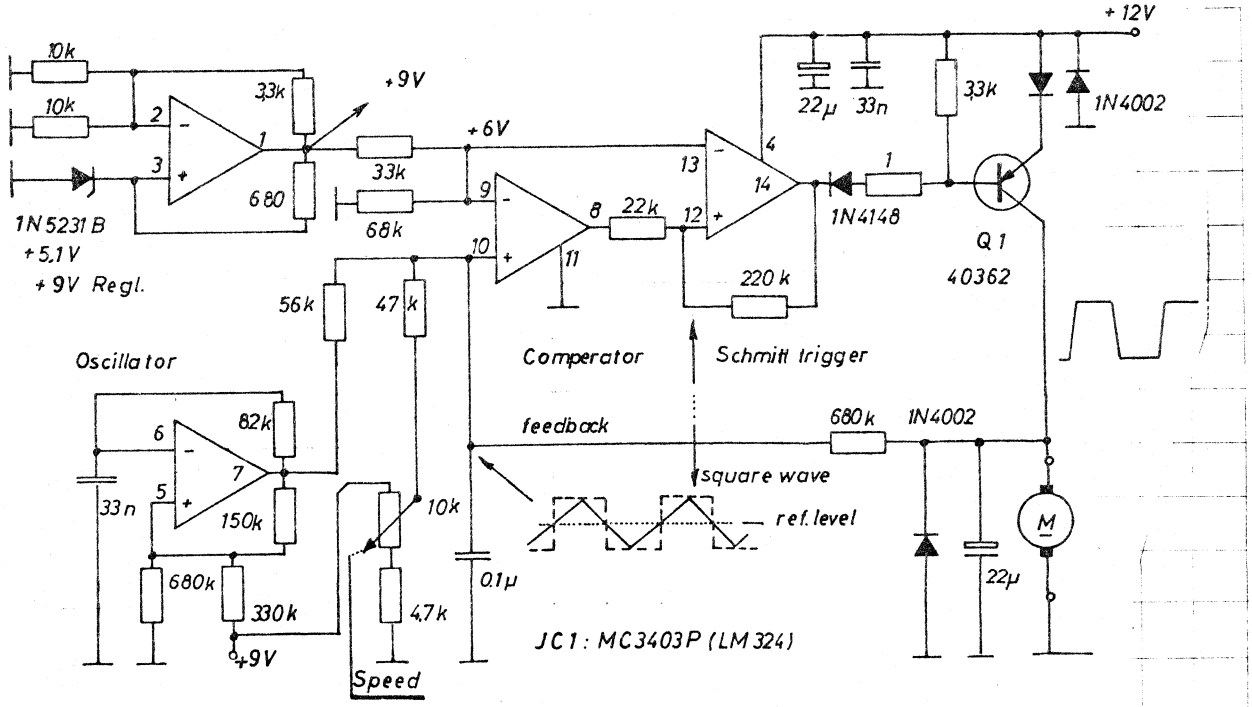
The circuit diagram is meant to give an idea of a practical circuit, there may be several ways to make the pulse width control, perhaps some simpler circuits. The 9 V regulator may be simplified, the OP-amps may be similar to 741-type.

D.: PULSBREITEN-GESTEUERTE DREHZAHLREGELUNG VON CASSETTEN-REKORDER MOTOREN

Bei dem Versuch, einen normalen Gleichstrommotor auf einer niedrigen Drehzahl laufen zu lassen, ist das Anhalten des Motors eines der größten Probleme. LA6MQ schlug vor, eine PWM-Steuerung zu benutzen. Zuerst probierte ich eine einfache Schaltung an meiner Gleichstrombetriebenen Modelleisenbahn aus. Es funktionierte so gut, daß ich diese Schaltung für meinen Cassetten-Rekorder nachbaute.

Durch Verstellen des Potentiometers wird die Impulsbreite und damit die effektive Spannung am Motor verändert. Für kleine Drehzahlen wird ein Rückkoppelwiderstand (680k) eingefügt. Ebenso hilft der dem Motor parallelgeschaltete Kondensator einen runden Lauf des Motors zu ermöglichen.

Bevor man jedoch irgendeine dieser Schaltungen ausprobiert, muß man den mechanischen Regulatorzusammenziehen, da sonst die Motordrehzahl gleich bleibt,unabhängig davon, ob 4,5 V oder 15 V DC anliegen. Der Schaltplan ist als Vorschlag zur praktischen Ausführung gedacht. Es dürften viele Möglichkeiten der Impulsbreitensteuerung existieren, vielleicht sogar einfachere Schaltungen. Der 9 V-Regulator könnte vereinfacht werden, die Operationsverstärker können vom Typ 741 sein.



circuit of the pulse-width controlled motor for cassette recorder
Schaltplan der pulsbreiten gesteuerten Drehzahlregelung von Cassettenrecorder Motoren

T I M E R F O R M E T E O R S C A T T E R O P E R A T I O N

by Jan Martin Nöding, LA 8 AK

E.:

The timer is constructed to perform the following operation: Control the keyer and the transmitter, and switch automatically on for five minutes then five minutes off, or opposite.

Instead of five minutes period, it is shown connections for 30 s and 6o s, and it is also possible to use 2, 4, 8, 16 minutes. The LC-oscillator consist of an IF-transformer and a CMOS-inverter. The CD4060 was found to be most stable. The two binary counters are connected to provide suitable outputs. The 4o17 reset the 4o2o every ten minutes, and a BCD-coded minute information is therefore present at 4020 (Q11,12,13,14). The transistors Q5,Q6 will give a 30 s warning, starting at 4,5 and 9,5 minutes. The output from the switch S3 drives the keyer, and the keyer controls the transmitter. The transmitter will then be switched an as long as the keyer is running.

The switch S2A/B (REVERSE-OFF-NORMAL) controls which station to transmit first. It is often important to synchronize your timing to the opposite station, even if you are using the Post Office time service, and the switch S3 may sometimes need to be altered during a sked. The switch S1 will reset the timer when switch off.

It is possible to use a 7-segment display to display 0...9 minutes, and the display may be connected for flashing at 4,5 and 9,5 minutes. Q4 and Q5 shall not be used then, and if the MC14543 decoder is used B shall be connected to "Blanking input".

The dicplay decimal indication may be used instead of LED2.

The connections "START KEYER" and "MSG" goes to the memory keyer, as described in DUBUS-info no 1/80.

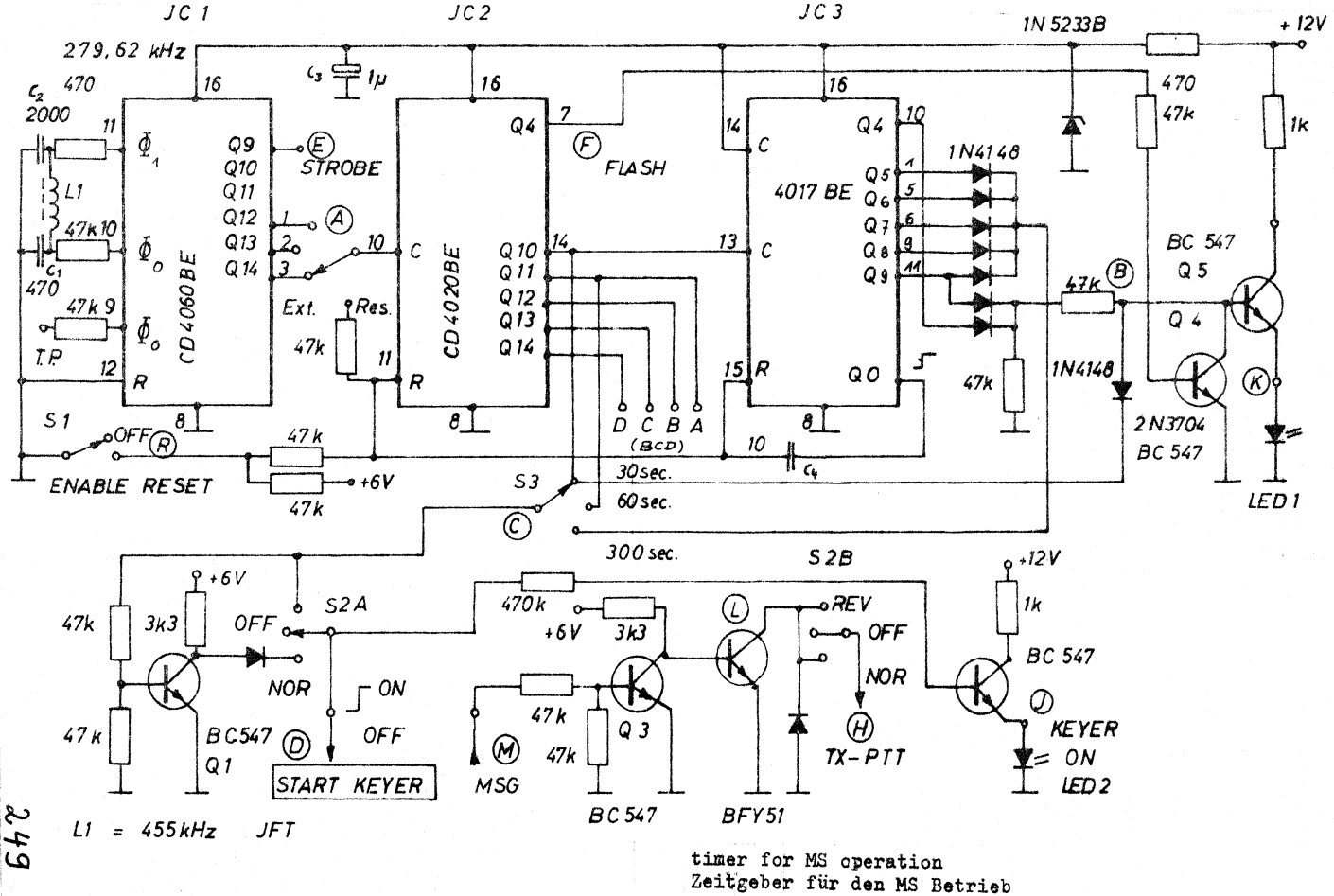
Provision can be made for use of external reset to synchronize to a more accurate time standard. The 47k resistor shown will suit a 12V pulse. It shall not be necessary to reset the timer during the 2 hours period, if not under the condition noted above.

D.: ZEITGEBER FÜR DEN METEOR SCATTER BETRIEB

Der Zeitgeber ist für folgende Aufgaben entwickelt worden: Steuerung der Taste und des Senders, das heißt automatische Sende/Empfangsunschaltung alle 5 Minuten.

Anstatt des Zeitraumes von 5 Minuten kann auch, wie unten gezeigt, in 30 s bzw. 60 s Intervalle verändert werden. Ebenso sind 2,4,8 oder 16 min möglich.

Der LC-Oszillator besteht aus einem ZF-Bandfilter und einem CMOS-Inverter. Die CD4060 wurde als ausreichend stabil empfunden. Daran schließen sich zwei Binärzähler an, welche geeignete Ausgangssignale liefern. Die 4017 setzt die 4020 alle 10 min zurück. Dafür steht eine BCD-codierte Minuteninformation am 4020 (Q11 bis Q14) zur Verfügung. Die Transistoren Q5 und Q6 geben eine 3o s dauernde Warnung ab, beginnend mit 4,5 bzw. 9,5 min. . Das Signal vom Schalter S3 steuert die Morsetaste, welche dann wieder den Sender steuert, das heißt man ist solange die Taste läuft auf Sendung.



timer for MS operation
Zeitgeber für den MS Betrieb

Der Schalter S2A/B (REVERSE-OFF-NORMAL) wird entsprechend der beginnenden Station geschaltet. Oft ist es wichtig sich mit der Gegenstation bzw. der offiziellen Postzeit zu syncronisieren. Dazu kann während eines Skeds die Stellung des Schalters S3 verändert werden. Mit dem Ausschalten von S1 wird der Zeitgeber zurückgesetzt.

Zur Anzeige der Minuten von 0...9 ist es möglich, eine 7-Segment Anzeige zu verwenden. Man kann sie außerdem so schalten, daß sie bei 4,5 und 9,5 min blinkt. Dazu werden die Transistoren Q4 und Q5 nicht mehr benötigt. Falls der Decoder MC14543 benutzt wird, sollte der Anschluß B mit "Blanking Input" verbunden werden. Anstelle von LED2 kann die Dezimalpunktanzeige verwendet werden. Die Anschlüsse "START KEYER" und "MSG" werden mit der in DUBUS-Info Nr. 1/80 beschriebenen Speichermorsetaste verbunden.

Um das äußere Zurücksetzen zu ermöglichen, kann eine weitere Maßnahme getroffen werden um sich mit einem genauen Zeitnormal syncronisieren zu können. Der gezeigte 47 k-Ohm Widerstand erhält dazu einen 12V-Impuls. Es sollte nicht nötig sein, den Zeitgeber innerhalb einer zweistündigen Periode zurückzusetzen, falls nicht oben beschriebene Bedingungen erfüllt sind.

Useful Rotor for EME

by Rolf, DK 4 XI / F Ø MD

E. : Purchasable rotors are turning to quick for EME, so they has to be reconstructed, like this HAM IV. The important demands are a mechanical brake, slow rotation speed 8-10 minutes for one turn and an accuracy of indication of 1°.

It is used a spare part set of the gear. To change the screws at the bottom of the rotor to M8 is the first modification. It is necessary, when using the rotor on a tower. Use rustless screws with a shaft, Washer and spring washer are self evident.

Before opening the rotor, mark the lower and the upper part, so that you know how put together. Then open the rotor and screw off the motor. Now you can take away all gear wheels, but note the position! At the main driving toothed wheel rim you have to saw off the end stop. Then put the main driving toothed wheel rim and the main driving wheels back. At the toothed wheel with the long driving pinion saw off 5mm. This toothed wheel is set right near the main driving wheel. The reason of the work is, to make the distance between the wheels smaller, to put two new wheels add to this. Now set right and left one pinion in. The little driving pinions has to be grind off to a minimale thickness. When it is all ok, than you can set in the two new wheels. At the right driving system you have to set in a spacer ring, and between all wheels don't forget the grease. Now screw on the upper bracket plate and don't forget the washer and spring washers. At last the motor has to be lift up with three washers abt. 1mm at thexfixing screws. This is important, that the motor doesn't touch two pinions. Pay attention that driving and the potentiometer are in the right position.

Now the rotor turns in 16 min., this is good for EME. Because of the long turn the thermal overload protection will be stop the turn after ten minutes, but for EME it is not important.

The digital direction indicator is only a digital voltmeter, measuring the voltage drop at the potentiometer. The measuring apparatus at the control unit is not used now. The author used a set with a three-figure display (CA 3162 Fa. Schubert). The centre contact of the potentiometer is connected with ground(see fig. 1).

Set the voltmeter to zero. Then connect a 500Ω potentiometer , that the centre contact is pin 1. Adjust the potentiometer exact to the centre, now the display has to show 180° ,if not adjust with P2 to 180°. Now connect the pothtiometer from the rotor, set the voltmeter to zero, and connct a secound voltmeter at pin 1 to 3 or 7 and turn the rotor till the voltmeter shows at pin 3 and 7 the same voltage. This is 180°.

If it is not correct, you can calibrate with the potentiometer of the voltmeter. When the exact direction of the moon is known, you can calibrate at the signals of EME stations. If the calibration is correct, you will find the moon always 1° exact.

The same indication is used at the elevation rotor. In the future is following a mechanical reconstruction of the KR 500.

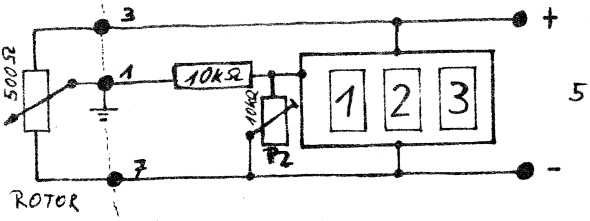


BILD 1
fig 1

D. : Käufliche Rotoren drehen für EME zu schnell und müssen umgebaut werden, damit sie verwandt werden können. Ein solcher Umbau wurde an dem Horizontal Rotor HAM IV vorgenommen. Die Anforderungen, die gestellt wurden, sind eine mechanische Bremse, Umdrehungsgeschwindigkeit von ca. 8-10 min. für eine Umdrehung und eine Anzeigegenauigkeit von 1°.

Für den Umbau des Horizontalrotors ist der Ersatzteilgetriebesatz notwendig. Als erste Änderung sollte man die 4 Halteschrauben am Rotorboden auf M8 umstellen. Dies ist bei Befestigung des Rotors in einem Mast notwendig. Als Schrauben verwende man rostfreie mit einem Schaft! Dieser Schaft ist wichtig um ein Auswandern der Schrauben zu verhindern. Unterlegscheiben und Federringe sind selbstverständlich.

Ehe man den Rotor auseinander montiert, wird das Oberteil und das Unterteil gekennzeichnet durch einen Strich, um ein richtiges Zusammensetzen zu gewährleisten. Merken sollte man sich auch die Stellung des Schleifkontaktes vom Poti zur Nase in der Glocke. Dann wird der Motor abgeschraubt. Jetzt kann man die Getrieberäder einzeln abnehmen, Lage merken! An dem Hauptantriebskranz muß die Endabschaltungsnase abgesägt werden, mit einer Feile bearbeitet man dann noch die beiden anderen. Dann wird der Antriebskranz und die beiden Hauptantriebsräder wieder eingebaut. An dem Zahnrad mit dem langen Antriebsritzel wird ca. 5mm von diesem Ritzel abgesägt. Dieses Zahnrad wird dann rechts neben dem Hauptantriebsrad eingesetzt. Es darf mit dem Antriebskranz nicht in Berührung kommen; hat man zuviel abgeschnitten, muß man eine Scheibe unterlegen.

Bei den Arbeiten geht es darum, den Abstand zwischen den einzelnen Rädern auf ein Minimum zu beschränken. Dadurch werden zwei zusätzliche Räder angebracht. Jetzt wird jeweils links und rechts ein Ritzel aufgesetzt. Die kleinen Antriebsritzel werden dazu auf eine minimale Dicke abgeschliffen. Wurde richtig gearbeitet, bekommt man zwei neue Zahnräder noch dazu. Am rechten Antriebssytem muß zum Schluß noch ein kleiner Abstandsring aufgesetzt werden. Selbstverständlich kommt zwischen jedes Ritzel Getriebefett. Nun wird die obere Befestigungsplatte wieder angeschraubt(Unterlegscheiben nicht vergessen!). Als letztes muß der Motor noch durch drei Unterlegscheiben an den Befestigungsbolzen um ca. 1mm angehoben werden. Das ist wichtig, damit der Motor nicht an zwei Ritzel anschlägt. Beim Zusammenbau ist unbedingt darauf zu achten, daß der Antrieb für den Hauptkranz und der Antrieb für das Richtungsanzeigepotentiometer in der richtigen Lage sitzen!

Wenn alles richtig gemacht wurde, dreht der Rotor nun mit einer Umdrehung in 16 Minuten, dies ist optimal für EME. Nun wird der Rotor auf die richtige Einbaulage im Mast gestellt. Durch den langen Lauf des Motors schaltet nach ca. 10 min. der termische Überlastschutz im Bedienteil die Spannung ab. Dies hat sich im normalen EME-Betrieb nicht störend bemerkbar gemacht.

Für die Umstellung auf digitale Richtungsanzeige muß an dem Rotor nichts geändert werden. Die digitale Richtungsanzeige ist nichts anderes, als ein Digitalvoltmeter. Es wird der Spannungsabfall an dem Schleifer gemessen. Der Verfasser hat einen Bausatz mit dreistelliger Anzeige verwendet (CA 3162 Fa. Schubert). Die im Bedienungsgerät vorhandene Meßeinrichtung einschließlich Instrument wird nicht mehr gebraucht. Es ist zu beachten, daß der Mittelabgriff des Potentiometers an Masse liegt! Der Anschluß an das Potentiometer im Rotor ist in Bild 1 dargestellt.

Nun wird das Voltmeter auf Null gesetzt. Dann wird ein 500 Ω Poti an den Anschlüssen 3,7 und 1 angeschlossen, wobei 1 der Mittelabgriff ist. Nun wird das Potentiometer auf die Mitte eingestellt. Jetzt sollte 180° angezeigt werden,wenn nicht wird er mit P2 eingestellt. Genauso wird nachher beim Endeinbau verfahren, zuerst den Nullpunkt am Digitalvoltmeter einstellen, dann den Rotor anschließen. Nun ein zusätzliches Voltmeter am Anschluß 1 gegen Anschluß 3 bzw. 7 anschließen. Rotor nun soweit drehen, daß auf beiden Seiten die gleiche Spannung angezeigt wird. Diese Stellung ist dann 180°. Dieser Wert wird wiederum an P2 eingestellt.

Damit ist die vorläufige Eichung abgeschlossen. Stimmt die angezeigte Richtung nicht mit der wirklichen Richtung überein, so kann dies an dem Nullpunktpotentiometer nachträglich korrigieren. Der Verfasser hat seine Antenne an den Signalen von EME Stationen geeicht. Aufgrund von Computerdaten war die genaue Richtung des Mondes bekannt. Die Antenne wurde nun nach S-Meter bzw. optischer Sicht eingestellt und mit dem Nullpunktpotentiometer der exakte Wert eingestellt. Einmal so geeicht wurde der Mond immer auf 1° genau getroffen!

Die gleiche Anzeige wird auch für den Vertikalrotor benutzt. Ein mechanischer Umbau für den KR 500 folgt demnächst.

1.5 GHz Divider

by Manfred Mühlbacher, DB 9 SB

E. : It is used an ant. preamplifier OM 361 from Valvo (see fig.1). The divider is a Plessey SP8668 B, f max. 1.8 GHz. Using a 50MHz counter, there is another divider, Plessey SP 8630 B up to 600 MHz. At last there is a transistor, which changes the ECL II signal to a TTL signal, to use the gate of the counter directly. The OM361 needs 12V, the SP8668B 6.8V, the SP8630 and the transistor 5V.

The board is soldered in a tin plate case (72x72mm). The chip cap. at the divider are soldered as short as possible to ground. The potentiometer are ceramic typs. The preamplifier has external coupling cap.(≥220pF cer. chips) and an external collector choke coil (L> 5 µH). The coil is under the board. At the front end is a BNC or N connector(1.8GHz!).

The output has to be connected to the gate of the counter so short as possible, maybe with a BNC-BNC connector. First both potentiometers are tuned to the left end. At pin 14 of SP8668 B has to be 6.8V +/- 0.3V. With a signal, P2 is tuned to a stable counter display.

Because of the high gain of the OM361 (abt. 30db at 1.2GHz) is IC 1 overload very quick. U inp. IC 1 max. is 2.5V p-p. The dynamic range is very small. It is better to instalize a RF-attent. (up to 1.5 GHz), or an electric pin diode attent. . The best way is an automatic attent. control. Who has ideas??

D. : Als Vorverstärker wird ein Breitband Antennenverstärker in Dünn - filmtechnik OM361 von Valvo verwendet (Bild 1). Der Plessey Teiler SP8668 teilt Eingangssignale bis ca. 1,8 GHz durch 10, danach folgt ein weiterer Plessey Teiler, der SP 8630 B. Dieser teilt Signale bis 600 MHz durch 10. Damit der Teiler direkt auf ein Zähltor geschaltet werden kann, wird als letzte Stufe ein Pegelwandler mit einem Transistor benutzt. Diese wandelt das ECL II Signal in ein TTL Signal um. Der OM361 arbeitet mit 12V, der SP8668B mit 6,8V, der SP8630 und die Transistorstufe mit 5V.

Um unerwünschte Einstrahlungen zu vermeiden, ist die Leiterplatte in ein Weißblechgehäuse der Größe 72x72mm eingelötet. Die Masseflächen verlötet man rundum mit dem Gehäuse. Die Abklatschkondensatoren an den ICs sind so kurz wie möglich einzulöten. Beide Trimmpotis sind keramische Ausführungen. Der Vorverstärker muß mit externen Koppelkondensatoren (C>220pF Keramik) und einer externen Kollektordrossel (L>5uH) versehen werden. Als Koppelkondensatoren eignen sich keramische Chips. Die Drossel sitzt auf der Platinenunterseite. Der Eingang sollte eine SHF taugliche Buchse haben.

Der Ausgang wird so kurz wie möglich mit dem Zähltor bzw. der Eingangsbuchse des Grundzählers verbunden. Im Probebetrieb lieferte ein BNC-BNC Adapter das beste Ergebnis. Beide Trimmpotis werden vor Inbetriebnahme auf linksanschlag gedreht. Nach anlegen der Betriebsspannung müssen am SP8668B an Pin 14 6,8V +/-0,3V anliegen. Die Gesamtstromaufnahme beträgt ca. 200 mA. Nach anlegen einer Signalspannung wird P2 so eingestellt, daß die Zähleranzeige stabil bleibt.

Durch die hohe Verstärkung des OM361 (ca. 30db bis 1,2 GHz) wird IC 1 sehr schnell übersteuert. U inp. max. 2,5V (p-p). Der Dynamikbereich ist dadurch sehr eingeengt. Abhilfe schafft hier zB. ein Preh-Dämpfungsregler, der noch bis 1,3 GHzeingesetzt werden kann. Eleganter wäre eine elektronische Pin Diodenregelung. Am besten wäre eine vollautomatische Dämpfungsregelung. Wer hat einen realisierbaren Vorschlag?

Infos und Hilfe bei der Bauteilebeschaffung bei Manfred Mühlbacher DB9SB
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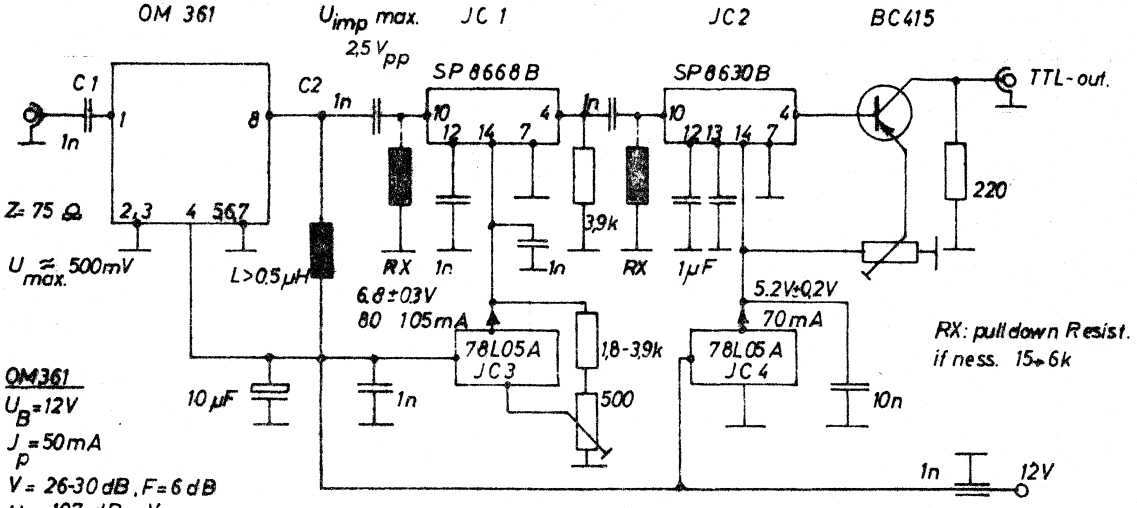
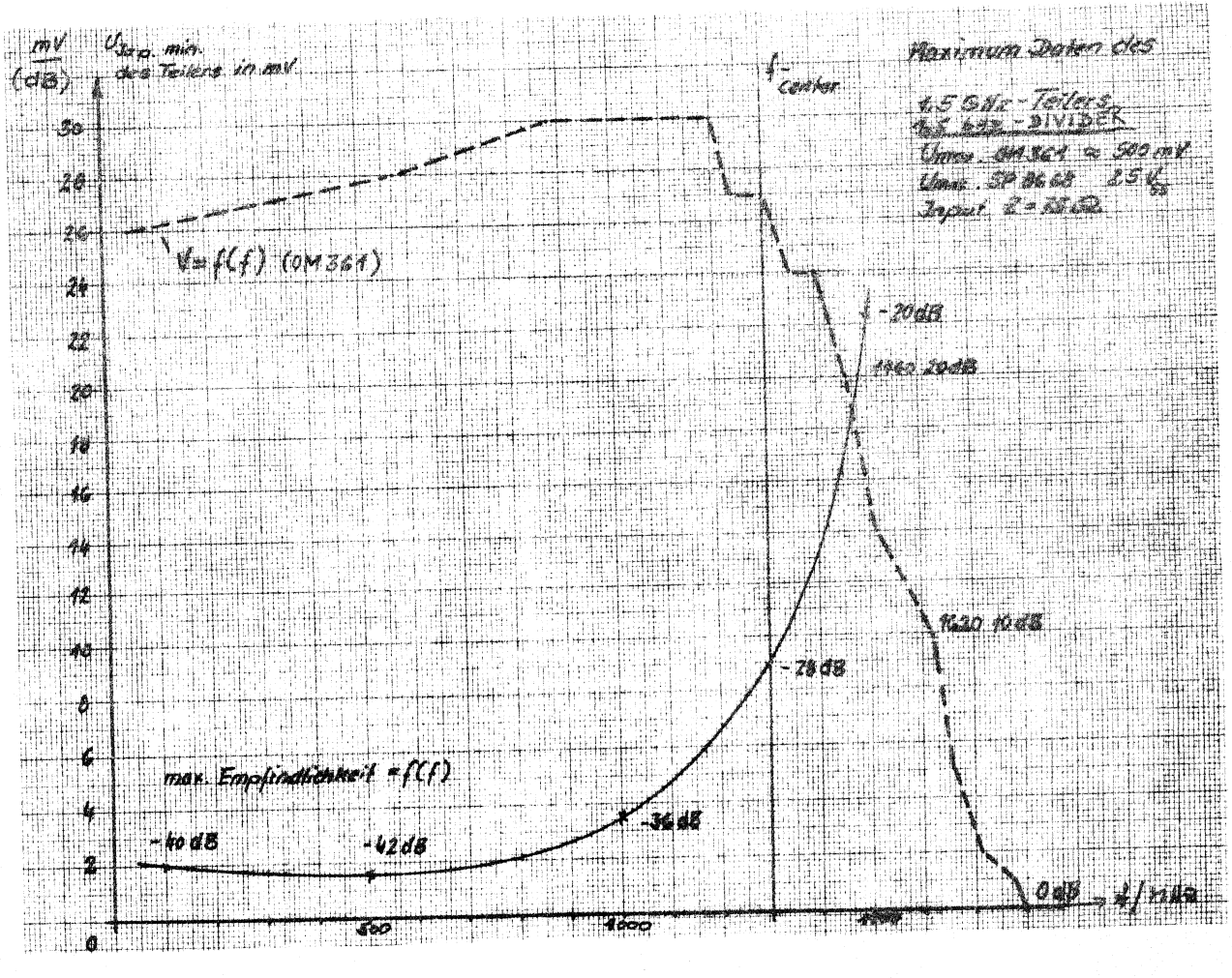


Abb.1 fig.1 1.5 GHz DIVIDER


mV (dB)
$U_{Eing.\ min.}$ des Teilers in mV
f_{center}
Maximum Daten des
4,5 GHz - Teilers
4,5 GHz - DIVIDER
$U_{max.}$ SM 561 ≈ 500 mV
$U_{max.}$ SP 86 68 ≈ 25 μV_{ss}
Input Z = 50 Ω
V = f(f) (0M 361)
- 20 dB
1960 20 dB
1420 10 dB
- 28 dB
max. Empfindlichkeit = f(f)
- 40 dB
- 42 dB
- 36 dB
0 dB
f/MHz
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
500
1000
1500

DOPPLER SHIFT ON EME de OK1DAI (OK1KII

The best test of the whole EME equipment is listening to own echoes. With RX BW 100 to 200Hz it is worth having a prediction of the Doppler frequency shift, especially on the SHF bands. This fact has led us to summarization of simplified formulas and from these we have worked out graphs for this purpose. From our experience from both 432 and 1296 MHz we assume that the Doppler shift is not only our problem and we think that the graphs may be useful to other operators too. Besides the prediction of one's own echoes the graphs enable quick determination of the frequency shift of the other station and they are worked out for 432 and 1296 MHz bands. If using the graphs for other freq. f_x, the graph reading should be multiplied by ratio f_x / f_{graph}.

A. Frequency shift of own echoes - Δf_0

$$\Delta f_0 = \Delta f_E + \Delta f_M$$

where Δf_E - freq. shift caused by influence the Earth
Δf_M - freq. shift caused by influence the Moon

1/ Influence accounted for the rotation of the Earth, declination of the Moon and mutual rotation of the Earth with the Moon /graph - Fig.1/

$$\Delta f_E = \frac{4\pi \times 6370 \times \cos\varphi \times \sin t \times \cos\delta}{(1 + 0.034\cos t) \times 24 \times 3.6 \times \lambda}$$

where λ - wavelength in metre
φ - geogr. latitude in
δ - declination of the M in degrees
t - hour angle in degree

Operators using polar mounting can read the hour angle on the main rotatable axis of the antenna while those using El-Az mounting will find the hour angle converted into time in hours on the same axis in the graph in Fig.1. (Average orbit length 24.85 hours is introduced.) It does not matter if the declination is positive or negative. For determination of the starting point one should know the time of culmination of the Moon in one's particular location (eg. according to an annual astronomical handbook).

Simplified formula for Δf_{Emax} (t = 90 deg.):

$$\Delta f_{Emax} = \frac{926\cos\varphi \times \cos\delta}{\lambda}$$

For the 50th parallel (for which the graph in Fig.1 is given) we obtain:

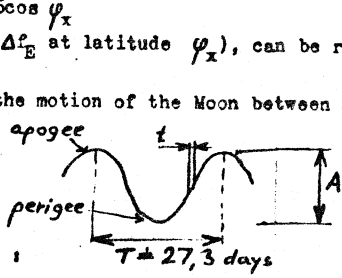
432 MHz: Δf_{Emax} = 865 Hz ; 1296 MHz: Δf_{Emax} = 2590 Hz

These values are positive at the Moonrise and negative at the Moonset. Stations having latitude (φ_x) other than 50 degrees should multiply the graph indication (Δ by coefficient k for latitude change. (The value is the same for northern as well a for southern hemisphere.)

$$k = \frac{\cos\varphi_x}{\cos 50\text{deg}} = 1.56\cos\varphi_x$$

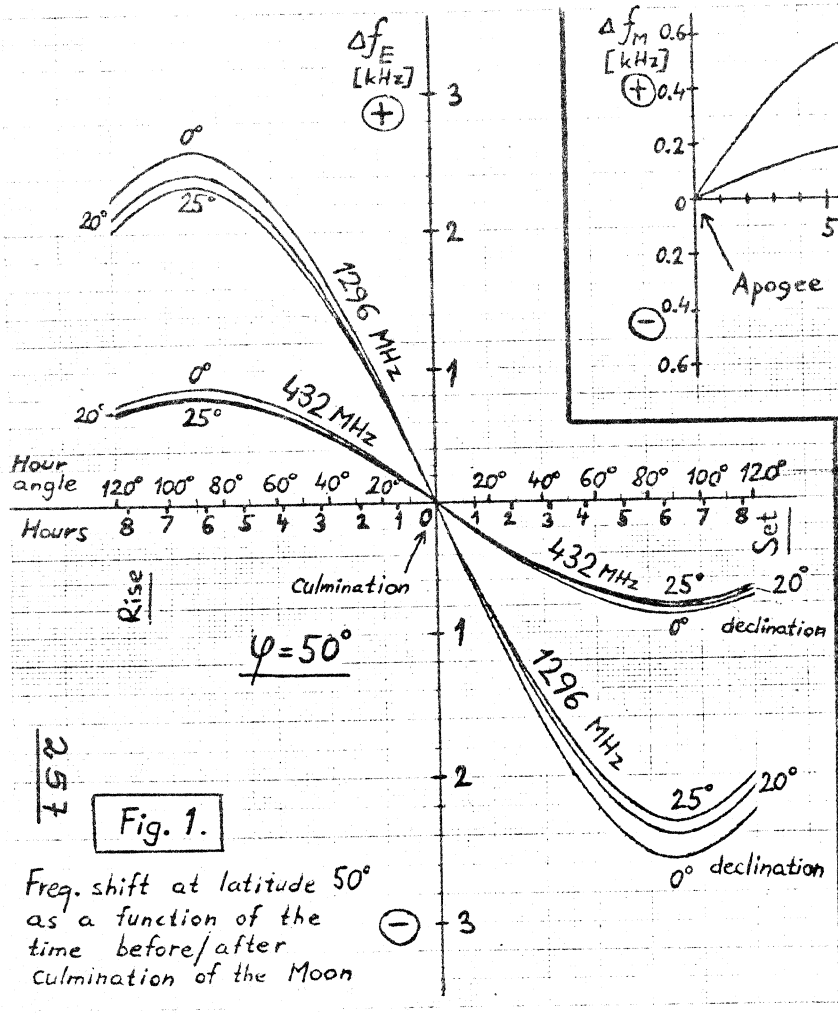
Δf_{EX}, (which stands for Δf_E at latitude φ_x), can be read from Fig.3. ($\Delta f_{EX} = k.\Delta f$

2/ Influence accounted for the motion of the Moon between apogee and perigee: (Fig.2



Max. velocity of the Moon :

$$v_{max} = \frac{A}{2} \times \frac{2\pi}{T} \times \cos\frac{2\pi}{T} t$$ from where we get v_{max} = 68 metres/sec



2.5.1

Fig. 1.

Freq. shift at latitude 50° as a function of the time before/after culmination of the Moon

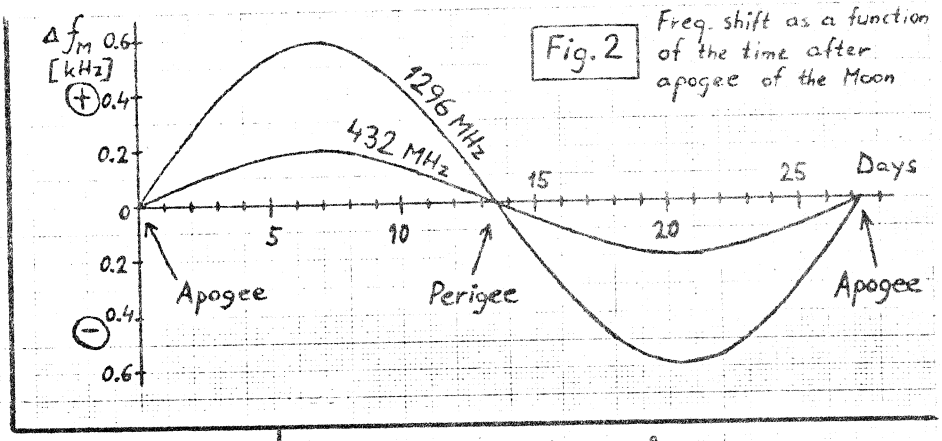


Fig. 2

Freq. shift as a function of the time after apogee of the Moon

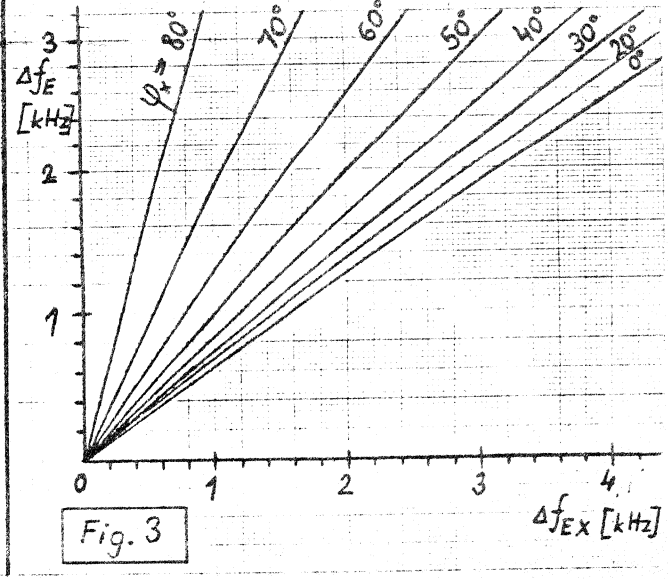


Fig. 3

Influence of the Moon on frequency: $\Delta f_M = \frac{2v}{\lambda}$

This influence amounts on 432 MHz to Δf_{Mmax} = 196 Hz and on 1296 MHz to Δf_{Mmax}=588 Hz

These values are the same for all terrestrial stations. When the Moon is going from apogee to perigee these values are positive, while in the opposite direction they are negative. So that we can find out the values of Δf_M the date of apogee and perigee should be known (again from an astronom. handbook etc.)

Example: Our station is located on the 40th parallel ($\varphi_x = 40^\circ$), freq. is 1296.030 MHz, date is 12th August, time 1020 local time.
From an astronomical handbook we have found out that the declination of the Moon is 10°, the Moon culminated at 0650 local time and apogee was on 2nd August. We want to know the frequency of own echoes.

It is 4.5 hours after culmination - for this and 10° declination we find in Fig.1 Δf_E = -2.2 kHz.
For latitude different from 50° we convert this indication with the help of Fig.3 to Δf_{EX} = - 2.6 kHz.
From Fig.2 we can read for 10 days after apogee Δf_M = + 0.42 kHz.

Total shift: $\Delta f = \Delta f_{EX} + \Delta f_M = (-2.6) + 0.42 = -2.18$ kHz freq. of echoes is: 1296.02782 MHz

B. Shift of frequency (Δf_X) of the other station (X)

$$\Delta f_X = \frac{\Delta f_{EO}}{2} + \frac{\Delta f_{EX}}{2} + \Delta f_M$$

where: Δf_{EO} - shift of one's own freq. caused by the Earth
Δf_M - freq. shift caused by the Moon (Fig.2)
Δf_{EX} - shift of freq. of the other station caused by the Earth

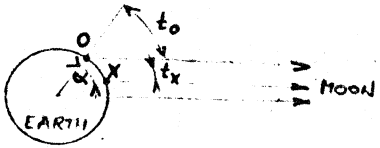
For Δf_{EX} however, we must know the geographical coordinates of the other station. The angle α is the difference between geographical longitudes of both stations.

Simplified determination of the hour angle t_X of the other station:

a) If both stations see the Moon either rising or setting and the other station (X) is further from the Moon than the own station then:

$t_X = t_0 + \alpha$

b) If both stations see the Moon either rising or setting and the other station (X) is closer to the Moon than own station (O) then:



$t_X = t_0 \pm \alpha$

Continued on page 245.

MICROWAVE NEWS

BY DC7BQ

Erstverbindung DL - OK auf 24 GHz

Nach einigen Vorbereitungen gelang der 10 GHz Gruppe- Bayerwald am 24.10.1982 die Erstverbindung auf 24GHz mit der Clubstation OK 1KDO/p.
Auf dem Gr.Arber (GJ76b - 1456m ü NN) waren DL8RAH,DL9RAH,DJ4YJ und DJ2ZL qrv. Auf dem Pframberg (GJ24j - 847m ü NN) waren die Op. derClubstation OK1KDO - OK1ZH,OK1WV,OK1IPK und OK1WN qrv.

Um o930 UTC wurde die erste Verbindung auf 24GHz -DL - OK von
DJ 4 YJ/p und OK 1 KDO/p
über eine Entfernung von 73 km mit beiderseitigen Rapporten 59 getätigt. Als Station wurde auf beiden Seiten Durchblasemischer mit Doppelschlitzstrahler und 60cm Parabolspiegel verwendet.
Die Leistung betrug jeweils 4 mW.

tnx fer info Hans

DB 5 KS (DL77h) wkd via tropo on 1296 MHz

14.9.82	2o18	G8HPU	53	52	AM76c	qrb	432 km
	2o24	G3JXN	57	56	ZL39e		526 "
	2o43	G8TXG	52	52	YM79a		668 "
	2o48	G8GTZ	52	51	AM36f		454 "
	2125	G4BYV	59	59	AM25c		465 "
	2333	G4LUA	57	59	AM36e		450 "
	oo08	G8VLL	59	53	AM27f		446 "

and on 2320 MHz

14.9.82	2211	G4LRT	51	53	ZM45d	587 km
	225o	G4BYV	59	59	AM25c	465 "

and on 3456 MHz

14.9.82	23oo	G4BYV	519	51-3	AM25c	465 km

RX: Pre amp 2x MGF 14oo, TX: ca. 6W (2xYD 1060) ANT: DC3QS-Horn!!

tnx fer info Ro lf

DC Ø DA (DL38e) wkd via tropo on

1296 MHz	14.9.82	2317	GW8AAP/p	53	53	YN 65h qrb	738km
2320 "	3.1o.82	143o	DF9LN	52	52	EO 61a "	
3456 "	8.9.82	2o29	DC6TV	51	51	DK16e	
" "	2.1o.82	1844	DK1UV	55	55	EL11c	

tnx fer info Jürgen

DL Ø UL/p (FH26f) wkd on 1296 MHz via tropo

2.+3.1o.82 300km

DKØHT/p EK, DKØNA FK,DFØRX/p DJ, DL6NAQ/p EK, DC9BU/A EK,
DCØZF EK, DLØCI/p DJ,DK4FV EK, OK1KIR/p GK, OK1CA/p HK,
DJ5BV DK,

3.1o.82	o9o4	DF9LN	52	51	FO61a	735 km
	o9o7	DJ8XO	57	55	FN12c	687 "
	o911	DL3HAL	55	51	FN22d	669 "
	o926	DK3UC	51	56	FN14a	691 "
	o928	DF3XU	59	56	FN31a	666 "

Rig. TX: IC2o2 + transv. + PA 2xBFQ 68 ca4Watt
RX: NE 645 pre amp. NF ca.2 dB
ANT: 28 El. loop-yagi ----- 15oo m a.s.l.

tnx fer info Walter

DK Ø NA - DB 6NT- DH4NAG (FK58b) wkd via tropo on 1296 MHz

14.9.82	LA8AE	FT72n,	LA3FV	FT71b,	OZ1HDA	ER49c,	
15.9.82	G8VLL	AM27f,	SM6GWA	FS27j,	OZ7IS	FP49c,	
	OZ1ABE	GP12j,	SM7CFE	HQ68d,			
16.9.82	OK2KQQ/p	II33b,					
2.1o.82	HG4KYB	IH52a----	DL-HG Erstverbindung!!				
3o.1o.82	F1FHI	ZH63d,	F6CER	BI34g,	G4LRT	ZM45d,	
	G4BYV	AM25c,	G3LQR	AM67b,			
31.1o.82	G4KIY	ZM4oj,	OZ1FEF	EQ25c,	SMØFZH	JT54h,	
	OZ9SL	FP74g,	SM6FZH	GQØ2c,	OZ3SW	GP11j,	
	OZ9QV	GP22f,	OK2STK/p	jj33g,			

and on 13 cm

6.9.82	DJ9PC	DI8Of,	2o.9.82	DK2UO	DL74e		
2.1o.82	OE9XXI/9	EH,	DC7JF/p FK,	OK1KIR/p GK,	DL9GU	EJ,	DJ9vS EJ
	DL5FAU	EK,	DL7QY FJ,	DB3UU EJ,	OK1AIY/p HK,		
3.1o.82	DK1ZD	EO,	DJ3ENa EH,	DKØVL EH,	DJ9PC	DI,	
	DFØRX/p	DI,	DL7PA/p FK,	DH4NAG/p FK,	DC9KK	DK,	
	DC6TV	DK,					
3o.1o.82	PE1ALA	CM44e,	PA2DRV	CLØ3d			

and on 9 cm

3.1o.82	DC7JF/p	FK,	DL7PA/p	FK,	DH4NAG/p FK,		
3o.1o.82	PA2DOL	CL,	31.1o.82	DF9LN	FO,	1.11.82	DB3UU EJ

DB 6 NT (FK58b) wkd via tropo on 6 cm

3.1o.82 Y24IN GK, DH4NAG/p FK
3o.1o.82 PA2DOL CL qrb ---528km!!!!

tnx fer info Michael

DL 7 QY (FJ61e) wkd via tropo on

1296 MHz 4.9.82 OK1AIY HK18d, 3.1o.82 PAØGN/p DN63c,
21.1o G3IQR AM68b, 3o.1o. G3ØHW DN48a,
3o.1o.82 PEØESN DM53h, PA3BSK DIØ4a, F1FHI ZH63d,
LA3FV FT71b, DI7ZL GM47d, PAØOOS DN63c,
OZ9QV GP22f, DK1KR FNØ4g, DC1HV FN31d,
OZ9NI GP22c, DF9LN FO61a, SM4IAZ HT67h,
LA8AE FT77n, SMØFZH JT54n, OZ1FEF EQ25c,
DF4LY EC38g, OZ3CW GP11j, OZ1OF EQ78b,
ON5GF CK55h, SM6FHZ GØ2c, OZ9SL FP74g,
31.1o.82 OK2BFH/p JJ33g, OK2VIL/p JJ33g, OK2VGB/p JJ33g,
OK2STK/p JJ33g.

2320 MHz 3o.1o.82 PAØEZ CM66b, PEØESN DM53h, PEØAGO DM53h,
DF9LN FO61a, DK3UC FN14a, DF4LY EC38g 6o4km

3456MHz 3o.1o.82 DF9LN FO61a 565km!

tnx fer info Claus

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

27.1o.82 DB2VY DJ,
3o.1o.82 F1FHI ZH-1216km!, F6GCJ AG -1119km!, HB9ABN EH,
DG4GAN EI PE1ALA CM, G3LTF AL, PE1FOT CL.

tnx fer info Klaus-Dieter

DF 4 YU (ELØ3a) wkd via tropo on 1296 MHz

14.o9.82	1741	GW3CCF	519	539	YN65f	(1Watt)	798km
17.o9.82	1955	G4KDH	539	559	AL34h		542 "
	2oo7	G4KIY	51	55	ZM4oj		588 "
3o.1o.82	11o2	OK1AIY/p	53	54	HK28c		511 "
	1635	HB9AMH/p	53n	53	DH66c		541 "
	1646	F 1 FHI	53	53	ZH63d		894 "
	1857	F 9 FT	53	55	CJ51f		436 "
	19o7	F 6 CJ	57	59	AG13a		818 "

tnx fer info Dirk

DG 4 GAN (EI76a) wkd via tropo on 1296MHz

2.1o.82	F2TU/p	55	55	DI76g,	13.1o.82	OE9PMJ	59	59	EH
29.1o.82	OK1AIY/p	59	59	HK18c,	3o.1o.82	DK6AS	53	51	FM
3o.1o.82	DC7QH	59	52	GM.					

tnx fer info

DK 6 AS (FM 44d) wkd via tropo on 1296 MHz

9.o6.82	PA3BSK	51	53	DLØ4a,	G4KIY	519	519	ZM4Øj,	
	PAØWWM	529	519	CM63g,					
9.o7.82	OZ1OF	529	539	EO78b,	OZ1FEF	59	57	EQ25c,	
8.o7.82	G4MAW	41	319	YK43g odx 99oKm!					
	G4BRT	529	529	ZM76j.					
14.o9.82	g3GRO	51	52	ZI43j,	G3OSS	59	58	ZI4Øh	
	DL3HAI	59	57	FN31d,	DC8AM	59	59	EM5Øa	
	G3JXN	579	559	ZL39e,	DC9OT	56	57	EM49b	
29.1o.82	HB9AMH/p	52	52	DH66c,	DK4GD	56	59	EHØ3c	
	HB9MIN	52	52	DH66c,	DL7ZL	55	53	GM47c	
	DB2VY	51	519	DJ56a					
3o.1o.82	DG4GAN/p	51	53	EI75a,	F1FHI	56	54	ZH63d	
	DJ6GO	55	56	EI13j,	F6CER	56	54	BI34g!!	
	DK6IJ	539	539	EJ73h,	ON1JE	57	55	BL8of	
	OK1AIY/p	"	559	HK28c,	DL2LR	529	519	FH35h	
	OE2CAL	55	52	GH16c,	DL6NAQ/p	57	57	EK6Øb	
	OE2KMM	55	52	GH16c,	DC9BU/a	57	57	EK6Øb	
	DC1HV	57	59	FN31d,	DK2DB	519	519	EIØ3g	
	F6GCJ	56	58	AG13a.					
31.1o.82	OZ9SL	54	57	FP74g.					

Rig: 1,2m dish at 3om,1oo watts rf, 1dB nf-

tnx fer info Andreas

F 1 FHI (ZH63d) wkd via tropo on 1296 MHz

13.9.82	DF9LN	FO61a,	PE1CHQ	DM53h,	PAØFRE	CLØ3j			
	PAØDOL	CLØ3j,	PAØWWM	CM63g,	PE1CQQ	DM11e			
	PE1CKK	CM66b,	PE1DCD	CL13a,	DF1EQ	DL76a			
14.9.82	F6CBC/p	ZD43a,	F6GCJ	AG13a,	G8TXG	YM79a			
24.1o.	F9FT	CJ51f,							
3o.1o.	DF2EE	DL75b,	DJ5BV	DK26h,	DL7QY	FJ61e			
	DJ3ZU	DI43f,	DD8DA km	DI47h,	DB6BX	DM46c			
	PE1CHQ	DM53h,	DF5LQ 1135	EO5oj,	PAØEZ	CM66b			
	PE1ALA	CM44e,	DC7QH 1218	GM73c,	PE1AEL	DM43a			
	DB2VY	DJ56a,	DJ9PC	CJØ9a,	DKØNA	FK58b	1017km		
	PA2JOK	CL15b,	ON5GF	CK55h,	PAØCRA	CM75a			
	PE1AKJ	CL8oh,	DJ8XO 1115	FN12a,	DK8VR	DJ55c			
	DF7YU	ELo3a,	DK6AS	FM44d,	DB5KS	DL77h			
	DC8VJ	DL29h,	G4LRT	ZM45d,	DB1VY	DJ55f			
	DB3UU		G8MIW	ZMo5a,	OZ9NI	GP22c	odx! 1345km		
	DL6NAQ	EK6ob,	DC9BV/A	FK6ob,	PA2GBK	CLo6d			
	PE1FOT	CLo6a,	DCØHW	DN48a,	PE1CKK	CM66b			
	OZ3SW 1341	GP11j,	PA3BSK	DLo4a,	PE1DAP	CK1oc			

F 1 FHI (ZH63d) wkd via tropo on 1296 MHz

30.1o.82 DF5XP ELo3a, DF8DO DI47h, DF4LY EO38d, DF9LN FO61a
DK3UC FN41a, F6BSJ CG24f, DF3XU FN31a, DC9XO EM14a
DF1EO DI66f.
31.1o.82 F1CFX AH , G8DKK ZIo8d, 1.11.82 F9FT CJ,ON5GF CK55h

tnx fer info Jean Pierre

F 6 CER (BI43g) wkd via tropo on 1296 MHz

3.o7.82 F1KNO BH2oc, F6DZK AI2od, F6ECI/p BJ39j, G4JAR/p YK
7.o7.82 H39AMH/p DH66c, G3LQR AM66b, DK8SG EI13j, DK5IE EJ72c
8.o7.82 GJ8KNV YI7oc, G3AUS YK32j, 18.1o.82 F1BEG/p BF35f
25.o7.82 F1AQC AF ,26.o8.82 F6GCJ AG13a,
29.o8.82 PE1CHQ DM53h, 6.o9.82 Aurora-very strong noise QTF 3C
13.o9.82 ON5GF CK55h, PE1AKJ OL8oh, F9FT CJ G3LTF AL11d
DK3UC FN14a, DF9LN FO61a, DF5LQ EO5Øj
14.o9.82 LA8AE FT72h.
Rig: Ant. 4x23 El-Yagi 2om agl- 8owatts - pre amp
Nec 72o+Nec 64535 in the antennas.

tnx fer info

G 3 COJ (ZL37a) wkd via tropo on 1296 MHz

14.o9.82 ON1TE BL8of, DK1VC,SM6GWA FS27j, OZ1ABE GP12j

tnx fer info

G 4 BYV (AM25c) wkd via tropo on 1296 MHz

3o.1o.82 OE2CAL - OE2KMM GM, DE3UU EJ, DJ6GP EI, OK1AIY/p HK
DKØNA FK, DH4NAG FK, DI6YAQ EK, DBØJO beacon
and on 2320 MHz OK1AIY/p in HK qrb 1o27km !!

tnx fer info John

G 4 IRT (ZM45d) wkd via tropo on 1296 Mhz

15.o8.82 GB2YM XM,2o.o8.82 GU4KNZ/p YJ, 14.o9.82 OZ1AXX FQ,
14.o9.82 SM6BSG GR, SM7CFE HQ68d qrb 1152km ODX !!

2320 MHz 14.o8.82 DK2UO DL, DB5KS DL both stn. 55 ssb!

3456 MHz 2.1o.82 G3TQF/p ZM26c

tnx fer info

I 2 FUM/2 (EE27j) wkd via tropo on 1296 MHz

20.06.82 0907 YU3 R/3 HF11f
3.7.82 1747 YU3APR/2 HE25c, 2035 YU3ABL/3 HF21j,
2050 IW3QCV GF29d,
4.07.82 1024 FØBEP/FC EC35c,

I 2 FUM/1 (EE38j) 15.08.82 0911 IW3QAF/3 GG68b
0953 IT9CAA/9 GY67c,

I 2 FUM/1 (EE26c)

3.10.82 0728 F2TU/p DI76g CW first QSO between I'-F ??
Rig: 1Watt, MGF1400, 39 El.-loopyagi.

tnx fer info Tony

PA Ø WWM (CM63g) wkd via tropo on 1296 MHz

15.05.82 G4KUX/p YO, 16.05. DF7YL EL, 03.06. OZ1AXX FQ,
9.06.82 DK6AS FM, 3.07. DG4BB EN, 04.07. GW4KGC YN,
4.07.82 G4HWA/p AE, 7.07. HB§AMH/p DH, G4KGC ZM,
8.07.82 G3COJ ZL, 8.07. G8IZV ZL, G8MWR ZM,
G8GP ZL, 9.07. G8GRT ZM, 28.07. OZ1HDA ER,
28.07.82 LA8AK DS, 29.7. G8VRJ ZN, 4.08. OZ7LX FP,
4.08.82 OZ7IS GP, 8.08. F1EBN/p BJ.

tnx fer info Wimm

PA 3 BGL (CN7Øa) wkd via tropo on1296 MHz

7.06.82 LA8AE FT, 30.07. G8VLL AM, LA3FV FT, G3ZEZ EL,
30.07.82 SM6HYG FS, 3.08. G3MMK ZN, 15.09. SM6ESG GR,
15.09.82 OHØNC KU, OZ1EUI FP, 19.09. G4KDH AL,
19.09.82 G3FHG AL, 18.09. OZ2LD FO,

tnx fer info Albert

OE 1 ERC/9 (FH41h) wkd via tropo on 1296 MHz -1500m asl

2.10.82 DJ5BU DK, 3.10.82 DC6TV DK, 3.10.82 PE1DAP CK
3.10.82 DL1EBR DL, PE1AKJ CL, PA3BPC/p cM

and on 2320 MHz 2.10.82 DK4GD EI, OE9XXI/9 EH
2.10.82 DKØVL EH, 3.10.82 DJ3EN EH, DFØRX/p DJ
3.10.82 DC6TV DK,--ODX 430km!! 3.10.82 DB3UU EJ

tnx fer info Erich

OZ 7 IS (GP22j) wkd via tropo on 1296 MHz

12.09.82 PAØFRE CL, PAØEZ CM. ODX = 1205 km (G3AUS)
14.09.82 G3GIM ZL, G4KGC+G4KIY ZM, G8VRJ ZN, G4MAP YM and...
DKØNA+ FK, PA2DRV CL.

Continued on page 280

TROPO NEWS

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

by DL7ACG

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

DB3UM (DJ48c) wkd:

4.9. OE3LFA II
OE5XPL/5 HI

5.9. OK1KUO/p IK
OK2KQQ/p JJ
OK1KKH/p HJ
OK1AIY/p HK
G4NUL/p AL

tnx fer info, Manfred

DB6BX/A (DM46j) wkd:

9.6. SM7NJF HP
SM7LMN HP

tnx fer info, Peter

DD5TD/p (EI56g) wkd > 700 km:

14.9.
G8UIL/p ZL
OZ1CVP ER
G6AYJ AM
G4OIE ZN
LA1EKO BQ
G4CLA ZM
G4NWS ZM
G8VHB ZN
G4FXW ZN
G6CSH ZN
G4NQC ZL
G4OVT ZN
G3PHO ZN
G6BNT ZN
G8XVJ YN
15.9.
G6LNT ZN
G8XLV ZN
GW4HBZ/p YN
G8TGL AM
GW4GSS YN
G4BAH AM
G6GUW ZO
16.9.
OK3RMW/p JI

DD5TD/p (EI65a) wkd > 700 km:

15.9. G4DQL YK G6DME AL G6AKA/p ZK G8CKZ ZK

tnx fer info

DF1CF (FH23j) wkd:

5.8.
LZ1KPG/p LC
3.9.
HG6KOB/p KI
4.9.
HG6KVB KH
13.9.
GW4HBZ/p YN
14.9.
EI8EQ WN
G8PNN ZP
GD4GNH XO
GM4CXM XP
GI4FUM WB
16.9.
UA3LBO hrd
UB5PAZ ML
UB5WCF/p LI
UB5WAL/p LI
UB5WBJ/p LI

tnx fer info, Jürgen

DF1YQ (GM48j) wkd:

1.8.
OE6XFS/8 HG
I5BQN/3 GD
IV3GBO/3 GG
13.9.
GW4HBZ YN
G3UVR YN
G8XVJ YN
EI6EV WN
G6HTJ YN
G3CPS AK
EI9AJB WN
EI2DJ WN
EI2DW WN
GM4JLY YR
GM6IUE/m ZR
GM6KXS YR
14.9.
G6CUK ZN
G3ZXZ ZN
LA2NL ES
G8CGK YL
(SSTV)
GD4GNH XO
SM5CNQ HS
G4OTW ZM
G8WPD ZN
15.9.
RD2GGV LR
UP2CH LP
UC2ACA NN
RC2WGG OP
UP2AN MO
UQ2GFZ NR

tnx fer info, Gerd

DF3RU (FJ49j) wkd:

13.9.		G4CDC	ZN	LA6VBA	ES	OZ6ZR	FQ	UQ2GFZ	MR
G4CYA	ZN	14.9.		G8PVH/p	ZL	GW4HBZ/p	YN	16.9.	
GW4JZY/p	YL	GD4GNH	XO	LA2NL	ES	15.9.		UA3LBO	CO
GM8OEG	YQ	G3UVR	YN	SM6JLZ	GS	SM1MUU	JR	OK3RMW/p	JI
G4KEX	ZN	G3UTS	ZO	SM5CNQ	HS	RP2PSD	MP	UB5DAR	MI
GM6KXS/p	YR	LA8AE/p	FT	SM7MNQ	IQ	UP2BFR	LP	SP9DG	KP
GM8MBP	YR	G8WPD	ZN	SM7CAD	HR	RC2WEG	OP		

tnx fer info, Karl

DF5DE (EKØ2h) wkd:

30.10.		GW3OKA	YL	G3COJ	ZL	SM7DLZ	IQ	OZ1CTC	EP
OK2KZR/p	IJ	OZ1EYE	FQ	SM7KJH	HP	OT1BZY	GP	OZ1EQX	EP
G8UOT	AM	G6IHQ/p	ZL	UP2BKH	KP	SM6CEN	FR	SM6NQE	GP
G3CHN	YK	31.10.		OZ1CSA	EO	G8VHS	ZN	OZ3GW	FQ
G5YU	YK	G4KDL/A	AM	OZ1FTW	EO	F6EVT	BI	SM6KJX	GP

tnx fer info, Karl Otto

DF9CY (ELØ2e) wkd:

13.9.		G4ITR	YN	GM6ACU	YP	GW4EAI	YL	EI2CA	WN
EI9YC	WN	EI6EV	WN	GW4MSO	XN	G6CJW	YM	GM8OEG	YQ
G8NYA	XK	GU6EFB	YJ	EI9Q	WM	G6WR	YO	14.9.	
EI8BC	WN	G6IEP	XK	GI6EPR	XQ	GD3FLH	XQ	F6CCH	ZG
GI4OPH	XO	GW8ELR	XL						

tnx fer info, Chris

DF9PY (OK65g) wkd > 700 km:

3.9.		OK3KJF/p	II	OK3KWZ/p	JI	OK2TT/p	IJ	GW3LDH	YN
OK3KJF/p	II	GW4CZZ/p	YN	OK2KQQ/p	JJ	13.9.		G3UVR	YN
5.9.		GW3OXO/p	YM	OK7ZZ/p	JI	GW4HBZ/p	YN		
OK3KEE	II								

DF9PY/p (OK65g) wkd > 700 km:

1.8.		YT3A	HF	LA8AE	FT	SM7KNK	HP	SM5MIX	HS
OE3XUA/3	HH	YU3CST/3	GF	SM6NQE	GR	OZ1CVP	ER	SM5CNQ	HS
OE3LFA	II	YU3DAN	GF	G8IAJ	ZO	G6CBN	ZO	SK4BX	HT
YU3UVD/3	HG	YU3UAN	GF	SM6GTF	GS	SM6JLZ	GS	15.9.	
I4KLY/4	GD	14.9.		LA9CM	FT	SM6JWU	GO	F6HRP	YI
I4BXN	FE	LA6VBA	ES	OZ1ACB	GP	G8RAO	ZM	G8JDX/p	YK
OE6XFG/8	HG	OZ1ASL	FO	LA8EW	OS	G4NUY/p	YO	G4DOL	YK

DF9PY/p (OK64b) wkd > 700 km:

4.9.		OK3KPV/p	JI	HG1K3A/p	IH	OE3XUA/3	HH	GW4NXO/p	YL
OE3XUA/3	HH								

tnx fer info, Stefan

F6ETI (YH24c) wkd:

17.8. I2FAK EF IW1AHH DF I1MXI 27.8. F1JG

From February, all day 100 % sked with F1DLT (CH), 693 km

tnx fer info

DG1BP (JN37h) wkd > 700 km:

3.8.
GM4DMA/p YP
SK1PW/1 JQ
11.8.
HG4XT JH
OE5KI HI
12.8.
HG1YA IH
OE3NDA II
3.9.
F5XU OF

4.9.
OE1XA/2 GH
12.9.
F1FHI ZH
13.9.
F1DIK ZH
EI9EP WN
GI4OPH XO
F6EQG/p ZI
GW2HIY XN
GW5FBK XN

F1GHP ZG
F1GTR ZG
EI7EH WN
GW6HYA XL
EI4CL WN
EI68C WN
EI3V WN
14.9.
EI5EM WN
EI9EQ WN
EI7QC WN

SM4LMV/4 HT
SM5CHK HS
SMØHAX JT
EI2DJ WN
15.9.
SM1NDF JR
SM1LPU/1 JQ
SM1NVW JR
SMØFPT IT
OHØJN KU

SK5ID IT
SMØKFJ IS
SM4MNN HT
OH1DP LU
SMØFMT IT
OH1DB LU
SM4NFL HS
SMØKFV IT
OH1AWW LU
UR2GZ MS

tnx fer info

DK6AS (FM44d) wkd > 700 km:

3.8.
OK3KAS KJ
SK1PW/1 JQ
12.8.
HG4XT JH
HG8ET KG
HG5A JH
HG5KF/1 IH
YU7AR KF
12.9.
GJ4JWA/p YJ

13.9.
EI6EV WN
EI2DW WN
G6EFX ZL
G8JVM ZL
GW3LQH YN
G4OAE ZL
EI9AHB WN
EI8EQ WN
EI8EN WN
EI9Q WM

GW3XLY XL
GW8UZL XN
G8CJW YM
G8HKT YL
G8HTE XK
G4PEM XK
GJ8SBT YJ
GD4GNH XO
EI6AS WN
GW6DDB XN
EI4CL WN

GW6IDM YL
EI2DJ WN
15.9.
RQ2GGV LR
UQ2GFZ NR
UP2CH LP
RP2PED MP
RQ2GAG MQ
31.10.
UQ2NX MR
UP2BEA LQ

UA2FCH KO
UP2PU LO
RR2RBD MS
UA2FAY KO
UQ2GAJ LO
UP2BKH KP
UQ2GLO KQ
UQ2AO MQ
UQ2GCG LR
UQ2GDA KO

tnx fer info, Andy

DK5AI (FL33b) wkd > 800 km:

13.9.
EI6EV WN
GM8MJV YP
GM4COK YP
GM6KXS YR
GM4CXM XP
GM4CXP YP
GI3SXG XO
EI2CA WM
14.9.
LA6HL OS
LA3EQ OS

SK4BX HT
GD4GNW XO
SM5CNQ HS
15.9.
UB5PAZ ML
HGØHO JH
UB5WAC LI
UP2BJB LP
RQ2GGV LR
UC2ABT NN

HG8CE KG
RP2PED MP
UB5WCF LI
F6HRP YI
UA2FAL KO
UP2BFR LP
16.9.
HG4XT/p JH
HG8ET KG
YU3EW IG

30.10.
F1CXP ZF
31.10.
UQ2GII MQ
RQ2GAG MQ
RR2RBD MS
UQ2GAJ KO
UA2WJ KO
UR2GZ MS
UR2RIX MS
UR2EQ NT

RR2TEJ
UR2GKQ
SMØHAX
SMØDCX
UA2FCH
UP2PU
UP2BFR
UQ2GAJ
UQ2AO
UQ2GDA
UP2BKH
UQ2GCG

tnx fer info, Wolfgang

DL4NAA (EJØ6a) wkd:

1.8.
I3EVK/3 GG
I4KLY/4 GD
IW4AHX/3 GE
OE3XUA/3 HH
I3REH/3 FF
YU3ACA/3 HF
IS8QN/3 GD
IV3GBO/3 GG

OE3LFA II
I4BXN FE
I4VEQ/4 FE
YU3CST/3 GF
11.8.
I4BXN FE
12.8.
HG6VX/p JH

13.8.
I1BEP DE
4.9.
OK2SGY/p IJ
OK2KWL/p JJ
OK2BFH JJ
OK3KFV/p JJ
OK2BGQ/p JJ
OK3KJF/p II

OE3XUA/3 HH
5.9.
OZ1TEP EP
OK3KPV/p JI
OE3WBA/3 HH
OK2KWL/p JJ
OK1DJW/p IK
OK3KFV/p JJ
G3EFX/p ZK

13.9.
GW8NVN YL
GW3OKA YL
GI4OPH XO
1114 km
14.9.
G8IAJ ZO
OZ1EYE FQ
G3XSK AM

tnx fer info, Christian

DL5BBL (EM52f) wkd > 600 km:

1.8. OE5XVL/5 GH

tnx fer info, Klaus

DL7YS (GM46b) wkd:

14.9.
OK3KZA JJ
G6ADH ZL
G4KEX ZN
LA2NL ES
G8ZWY AM
OZ6ZR FO
G8WPD ZN
15.9.
OK3XI/p II
OK3WAD/p II
9.10.
DF9RJ GI
18.9.
HG1KYY IH
OK3KJF/p II
OK2KZR/p IJ
3.10.
OE3WOA II
OK2BFN JJ

tnx fer info, Peter

EA3LL (AB56b) wkd > 1800 km:

1.8.
9H5EJ HV
9H4P HV
IH9ONU GW
I2KSX/8 HY
IT9IKG GY
IT9ZWV HX
IT9CWA GY
IT9TDN HY
IØEIO GB
IØAKP GB
9H1CO HV
9H1BW HV
IWØAIJ GB
IØHDX GB
IØMDP GB
IC8EGJ HA
I8RPL GB
11.8.
IWØAIJ GB
13.8.
IWØBET GB
IØWJJ GB
IØKIR GB
14.8.
9H1BT HV
IWØBET GB
IØLWO GB
IØEIO GB
IØAKP GB
IØJCO GB
15.8.
9H1CO HV
9H1GK HV
9H1GD HV
IWØBET GB
IØLBK GB
4.9.
9H1BT HV
9H1CD HV
I4KLY GD
IC8EGJ HA
7.9.
I5BQN GD
EA1BLA VD
EA1RCA VD
EA4AAW WZ
EA7DI YX

tnx fer info, Joseph

F1FHI (ZH63d) wkd > 1400 km:

13.9.
SM6AEK GQ
SM7NJF HP
SM7LXV GP
SM6EOC GQ
OZ1GRF HP
OZ1BJF HP
SM7BHM HG
SM6CMU FR
OZ1CFR HP
LA6VBA ES
LA2SN ES
SM6JOO GQ
14.9.
LA8TS FT
SM6HEL GS
SM6NQE GR
SM6JWH GQ
SM4COK HT
1739 km
SM6LIF GR
SM7LHI GP
SM6GWA FS
SM6GTF GS
SM5CHK HS
SM6LMD GO
LA2SN ES
SK7JC HQ

tnx fer info

FSCER (BI) wkd:

18.8.
EA2EG YC
3.9.
DG6NAQ FK
Y52ZM GK
OK2GR FJ
OE5XDL HI
OK1KRA/p GK
OK1KHI/p HK
OK1IAP/p GK
4.9.
OE1XA/2 GH
OK1KRU/p HJ
OK2SGY/p IJ
OK2SFH JJ
OK2KJL/p JJ
5.9.
G4APA/p ZO
13.9.
DL3LAL EN
DL6FAJ/p EO
OZ1DPR EP
GI3SXG XG
OZ1AUX FP
14.9.
LA9AE FT
LA9CM FT
LAØCX FT
OZ1BEF/A EQ
SM5CNQ HS
SM5CHK HS
SM6EOC GO
SM6EAN FR
SM6AFH GQ
SM6AEK GQ

tnx fer info, Georges

F6DWG (BJ14j) wkd:

6.11.
OK2PR EN
OK7AW FL
PAØPKD DN
OK1KRG/p GK
DL6DAO EL
G4LKM/p YN
G4KTP ZO
OKØON EL
OKØSM/p EM
OK3LM/p FJ
OK8ZB/p EJ
Y24XN/p GK
7.11.
GD4IOM XO
DLØKI FO
DKØBC EI
DJ7HC/p EI
PAØOOS DN
DFØSI FI
DL6NAA FK
PAØABE DM
DKØSC/p FJ
DJ3SA FJ
OK1KVK/p GK

tnx fer info

G3CHN (YK61b) wkd:

7.8.
EA1KV VC
EA1YV VC
EA1RCA WD
ED1RCF WD
EA1AZN VC
EA2DJ ZD
EA1TH YC
EA2AA YD
EB1MS XC
EA1NQ XD
EA1APY VC
11.8.
EA1VHF VD
F6CBC/p ZD
21.8.
EI3TLT XQ

tnx fer info, Roger

G3COJ (ZL37a) wkd:

14.9. DF6OB FM SM7ASN GQ UQ2IV KQ 15.9. UP2BJB LP

tnx fer info

G3PBV (YK32b) wkd > 900 km:

3.9.
DL6NAA FK
OE1XA/2 GH
13.9.
Y22ME HM
LA2SN ES
SM7NJF HP
OC4LZ EO
OZ5OL FP
14.9.
SM7MRJ GP
SM6EOC GO
SM6AFH GQ
SM6LIF GR
SL7BZ HQ
SM5CNQ HS
SM7MXO HR
LA8EW DS
30.10.
DF9RJ GI
OK1KKH/p HJ
DJ8YZ EN
Y24XN/p GK
OK1KRA HK

tnx fer info, Dave

G4IGO (YL38f) wkd:

7.8.
EA1RCA WD
ED1RCF WD
F6GCP/p XH
F6ETI YH
EA1KV VC
11.8.
EA1ITA VD
EA1BLA VD
EA1KC XD
F1KLJ ZF
F1BUU ZE
F6FHP AE
14.8.
GM5EHK/p ZR

tnx fer info, Ken

G8LFB (ZL3Øf) wkd:

11.8.
EA2JG YC
EA2AA YD
12.8.
DF9RJ GI
3.9.
OE1XA/2 GH
OE5ODL/5 OI
OE5ODL GI
OH4MR FI
10.9.
F6CBC/p ZD
13.9.
OZ1BJF HP
14.9.
OZ1GRF HP
OZ1BJF HP
SM7KNK HP
SM7LMN HP
SM5CHK HS
SM5CNQ HS
SM7ENC HQ
SM7MXO HR
SM1LFU/1 JO
SM6NQE GR
SM6LQR GR
SM6GTF GS
SK6HD GS
SM7MRJ GP
SM7NBR GP
SM7JUQ GP
SM7LMD GQ
SM6JUU GQ
LA8AE FT
LA6VBA ES
OZ1HNE FR
15.9.
HB9MCY DG
HB9ARI DH
HB9AMH/p DH
29.10.
DL1MAX FI
OE2KMM GH
30.10.
OK2BFH/p JJ
OK1KHI/p HK
OK1KKH/p HJ
OK1IBI/p GK
OK2KZR/p IJ
OK1KRA HK
OE5XOL HI
OE5VHL GI
Y2IVC/p HN
Y38ZA HN
Y25JE HM
Y24XN/p GK
Y21SF GL
Y37XL GL
Y23OD GM
Y23OO GM

tnx fer info, Jim

G8MFJ (ZL42g) wkd:

7.8.
EA1APY VC
EA1TH/p YC
11.8.
F1CYS BH
EA1KC XD
EA1CR XD
EA2AA YD
EA2JG YC

tnx fer info

G8MJD (ZN12b) wkd:

14.9.			SM1MKY	JR		SM7MBH	HP		SM7JIQ	HR		OZ9FW	GP
SM6AEK	GQ		SM7ENC	HQ		OF1CF	FH		SM6CHY	GR		Y25FG	FM
SM7HLU	GQ												

tnx fer info, Andy

G8TZT/p (ZN12j) wkd > 700 km:

11.8.			DG5OX	EM		DF7OG	FM		12.9.			DG6OA	EM
EA1ALA	VD		DB6UL	FM		DB7OB	FM		DK1FU	EN		DG3LV	FO
de AN21j			DL4OL	FM		DG6BA	EN		DB7XK	FN		DC4OS	EM
11.9.			DB2YV	EM		DC5XL	FN		DC7UT	GM		DD3HX	FN
DG3LAG	EO		DG2OW	EM		DL1LAI/A	EN		DF3AR	FM		DF9OZ	EM
DL9BAK	FN		DF3AY/p	EM		DG7AT	FM		DG8BBF	EM		DL3LAL	EN
												DF3AT	EM

tnx fer info, Chris

HB9PUY (EF15b) wkd:

2.8. IH9ONU FW 25.9. IT9JLG GY

HB9PUY/p (EFØ6g) wkd:

4.9.			IT9DWV/9	GX		IØAKP	GB		YU2BST/2	HE		IT9VKL	GY
IT9XJJ	GY		IØ2MZ/Ø	GB		IØEIO/Ø	GB		YU2AKL/2	ID		IT9UHS	GX
5.9.			IT9VMN	GY		ISØCSX/ISØ	EA		IT9WGZ/9	GY		IØXPS	GB
IW9ALA/9	GY		IC8EGJ	HA		IC8ZUQ	HA		I7TWM/7	HB		YU2JL	HD
IWØAWH	GB		YU2CBM/2	ID									

tnx fer info, Bert

HG1YA (IH63b) wkd:

4.9.			DF5CF/A	EJ		RC2WBR	NP		UR2GZ	MS		UP2PU	LC
YU6VHF/6	JC		I1DKW/1	DE		RQ2GGV	LR		UQ2GHQ	LR		SM1MUU	JR
YU5FAA/5	KB		I7TWM/7	HB		UP2CH	LP		RB5WAA	MJ		RC2WCG	OP
YU5CEF/5	KA		DKØLC/p	DJ		UC2ABR	NN		RP2PED	MP		RR2TEJ	NT
ISØCSX/ISØ	EA		HB9AHD	EH		UR2RIW	LS		RQ2GAG	MQ		16.9.	
LZ1WL/p	LC		13.9.			UP2BKH	KP		OH2TI	MU		UB5WBL	LJ
I2PJA/2	EE		G3UVR	YN		UC2ACA	NN		UP2BFR	LP		UP2AN	MO
SP5BR	KM		14.9.			UP2BJB	LP		SMØHAX	JT		UB5DAR	MI
DF1YQ	GM		LA9CM	FT		SMØBYC	IT		SMØDCX	IT		17.9.	
5.9.			15.9.			SK4BX	HT		UQ2GFZ	NR		UP2BJB	LP
DKØTT/A	EJ		UB5PAZ	ML		UP2AN	MO		UR2EQ	NT		UA2FAL	KO

tnx fer info

HG8ET (KG22j) wkd > 1000 km:

23.8.			PAØCIS	CM		PA3BRS	CM		DL3YBP	EM		DK6AS	FM
PAØRDY	CM		PE1CZQ	CM		PE1CHV	DM		PE1FMU	CM		DL6BF	DM
PE1EVX	CM		PAØKWY	CM		PA3AJG	DM		DD8DG	DL		DL9GS	DL
PA3CGR	DM		PA2BRS	CM		PA2GFL	DM		PE1BTX	CN		PAØJMH	CN
PAØBLD	CM		PAØXMA	DM		PE1CJW	DM		PAØKDV	DN		PAØOOM	DN

tnx fer info, Gyula

I3NOO (FF5Øe) wkd:

2.8.
I7QHE IA
4.8.
IH9ONU FW

4.9.
I7TWM HB
ISØCSX EA

2.10.
OK3CPZ JJ
10.10.
OK2KZR IJ

OK1ATQ HK
OK1KKH HJ

24.10.
OK1JKT GK

tnx fer info, Maurizio

OE1RKU (II63f) wkd > 600 km:

15.8.
F1JG CD
4.9.
YO6AZR/p MF

LZ1KSZ/p LC
YU1PRV/1 KD
YU6VHF/6 JC

14.9.
G3VYF AL
SM6DLY GR

15.9.
SM7FMD HR

SM1MUU JR
SMØGWX JT
SM1MUO JR
SMØKFJ IS

SMØFMT IT
SMØKCR JT
SMØIGU JT

tnx fer info

OE3CEU (II52f) wkd:

4.9.
F8ZW DI
F6CMB DI
F1GSA/p DI
F6HVH/p DI
5.9.
LZ1KSZ/p LC
YO7KAJ/p LF
14.9.
OL5LAH EO
15.9.
OZ1DGE/A HP
17.9.
LZ2KBI LD

25.9.
I2ZZZ EF
26.9.
OZ3SW GP
OZ1FCE GP
SM7LXC GP
22.10.
OZ6SI GP
30.10.
OK5LØ EO

PE1GHW DM
DK6OA DL
DHØEAJ DL
DF8JD DL
G8UHU/p ZN
G8FQO AM
PE1HVT CL
DG4DB DL
PAØBHD CL
PAØHIP CL
PE1DUW CL
G4PLZ ZN
PE1IMK CL
PE1ILC CL

PE1IKP CL
PE1IBU CL
PEØEMC CL
DG9YN EL
DF8AE EM
PE1GBT DM
DG8DU DL
DDØEM DL
PE1AAP CM
PE1ILF CL
PE1BBA CL
PE1BNK CM
PAØKDV DN

PE1FJE CM
PE1GZZ DN
PA3CEE DN
PA1GPX CL
PE1INQ CM
PE1IHVD CL
PA3CDE CM
PAØHRE DM
DG1YBO DM
DL2YGG DL
DL2YAJ EL
31.10.
DB7XO DM

tnx fer info, Erik

OE6THY/6 (HH69j) wkd:

4.9.
YO5TP/p LG

YO7KAJ/p LF
YO7DL LE

YO9AFE/p LF
LZ2KBI/p LD

YU1UM KE

YU1IW KE

tnx fer info, Eno

OE6XFG/3 (HG15d) wkd:

4.9.
HGØHC KH
YO6AZR/p MF
OK3KYG/p KI
YO5KOH/p LG
YU7GST KE
YU7BIC/7 KF
LZ2KBI/p LD
YL1GBA KE

YU1PTH KE
UB5WCF/p LI
UK5UAA/p LI
YO2BCT/p KF
HGØHDA/m KI
YO6KNI KF

YO2BX/p KF
YO2IS KF
YU5FAA/5 KG
YO7DL LE
HGØDG KH
YO6KNI MG

YO2MD KF
DKØEA/p EK
YU1IW KE
DL4FAF/p EJ
Y59ZI/p FK

5.9.
YO2GL KF
YO7KAJ/p LF

DKØTT/A EJ
YU1AGR KE
YU1ZL/p GL
DF1VW/p DJ
YU1UM KE
YO9AFE/p LF
YO5TP/p LG
YU1EGH/1 KE

OK3ZCA/p EJ
IØCUT/Ø GC
SP6BTI IL

tnx fer info, Werner

UA1ZCL (RCØBc) wkd:

2.8.
SM2CHI MZ
SM2BYA KD

7.8.
OK1ZBA OD

12.8.
OH7TN/9 OC

22.8.
OH1AU/9 NC

23.8.
OH1AU/9 NC

tnx fer info

OK3RMW/p (KJ62g) wkd > 800 km:

4.9.		YU5CEF/5	KA	YU5FEF/5	KA	I7YM/7	HB	DF8IK	EJ
LZ1KSZ/p	LC	5.9.		YU5XFG/5	KB	OKØLC/p	OJ	I6DQE/6	GD
I4WOS/4	FE	YU5FAA/5	KB	YU5RSM	KB	DL4FAK/p	EJ	I6WJB	HC
I4KLY/4	GD	YU5EF	KB						

OK3RMW, OK3YCM/p (JI43d) wkd 700 km:

14.9.		15.9.		SMØDCX	IT	SMØHAX	JT	DG4GAN	EI
SM7KUG	HR	OZ9FW	GP	SM7KNK	HP	UP2BFR	LP	DD5TD/p	EI
OZ6ZR	FQ	OZ1EYE	FQ	SM6AFH	GQ	16.9.		DC9SW	EI
SM7DLY	GR	OZ1DOQ	GP	SM7CXI	HQ	SM5CNQ	HS	DG7GAY	EH
SM7MBH	HP	SM6EAN	FR	SM1LPU/1	JQ	UC2ACA	NN	DF3TH	EI
LA9DI	FT	DK1KO	FN	LA6ZW	FV	OH2TI	MU	F6FET	DI
OZ7EME	GP	SM6CMU	FR	SM7BYB	HQ	RR2RBD	MS	DF4UA	EI
SM7BYU	GP	OZ1FDJ	GP	UA2FAY	KO				

tnx fer info, Palo

OK3TEG/OK3KNM (JI51e) wkd > 800 km:

15.9.		OZ1DOQ	GP	SM6CMU	FR	SM6AFH	GQ	SM7KNK	HP
OZ1EYE	FQ	OZ1FDJ	GP						

OK3KNM/p, OK3TEG/p (JI43d) wkd > 800 km:

15.9.		UP2BFR	LP	SMØDCX	IT	SM5CNQ	HS	RC2WBR	NP
SMØHAX	JT	UC2ACA	NN						

tnx fer info, Milan, OK3TEG

ON4YZ (CK53e) wkd > 800 km:

18.8.		OZ6ZR	FQ	SK6MD	GS	SM1BSA	JR	15.9.	
F6DJØ/p	AD	SM6CMU	FR	OZ1GZZ	GP	SM6AFH	GQ	SM6DELY	GR
26.8.		GI4GVS	XO	OZ1FQN	FQ	SM7MEB	HQ	SM1LPU/p	JQ
F6ETI	YH	GI8YDZ	WP	SM6GWA	FS	SM7ANB	HQ	30.10.	
4.9.		EI3S	WN	SM6LIF	GR	OZ1FTY	GP	SM7QY	HQ
OK1KRU/p	HJ	GM8OEG	YQ	OZ1EYE	FQ	SM6HHN	GS	SM6CMU	FR
8.9.		EI9DC	WN	SM6JWH	GQ	LA3UL	FT	SM7BYU	GP
F1BUT	AD	GM6JNJ	XP	LA8AE	FT	SM7DZD	HR	UQ2GLO	KQ
13.9.		GM8MBP	YR	LA9CM	FT	SM4AXY	HT	OK1KPU/p	GK
GI3SXG	XO	14.9.		LA8EW	DS	OZ1OS	EQ	UP2BJB	LP
SM7LAD	GP	EI8BC	WN	SM5CHK	HS	OZ1BPO	ER	SM4AIQ	HT
EI8AYB	WN	SM6NQE	GR	LA4R	FT	OZ9QV	GP	SM4IVE	HT

tnx fer info, Paul

OZ3ZW (FO18e) wkd:

3.8.		7.8.		F6CTW	BI	G6CJW	YM	26.9.	
UQ2GLO	KQ	UA2FCW	KO	F1DZB	ZJ	GJ4ICD	YJ	OK2KZR/p	IJ
4.8.		13.9.		F1AIS	BJ	G3UDA/A	YM	OK1KPA/p	HJ
UA2FCH	KO	F1DPX	ZH	F9NW	AJ	G3BOC	YM	OK1GA	HJ
5.8.		G8NYA	XK	F3LP	AJ	GW6HMT/A	XL	OK1KBN/p	HJ
UA2FCH	KO	G8MCP	YK	F6BRZ	BJ	F6DDV	XI	OE3OBC	II
UK2GJF	KQ	G8RCF	YK	F1FHI	ZH	15.9.		4.10.	
SMØKFJ/p	JS	F6DKW	BI	14.9.		UP2BJB	LP	OHØJN	KU
UP2BKQ	KP	F1DPU	ZI	G4GPX	ZK	UB5WAL/p	LI	OH1DP	LU

tnx fer info, Torben

PAØBLD (CM55j) wkd > 1000 km:

12.9.		15.9.		SMØKFJ	IS	OH1DP	LU	UR2RIW	LS
UQ2GLO	KQ	SK5ID	IT	SM6CCO	HS	OHØNF	KU	UR2GZ	MS
13.9.		RQ2GGV	LR	SM5CRV	IT	OH1ZP	SU	RR2TEJ	NT
SM1CJV	JR	SMØHAX	JT	SM6DLG	HS	OH3MF	MU	RQ2GAG	MQ
14.9.		SMØDCX	IT	SM6DEC	HS	OH2TI	MU	18.9.	
SMØBYC	IT	SM5FNU	IT	SM4KHQ	IU	UP2CH	LP	SM4GVF	HT
SM5BUZ	HS	SM5QA	IT	SM5CUP	IT	UP2BFR	LP	SM4MI	GT
UQ2GDA	KQ								

tnx fer info, Pieter

PAØKDV (DN71f) wkd > 700 km:

11.8.		HG4XT	JH	EI9EH	WN	SM5DFF	IS	SMØGBU	JT
OE5KE	HI	HG5KF/1	IH	GW4MSI	XM	SM5MIX	HJ	SM5BIM	IT
12.8.		HG4KXG	JG	GI6FJB/p	XO	SM5CRV	IT	OH3OZ	MU
HG1KSO	IH	OK3TJK	II	GM4CXM	XP	SM5BOQ	IT	OH2TI	MU
HG5A	JH	YU7AR	KF	14.9.		OH1DP	LU	OH3RW	MU
OK1MDK/p	HJ	13.9.		LA3UL	FT	OH1ZP	LU	OH2LO	MU
HG1KYY	IH	EI2CA	WM	15.9.		OH1CO	LU	OH3MF	MU
HG8ET	KG	GW4MSO	XN	SM5EFP	HT	OH1DB	LU	SM5BUF	IT
OK2SGY/p	IJ	EI4CL	WN	SMØHAX	JT	UR2RIW	LS	OH3ZS	MU
HG1YA	IH	EI9AJB	WN	SMØEPM	IT	UR2RMW	LS		

tnx fer info, Kor

PE1AAP (CM67d) wkd:

4.9.		GW8ELR	XL	SM7JLT	GQ	SM4VA	GT	SMØKAP	JT
OK1KHI/p	HK	GM6KXS	YR	SM6OLY	GR	SMØKCR	JT	SM4MNN	HT
OE2CAL		14.9.		SM5CHK	HS	SM7GEP	HR	SM6MDH	GR
13.9.		SM6GTF	GS	SM1LPU	JR	SK4DE	HT	SM6LIF	GR
G8NYA	XK	SM6LMD	GQ	SM7HTH	HQ	SMØKFJ	IS	16.9.	
GI6EPR	XO	SM6JLZ	GS	15.9.		SM6MNS	GR	OE500L	GI
GI4OPH	XO	SM6NQE	GR	SM6LZQ	GR	SM7MXO	HR		

tnx fer info, Dolf

SMØDCX (IT7Øb) wkd > 1000 km:

14.9.		15.9.		PA3B8A	CM	YU3TBH	IG	YU4EDO	JF
PAØFTF	CK	PE1AGJ	DK	PAØBLD	CM	OK2SBL	JJ	OK2BGQ/p	JJ
DL9GS	DL	DL6BF	DM	OK1KCI	HK	OK2BME	JJ	OK2BSH	IJ
DF6VJ	EL	G4BAH	AM	OK2TU	IJ	UQ5OBE	OF	YU4VPM	JF
DJ9CZ	DL	G4ISM	AL	OK1ACF	HK	PA3BRS	CM	YU2RER	IG
DLØUD	DL	OK2KZR/p	IJ	OE3W8A	IH	HGØDG	KH	YU4VPR	JF
G3VYF	AL	PE1DTU	CN	YU3EW	IG	HG1W	IH	OK3TEG/p	JI
Y24XN/p	GK	OK1AUN/p	GK	OK3RMW/p	JI	OK2SGY/p	IJ	YU7QCN	JF
DF7DJ	DL	OK2KYC/p	JJ	HGØHO	KH	UB5WGJ/p	LI	OK3KNM/p	JI
PAØNIE/A	CM	OE3XUA	HH	UB5YM	MI	UB5WAL/p	LI	YU7ODR	JF
ON7EH	CK	PA3BYI	CM	UB5YCM	MI	OK3CGX	II	OK3YCM/p	JI
DK2EA/A	FK	OK1KKH/p	HJ	HG1YA	IH	UB5WCF/p	LI	16.9.	
G4MDZ	AL	PAØRDY	CM	OL7BDQ	JJ	OK2KQQ	JJ	YU2DG	JF
		OK3XI/p	II	YU1ICD	JE				

tnx fer info, Lars

SM7LXV (GP48a) wkd:

12.9.		F1BPO	BJ	G8DKV	ZM	G4JY	YM	GW4GSS	YN
PA3BZO	CL	F1DZB	ZJ	G4GFX	YM	G8DDY	ZK	OK8BAA	JJ
PAØAWL	CL	F1DPU	ZI	G6BWA	AN	G4NVA	YN	OK2KYC/p	JJ
ON7HP	CL	G4MHF	ZK	G8DHD	ZN	F1DBN	AK	UA2FAL	KO
ON1NA	BK	F6GCT	BI	G4FZL	ZM	G4MJC	AK	26.9.	
ON7EH	CK	DL9KAR	DK	G4DHF	ZM	G8VGU	AL	Y24XN/A	GK
PAØJCS	CL	14.9.		GW4JTG/p	YM	F2YT	BK	OK1JKT/p	GK
ON1DU	CL	G8MKD	ZM	G6ECM	AL	G8PTP/p	ZL	OK1MG	HK
13.9.		GW8XMT	YL	GW6HMT/A	XL	G6IHQ	ZL	Y79VL	HK
F6APE	ZH	GJ4ICD	YJ	OK1IDK/p	GJ	OK3XI/p	II	OK1AGI	HK
F1FHI	ZH	G3DGW	ZM	F1BPO	BJ	15.9.		OK1KSL	HK
F1DPX	ZH	ON1ARY	BL	G8ZWJ	AK	G8VLL	AM		

tnx fer info, Christer

Y22ME (HM53a) wkd:

1.8.		YU3UVD/3	HG	YU3FOB/3	HG	7.8.		RK5DX	LI
OE6XFG/8	HG	YU3CAB	HG	YU3TCW/3	HG	HG6NP/2	IH		

tnx fer info, Jürgen

YU2JL (HD3Øa) wkd:

1.8.		HG1KYY	IH	3.8.		10.8.		I1KTC/4	EE
ISØSTO/ISØ	EA	I2ZZZ/1	EE	IH9ONU	FW	DL1MBV	FI	14.8.	
OK3CDR	II	YU1OO	KC	9.8.		I2UIY/2	EE	OK2KZR/p	IJ
OE1XA/1	II	I2KSX/8	HY	I2PJA/2	EE	IK1AQI	DF	16.8.	
OK2KZR/p	IJ	IT9TDN	HX	IW2BSQ	EF	13.8.		IT9JLG	GY
YU7AOP	KF	IT9ZWV/9	HX			I7IWN	JA	I7QHE	IA

tnx fer info, Boban

70cm 70cm 70cm 70cm 70cm 70cm 70cm 70cm

DB5KS (DL77h) wkd > 600 km:

13.9.	G8AGU	YL	G8KBQ	YL	G3ZYC	ZN	G4OGU	XK
G6HKT	YL							

tnx fer info, Rolf

DF1YQ (GM48j) wkd:

4.8.		14.9.		15.9.		OK2KQQ/p	JJ	OK2KJT	JJ
SMØDJW	IS	G8JVM	ZL	UP2BJB	LP	OK2JI	IK	SP6BTI	IL
13.9.		G4LOJ	AM	2.10.					
GM4JLY	YR			SP6AZT/6	IK				

tnx fer info, Gerd

DF3EE (DL75b) wkd:

12.8. OE5KE HI HG1KYY IH

tnx fer info, Hans

DF9CY (ELØ2e) wkd:

30.8.
F5SE CJ
13.9.
G8ADE ZN
ØZ1A8E GP
G4DGU XK
GW8YUJ XN
G8AGU YL
G8UWM ZN
G8HER ZL
EI2DJ WN
G3NUU ZO
G6CGY ZO
2.10.
F6CTT/p AJ
DFØTA/p FH
3.10.
OE5XVL GH

tnx fer info, Chris

DG1NZ (FJ56j) wkd > 500 km:

1.8.
DF5LQ EO
DK2NH FN
DC4XH EN
DF9LN FO
7.8.
DF5LQ EO
14.8.
PAØFRE CL
15.8.
IU5AB/5 FE
22.8.
DE1HCO GN
3.9.
DN4YZ CK
ON5DV BL
G4ULU AL
G4LRT ZM
PE1CTM CL
G8KEN AL
PE1FJG CL
4.9.
ON4ASL BL
F6DKW BI
F1FHR BI
F2KX BJ
F1SA CI
F1FYE AI

tnx fer info, Wilfried

DC4GAN (EI76a) wkd:

14.8.
I6QGA GD
I2FHU FE
15.8.
ID4RHX/8 GD
3.9.
OK1MIY/p HK
G3VYF AL
PAØWNB CL
14.9.
I6QGA GD
G3VYF AL
OZ7IS GP
G4LOJ AM
G4LRT ZM
15.9.
OZ9IT EQ
20.10.
OK1MIV/p HK
OK6AS FM
30.10.
OK1MXS/p HK
DL3UZ FN
OK2VIL/p JJ
OZ9FW GP
DC7QH GM
OZ7LX FP
OZ3SW GP
OZ1HRA EQ
OZ1HDB ER
DL9HNL FN
Y21TC GN
OHØNC KU
1504 km
OZ1HTB HP
SMØDJW IS

tnx fer info, Hagen

DK5AI (FL33b) wkd > 500 km:

30.10.
F6GNR ZH
SM4IAZ HT
ØHØNC KU
F1DZB ZJ
F2KX BJ
F1CXP ZF
31.10.
UP2BEA LQ
RQ2GAG MQ
UP2BJB LP
Y21TC GN
SMØDJW IS

tnx fer info, Wolfgang

DK6AS (FM44d) wkd > 700 km:

13.9.
G6HKT YL
F1DZB ZJ
G8AGU YL
G4MAW YK
ON1FG BK
G8TFI YL
GW4LXO YL
F1DPX ZH
G4DGU XK
F1FHI ZH
F6ETZ ZH
ON4YZ CK
F6APE ZH
F1CVU AJ
G8KBO YL
G8HMI ZL
G6CUT ZL
G8MPX YL
EI2DJ WN
GU8UCO YL
G8ATK ZL
G8DJR ZM
GD4GNH XO
F6GNR ZH
14.9.
GU8AHI YN
LA3FV FT
SM4IAZ HT
G8GAU ZN
G4JCH ZM
G8XAA ZM
G3XNS/A ZL
15.9.
UP2BJB LP
RP2PED MP
UP2CH LP
UQ2CFZ NR
30.10.
F6GCJ AG
F6GNR ZH
F1FHI ZH
F1FYE/p AI
F1DZB ZJ
F1CXP ZF
F1AFZ BH
31.10.
UQ2NX MR
UP2BEA LQ
UP2BJB LP
UP2BKH KP
RQ2GAG MQ
UQ2GCG LP

tnx fer info, Andy

F6ETI (YH24c) wkd:

10.8. EA1TA VD

tnx fer info

DL7QY (FJ61e) wkd > 800 km:

3.9.
F1FHI ZH
G6JJY AL
G3UBX YM
G8GP ZL
13.9.
GD4GNH XO
OZ1HDB ER
LA8AE FT
LA3FV FT
G6ADE ZN
G3TA YL
LA3VW ES
SM7FMD HR
G8TFI YL
SM6FYU GQ
G4LRT ZM
G4DVN YN
SM6DHD GR
29.10.
G4CLA ZM
G3JXN ZL
G4LBV ZM
G4KIY ZM
30.10.
OZ10F EQ
SM6HYG FS
LA8AE FT
OZ1IUK GQ
F1FHI ZH
OZ1DHB ER
LA3FV FT
OZ1HRA EQ
SM4AXY HT
SM4MDZ HT
OZ3GW FQ
OZ2BB EQ
SM1BSA JR
SM6ESG GR
OZ1FJJ ER
SM4IAZ HT
SM7FMD HR
SMØFZH JT
SMØDJW IS
SM5QA IT
SM5BEZ JU
OHØNC KU
1368 km
SM5BEI JU
SMØKCR JT
SMØCPA IT
SM4CSK HT
OZ1FEF EQ
SM6CEN FR
OZ10F EQ
SM5FJ IS
G8ATK ZL
SM6FHZ GQ
SM6CMU FR
LA9DI FT
SM6CKU GR
OZ1IWZ FQ
SM7CFE HQ
OZ1CFO ER

tnx fer info, Claus

EA3LL (AB56b) wkd:

3.7.
I5WBE FD
F1CDC AD
F6KAW/EA6 CZ
9H1BT HV
EB1RU YC
EA1RCR YC
I5WJW/6 GD
F1ADT ZE
F1ETX AF
F6KMC AE
4.7.
FC1KPK EB
EB4YS YA
ISØDKU EZ
14.7.
CN2BL YV

tnx fer info

F1FHI (ZH63d) wkd > 1100 km:

13.9.
DK2NH FN
DB4LL EO
DC8QB EO
DF9LN EO
OZ1GER GP
OZ1GPI GP
SM7FMX GP
OZ4QA GP
DB3LA FO
DF4LT EO
OZ2LD FO
OZ2OE EP
OZ1IAK/p FQ
OZ3VJ EP
OZ1FEF EQ
OHØLAC FO
SM6FYU GQ
OZ7IS GP
OZ9SL FP
OZ9TM GP
OZ1ABE GP
SM7BAE GP
OZ3ZW FO
OZ1EKI EP
14.9.
LA8AE FT
OZ1FER GP
OZ1HDA ER
SM6GWA FS
SM6JJX GR
SM6LQR GR
OZ3VJ EP
30.10.
Y22ME HM
DL9KR EK
Y24XN/p GK
OZ9FW GP
DL8QS EN
OZ2OE EP
DF5LQ EO
OZ7LX FP
OZ9QV GP
DL9HN FN
DC7QH GM
DK1KO FN
SM1BSA JR
DL7ZL GM
SM6ESG GR
OZ9NI GP
OZ9DT FP
SMØFZH JT
1892 km
SMØDJW IS
SMØCPA IT
SMØBYC IT
SM7FMD HR
SM6FHZ GQ
DK1KR FN
DK3UC FN
OZ7LX FP
OZ1FJJ ER
SM7CFE HQ
DC6PO FN

tnx fer info, John

F6CER (BI) wkd > 400 km:

18.8.
F1BPK AE
F1BUT AD
3.9.
DK2GR FJ
DL1EY FJ
4.9.
OE2CAL GH
13.9.
SM7BAE GP
OZ1ABE GP
G8PNN ZP
DK3UC FN
OZ9FW GP
SM6FYU GQ
DF9LN FO
OZ1FEF EQ
DF5LQ EO
14.9.
G3APY ZN
LA8AE FT

tnx fer info, Georges

F6HLC (CG32g) wkd > 600 km:

8.7.
G8ORP XK
GJ8KNV YJ
G3VYF AL
G8SFM YL
G6ADH ZL

tnx fer info, Christian

G3COJ (ZL37a) wkd:

30.10. OK1MXS/p HK Y23FG FM OK2JI/p IJ Y23JK FK

tnx fer info, Brian

G3PBV (YK32b) wkd > 600 km:

14.9.	15.9.	30.10.	DC7QH GM	DC7UT GM
SM6ESG GR	ON5RF/p CJ	OK2BFH/p JJ	Y23KK/p FK	DL4OX FM
OZ7IS GP	29.10.	1572 km	DJ8YZ EN	Y24XN/p GK
OZ1HRA EQ	DC9BU/A EK	OK1MXS/p HK		

tnx fer info, Dave

G4LRT (ZM45d) wkd:

15.8.	13.9.	SM7FMD HR	OE9XXI EH	DL7QY FJ
GB2XM XM	ON6SB CJ	1156 km	LA8AK OS	OE5UKL/5 GI
GD8EXI XO	14.9.	DF7VX EL	SM6HZG GQ	DL2XK EN
GU3YGF/p YJ	OZ6CE FP	DC6HY FI	OZ9TM GP	DC7UT GM
	SM7BAE GP	DG4GAN EI	DG8NAQ FJ	

tnx fer info

G8MJD (ZN12b) wkd > 600 km:

12.9.	13.9.	14.9.	SM7BAE GP	DF7VX EL
DL4OJ FM	DJ5GR DK	DJ6MB DK	DB4LT EO	OZ9TM GP
		DC8DC/A DL		

G8MJD/p, G8WYR (ZN12j) wkd:

11.9.	DB6BX DM	DC6ZZ FM	DL4OJ FM	DL3UZ FN
PAØFRE CL	PE1CKK CM	PE1HSK CM	PE1FCQ CM	

tnx fer info, Andy

G8TZT (ZN12j) wkd > 750 km:

11.9. DK6OH EM DC4OL FM DF1AS FM DC4OH FM DL4OJ FM

tnx fer info, Chris

HG1YA (IH63b) wkd:

18.9. UP2BJB LP 19.9. UQ2GFZ NR tnx fer info

HG2KML/p (JH23j) wkd:

2.10.-3.10.	DLØSG/p GJ	YO5TP/p LG	OE5XVL GH	YU3BUV/3 HG
YU1AVV KE	OK1VBN/p HJ	YO5LI/p LG	YU1EU KE	OK1KIR/p GK
YU3USB/3 GG	OK1AIY/p HK	YO5BPE/p LG	YU1EV KE	LZ2KBI/p LD
YU1KL KE	OK1JB HJ	YU7AU KE	YO5KAS LG	IGQGA/6 GD
YT3A HF	OK1VUF/p HJ	OK1AIK/p HK	DKØNA FK	OK1CA/p HK

tnx fer info, Robert

OE1RKU (II63f) wkd > 500 km:

3.9. DG4GAN EI 2.10. I5WJW/6 GD 3.10. DKØIK/p EN

tnx fer info

I6QGA (GD38h) wkd:

14.8.		15.8.		2.10.		3.10.		OK2KQQ/p	JJ
OK2GR	FJ	I7SHO	IB	HG5AIR/6	KH	OK3CDR/p	II	OK2BBT/p	II
DG4GAM	EI	I1SCL/1	DD	HG1KYY	IH	HG2KRD	IH	OE3LFA	II
I2CVC/7	HB	I1SOH/1	DE	HG4KYB	JH	HG1KSA/p	IH	OK1VRN/p	HJ
DC7QY	FJ	I1HU	DF	HG7KSV/p	JH	OK3KVL/p	JI	HG2KML/p	JH
		I7HVP	IB	HG8KCP	KG				

I6QGA is all day's qrv from 2000 to 2200 GMT on 432,050 CW-432,250 CW-SSB.

tnx fer info, Priori

LA8AK (DS8ØØb) wkd:

14.9.		G6GN	YL	15.9.		DJ6MB	DK	OHØNC	KU
G4LRT	ZM	G3LTF	AL	DF3EE	DL	UP2BJB	LP		

tnx fer info, Jan-Martin

OE1ERC/9 (FH41h) wkd > 600 km:

2.10.		3.10.		PA3BPC/p	CM	PE1EBF/A	CL	DB6BU	DM
DL4OX	FN	PAØEZ	CM	DB6BX	DM	DC6BB/p	DM	DL2LAS	FN
		PAØCKV/p	CM	OKØIK/p	EN				

tnx fer info, Erich

ON4YZ (CK53e) wkd > 800 km:

13.9.		OZ9FW	GP	SM4AXY	HT	30.10.		SM6CEN	FR
GD2HDZ	XO	SM7CFE	HQ	SM6LQR	GR	OK1MXS/p	HK	OZ9NI	GP
OZ1ABE	GP	14.9.		SM6AFV	GR	OZ9FW	GP	OZ3SW	GP
SM7FMX	GP	SM6ESG	GR	SM7FMD	HR	OZ1IUK	GQ	SM4CSK	HT
OZ1GER	GP	SM6CKU	GR	SM6CMU	FR	SM1OSA	JR	OK1AIY/p	HK
OZ1GPI	GP	SM6GWA	FS	LA3VW	ES	SM4IAZ	HT	SM6FYU	GQ
OZ2GG	GP	LA8AE	FT	OZ8WK	ER	SM6FHZ	GQ	31.10.	
OZ4QA	GP	LA3FV	FT	SM6DND	GR	SMØUZH	JT	SM7CFE	HQ
OZ1FER	GP	LA4R	FT	SM6FYU	GQ	OZ9QV	GP	SM6ESG	GR
OZ7IS	GP	OZ9IT	EQ	OZ3ZW	FQ	OHØNC	KU	UP2BJB	LP
OZ1GML	GP	OZ1HDB	ER	SM6FZD	FR			SM7CMZ	HQ
SM7LXC	GP	SM6CTP	GQ	SM6JJX	GR				

tnx fer info, Paul

OZ3ZW/p (GO11j) wkd:

14.8.		OZ2VM	GP	DC7KM	GM	SM6EAN	FR	OZ2FO	GP
DC4XH	EN	OZ1DJJ	GP	OZ1ONO	FP	OZ1EIX	FO	OZ7IS	GP

OZ3ZW (FO18e) wkd:

13.9.		ON4YZ	CK	14.9.		17.9.		22.10.	
F1FHI	ZH			G3UOH	YM	G4LOJ	AM	OK6WW	GK

tnx fer info, Torben

Y22ME (HM53a) wkd:

7.8.		OK7MM/p	JI	OK7AA/p	JJ	OK3KVL/p	JI	Y21TC/p	GN
OK5KHF/p	II								

tnx fer info, Jürgen

OZ7IS (GP22j) wkd:

11.9. 13 PAØ stations in BL,Cl,CM and DM.
12.9. 15 PAØ stations in CL,CM,DL,DM and DN. 3 on stations in CK and CL. Different DL in FD,DL and GM.
13.9. 4 F-stations in ZH,AJ and BI. 14 G-stations in XK,YK,YL,ZK, ZL,ZM,ZN,ZP and AL. GM4COK and GM8MJY in YP. GU8FBO in YJ and ON4YZ in CK.
14.9. EI7EH in WN. GJ8KNY in YJ. HB9ABN in EH. 7 F-stations in ZG, ZH,AJ and BI. 45 G-stations in XK,YK,YL,YM,YN,ZK,ZL,ZM,ZN,ZO, AM and AL. GW8YUJ and GW8UZL in XN and GW8AHI in YN. ON4HP in CL and ON4BG in BK. 14 PAØ stations in CK,CL,CM,CN,DM and DN. 21 DL stations in DK,DL,DM,DN,EI,EL,EM,EN,FK and FL. This day gave my uptil now best dx: F6CCH in ZG11a = 1387 km.
15.9. HB9ABN in EH and HB9AMH/p in DH. Different DL, G and PAØ stations in ZL,ZO,AM,CM,DM,DN,EM,EO and FO. RC2WBR in NP.
18.9. Different G and PAØ stations in ZL,AM,CM,CN and DN.
24.9. HG1KYY in IH.
2.10.-3.10. (Region 1 Test): OE5XYL and OE5KE/2 in GH. SP6LB/6 in HK and SP6AZT in IK. 5 OK stations in GK,HK and IK. 57 DL and 8 Y stations in CM,DJ,DL,DM,EL,EM,EN,EO,FH,FL,FM,FN,FO,GL, GM and GN.

tnx fer info

PA3BGL (CN70a) wkd:

14.9.	15.9.						
G6GZT YM	OH1FA LU	SMØFZH IT	SM1MKY JR	OHØJN KU
	SMØDJW IS	SM5QA IT	SMØHQD IR	SM7GWU HS
		SM9LMV HT		

tnx fer info

PE1AAP (CM67d) wkd:

12.9.			14.9.		15.9.	
SM7DEZ GP	SM7CFE HQ		G6CBN ZO		SMØKCR JT	SMØDJW IS
	OZ7LX FP					

tnx fer info, Dolf

SMØFZH (JT54h) wkd > 600 km:

29.10.											
UC2AAB	NN	F6GNP	ZH	DL6NAQ	EK	DK2DB	EI	DC6DZ/A	DL
UQ2WBR	NP	1900 km		F1FHI	ZH	31.10.		DF3EE	DL
UC2ABT	NN	ON4YZ	CK	G3VYF	AL	DKØNA	FK	DJ9MH/p	EK
UA3LAW	PO	F1DBN/p	AK	DK9SU	EI	DB6NT/A	FK	DB2VY	DJ
UC2ABN	NN	DL7QY	FJ	DC2ST	EI	DL4GX	FM	DF7VX	EL
30.10.		DL6NAQ/p	EK	DF6NA	EJ	DK5QI	EL	DL9KAW	DK
OZ7LX	FP	DC9BU/A	EK	DJ5AP/p	EI			DF1OH	EM
		PE1AAQ	CM	DC9BV/p	EK				

tnx fer info

SM5BEI (JU72c) wkd:

30.-31. oct. we had very nice openings in south SM5-6 and SMØDJW worked lots of QSO's with 59 signals, even to south France on 432, app 1900 km, but at my qth 110 km North I heard hardly anything I worked 6 DL stations on 432 and none on 1296. Those who came through had hard QSB, when I worked you the signal tacked from SO to S9, but I copied your signals on 1296 SSB partly up in S4 but very sporadic, also very hard to get in contact with you on 432 for a sked on 1296.
I have some complains on the DL operators; FEW OF THEM CAN WORK CW, I heardseveral just coming over the noise but 90 % on SSB, I tried to call on CW, and I have lots of power so if I hear a station, he should also copy me. Few of them copied my CW and none changed to CW when I asked.
I believe you can gain at least 10 dB by working CW instead of SSB when the signal is down in the noise.

tnx fer info, Lennart

Contin. from page 265 :

OZ 7 IS (GP22j) wkd via tropo on 1296 MHz

15.09.82 HB9AMH/p DH,SM1BSA JR, OHØNC KU ,G8HPU AM
18.09.82 G4GUF AM,G4BYV AM, G4KDH AL.

tnx fer info Iwan

SM ø FZH (JT54h) wkd via tropo on 1296 MHz

29.10.82	UC2ABT	559	559	NN13a	qrb 816km
30.10.82	OZ7LX	529	529	FP47g	621 "
	DL6NAQ/p	529	419	EK60b	1141 "
	DB6NT/A	586	559	FK58b	1096 "
	DL7QY	529	529	FJ61c	1254 "

tnx fer info

OZ 3 ZW/p (GO11j) wkd via tropo on 1296 MHz

14.08.82 DC7QH GM,OZ5GF FO,OZ7IS GP,OZ9TM GP,OZ1GM GP,
OZ9QV GP,PE1CHQ DM,DJ8XO FN,DC4XH EN,OZ2FO GP.
15.08.82 DC7QH GM,OZ3PV FO,OZ9QV GP.

and he worked from (FO18e)

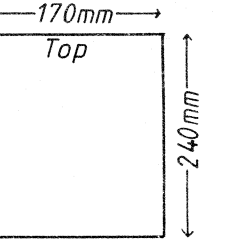
4.06.82	SM6FHZ	57	55	GQØ2c	247km,	Rig: TX 4x2N5944 ca 8W.
19.07.82	OZ8WK	539	519	ER8oc	272 ",	RX NEC 645
31.07.82	DC9XO	59+	55	EM14c	282 ",	ANT 4x23 El.Yagi
2.08.82	SM6FHZ	559	519	GQØ2c	247 ".	Alt. 45m asl.

tnx fer info Torben

METEOR SCATTER NEWS

DF2ZC, Bernd
PO Box 16 12
239o Flensburg

Fortunately I could work all the infos up though they were quite a lot this time. But there is one remark I'd like to make:
If you send me your infos tiped on tiping-machine, please do not tipe on paper sheets larger than 17cm x 24 cm!!!!
This should be because we must stay in a limited space for the printing machine cannot copy larger than 17 cm x 24 cm.
You spare very much time for me if you can send your reports tiped on the machine, but please stay within 17x24cm and do not tipe on the rear!!!



Supplements to the MS-List:

G8MFJ now G4PCI
G.Gullis
4,Priestacre cottages
Fyfield
Marlborough Wilts
SN81QA

G4IGO K.Osborne
1o,Mortimer Rd.
Filton
Bristol
BS 12 7LF

G8MJD(ZN)
A.Cole
23,Smithy Lane
Cookridge Leeds 16
LS16 7LX
Tel. o532-674721

OZ1ASL P.Roerholt/Kastanievej 14/499o Saksk⌀bing Tel. o3-896143

DL4NAA C.Pritzl/Ulmenweg 49/875o Aschaffenburg/Tel. o6o21-88397

OZ1EYE (FQ) K.Bjoern/Gl.Hadsundvej 24 E/89oo Randers Tel. 6-425742

LA6CU (CU) P.Olsen/PO box 23 27/5o12 Bergen
OZ6ZR (FQ) J.Rasmussen/Helge Rodesvej 11 ST/821o Aarhus
DH1MAI now DL5MCG W.Rauh/Frauentorstr. 22/89oo Augsburg Tel. o821-152316

OZ9PW (EQ) E.Frosch/Lyngvej 17/9631 Gedsted

Please do not forget to send me all your infos, so there are new call signs, adresses etc

DF2ZC

G8MFJ ZL42g wkd:

3.o1.82	1627-1634	I4BXN	26 26	2b C?
5.o6.	o5oo-o6oo	SM7GER	26 26	C HR

NIL from CT1BKW,OK2SGY

tnx fer info

DO NOT FORGET: 144,400 SSB 144,125 CW

VHF-DX-PEDITION to ZR-square GM5FHK/p

From 4th to 15th August 1982 we, i.e. John PA3ABA, Marcel PA3AZK, Rudi PA3BBA and Frank PA3BFM, made a dx-pedition to ZR42h.
The goal of the expedition was to give as many amateurs as possible the oppertunity to work a new, rare square.
Since we made 98 complete MS-contacts, 272 aurora-contacts and over 300 tropo-contacts you can say that this goal has been archieved. In the 12 days of our operation we worked 31 countries and 150 squares.
Our QTH was the top of Stirling Hill; 92 m a.s.l. and direct at sea.

The good results weren't archieved without problems.
After 2 days the hired generator started to behave strange now and then.
When it wasn't underheavy load it sometimes went on the "run" which resulted in an enormously increased voltage.
Due to this the primaries of two transformers were burned.
We then hired another generator and installed spare equipment.
The spare linear could not deliver more than 300 watts, so our sig was a few dB's weaker for the rest of the expedition.
The second generator worked ok for many days but on the last day of the expedition a fuelpipe broke and we had to go QRT a few hours earlier than planned.
Generators remain a weak point in dx-peditions!

The wheater was our other major problem.
On the evening of 10th August a gil - force 9 - started, lasted throughout the night and the following morning.
The aerial was turning 45° in azimuth sometimes.
The frame of the operating tent broke at two places and two of the three gil wires broke as well.
Due to the sound of the wind sleeping and having a normal conversation were nearly impossible.

We were quite surprised that the tent wasn't blown away.

We would like to express our special thanks to the radioamateurs of Peterhead for solving the problems we sometimes faced, for bringing Scotch and breakfast, and for just being there.
And last but not least we would like to thank Graham, GM8FFX, for hospitality, help and for our first and last decent meal(hi).

QSL via Rudi Pels, PA3BBA, P.O.Box 10315, 2501HH DEN HAAG,
or via the Dutch QSL-bureau. The Netherlands

Hope to work you next year from .....

Thanks for fb report and
especially for the tiping, Rudi.
Bernd

GM5EHK/p 2R42h wkd :

5.08	12.00-13.30	OJ1FDM	GP	27	26	5	8	C 15 sec.
	14.00-15.10	DF3RU	FJ	26	--	2	4	NC
	22.30-23.00	IW3QBC	GG	26	27	9	8	C
6.08	00.00-00.45	DP8IK	EJ	26	37	14	25	C 14 sec.
	02.00-04.00	DK1WB	FM	27	36	mni	mni	C
	04.00-04.35	DA1PZ	EL	27	27	25	27	C 5 sec.
	14.00-14.40	F6FOE	YI	27	27	13	13	C 9 sec.
	14.40-15.55	YU2CCB	IF	26	26	8	5	C 32 sec.
	16.30-16.35	OH7RJ	NW	27	27	mni	mni	C 13 sec.
	18.00-19.15	DK2PH	EL	26	26	11	29	C 1½ sec.
	22.00-22.45	DL1MBV	FI	26	26	10	12	C 15 sec.
7.08	00.00-00.55	F6DKQ	DH	26	26	10	13	C 1½ sec.
	02.00-02.35	Y22QG	FM	27	27	15	10	C 5 sec.
	02.35-03.00	OK2KZR	IJ	37	27	20	10	C 3 sec.RANDOM
	04.00-04.35	OE3PUW	II	26	--	1	2	NC
	08.00-10.00	HG1KYY	IH	26	26	19	mni	C
	10.00-12.00	YU1ADN	KD	26	26	2	5	NC
	12.00-12.20	OK1KKH	II	28	39	QRT bec.AU-QRM NC		
8.08	18.00-20.00	YU1ADN	KD	27	--	1	--	NC
8.08	02.00-02.40	UQ2GFZ	NR	27	26	7	4	C 4 sec.
	07.00-07.55	SK2KW	KY	26	27	15	10	C 0,5 sec.
	08.25-10.05	DK3FW	EM	26	26	20	10	C 1 sec.
	11.15-12.30	DL4NAA	EJ	27	2-			NC
	20.00-21.10	SM0EJY	IT	27	26	14	4	C
	22.00-23.55	YU3DRW		26	--	1	--	NC
9.08	00.00-01.10	OK3TJK	II	26	28	12	mni	C 14 sec.
	02.00-04.00	YO6AFP/P	MF	26	37	3	6	C 3 sec.
	04.00-05.55	OK1DIG	HK	26	37	5	12	C 1 sec.
	06.00-06.40	DL4NAA	EJ	27	26	19	15	C 4 sec.
	08.00-08.50	OK3TBY	II	26	37	10	10	C 98 sec!!!
	10.00-10.40	YU3ES	GF	27	26	26	13	C 4 sec.
	12.30-13.20	SM3BIU	HX	26	26	9	7	C 16 sec.
	15.00-16.50	I1TJQ	DF	26	--	2	3	NC
	17.00-17.55	OK3RMW	JI	26	2-	5	7	NC
	18.00-19.35	YU2JL	HD	26	27	7	2	C 1 sec.
	20.00-20.35	OE5KE	HI	26	27	18	12	C 1 sec.
	21.10-21.55	F6SHW		36	27	20	10	C RANDOM
	22.00-23.10	SM0HAX	JT	26	26	19	2	C 1 sec.
10.08	00.00-02.00	YO2IS	KF	26	--	2	--	NC
	02.00-02.40	DJ5MS	GI	27	26	mni	mni	C 7 sec.
	03.00-03.55	OE5XDL	HI	27	38	mni	mni	C 18 sec.RANDOM
	04.00-04.20	OE3XUA	HH	37	27	mni	mni	C 11 sec.
	05.00-05.32	DL8GP	DJ	37	39	mni	mni	C 3 sec.
	07.40-08.05	OK1KKH	II	37	27	10	mni	C 16 sec.RANDOM
	10.00-10.36	OK1MDK	HJ	26	27	5	3	C 1 sec.
	11.00-11.35	DF1SO	EI	26	28	5	-	C 4 sec.
	12.00-13.15	OK1AFN	IK	26	37	7	4	C 3 sec.
	13.15-13.45	OK2PEW		36	37	4	4	C 6 sec.
	16.00-17.35	HG8CE	KG	36	26	7	mni	C 12 sec.
	18.00-19.25	YU3ZV	HG	26	27	5	mni	C 5 sec.
	20.00-20.50	DDoHR	FN	27	rec.	RRRRR but no report NC SSB		
	21.00-21.30	OE5JFL	GI	27	26	12	9	C 10 sec.

11.08	02.00-02.30	SM0IUT	JT	27	27	7	mni	C 7 sec.
	04.00-	OK2GY	IJ	26	27	mni	mni	C
	-06.00	OK2SGY	IJ	26	27	mni	mni	C
	08.00-08.30	F6CJG	BF	28	37	mni	mni	C
	10.00-12.00	I1NVP	EE	26	26	4	1	C 2 sec.
	12.40-13.35	SM4FXR	HT	26	27	15	mni	C 16 sec.
	14.00-14.20	F1FHI	ZH	26	26	mni	mni	C 25 sec.SSB
	15.00-16.30	HG6VX	JH	26	26	6	5	C 4 sec.
	16.00-16.30	DC7AT	FM	29	QRT bec.AU-QRM NC			
	20.00-20.45	DL3MBG	GI	26	37	5	mni	C 5 sec.
	20.45-21.50	DB6VT		26	26	4	mni	C 6 sec.SSB
12.08	00.50	OK1ACF		59	59	1		C RANDOM SSB
	01.00-02.00	F5DE	AF	26	27	mni	mni	C SSB
	02.54	F1JG	CD	57	57	1		C RANDOM SSB
	05.41	F6CJG	BF	27	37	1		C RANDOM SSB
	06.16-06.20	HG1KYY	IH	37	37	2		C RANDOM SSB
	07.00-07.30	DC5AL	FL	27	27	mni	mni	C SSB
	08.00-09.35	I1KTC/4	EE	26	37	nil after 09.00 NC		
	10.00-10.02	F1BLL	CD	37	27	1		C SSB
	10.14-10.30	SM2ILF	KY	27	26	3		C SSB
	10.42-10.51	SM3UL	IV	37	27	4		C SSB
	11.30-11.34	GJ8KNV	YJ	27	27	1		C SSB
	11.44-11.59	HG1YA	IH	27	27	2		C SSB
	12.00-12.30	IW2BNA	EF	27	26	6	mni	C SSB
	12.40-12.45	I1JT0	DF	29	27	2		C RANDOM SSB
	13.00-13.40	I4XCC	GD	27	36	11	mni	C 6 sec.
	13.42-14.00	I1BEP	DE	27	--	1		NC
	14.00-14.45	OL6BAB	IJ	37	26	6	2	C
	14.45-15.35	OK2VMD	IJ	27	37	6	3	C
	15.42	I8OKS		27	27	1		C? RANDOM SSB
	16.00-17.00	YU1EV	KE	26	--	2		NC
	17.00-18.00	I2FHW	EE	27	--	4	5	NC 30 sec.SSB
	18.00-19.05	I6DQE	GD	36	27	nil after 18.20 NC		
	20.00-20.35	DL6ZAU	EK	27	26	8	3	C 1 sec.
	23.00-23.21	OK1IDK	GJ	27	38	10	mni	C 20 sec.
13.08	00.00-00.45	OE5EFM	HI	39	28	mni	mni	C 20 sec.
	01.15-01.45	I2FAK		26	26	5		C RANDOM SSB
	01.58	YU3CAB	HG	26	27	1		C RANDOM SSB
	02.00-02.02	YU7AR	KF	27	37	1		C SSB
	02.44	YU3EW	IG	26	37	1		C RANDOM SSB
	03.00-04.05	OK3KNM	JI	26	26	6	mni	C 1 sec.
	05.00-05.30	F6HLD	CG	37	27	21	mni	C 8 sec.
	06.20-06.55	IW3QEF	GF	27	27	15	mni	C 3 sec.RANDOM
	07.00-07.10	SM4COK	HT	37	37	4	3	C 1 burst QSO
	07.45-09.00	UR2RGM	MT	27	26	4	5	C?
	09.00-09.08	EA1TA	VD	37	27	1	--	C SSB
	09.20-09.32	I2FHW	EE	27	26	1	--	C SSB
	10.00-11.00	CT1WW	WB	26	26	8	7	C 4 sec.
	11.00-12.00	OE6WIG	HG	26	27	7	mni	C 10 sec.
	13.00-13.40	UC2ACA	NO	36	27	3	3	C 6 sec.
	13.50-14.40	YU7AU		26	--	1	--	NC
	15.00-15.40	HG8ET	KG	27	27	4	3	C
	16.00-16.45	UA3LBO	QO	26	26	6	5	C 2 sec.
	16.50-17.30	HG4XT	JH	36	27	13	mni	C 6 sec.
	20.00-20.50	DF1CF	FH	27	27	7	10	C 3 sec.
	22.00-23.00	HB9QQ	EH	27	26	17	20	C 10 sec.

EA3LL (AB56b)

					s.	r.	b.	p.		
11-4-82	04.oo-05.oo	G4ASR	YM		26	28	20	50	C	
"	06.oo-06.4o	G4IJE	AL		27	27	40	mni	C	3 s
29-5-82	04.oo-05.15	4U7ITU	DG		26	26	18	22	C	
17-6-82	08.2o-08.5o	DK3FW	EM		27	27		mni	C	
18-6-82	05.oo-05.2o	G8RAF	WJ		26	--	2	3	NC	
19-6-82	04.oo-05.oo	OK2KZR	IJ		26	--	8	8	NC	
"	05.oo-06.oo	DDØHR	FN		26	26	8	6	C??	
"	06.oo-07.oo	G8ECI	AN		26	26	12	18	NC	
"	07.oo-08.oo	PAØHWM	CK		27	26	18	34	NC	15 s
20-6-82	04.oo-05.00	OK1IDK	GJ		26	26	17	12	C	
"	05.oo-07.oo	DDØHR	FN		26	--	3	3	NC	
"	07.oo-09.oo	OZ1DOQ	GP		26	--	4	2	NC	
26-6-82	05.oo-06.oo	OK2KZR	IJ		26	27	10	20	C	
"	06.oo-07.oo	OK1APN	IK		26	26	5	10	C	3s
1-7#82	05.oo-06.oo	DLØSP/HBØ	EH		26	27	9	30	NC	
7-7-82	10.24-10.36	DL4EA	DL		27	27	6	4	C	
"	12.oo-13.oo	DK1PZ	EL		26	26	8	7	C	
11-7-82	05.oo-06.oo	PAØHWM	CK		27	27	16	30	C	
"	06.oo-07.oo	OK1MDK	HJ		26	27	8	9	C	
12-7-82	04.oo-06.oo	DK2LM	EJ		26	27	8	9	C	
18-7-82	08.oo-10.oo	GM3WOS	YQ		27	26	8	1	C	20 s
20-7-82	07.oo-08.15	PA3AJG	DM		26	27	21	34	C	6 s
23-7-82	06.oo-06.4o	G3OUL/P	XJ		27	26	30	18	C	
28-7-82	04.oo-05.oo	PE1EVX	CM		26	26	7	7	NC	
29-7-82	05.oo!06.oo	PE1EVX	CM		26	26	18	20	C	
30-7-82	04.oo-04.3o	OK2VMD	IJ		26	28	12	12	C	10 s
"	04.3o-05.35	OL6BAB	IJ		26	49	13	14	C	
"	06.oo!06.4o	PAØCIS	CM		27	27	12	13	C	4 s
4-8-82	04.oo-04.3o	DL9GS	DL		28	26	25	40	C	10 s
"	08.15-08.45	F6DCD	DI		26	26	17	13	C	
"	09.00-10.oo	DK2PH	EL		26	27	7	3	C	
5-8-82	06.oo-07.oo	PA3CGR	DM		26	26	6	8	C	
"	07.5o-09.oo	Y23FG	FM		26	27	11	25	C	
"	09.oo-09.5o	PØDOH/P	XI		26	26	6	12	C	4 s
10-8-82	08.oo-08.5o	G3ZXZ	ZN		27	26	7	8	C	5 s
"	22.oo-22.5o	G3WZT	ZK		26	27	8	12	C	
11-8-82	06.oo-07.oo	G4MWD	ZL		26	27	6	3	C	
"	08.oo-10.oo	SM6EAN	FR		26	26	6	9	C	3 s
"	10.oo-10.5o	SM7DLZ	IQ		26	27	8	12	C	10 s
"	12.oo-13.25	SM7GWU	HS		26	26	6	5	C?	no R
"	20.oo-21.oo	DG7AT	FM		26	26	5	4	C	4 s

see over →

DK 6 AS (FM44d) wkd via MS:

3.1.82	11oo-12oo	EA6FB	AY	27	26	8b	8p	ssb 45sec	
	12oo-14oo	RB5LGX	RK	27	27	4	3		
	14oo-153o	UA2FAY	KO	27	29	7	11		
	16oo-1645	YU1HFG	KC	27	37	24	11		
5.6.	13oo-145o	OH9VE	MA	37	37	6	3	18sec	
6.6.	o2oo-o4oo	UO5WU	OF	27	-	2	2	NC	
	o7oo-o83o	UB5ZEE	PH	27	26	6	3	C?	
4.7.	213o-22oo	F6KAW/EA6	CZ	37	37	9	4		
31.7.	22oo-224o	YO7VS	LE	38	28	6	4	16sec	
1.8.	oooo-oo25	UC2ACA	ON	37	27	23	17	15sec	
6.8.	222o-225o	SM4AXY/LA	HA	27	27	8	2	random	
7.8.	22oo-234o	LA6HL/TF	SY	27	26	6	14	first TF !	
1o.8.	18oo-194o	OK3AU	KJ	27	26	12	15		
	22oo-2325	UQ2GCG	LR	27	27	15	mni	48sec	
11.8.	o7oo-o8oo	F6BMC	ZG	27	26	6		ssb	
	o8oo-o9oo	GM4IGS/p	YT	27	27	9	11		
	1ooo-12oo	OH7TN/9	ND	27	25	8	8	N QRM by SM7-stn clg him	
12.8.	oooo-o1o5	YU6VHF/6	JB	27	27	7	12		
	o3oo-o326	GM4KUX/p	WR	27	27	4		ssb	
	o335-o4oo	F6PTN/p	DC	27	27	12	mni	random	
	13oo-14oo	OH8NV	MY	27	27	6	14		
	14oo-16oo	OH7TN/9	OC	38	25	12	3	28sec	
	18oo-191o	SL2CU/2	JZ	38	37	8	8		
	1955-2o25	G4OAE/OHØ	KT	38	26	13	mni	11sec	
13.8.	o1oo-o135	UC2ACA	NO	39	37	19	mni		
	o2oo-o4oo	UA3UBD	UQ	27	26	5	3	C?	
	o4oo-o439	F1GHP	ZG	27	26	4		ssb	
	o5oo-o6oo	EA1KV	VC	27	26	3		ssb	
	o7oo-o8oo	EA6FB/p	AZ	27	27	4		ssb	
14.8.	oooo-o2oo	LZ1DP	MC	27	27	9	7		
	12oo-14oo	UA3PBT	SO	27	28	7	11	2osec	
	14oo-144o	GM4IGS/p	XS	27	37	6	6		
	22oo-23oo	I7IWN	JA	27	26	3		ssb	

Nw wkd 51 WAE-countries with UA2, OJØ and TF this year.

tnx fer info

12-8-82	10.15-10.35	G4MCU	??	38	38	random	C	30 sec.
"	11.oo-12.oo	SK6HD	GS	26	26	7	5	C? 5 sec.
"	12.oo-14.oo	SM5BEI	JU	26	26	5	5	NC
"	18.oo-20.oo	SM4IVE	HT	26	26	4	4	NC
"	20.oo-21.oo	OZ9PW	EQ	26	--	1	2	NC
"	21.oo-22.oo	OZ1CPO	ER	26	26	4	5	C 3 sec.
"	22.oo-24.oo	SM5MIX	HS	26	--	1	3	NC
13-8-82	02.oo-02.4o	OZ1ASL	FO	26	26	7	2	C 4 sec.
"	08.oo-09.5o	SK6HD	GS	26	27	9	6	C 3 sec.
	10.oo-12.oo	OZ4EM	HP	27	27	8	6	C 6 sec.

thanks for info, dear José

PAoRDY/LX in CJ1od wkd:

8.o5.	oooo-o2oo	OH5LK	NU	26	28	31	14	C	2s
	o2oo-o4oo	LA9IC	HB	26	.7	4	6	NC	1s
	o6oo-o8oo	I1ANP	EE	26	--	2	2	NC	2s
	22oo-24oo	YU2EZA	IG	26	28	11	9	C	3s
9.o5.	oooo-o2oo	UO5OGX	OH	27	26	11	1	C	2s
	o4oo-o6oo	UA3LAW	PO	26	27	18	13	C	3s
	o8oo-1ooo	IS0PUD	EZ	47	--	57	35	NC	27s
1o.o5.	o1oo-o3oo	UQ2GCG	LR	26	--	9	2	NC	
	14oo-15oo	I1ANP	EE	26	26	3	1	NC	
	16oo-17oo	YU3ZV	HG	26	26	6	3	C	2s
	2ooo-21oo	LA9BM	EU	26	26	4	2	C	2s
	22oo-24oo	I6XPS	GB	27	27	25	33	C	1s

NIL:YU1OO,UO5OGF,I1ANP,UA3DHC,UW3GU,SM3UL
tnx fer info, Rob

PA2VST/LX DJo1f wkd:

1o.o5.	12oo-13oo	OK2LG	II	27	27	many	C	1s
	15oo-16oo	OZ1FDH	GP	26	26	6 6	C	1s

NIL:LA6CU,LA9IC,HG8CE,UQ2GLO
tnx fer info

F1EIT/p YG1oe (F6GRA,F1EIT) wkd:

7.o8.	o7oo-o7o7	OK1IDK		27	27	3p	3b	C	5os
	o9oo-1oooo	YU3ZV	HG	37	--	11	6	NC	
	1ooo-11oo	PE1BTX	CN	26	--	8	6	NC	
	18oo-19oo	LA2PT	FT	--	--	1	1	NC	
	19oo-1955	DK1PZ	FL	26	27	22	1o	C	
	2ooo-22oo	SM4IVE	HT	--	--	1		NC	
	22oo-2255	OZ9PW	EQ	26	26	13	9	C	
	23oo-2322	OZ1EYX	GQ	26	26	19	11	C	
8.o8.	o7oo-o8oo	G4DSC	ZO	26	--	8	3	NC	
	o8oo-o816	OE5XDL	HI	37	27	2o	5	C	
	11oo-1119	SM7DLZ	IQ	26	27	9	8	C	
	12o7-13oo	EA3LL	AB	26	--	3	1	NC	

NIL:PAoOOM,SM4GVF,I6WJB(-EIT fell asleep, vy sri),DF7RG+DL3MBG DK3FW skeds OK?

Sorry we could not be qrv for the maximum but we had no holydays then. See you soon from BG or YG.

Merci beaucoup cher Jo

PAoKDV DN71f wkd:

3.o1.	13oo-133o	OH2BBF	LT	37	37	12b	21p	C	RANDOM 11s
	133o-143o	UQ2GFZ	NR	28	38	7	15	C	RANDOM 3s
	18o5-1825	SM3UL	IV	38	38	5	16	C	RANDOM 7s
2o.o5.	22oo-2315	YU2CCB	IF	26	26		16	C	
19.o6.	o3oo-o343	I1KEC	EF	27	26	4	8	C	5s
28.o7.	o3oo-o325	I1ANP	EE	27	26	2		C	
11.o8.	22oo-23oo	YO7VS	LE	37	26	4	4	C	9s

NIL:F6DRO,UP2BJB,OH7UE,I4MKN,I5WHC,I5AWM,YU6AA
tnx fer info

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432 MHz UFO:

On August 12 1982 , 2ooo-2345 GMT, OY5NS (WW77f) and OZ7IS (GP22j) completed their first 432 MHz MS-QSO.
QRB 1294 km
Reports were 26 26 at a speed of 6oo LPM.
OY5NS using 8x 21 El. TONNA elevated 6°; 4oo W TX;
.8 dB NF
Heard a 5 sec and a 11 sec burst.
OZ7IS using 4x 21 El. TONNA; 6oo W TX;.8 dB NF
Heard bursts of 2 sec. (4 times) and 18 pings.

OZ7IS also tried with G4DGU (XKo9f) and heard 4 bursts and 22 pings but never the own callsign (NIL QSO), on the 13th of August.

I am qrv for any 432 MHz sked! OZ7IS

tnx fer info, Ivan

UG6AD WA64c 21oo m ASL worked:

11.o8.	18oo-2ooo	UA6YAF	TE	38	26	C	21s	
	193o-22o5	RA3AGS		38	27	C	25s	
12.o8.	o8oo-o9oo	UW3GU	TP	37	29	C	37s	
	1ooo-1o3o	RA3YCR	RN	37	38	C		
	16oo-17oo	UY5OE	SK	48	36	C	36s	
13.o8.	12oo-13oo	UA2ACA	NC	27	26	C		
	2o15-2o4o	UO5OGX	OH	37	28	C		
14.o8.	17oo-18oo	UK5IEC	TI	28	28	C		
	2ooo-22oo	UA4CDT		27	27	C		
	22oo-24oo	UA3MBJ	SS	28	35	C		
15.o8.	oooo-o1oo	UK6LDZ	TH	27	27	C		

tnx fer info, Eugene

OZ2ZB EQ36a wkd:

22.o4.	22oo-24oo	YU7BCX	KF	36	26	4b	15p	NC	2s
8.o5.	15oo-17oo	F6EOQ	YI	26	26	7	15	C	2s
19.o5.	o5oo-o7oo	YU2EZA	IG	26	27	26	mni	C	
21.o5.	o7oo-o9oo	YU2CCB	IF	26	27	21	48	NC	no RRR
22.o5.	o6oo-o8oo	I6DQE	GD	26	27	47	67	C	12s
25.o5.	22oo-24oo	YU2CCB	IF	26	26	19	55	C	1s
6.o6.	14oo-15oo	F1GHU	BD	27	26	1o	19	C	5s
7.o6.	12oo-14oo	YU3TTL	HG	26	26	8	19	C	3s
22.o7.	o4oo-o456	SM2ILF	KY	36	26	12	43	C	5s
8.o8.	o5oo-o6oo	IW5AVM	FC	26	26	9	12	C	2s
1o.o8.	121o-1235	F6BSJ	CG	26	37	15	2o	C	15s RANDOM
13.o3.	o6oo-o8oo	I2KSX/8	HY	26	26	6	15	C	1s NIL:
	1ooo-1o28	I4MKN	GE	27	27	3	7	C	F6DRO,I2AV,
27.o8.	o7oo-o728	IW5ACZ	FD	26	27	6	9	C	1os I1ANP,
8.o9.	o4oo-o435	F6DRO	AD	26	--	9	15p	NC	UO5OGF,
									YU7AJD,3TSB

tnx fer info, Knud

144,400 144,125

987

YU 2 JL (HD3Øa) wkd 2m MS:

04.05.	2100-2200	OZ1FTU	GP	26	-	1b	2p	0,5s	NC
08.05.	0600-0800	Y23FG	FM	27	26	12b	17p	2s	C
08.06.	1300-1500	PA3EBI	CM	37	-	9b	15p	3s	NC
20.07.	1600-1700	F6BSJ	CG	28	-	3b	2p	0,5s	NC tropo/MS
21.07.	2100-2150	ON7EH	GK	37	27	20b	55p	9s	C
03.08.	1800-1912	G8OPR	ZL	26	26	9b	16p	2s	C ssb
04.08.	1000-1110	DK1PZ	KL	37	26	14b	30p	2s	C
	1200-1240	SM4GVF	HT	27	27	11b	12p	3s	C
	1235-1305	SM7AED	GQ	37	27	8b	10p	4s	C random
09.08.	1800-1930	GM5EHK	ZR	27	26	17b	19p	1s	C
10.08.	1000-1050	G8TIC	YM	38	26	2b	5p	50s	NC 1)
	1200-1400	SM4FXR	HT	36	-	2b	11p	1s	NC
	1800-1935	F6BEJ	CG	37	26	15b	35p	1s	C
	2000-2200	PA2JOK	CL	26	26	4b	14p	13s	NC
11.08.	0815-0850	PAØHWM	CK	27	36	3b	20p	5s	NC
	1000-1200	SMØIME	JT	27	27	2b	13p	2s	NC 2)
	1200-1310	SM4KVM	HT	26	27	10b	23p	8s	C
12.08.	0300-0335	LA2PT	FT	37	37	4b	5p	3s	C
	0400-0450	UR2RQT	MS	27	-	6b	17p	3s	NC weak
	0450-0458	DD8MG		27	27	3b	Øp	4s	NC random
	0500-0605	GW4LXO	YL	47	26	9b	13p	135s!	C
	1000-1035	G8TIC	YM	26	26	5b	7p	2s	C ssb
	1059	PA3EBS		37	37	1b	Øp	13s	C random
	1100-1111	GJ8KNV	YJ	27	36	4b	11p	15s	C ssb
	1111	GJ8EBT	YJ	36	37	1b	Øp	15s	C random
	1200-1255	EA3IH	AB	37	27	9b	4p	31s	C 3)
	1317-1340	G3ZXZ	ZN	26	-	3b	Øp	2s	NC
13.08.	0453-	PAØBSR		38	38	1b	Øp	15s	C random
	0500-0535	SM6EAN	FR	27	26	22b	22p	55s	C
	0600-0705	G4BRK	ZM	36	26	6b	17p	5s	C
	0800-1000	UK2EDX	MT	46	-	3b	3p	35s	NC 4)
	1145	DD8DG	DL	27	27	1b	Øp	21s	C random
	1145	PA?BSR		37	37	1b	Øp	21s	NC random
	1200-1240	G4ASR	YM	38	26	17b	11p	16s	C
14.08.	0400-0455	SM6CMU	FR	36	26	22b	17p	14s	C
	0500-0600	G8VES	ZN	26	-	3b	4p	1s	NC ssb
	0600-0700	PA3BEI	CM	37	26?	10b	6p	6s	NC keyer ?
	0700-0755	DL9GS	DL	27	48	22b	25p	8s	C
	1000-1200	UK3AAC	SP	26	-	2b?	4p?		NC qrm YU3
	1200-1225	PA2VST	CM	38	37	15b	11p	6s	C
	1225-1305	PAØRDY	CM	37	38	21b	24p	4s	C

NIL:Y22QG,EI2CA,F6DWG/p,SMØLRN,F6CTW,LA6HL

random 12/13.08:SMØHAX,PA2VST,SM7FJE,OZ1DLS,UQ2GLO,SM7WT,LA5IH, SM6EAN,SE2KW,DK3FW,UC2ACA,SM7AED,G4ASR,PAØOOM,LA6MF,PA3ACF...

1)-I got his 26 rprt in first receiving minute(15s burst).No reflections after,so I found him too late 2kc down
2)-On the same qrg were I2L...+SM6EOC.
3)-First 30 minutes NIL.He was abt 2kc down.
4)-At 0810-0830 I stayd without main power.

73's Boban

14.08	00.00-00.15	DK1VI	EJ	26	26	4	3	C	2 sec. SSB
	00.28	YU3CAB	HG	27	27	1		C	RANDOM SSB
	01.00-02.00	OK2BFH/P	KJ	26	--	1	2	NC	
	04.00-05.00	I4MKN	GE	26	--	1	2	NC	
	06.00-06.40	DF5DE	EK	26	mni	QRM	PAoCIS	NC	
	08.00-08.55	SM5QA	IT	26	27	6	6	C	5 sec.
	10.00-10.50	YU3DBC	IG	26	26	6	6	C	
	12.00-13.10	I1KTC/4	EE	26	26	20	mni	C	5 sec.
	14.00-15.00	OE3PUW	II	27	--	1	--	NC	
	16.00-18.00	OK3RMW	JI	26	26	3	2	NC	
	18.00-18.35	DL9MCC	GH	47	27	13	mni	C	56 sec!!
	20.00-20.30	F8OP	CG	27	27	mni	mni	C	2 sec.
	22.00-23.05	DL5MCG	FI	26	27	7	9	C	2 sec.

NIL : Y23FG, UA1ZCL, EA3AIR, IW3QRF, UK3AAC, YU2EZA, YU2DG, OE6IWG(sri not QRV bec. bad wx), ON1IM, F6BSJ, DG5CH, DDoHZ, DL7OH, YU3EST, YU1AWW, OK3YCM, IW3ESW

tnx fer info

OL 4 NAA (EJ 06 a) made his first MS:

13.04.1982	0500-0630	GW	3	NYY	XL	27	27	10B	CP	c 6s
13.07.1982	0300-0430	I	6	DQE	GD	27	27	manny		c 10s
09.08.1982	0600-0645	GM	5	EHK	ZR	26	27	manny		c 3s
11.08.1982	1000-1115	OH	7	RJ	NW	26	26	manny		c 35s ufb
12.08.1982	1034	UR	2	EQ	NT	36	37	1B		c 60s SSB
12.08.1982	1300-1340	GB	2	XM	XM	36	26	manny		c 30s

I am very interesting in any MS SSB or CW sked. I have a 16 elm Yonna and a 8874 whith 500 Watts Hf on 2m. thanks for info

---

I4XCC GDo3d wkd:

August 10	1000-1125	CØLD	27	27	C	AG48j 7 sec b
August 12	1200-1245	ON7RB	27	26	C	BL8Øf 6 sec b
	1300-1345	GM5EHK	27	27	C	ZR42h 30 sec b
	2000-2034	G4BAH	27	36	C	AM66d 4 sec b SSB
August 13	0304-0317	OZ1ASL	37	37	C	FO18c 7 sec b SSB
	1100-1140	F6CJG	27	26	C	BF21j 10 sec b
August 14	0000-0100	UP2BKH	27	27	C?	KP27? 4 sec b

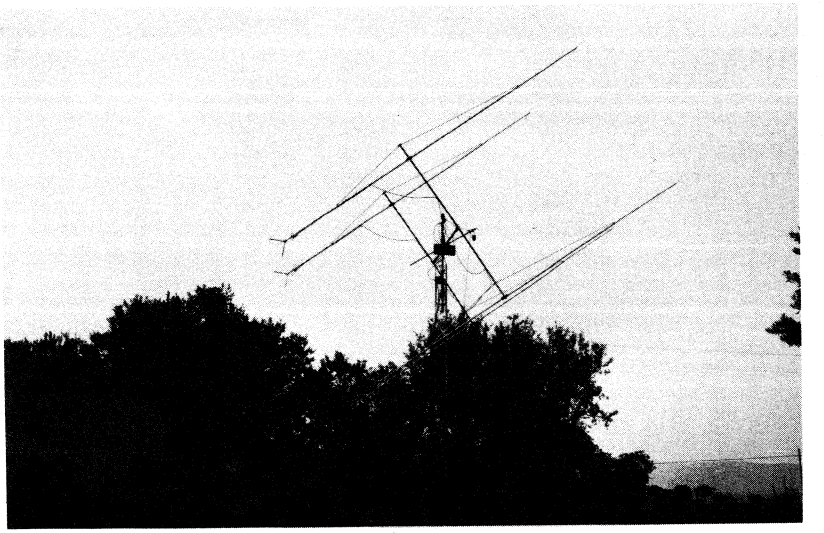
Remarks:hrd F6CJG also via tropo 419.

UP2BKH have rcvd my "R" ?

tnx fer info, Claudio

I6WJB sent a MS-Report and some photos:

The equipments in the country house:Left the amplifier,Az-Antenna-Control,transmitter,JRC Receiver and HF section. Over TX: Standard oscillator, convert power supply, electronic counter. In front of transmitter:Microfone and Memory keyer.



EME-Antenna: 4 x 20 el. LFA; Iron Horse

I6WJB HC42g wkd:

13.06.	0600-0636	PA3BWE	CM	27	26	5b	13p	2,5s
	0800-0837	PA0BLD	CM	26	26	6	19	
19.06.	0000-0107	UP2BJB	LP	26	27	1o	29	17s
	0500-0547	OK1IDK	GJ	26	27	4	22	3,5s
7.07.	1930-2106	DK1PZ	EL	27	27	mni		2s
18.07.	0500-0544	DK2PH	EL	27	27	7	14	1,5s
	0600-0642	G4IJE	AL	27	27	4	3o	3,5s
21.07.	0400-0435	G3OUL/p	XJ	26	27	mni		8s SSB
22.07.	2000-2048	ON5EX	BK	26	26	12	34	
24.07.	0600-0700	OZ4EM	HP	26	27	3	5	1,5s
25.07.	1900-2100	UB5IEP	TI	26	26	5	8	QRN
	2100-2300	F1DLT	CH	26	26	8	49	1,5s
29.07.	0200-0252	UQ2GCG	LR	26	26	5	9	1 min 13s!!!
	2000-2200	UQ2GLO	KQ	27	26	12	31	3s
3o.07.	0200-0346	SM3UL	IV	37	26	6	14	5s
5.08.	0800-0900	UK3AAC	PP	26	26	3	6	1,5s
7.08.	0500-0636	Y38ZA	HN	26	27	6	22	25s
9.08.	0700-0800	PE1GHV	DM	26	26	4	21	
1o.08.	0000-0100	UC2ACA	NO	26	26	17	49	1,5s
	0400-0447	PE1EVX	CM	36	26	11	28	12s SSB
	2000-2100	OZ1CSI	HP	27	27	8	11	3s SSB
11.08.	0600-0800	GM3WCS	YQ	26	26	8	1o	QRN
	2300-2316	F1GHU	BD	37	27	5	5	4s SSB
	2333	LA9BM/p		37	37	1		SSB RANDOM
	2335	OZ1AKA		59	59	1		" "

12.08.	o1o7	OZ1ELF	EP	37	37	1		"	"
	o118-o155	DD2HR		27	27			"	"
	o2oo-o337	EIoRTS	UN	26	26			2168 km	
	o5oo-o5o8	GI4GVS	XO	27	37	9	1	45s	SSB
	o543	GJ4ICD		37	37	1			SSB RANDOM
		G4IGS		27	27	1		"	"
		G8KBQ	YL	37	37			"	"
	o7oo-o717	DK1VI	EJ	26	27	1		5os	
	2ooo-21oo	EA7AG	YW	26	26	3	5	8s	SSB
13.08.	2ooo-2o57	SK6HD	GS	26	29	9	14	16s	

thanks for the photos and the info, Pier

HG 8 ET /:KG22j:/ wkd via MS:

24.7.	0500-0540	PA3AJG	DM	26	27	8B	13P	1sec	C
27.7.	0400-0455	LA9BM	EU	26	26	7B	13P	1sec	C
	0600-0635	F6BSJ	CG	27	27	22B	55P	1sec	C
	0715-0800	G4IJE	AL	27	26	15B	23P	5sec	C
28.7.	0500-0555	GM4CXM	XP	26	--	1B	3P		NC
	0600-0655	OZ1DOQ	GP	26	27	6B	15P		C
29.7.	0600-0755	SK3LH	JX	26	26	2B	2P		NC
1.8.	0400-0450	UB5JIN	RE	27	27	12B	28P	1sec	C
	0500-0650	G3WOH	YN	27	27	7B	14P		C
4.8.	0600-0635	DL9GS	DL	27	36	11B	23P	5sec	C
	0700-0755	DF8IK	EJ	26	26	5B	16P	1sec	C
	0800-0821	F6FHP	AE	36	37	15B	8P	57sec	C
5.8.	0500-0650	GW3NYY	XL	26	27	14B	31P	2sec	C
9.8.	0600-0700	G4BRK	ZM	27	--	1B	6P		NC
10.8.	0600-0640	UP2BJB	LP	27	27	8B	13P	25sec	C
	0700-0800	UA3MBJ	SR	27	--	1B	1P		NC
	2000-2100	G8PWX	ZP	26	--	3B	4P		NC
11.8.	0600-0643	UA6YAF	TE	27	27	7B	5P	46sec	C
	0800-0855	SM3BIU	HX	26	26	7B	6P	1sec	C
	2000-2025	SMØERR	IT	38	38	11B	12P	14sec	C
12.8.	2130-2240	LA1K	FX	27	37	5B		1sec	C ?
	2300-2355	G3WZT	ZK	37	38	6B	8P	14sec	C
	2350	F6KDQ	DH	27	27				C
	2356	DK8VS		38	38				C
	2359	PA3AJG	DM	27	27				C

→

PAoRDY CM45e wkd:

11.o3.	o6oo-o8oo	4U1ITU	DG	--	--	--	1	NC	
15.o3.	2ooo-22oo	4U1ITU	DG	26	--	6	2	NC	
23.o3.	o4oo-o6oo	YU1ONB	KE	26	27	8	14	C	1s
26.o4.	o5oo-o7oo	I1ANP	EE	26	26	8	1o	C	8s
3.o5.	o4oo-o5oo	IoXPS	GB	26	26	31	33	C	1s
4.o5.	o4oo-o44o	I6DQE	GD	37	27	16	17	C	7s
25.o5.	o3oo-o4oo	OH5IY	NU	26	27	22	22	C	3s
31.o5.	o5oo-o61o	G4IJE	AL	26	26	15	1o	C	3s
6.o6.	o8oo-o94o	OH3MF	MU	26	26	12	15	C	3s
7.o6.	o4oo-o52o	YU3DRW	HG	26	27	18	17	C	6s
	o8oo-1ooo	UK3AAC	SP	26	--		2	NC	
8.o6.	o6oo-o7oo	EA7AGO	YW	26	--	1		NC	
9.o6.	22oo-24oo	UK3AAC	SP	26	--	2	4	NC	
1o.o6.	o3oo-o34o	OH2BWL	MU	37	37	15	18	C	13s
11.o6.	o2oo-o4oo	HG6NQ	JI	26	37	6	9	NC	

tnx fer info, Rob

F1FIH CD13e wkd:

12.o4.	o5oo-o535	OZ1DPR	EP	26	37	9b	27p	C	
5.o6.	o4oo-o417	DDoHR	FN	27	27	5	18	C	
12.o8.	o515-o517	PE1DAB	CN	37	37	3		C	
	o552-o558	OZ1ASL	FO	27	27	3	5	C	
13.o8.	o8oo-o838	CT1WW	WB	27	27	4	1o	C	NIL:OZ2GZ,
14.o8.	o7oo-o74o	SM1BSA	JR				2	NC	G4OAE/OHØ
15.o8.	o7oo-o735	PE1DGF	CL	26	26	3	16	C	

merci pour les infos, cher Michel

UA1ZCL RCo8c wkd:

28.o7.	2ooo-2o56	UQ2GAJ	LQ	27	26	23b	C
9.o8.	17oo-175o	UC2ACA	NO	26	26	15b	C
	2ooo-2133	UA4CDT	YL	26	27	5	C
1o.o8.	12oo-1243	UA3MBJ	SR	28	26	9	C
11.o8.	o9oo-11oo	LA5IH	CU	27	26	5	NC
	2o46-21o6	UA3PBT	SO	27	27		C RANDOM
12.o8.	o851-o915	SMØAGP		47	37		C
	1o34-1o46	OZ1CFO	ER	38	38	17	C
	234o-2355	RA3YCR	RN	27	39	1o	C

In perseids all skeds over 22oo km were NIL
tnx fer info

RG6GBT WA64c wkd:

12.o8.	16oo-17oo	UY5OE	SK71e	48	--	NC
13.o8.	o73o-o83o	UW3GU	TP31a	36	27	C
	19oo-2o3o	UO5OGY	OH74d	28	26	C

tnx fer info, Alex

→ REMEMBER

CW	144,125 1MIN	144,100 5 MIN
SSB	144,400	144,200

13.8.	0003	G8MJD/P		27	--				NC
	0010	G3WZT	ZK	38	38				C
	0017	GW8MJD/P	XM	27	37				C
	0019	DD2HZ		27	27				NC
	0040	F1FHI	ZH	39	39				C
	0055	PA3BRS	GM	28	28				C
	0100	DDØHZ	PN	27	27				C
	0105	G8LEP		27	27				C
	0244-0249	F6EAN		37	37				C
	0250	PAØOOM	DN	39	--				NC
	0250	PE1BEX		26	26				C
	0324	F6EAN		39	37				C
	1200-1242	G4OAE/OHØ	KT	26	26	3B	5P	1sec	C
	1500-1540	GM5EHK/P	ZR	27	27	4B	3P	4sec	C

IU7BCX and IU7EV (EF24f) Via ES:

27.05.82	20.00-22.00	UA3AAC	SP19e	26	26	6b	6p	C
24.07.82	01.55-02.20	PA2GEL	JN65e	27	27	8b	16p	C R
25.07.82	00.50-01.20	DK1AGW	JO41e	27	27	10b	20p	C R
26.07.82	00.00-00.45	PAØRDX	JO45j	38	38	13b	30p	C R
	22.40-23.00	PAØKLS	JO55d	39	38	mni	mni	C R
27.07.82	00.00-02.00	UP2DJB	LI06d	26	27	11b	26p	C
	02.00-02.50	DA3FF	JN69b	26	37	12b	19p	C R
29.07.82	23.00-23.30	PA2VST	JO24j	37	37	mni	mni	C R
30.07.82	01.00-01.30	PA3BII	JO72e	27	27	14b	20p	C R
	20.00-22.00	SK3LH	JI54e	—	—	—	—	NIL
31.07.82	22.00-24.00	Y38ZA	HI01e	26	27	12b	40p	C
08.08.82	22.00-22.30	GM5CNQ	IO86c	27	27	7b	11p	C R
	22.30-23.30	GM4MIX	IO	27	27	7b	9p	C R
09.08.82	00.00-00.30	SM0MAX	JP51b	27	37	3b	8p	NC R
10.08.82	14.00-14.30	LA6CU	OU47j	—	—	—	—	NIL
11.08.82	02.00-04.00	OH3MF	MU23j	—	—	—	—	NIL
	14.00-15.00	SM6CAN	FB50j	36	26	4b	9p	C
	16.00-18.00	9H1CD	HV03e	26	—	1b	2p	NC
	19.00-20.00	GM4KUX	WR48e	—	—	—	—	NIL
	20.00-22.00	DK7QG	FN31j	26	26	11b	21p	C
	22.00-24.00	GW3XBU	IO76b	—	—	—	—	NIL
12.08.82	01.00-02.00	SM5IXR	LP51c	26	26	4b	12p	C
	22.00-24.00	EI9GRM	IO56b	—	—	—	—	NIL
13.08.82	00.00-01.00	PA2JOK	OL15e	26	26	8b	12p	C
	03.00-04.00	UA3MBJ	KN17e	—	—	—	—	NIL
	04.00-06.00	OH1BSA	JR34e	26	37	4b	10p	NC
	23.30-24.00	UA6YAF	TE30b	27	27	mni	mni	C

2 8 5

I2LGP GE24e:

25/ 4/82	0400-0540	UQ2GLO	KQ	27	26	17 B, 38 P / 5 SEC.	C
19/7/82	2300-2320	GM3WCS	YQ	27	26	8 B, 10 P / 4 SEC.	C
25/7/82	2200-2230	ON5EX	BK	28	27	7 B, 29 P / 4 SEC.	C
26/7/82	2200-2240	UP2BJB	LP	27	27	10 B, 24 P / 1 SEC.	C
27/7/82	0500-0532	GM4CXM	XP	27	37 (SSB)	3 B, 13 P / 3 SEC.	C
31/7/82	0500-0500	GM8OEG	YQ	26	26 (SSB)	18 B, 16 P / 1 SEC.	C
31/7/82	0920-1025	FØOCH/P	XH	37	28	5 B, 10 P / 10 SEC. (QRN)	C
2/8/82	0915-1105	OZ1DOQ	FP	27	26	24 P NC	
5/8/82	0600-0700	UK3AAC	PP	NIL			
9/8/82	0500-0600	PE1EVX	CN	26	26 (SSB)	21 B, 6 P / 2 SEC.	C
9/8/82	2245-2325	F6DWG/P	AJ	26	37	9 B, 13 P / 2 SEC.	C
11/8/82	0800-0830	F1GTR	ZG	NIL			
11/8/82	0900-0910	YU6VHF	JB	27	27	5 B, 4 P / 10 SEC.	C?
11/8/82	1405-1430	OZ2ZB (random CW)		37	26	burst of 15 sec;	C
12/8/82	0000-0100	SM2ILF	KY	NIL			
12/8/82	0200	SM3GHD	GV	NIL			
12/8/82	0350-0428	OK2VPB/P	KJ	47	27	4 B, 4 P / 20 SEC.	C
12/8/82	0500-0510	PA2CHR	CL	47	37 (SSB)	4 B, 1 P / 25 SEC.	C
12/8/82	0700-0800	GM4KUX/P	WR	27	// (SSB)	1 B, 5 P / 3 SEC.	NC
12/8/82	0800-0820	F1GHP	ZG	NIL			
12/8/82	0900-1000	OZ1EYN	HO	47	27	7 B, 2 P / 70 SEC.	C?
12/8/82	1000-1110	OZ4EM	HP	27	27	5 B, 11 P / 4 SEC.	C?

12/8/82 Random SSB: burst of 180 sec. starting at 1311. Worked:

G4CLA YN 59 59

GM8YHU 59 48

G4ERG 59 39

1342 PAØOOM 59 59

12/8/82	2000-2100	GM4IGS/P	YT	27	26	6 B, 5 P / 2 SEC.	C?
13/8/82	0200-0400	UQ2GCG	LR	27	//	5 B, 4 P / 28 SEC.	NC
13/8/82	0600-0622	EA7AG	YW	47	26 (SSB)	5 B, 11 P / 60 SEC.	C

14/8/82 0800 G4OAE/OHØ KT instead of me, IW3QBC called

15/8/82	0500-0533	PE1FMU	CM	27	37 (SSB)	7 B, 4 P / 4 SEC.	C
22/8/82	0500-0605	F1GTR	ZG	27	27 (SSB)	20 B, 33 P / 2 SEC.	C?

I remark that now I am using about 400 W RF into 2 x 16 el. F9FT.

Giuliano

HG50GF OG19b:

5.05.	0920-1000	OK1KGS	IJ	26	26	C		
	1000-1200	DL6NAN	FK	26	26	C		
6.05.	0200-0400	OE6WIG		26	26	C		
	0600-0800	OK2KZR		27	27	C		
	0940-1000	OK1OA		27	27	C		
8.05.	0940-1020	SM4GVF	HT	26	26	C		
	0800-0940	OH5LK	NU	26	26	C		
	1000-1200	OK1MDK	HJ	26	26	C		
9.05.	0600-0800	OK2VMD	IJ	26	27	C		
16.05.	0600-0800	SM0IOT	JT	26	26	C		
17.05.	0400-0600	UK3AAC	SP	26	26	C		
18.05.	1000-1200	YU2EZA	IG	26	26	C		
	1330-1530	SM7DLZ	IQ	27	27	C		
24.05.	0400-0600	YU2CCB	IF	26	26	C		
25.05.	0200-0400	Y22HA	GO	26	26	C		
7.06.	0400-0600	OZ1FDH	GP	26	26	C		
8.06.	0400-0600	I1ANP	EE	27	26	C		
	0800-1000	YO2IS	KF	27	27	C		
	1600-1800	YU3ZV	HG	27	27	C		
9.06.	0400-0600	I6DQE	GD	27	27	C		tnx fer info,
10.06.	1230-1330	DF1GF	FH	27	27	C		Vlad
	2000-2200	YU2DG	JF	26	26	C		
17.06.	1410-1540	DK3FW	EM	26	26	C		

LA6HL/TF wkd:

3.08.	2300-2345	G4ASR	26	36	1ob	1op	7s	QX33f
5.08.	0100-0140	G4FUF	26	26	11	9	12s	"
	0140-0200	PAoHIP	36	27	6	5	8s	"
	2030-2120	PAoRDY	26	27	15	15	2s	QX2oh
	2200-2305	G8VR	27	26	14	3	3os	"
	2320-0015	G4HUP	37	27	14	19	19s	"
10.07.	2300-0005	G4FUF	26	27	23	16	2s	RY76f
11.07.	2200-2315	PA2VST	26	27	3o	19	2s	"
	2320-0005	G4IJE	27	26	22	13	2s	"
9.07.	2310-2345	G4FUF	27	27	14	18	3s	SY55f
6.08.	2215-2300	SM7AED	27	26	8	13	2s	"
	2340-0020	ON7EH	26	26	16	7	2s	" First TF-ON
7.08.	1830-1920	PAoOOM	26	27	27	29	3s	"
	2000-2050	OZ1EKI	28	27	2o	2o	1os	" First TF-OZ
	2100-2200	LA3EQ	26	27	8	9	2s	" First TF-LA
8.08.	1800-2000	G4DEZ	26	26	11	9	2os	"
	2000-2140	SM7FJE	26	26	31	25	3s	"
	2200-2400	SM7BAE	37	27	mni	mni	12s	"
7.08.	2200-2340	DK6AS	26	27	14	15	1s	"
8.07.	2200-2300	G4ISM	26	26	23	22	1os	TY21h
	2300-2400	G4ASR	27	27	6o	44	13s	"
9.07.	0030-0200	G4FUF	27	27	55	95	9s	"
9.08.	2000-2100	LA6CU	26	26	11	9	5s	"
10.08.	0000-0120	SM5CNQ	37	26	mni	mni	1o2s	"
	0120-0140	SM5CNQ	519	419		AURORA E_s		"
	0200-0240	PAoNIE	39	26	16	22	25s	"

Thanks for the info and the nice letter, dr Johannes

OZ1ASL FO18c wkd:

11.08.	F6CJG	BF	37	27	13.08.	I1KTC/4	27	27	EE	
12.08.	IW5AVM	FC	27	27		EA3LL	26	26	AB	1680 km
	F1GIR	ZG	37	27		I1BEP	27	37	DE	
	F1FIH	CD	27	27		I4XCC	37	27	GD	
	F1GWP		27	27		YU3EST	37	37	HG	
	I3TJQ	GF	26	27	NC	F6CJG	27	27	BF	
	I1BEP	DE	26	27		F6FTN	37	27	DC	
	F5DE	AF	37	26		F1FIH	27	27	CD	
	F8OP	CF	38	38		YU2JL	27	38	HD	
	F1JG	CD	38	39		YU2CCB	26	26	IF	
	GJ8KNV	YJ	27	26		I3TJQ	37	27	GF	
					24.08.	F6HWY	27	26	AH	CW

tnx fer info, Poul, please be a bit exacter next time, especially with times

Y22ME HM53a wkd:

11.08.	1400-1540	OH7TN/9	ND	26	26	13p	6b	1,5s	C
	2000-2200	GM6BWV	XP	26	26	7	1o	1os	C SSB
	2200-2300	YU6AA/6	JB	27	27		8		C
12.08.	0028-0035	F6FTN	DC	27	27		4	2s	C SSB-RAND.
	0600-0612	GM4KUX/p	WR	26	26	3	4	15s	C SSB
	0655	F1JG	CD	27	37		1	1os	C SSB-RAND.
	0700-0722	EA6FB	AZ	26	26	4	2	3os	C SSB
	0800-0930	UA9GL	CR	26	--	2	1		NC
	0932	EA3ADW	BB	27	37		1	3os	C SSB-RAND.
	0935	G3UNU	ZM	27	37		1	2os	C " "
	0948	GI8TIC		37	37		1	2os	C " "
	0954	F1GHP	ZF	37	27		1	1os	C " "
	1001	GI4UTC		27	27		1	1os	C " "
	1200-1245	OH7TN/9	OC	26	37	3	3	2s	C
	2000-2200	UA4CDT	YL	26	--	4	2		NC
13.08.	0200-0250	UC2ACA	NO	27	26	2o	1o	5s	C
	0731	F6HLD	CG	37	37		1	3os	C SSB-RAND.
	0800-0900	EA1TA	VD	26	--	2	1		NC "
14.08.	0200-0230	G4OAE/OHo	KT	27	36	mni	11	1os	C
	1100-1200	GM5ENZ/p	WQ	27	36	19	2o	2s	C?
15.08.	0500-0522	I7IWN	JA	26	26	9	1o	1os	C SSB
3.07.	0300-0410	YO6AFP/p	MF	26	27	19	1o		C
5.07.	2200-2250	F6KAW/EA6	CZ	27	27	mni	mni	4s	C
11.07.	0900-1025	UK6ABI	TF	26	27	7	4		C
13.07.	0400-0505	YO2IS/4	OD	26	27	12	1o		C
31.07.	0700-0735	SM3UL	IV	27	39	5	6	2s	C
5.08.	0200-0310	UK3AAC	PP	26	27	21	11		C

NIL:UA6YBH,EA1KV,GM5ENZ/p

Danke für die Info, lbr Jürgen

DL7YS (GM46b) wkd:

30.09.	2300-0100	IW5ACZ	FD	27	27	9b	3op	NC SSB
2.10.	0900-1000	IW5ACZ	FD	26	--	3	1o	NC SSB

NIL:UK5LCE

tnx fer info, Peter

ON7EH CK03f:

28.06.	2100-2300	IW3QBC	GG	27	27	3op	42b	C	1s
2.07.	0200-0300	UQ2GFZ	NR	26	26	19	12	C	22s
3.07.	0500-0600	LA6CU	CU	26	26	8	6	C	2s
11.07.	0600-0650	LA5IH	CU	28	27	13	17	C	1s
12.07.	2000-2110	UQ2GCG	LR	27	27	11	27	C	2s
	2200-2400	UQ2GLO	KQ	27	27	9	22	C	17s
13.07.	0400-0420	LA9BM	EU	27	27	9	13	C	1s
15.07.	0200-0400	UK2RDX	MT	26	26	1o	11	C	1s
	0400-0510	YU2CBM	ID	28	26	15	26	C	2s
21.07.	1140-1210	SM0IOT	JT	27	27	5	2o	C	2s
	2100-2145	YU2JL	HD	27	37	13	1o	C	2s
22.07.	0300-0335	OK3AU	KI	27	27	23	19	C	2s
	2100-2130	I6DQE	GD	27	27	5	12	C	3s
24.07.	0400-0500	I1ANP	EE	26	26	18	12	C	1s
26.07.	0300-0400	I4PAI	GE	26	27	19	3o	C	3s
28.07.	0600-0650	OE3CEW	II	27	26	8	7	C	1s
29.07.	2200-2300	YO7VS	LE	37	29	8	1o	C	5s
31.07.	2100-2150	YU1AWW	KE	27	26	14	28	C	2s
2.08.	0700-0745	F6DRO	AD	26	26	8	17	C	1s
6.08.	2300-0020	LA6HL/TF5Y		26	26	7	1o	C	1s first ON-TF
7.08.	1200-1300	LZ1KPG	LC	27	27	2o	25	C	2s
8.08.	0600-0700	OH3MF	MU	36	26	4	11	C	16s
9.08.	0400-0440	I7CVC	HB	27	27	6	12	C	3s
	2100-2300	YU6GAS	JC	27	26	4	29	C	1os
1o.08.	0400-0435	HG4KXG	JG	27	27	11	2o	C	9s
	0600-0635	UR2EQ	NT	37	36	13	55	C	14s
	0720-0800	SMoAGP	IT	27	26	6	17	C	3s
11.08.	0400-0412	IW2BNA	EF	36	26	2	3	C	3s TROPO
	0740	EA3ADW	BB	37	37	2		C	5s RANDOM SSB
	2000-2200	YU6VHF	JB	27	26	9	37	C	7s
12.08.	0700-0730	SM2CKR	KX	36	37	6	18	C	12s
	0900-0920	SM3AFT	IX	27	27	6	12	C	13s
	1800-2000	F6FTN	DC	28	26	6	8	C	2s
	2100-2140	UP2BKH	KP	36	29	3	11	C	4os
	2300-2400	YU4CF	IE	27	27	2	5	C	3s SSB
13.08.	0700-0735	SL2CU/2	JZ	27	27	5	6	C	3os
	0755-0835	UQ2NX	MR	27	26	1	7	C	2os
14.08.	0000-0030	SMoLRN/pJS		36	26	1	12	C	3s
16.08.	0800-0830	G4OAE/OHo		26	26	22	17	C	15s QTH:KT
17.08.	1250-1350	HG9KOB	KI	27	27	4	14	C	1s
24.08.	2100-2240	YU1OO	KC	26	26	mni	7	C	2s

tnx fer info, dr Michel

LA8AK writes about his Up-Converter for MS-Reception

On a test demonstration a 1500 LPM signal was used. The signal was tuned through the passband of the RX. The signal level of about 6 dB above noise was arranged using an external MS test generator, 144.150 kHz ,placed at certain distance from the RX. The keying was just average, not very good since this is what one may expect on the band. Even when the receiver was tuned to low pitch- on the lower side of the RX passband, the morse could easily be detected. In a QSO it is not important to use time to tune: You only hear the sig and can report instantly!! tnx Martin

Y23FG FM69g wkd:

28.02.	0600-0800	G4IJE	AL	26	--	1b	3p	NC
13.03.	2200-2400	YU1AWW	KE	26	--	1	5	NC
22.04.	0200-0345	OH7TN/4	OV	26	35	2o	12	C before 0240:NIL
1.05.	0400-0455	F8OP	CG	26	26	7	5	C fb QSO
8.05.	0300-0500	OE6WIG	HG	26	--	3	mni	NC TROPO 419/419
	0600-0800	YU2JL	HD	26	26?	8	2	NC short
28.05.	2200-2335	F6DRO	AD	27	37	6	3	C
4.06.	1630-1830	UO5OGF	OG	26	--	2		NC QRM
6.06.	0200-0400	UK3AAC	SP	26	26	2		NC QRN
	1100-1200	I1ANP	EE	26	--	2		NC
7.06.	1900-0200	UK3AAC	SP	27	--	1	3	NC
16.06.	1700-1830	UO5OGF	OG	26	27	4	1	C
21.06.	2200-2340	YU2CCB	IF	26	26	5	2	C vy short
25.06.	1500-1625	UK3AAC	SP	26	26	4	4	C
26.06.	0000-0200	I1KTC	EF	26	26	7	15	C short
13.07.	1900-2100	I6DQE	GD	27	R2?	3	6	NC AURORA QRM
2.08.	2100-2205	I6DQE	GD	27	27	7	11	C 2s fb
4.08.	1900-2100	C312G	AC	26	--	3		NC
5.08.	0750-0900	EA3LL	AB	36	27	7	3	C 6s
6.08.	2000-2200	GM5EHK/p	ZR	27	--	1	2	NC
11.08.	0000-0150	I2CVC/7	HB	27	37	6	5	C
	2000-2100	YO6AZL	MF	26	26	7	2	C
12.08.	0300-0400	I6CXD	GD	27	39	2	1	NC
	0500-0535	I4MKN	GE	26	26	6	8	C fb SSB
	0900-1000	F1CNA	CE	27	27	6	1	NC no RogerSSB
	1000-1034	UA3MBJ/p	SR	26	27	7	4	C fb QSO SSB
	1800-1900	GW6APZ/p	XM	27	26	6	14	C? sunnoise 2o dB
	2100-2150	GM5ENZ/p	WQ	26	37	5	1o	C 5s
	2200-2300	YU6AA	JB	27	--	1		NC
	2300-2400	SM3AFT/3	IX	26	--	1	3	NC
13.08.	0000-0115	I1KTC/4	EE	27	27	1o	14	C 17s
	0800-1000	OE3PUW	II	27	26?	4	6	NC
	1300-1400	YU6AA	JB	26	27	4	3	C
	1400-1500	UO5OGX	OH	27	36	6	2	C 6s, 8s
	2000-2040	GB2XM	XM	26	36	13	13	C 12s
	2200-2300	I2PHW	EE	26	26	5	5	C 25s SSB
	2300-2400	F1FVP	ZF	37	--	1	2	NC NIL after 23o8
14.08.	0500-0600	OH1AA	LU	26	37	9	11	C SSB
15.08.	1600-1800	G4OAE/OHoKT		26	26	9	3	C
16.08.	2000-2200	OH7UE	OW	26	--	1	4	NC QRN 2o dB

NIL:F1CNA,UO5OGX,YU2JL,YU1AWW,UO5OGF,UA3UBD,F6DRO,RA3AGS,EA1ED, UA6YAF,YU2JL,F6HGQ,CT1BKW,IW2BNA,OH7UE,I6DQE,GM5EHK/p, YU3TTL,IW5ACZ,HB9PUY,SM3AFT/3,UB5LIQ

danke für die Infos,
dr Rolf

UA3LBO QO21h wkd:

9.05.	0400-0500	LA5IH	CU	26	27	3	3	C

tnx fer info, Valera

Remember to use 144,400 SSB and especially 144,125 for CW !!!!!

AURORA NEWS

by DK3UZ

DF9PY (DK65g) wkd via Aurora:

6.9.82	1420	OK2BFH	JJ13b	55A	55A	10°	838 km
"	1424	G6DDK/A	AL16h	59A	59A	"	446 "
"	1430	G4OJR	AM49j	59A	55A	"	436 "
"	1433	PA3BPC	CM66b	56A	59A	"	255 "
"	1435	G4LOH	ZM26h	55A	58A	"	609 "
"	1440	G4ARI	ZM24j	57A	56A	"	628 "
"	1451	GJ8YVL	YJ7Øj	57A	58A	"	651 "
"	1454	G4JNZ	ZL39a	57A	58A	"	524 "
"	1502	OK2BPR	JJØ3f	57A	53A	"	838 "
"	1506	GW3NYY	XL4Øb	57A	57A	"	779 "
"	1511	G8NWR	YM69d	52A	52A	"	668 "
"	1514	G6ELH	ZL29f	56A	54A	"	530 "
"	1519	G8KBQ	YL77h	57A	57A	"	684 "
"	1537	F6ECI	BI13h	55A	56A	"	350 "
"	1612	GW4EAI	YL25f	55A	54A	"	719 "
"	1618	G4ILI	YL1Øe	57A	51A	"	651 "
"	1627	G3RMD	YL1Øe	57A	52A	"	651 "

hrd: YU3, I1

13-LGP GF

14/7/82

0158	GW4GSS	YN	55A	55A	
0204	GW3NYY	XL	55A	56A	
0215	DJ9BV	EN	53A	53A	
0217	DK1PZ	EL	56A	56A	
0220	DK4TG	DL	56A	57A	
0222	G3UVR	YN	56A	55A	
0225	G4DEZ	AL	53A	52A	
0231	PA3BIY	CM	55A	55A	
0236	G3TBK	ZN	55A	55A	
0237	PA3CGR	DM	53A	55A	

6/9/82

1434	OK1MKI	IK	55A	59A	
1435	PA3AIZ	CM	59A	57A	
1440	OK2LG	II	57A	57A	
1442	OK2AU	KI	59A	59A	
1445	OK1MAC	HJ	59A	59A	
1447	F6CER	BI	59A	59A	
1450	OK3TBY	II	59A	59A	
1457	PE1EVX	CM	59A	59A	SSB
1503	Y23SJ	FK	56A	56A	
1525	PA3BBI	CM	55A	55A	
1542	GW3NYY	XL	56A	56A	

73, GIULIANO

AURORA

G8LFB (ZL30f) wkd via Aurora on 144 Mhz in SSB

820906

1155	DG1BP	DN37h	57a	56a	50	1305	DG6KAK	DK10a	57a	59a	60
1157	PY1DNA	GI48a	53a	55a	50	1309	PY1HJP	DM01g	55a	55a	60
1223	GM6HJV	YP05c	57a	53a	30	1313	DB7YAH	JN55j	57a	59a	60
1233	DB7YAH	JN55j	57a	57a	60	1318	DC9DR	DL57h	55a	51a	60
1238	GM8NXC	YR78a	59a	59a	30	1322	DH6VK	DK46b	55a	54a	60
1240	DB6DC	DI57e	57a	57a	50	1336	DL1YAM	JN73g	57a	59a	60
1250	DB2OS	FN60g	55a	55a	50	1342	DB5AI	FM54e	55a	57a	60
1253	DB4QI	DL18f	54a	53a	50	1345	DF0DAM	DK49g	55a	55a	60
1254	OD1DA	DL59c	55a	51a	50	1348	PY1FPI	GI34c	55a	55a	60
1256	PY1DNN	GH69c	55a	57a	50	1500	DC6ZZ	FM21e	57a	55a	60
1259	PY1BIF	BI59c	55a	57a	50	1700	DF7DJ	DL39a	57a	55a	60
1302	DB8YE	DM70d	56a	57a	60	1730	GM8GFF	YP01d	59a	59a	30

OK3RMW, OK3YCM, OK3TEG, OK3KNM /all portable - KJ62g/, Aurora 144 MHz 26j2 m ASL in CW

820906

0048	SMØDCX	IT70b	59a	56a	0°	1144	SMØFMT	IT50f	55a	33a	0°
59	SM6CMU	FR50b	58a	55a	0°	48	SM7KNK	HP32c	57a	53a	0°
0151	GM4ILS	YR24e	58a	55a	350°+	57	SM6EHY	GH23g	55a	54a	0°
0207	OZ1FGP	EQ68a	57a	53a	10°	1216	DK3UZ	EN20c	59a	55a	0°
35	OZ1EYX/A	GP13b	58a	55a	10°	23	SM1BSA	JR22e	57a	52a	0°
51	OZ4VV	EQ17a	57a	55a	10°	1318	UP2BJB	LP0bd	55a	55a	350°
0306	UR2EQ	NT61c	57a	55a	350°	34	G4IYA	AL34f	57a	52a	350°
16	UR2QA	NS73a	57a	53a	350°	40	G4LOH	ZM26h	57a	53a	350°
37	RR2RBD	MS53a	57a	55a	350°	1403	SM5CHK	HS36e	55a	55a	350°
48	LA4EDA	FT22g	55a	54a	20°	16	UQ2GFZ	NR57a	55a	33a	0°
50	OH2BBH	MU	55a	55a	350°	36	UQ2GL	KQ49g	55a	53a	0°
0400	SM4GVF	HT76a	59a	57a	0°	51	LA3UL	FT78h	55a	53a	0°
05	UR2CQ	MS53a	53a	55a	350°	55	SM5AQJ	JT61c	57a	56a	0°
10	SM6EAN	FR30j	59a	56a	0°	1503	SM5EOC	GQ25f	56a	53a	0°
16	SM5KX	IT33a	57a	55a	0°	19	SM6AEK	GQ25b	57a	53a	0°
28	SMØBYC	IT70b	59a	55a	0°	29	SKØCT	IT50d	57a	55a	0°
30	SM4VA	GT47a	55a	55a	0°	33	SM4IVE	HT68d	59a	55a	0°
37	SM5MIX	HS66g	55a	59a	0°	1620	UR2RQT	MS80e	59a	59a	350°
42	SM5BUZ	HS36e	55a	57a	0°	1711	SMØHAX	JT51b	57a	53a	0°
1050	SMØHAX	JT51b	57A	55a	0°	28	GI4GVS	XO21b	57a	-	350° all
1115	SM7DLZ	IQ53h	57a	56a	0°	1803	UR2RQT	MS80e	55a	55a	0°
19	RR2RBD	MS53a	57a	55a	0°						
25	SM4PG	HT51c	59a	55a	0°						
31	UR2RIW	LS02e	55a	55a	0°						

\+ New Aurora record in OK 1807 km

Palo/OK3YCM

OK3RMW /JI62a/Wkd via Aurora on 144 MHz in CW

HRD:

820926

1530	DK1KO	FN12g	59a	55a	10°
1600	G3UVR	YN55j	59a	52a	45°
04	SM7EMQ	57a	GP46g	55a	10°
45	G3TGL	ZM41f	55a	53a	40°

OZ8SL, SM7DLZ, OK1BMW/p, DL7TY, I1RSQ, OZ9QV, OZ3WU, UC2AAB, UP2AN, PA3APH, G4DEE, G3NVO, UA3LAW, G4IGO, G3NNG, YU3ACA, PAØOOS/A,...

Palo/OK3YCM

DK2ZF has moved to a new QTH, is now operating from DN37g
and wkd with 3oo Watts RF and 11ele DL6WU-Yagi the following Auroras :

1o.June 82 all QTF 45°

1506 GM3WCS YQ73c 57a 57a
1509 SM5CHG HS36e 57a 54a
1511 LB8IB ETo5j 55a 51a
1514 GM3JFG XR3ob 55a 57a
1516 LA6ZW ET29g 57a 55a
1518 LA6CU CU47j 56a 57a
1525 LA7KK FU62j 55a 56a
1545 LA1GCA CU38e 53a 53a
1556 LA9FY EU36j 55a 55a
16oo SM5DFT IS31c 55a 54a

12.June 1982

1645 OHØON KU71j 54a 53a
1655 SM5HL IS21d 53a 51a
1745 GM4ILS YR24e 55a 54a
18o1 OZ3GW FQ21a 55a 53a
all QTF abt 10°

6.August 1982
first sigs hrd abt 1255 UTC

141o GM5EHK/p ZR42h 59a 59a
1415 PA3CGR DM67b 57a 59a SSB
1416 SK7VHF 55A
1416 Y41B ? 55a
1417 DK2PH ELo3e 55a 55a
142o DL6BF DM57c 56a 57a
1421 PA2VST 59a 80°
1426 OK1KHI/p HK29b 53a 54a 80°
1431 OK2KZR/p IJ32j 52a 56a dto.
144o UK3AAA PMo7a 54a 59a
1441 G4HIX ZOo3e 56a 56a
1443 DK2DO EKo9c 53a 55a
1446 GM4JEJ YQ38g 57a 57a 40°
145o DJ9YE EN4oe 59a hrd
1452 DJ5KB ELO4g 53a 55a
1456 DL8ZAD EK72e 55a 52a
1457 SM6AOQ GR41a 57a 57a
1458 DF3RU FJ48j 59a 59a
15OO SM7IWG HR63g 56a 59a
15o4 OK1VKA 55a
15o5 YU3DBC IG22a 55a 55a
15o6 OE5KE HI52e 56a 57a
151o UC2ABN MN29a 55a 57a
151o Y23FG FM69 59a 59a
1511 G3BFP 57a 57a
1512 DK8VS DJ66h 58a 59a
1516 SM7TWG 56a
1519 HG1KYY IH3o 53a 53a
1525 OK2VBP/p JJo3f 54a 55a
1528 HB9MY EH63j 55a
1531 DL4MCD GI73e 55a 55a
1538 OK1NR 41a
1542 UK3AAC PP67f 55a 59a
1548 DL8GP DJ66h 57a 56a
155o OK1DIG HK41f 54a 55a

11.July 1982

163o GM3XOX/A ZTo4d 55a 56a
164o SM5MIX 55a hrd
1647 LA2PT FT13b 55a hrd

12.July 1982

143o LA6CU CU47j 57a 57a
1434 SM5CSN HT55b 56a 55a
145o SM6FAN FR3Oj 57a 57a
1458 SM7CEP HR24e 55a 55a
1459 SM5IXE IS21c 55a 52a
15o3 SM5MIX HS66g 55a 55a
15o4 LA9FY EU36j 55a 55a
152o SK7JD IR14f 56a 55a
1521 SK6HD GS68j 56a 57a
1525 PA2VST 55a hrd
153o SMØLRN JT71h 5a 55a
1546 RR2RBD MS51c 53a 56a
1548 G3AZI YN27a 54a 55a
1654 CI4LKA XO21j 54a 54a
17oo G4DHF ZM19f 55a 52a
17o1 OZ1EYE FQ41h 55a 56a
17o3 G3JQJ ZN21a 53a 53a
17o8 GM4CXM XPo9g 54a 55a

13.July 1982 QTF between 0 and 15°

1657 SM5AKU HT8of 55a 55a
17oo SMØCGL JT52e 53a 55a
171o GM3JIJ WS69c 53a hrd
1718 LA8UU DI71g 55a 56a 15°
1725 GM3WCS YQ73c 59a 55a qsb S1-S9
221o OZ3VV EQ17a 55a 57a 30°

24.7.82

weak Aurora abt 1700 UTC

2.August 1982

1645 LA5IH CU47j 56a 53a
221o OH1DPE LU42j 54a 53a
2218 SK4BX HT67h 55a 55a

6.August 1982 cont-ed

1551 OZ1GER GPo9 55a 59a
1552 ON5JT BK29f 55a 52a
1558 UP2BJB LPo6d 53a 55a
1559 G5KC ZN76g 53a 53a

DK2ZF (DN37g) wkd Aurora
with 75oW RF and 11 ele

6.Sept. 82 QTF°

1329 F6DWG BJ41a 59a 59a o7o°
1336 OK1MAC HJ37h 55a 59a
1339 OK2JIH IJ05c 55a 55a
134o YU3CAB HG55f 59a hrd o7o°
1342 HG1ZH IG15j 56a 59a 1o16km
1349 SM5CHG HS36e 57a 59a
1351 I4BXN FE38c 57a 55a o9o° 1o49
1353 I4XCC GD13d 55a 57a 1156km
1357 UP2BKH KP27j 57a 57a 934km
14oo YU2SMT 53a 55a
14o1 HG6VV JH2oc 55a 55a o9o° 1o99km
14o3 IW3QFF GF1oj 56a 55a 973km
14o5 YU1EV KE 55a 57a
14o6 HGØHO KH18a 56a 59a 1185km
14o8 HG8VV JGo9g 55a 59a 115okm
14o9 YU7BDG JF6Of 55a 59a 1293km
1412 HG8KAX KG17a 53a 59a 1245km
1416 YU1ICD JE37f 55a 59a 1329km
1417 HG1ZA IGo6g 55a 59a 1o15km
1418 YU7AU KE14 55a 55a 1376km
142o YU7AR KFo1c 57a 57a 1254km
1422 OK3TBY JI58b 57a 59a 925km
1423 YU7MAU JFo9j 57a 55a
1425 OK2BBT II o7c 57a 57a
1426 ON5KO BK17f 55a 57a
1429 DL6MAK FI79h 55a 55a
1438 YU2HWN IG64a 53a 53a
1441 YU7EW KF24f 55a 52a 13o3km
1443 OK3CPZ JI01c 55a 59a 917km
1449 F6GEO BK26j 55a 57a
1451 G8NM 55a
1452 UP2AN MO27b 55a 55a
15o2 DK6SP FI3Ob 55a 54a
15o5 SM6LJP GS6Oh 59a 59a
1515 UA3LBO QO21h 57a 59a 1612km
152o Y23SJ FKo8c 57a 57a
1529 DF5HC FN22d 59a 59a QTF70° both
153o DL6NAA FK66b 57a 59a
1537 DK2ZT DK36j 57a 59a
154o OK1DIG HK41f 55a 59a
1549 HG8ET KG22j 55a 57a 12o2km
1552 OK1DKX HIo3h 54a 55a
1555 YU2CMH 52a 57a
1558 DL9KAW DK11d 59a 59a
16o6 UQ2GFZ 54a 53a qrm
161o GW2HIY XN hrd max sigs in 90°!
1619 OK1AZ HKo4a 53a 53a
1621 G4HVC ZN77e 5a 56a
1626 DK5ZO FK14b 57a 56a
1635 UR2RQT MS80e 56a 59a 1262km
164o G3IOR AM27e 59a 59a 409km
1644 DJ5VW DL58h 55a 55a
1646 DK8VS DJ66h 55a 55a
1654 G3RDM ZN19e 55a 55a
1751 DL1GBF EI46e 55a 55a
1757 YU3ES GF3Od 53a 53a
1758 DL5MAE FI6Oc 53a 57a
18oo DJ7GK FI6Oh 55a 55a
18o6 I2FAK EE77j 53a 55a
181o F5SE CJ51f 56a 57a
1814 HG1WA 52a 53a

7.Sept. 82

1245 hrd OZ1ASL and
SM1BSA both 52a

13oo SM6AEK CQ25b 53a 53a
1314 LA9UX FU76f 53a 53a
1316 SM5CHG HS36e 54a 57a
1334 SK6OE FR3Oc 55a 55a
134o LA2DH ET28g 52a 54a
1353 SM6LZQ GR1Oj 53a 53a

144 Mhz AURORA – ON4YZ CK53e

07/09/82.	– OZ3GW	17.48'	52A	52A	FQ31a
	– GM3WGS	18.00'	57A	55A	YQ73c
	– GM4CXM	18.09'	54A	53A	XP19g
	– G4DEE	18.13'	55A	51A	YN39b
26/09/82.	– SM7BYU	14.47'	52A	54A	GP15d
	– EI6AS	15.02'	56A	57A	WN59c

OE 1 RKU II 65 F WKD: AURORA: SSB

6.9.1982

13 32	PE1 HXD	IN 62h	1o°	913 km	15 o6	PAØ	ING	IMo5	0°
13 34	DD1 DA	DL 59c	1o°	715 km	15 1o	PE1	GHV	IM66h	0° 8o8 km
13 36	PA2 CHR	CL o5b	0°	922 km	15 22	PE1	EVA	CM15h	1o° 972 km
13 45	Y22 SA	GK o8b	0°	679 km	15 37	G4NGC		ZL6oc	315° 1236 km
13 58	03XIR		0°		15 5o	G8WFD		ZN51e	32o° 14o8 km

6.9.1982

14 oo	PE1 FIC	CM 74j	355°	942 km	16 oo	G8KBQ		YL77h	32o° 1421 km
14 12	PE1 ACB	CM 65a	355°	937 km					
14 17	OZ9 SL	FP 74g	355°	866 km	26.9.1982				
14 36	SM7 KNK	HP	355°		16 51	G8JHL		YN35e	33o° 1493 km
14 42	PAØ FHG	CM 64d	355°	942 km					
14 49	ON4 AMY	CL 76g	0°	883 km					
15 oo	DL1 YAW	EM 79g	0°	651 km					

vy 73 OE1 RKU

I4XCC. GD85d

July 13

2337	DJ9BV	57A	56A	EN4Øo	0014	GD3YEO	44A	45A	XO68e
2342	G4ERG	52A	52A	ZN28b	0027	GW2HIY	52A	52A	XN57j
2347	G3UVR	55A	53A	YN55j	0044	PA2VST	53A	53A	CM24j
2353	GW4GSS	52A	52A	YN75j	0121	G3NSM	52A	52A	ZL14e
2358	DL3YB/A	59A	56A	EM5Øb	0214	G3YBK	53A	53A	ZN77g

July 14

0000	GI4LKA	52A	52A	XO21j	0215	GW3NYY	55A	55A	XL4Øb
0007	G3HIK	55A	55A	YN29b	0225	EI6AS	55A	55A	WN59c
0010	G4JJB	54A	54A	ZO34d	0243	DF1OH	53A	53A	EM57j

QTf: 340° for G,GW etc and 015° for DL and PA

Odx via Aurora: GI4LKA, 1782 Km

DF9PY/p in DK64b wkd via Aurora:

13.7.82 1842 G8JNV ZMØ8c 56A 56A 0° Grad 581km

295

HG2KML wkd via 2 m Aurora /20 W, CW/:

1982. 06. 09.

12.45	OZ1EXZ	55A	55A	FP53a	350
52	64ISM	55A	31A	AL56d	350
58	DK1KO	55A	55A	FN12g	350
13.11	DF7DJ	55A	55A	DL39a	355
14	DL9GS	55A	55A	DL47g	0
20	DL6DAR	55A	52A	EI22j	350
26	DF7KFX	55A	55A	DKØ4e	350
53	PAØERW	55A	53A	CL48b	0
15.18	DK6AS	55A	57A	FM44d	0
34	DJ9BV	57A	55A	EN4Øc	10
45	DF2HC	57A	54A	FN31b	10
48	DJ7AX	57A	55A	DL47g	10
16.00	DF7OG	55A	31A	FM31j	10
10	DF2HC	55A	52A	FN31b	10
17.28	UP2BJB	55A	31A	LPØ6a	10

YU 2 JL (HD3Øa) wkd

13.07.1982. 2m Aurora

17.56	G3NSM	55A	ZL14e
18.02	OE1EPK?	42A	
11	Y22QG	52A	
50	OK1DPL?	53A	
50	PA2VST	53A	
51	OK1MGW	52A	
52	PAØOOM	56A	
54	ON4YZ	52A	
56	GW3NYY	56A	XL.Øb
58	G4IGM	55A	
18.59	G4FUF	53A	AL...
19.17	G4IGO	52A	
24	Y22ME	52A	HM...
30	PA2VST	42A	
53	GW3(NYY?)	31A	

All HRD! Signals were weak, more than in Aurora of july 1981. That is the reason, perhaps, why no any answer to my call.

73's Boban

OE3CEW (II52f) wkd AURORA 144MHz SSB

6.9. 1157-1528 UTC all 15°

1157	DG1BP	59	59	DN37h	1425	DL1EAF	59	59	DL62b
1202	SM7JUQ	58	57	GP	1425	DB5AI	58	58	FM54a
1231	PA2CHR	56	55	CL79b	1428	DG6AJ	59	58	FM44e
1239	OZ1EET	56	57	GP11g	1433	PE1ACB	58	58	DM65a
1314	SM6NJC	56	52	GR03c	1434	OZ4IE	57	55	FP26g
1321	OZ1GGT	56	57	P65g	1437	SM7MEW	56	55	HR30j
1324	DG9BI	58	57	DN37h	1441	DL8HBF	53	55	EN26j
1326	DK9TF/a	57	57	DL66b	1443	SM7CAD	56	58	HR40c
1328	DD1DA	58	59	DL59c	1446	SM6IUj	52	59	
1333	DD4QI	52	52	DL18f	1450	PA2CML	56	59	CM62c
1338	PE1HXD	59	59		1452	SM7NNJ	59	57	IQ22j
1341	OZ1GAT	52	52		1456	SM6LIF	56	56	GR08j
1345	PE1FMU	58	59	CM15g	1501	ON5UM	56	56	CK23e
1347	PE1EVX	59	59	CM15h	1509	DG9BAS	59	59	EN73c
1349	DLØUD	58	58	DL56d	1512	DG3AB	59	57	EM60c
1355	PE1FIC	59	59	CM74j	1513	DG9DR	53	53	DL57b
1357	PE1HAO	56	53		1517	DF7DC	52	55	DL28e
1404	SM7ASN	58	57	GQ69c	1521	DG3EW	53	59	DL63a
1409	DHØLAC	59	59	FO41d	1523	DL4OL	59	57	FM51f
1412	DC4LM	59	59	EN06j	1525	DL6DAR	57	59	EL23j
1415	PE1GHV	59	59	CM66h	1528	DF5YS	53	55	
1417	DJ2PC	59	59						
1419	PE1DFK	59	52	CM25c					
1422	DK8OB	59	58	EM49d					

best 73 ERIK

DF9PY in DK65g wkd via Aurora:

7.8.82 1543 G3WZT ZKØ9j 52A 52A 0° Grad 510km

796

ON 7 EH (CK Ø 3 F)

82 07 11						
16	41	SMØDCX	52 a	53 a	IT[illegible]6b	0°
	47	SM4LMV	52 a	52 a	HT57g	0°
	50	SM4GVF	52 a	55 a	HT76a	0°
		SM4COK	51 a	53 a	HT76c	
82 07 12						
14	44	SMØHAX	52 a53	53 a	JT516	355°
	49	GM3JFG	53 a	55 a	XR3Øa	355°
	58	LA3EQ	53 aj	59 a	CSØ9b	
15	09	GM8OEG	55 a	56 a	YØ36c	
	17	SM6CMU	53 a	55 a	FR5Øb	
	28	GM4HKV	55 a	59 a	UQ23d	
	30	GM8TSI	59 a	57 a	YPI6h	
	36	OZ1EYE	52 a	56 a	FQ41h	
	42	LA5UBA	53 a	53 a	CS29h	
	47	UR2RQT	52 a	59 a	MS8Oe[illegible]	
	50	GM4OBD	52 a	56 a	YR6ØA	
	52	OZ4VV	59 a	59 a	EQ17a	
	55	SM5AKU	52 a	54 a	HT8Øf	
	59	GM5DTB	52 a	52 a	ZR52f	
16	ØØ	GM8YJU	51 a	52 a	YOØ5a	
17	Ø7	SM5MIX	52 a	52 a	HS66g	
	17	SM7GEP	51 a	51 a	HR	
	21	SM7AED	53 a	55 a	GQ56b	300°
	51	GM3JIJ	53 a	55 a	WS69c	
	54	GM3ZXE	52 a	53 a	YQ35g	
18	11	GM4ILS	52 a	52 a	YR24e	
82 07 13						
17	01	SM5AKU	53a	54 a	HT8Of	
	04	LA5UBA	52 a	55 a	CS29f	
	18	SM5EFP	51 a	53 a	HT5Øe	
	22	SM5FND	53 a	55 a	HT8Øj	

ON7EH CK03F

820713

1737	GM6CFN	XR3Og	52 a	54 a	
44	GI4GVS	XO21b	53 a	53 a	
49	GM4JCM	YO45b	52 a	55 a	
50	LA6VEA	ES34b	53 a	52 a	
51	SMØDCX	IT7Øb	53 a	52 a	
53	SMOHAX	JT51b	55 a	56 a	
58	LA8UU	CT8Øj	55 a	56 a	
18 08	EI6AS	WN59c	55 a	55 a	
14	GW2HIY	XN57j	55 a	53 a	
30	G4HVC	ZN77e	52 a	52 a	
35	GW4HDR	YN53c	52 a	53 a	
48	UP2BJB	LPØ6d	55 a	53 a	
20 41	GM4JJJ	YQ73h	52 a	52 a	

82 08 07

13	19	GM4IKT	YP06a	55 a	55 a
	30	DF8XO/OZ	ER59f	52 a	52 a
	34	GM6CFN	XR3Og	53 a	55 a
	56	GM8OEG	YQ36c	53 a	57 a
13	58	GM5CJF		59 a	55 a
14	10	GM5EHK	ZR42h	59 a	59 a
	20	GM8HVB/P	XQ80c	51 a	55 a
	35	G4HIX	ZOØ3d	52 a	53 a
	43	GM4CXP	YP37c	59 a	59 a
	47	UC2ACA	ONØ[illegible]c	55 a	55 a
	52	UP2AN	MO27b	55 a	55 a
15	01	UA3LBO	QO11a	55 a	55 a
	09	UA3LAW	PO37c	55 a	55 a
	23	UK3AAA	PMØ7a	55 a	57 a
	26	GM4IGS/P	YT75j	59 a	59 a
	42	UB5WBQ	L[illegible]59a	52 a	54 a
	57	Y38WB/P	GN51[illegible]	59 a	57 a
16	08	GB2XM	XM17j	59 a	59 a

82 08 11

16	06	GM4KUX/P	59 a	57 a	WR48e	
	11	SM6EAN	53 a	54 a	FR3ØJ	350°
	36	GM8MEP	53 a	59 a	YR6Øe	
	44	GM3ZXE	53 a	53 a	YQ37g	
17	23	GM5ENZ/P	55 a	55 a	WQ49j	
	57	GM3EHH	55 a	57 a	YQØ9B	

HG 8 ET /:KG22j:/ wkd via Aurora on 144MHz in CW:

1982.07.08.	14.21	SM7WT	GP27c	57a	57a	QTF:10°
	14.22	SK7OC	GP27c	57a	57a	"
	14.26	OZ9FW	GP31b	57a	55a	"
	14.29	OZ1TBE	GP12j	53a	53a	"
	14.38	OZ6OL	FP5Øe	57a	55a	"
	14.44	SM7LAD	GP48a	57a	57a	"
	15.01	DK1KO	FN12g	59a	59a	"
	15.04	OZ1FDH	GP22c	58a	59a	"

-After QRT - the storm broke out /:SRI:/

VY 73!

DK 6 AS (FM44d) wkd via Aurora on 144 MHz in CW:

820410
1537 UP2BKQ KP26c 55a 59a 45°
49 UP2CG LQ77a 52a 54a 45°
1618 EI2CA WM10a 55a 55a 345°
22 UP2BJB LPØ6d 59a 59a 0°
36 RQ2GGV LR74e 57a 57a 0°
44 OH1YP LU74g 56a 56a 0°
48 UK2RDX MT35g 57a 58a 0°
58 OH1AJ LU41c 57a 57a 0°
1703 UP2BDZ LQ75c 52a 59a 0°

820711
1620 LA6CU CU47j 55a 55a 0°
31 LA5IH CU47j 54a 53a 0°
36 GM3XOQ/A ZTØ4d 54a 55a 0°

820712
1624 RQ2GAG MQØ1f 55a 55a 0°

820724
1719 GM3UU YR7Øf 55a 55a 15°

820806
2324 GM3XOQ ZTØ4j 53a 53a 350°

820807
0727 LA2PT FT13b 55a 53a 0°
1327 GM5EHK/p ZR42h 59a 59a 15°
1426 UA3ACY PO11c 52a 54a 45°
36 UA3QER RM27a 55a 55a 45°
38 UP2BKO KP26c 57a 55a 45°
47 UC2ACA ON13c 55a 55a 45°
1503 OK3KPV/p JIØ1b 54a 55a 45°

1707 UQ2GAJ LQØ6b 55a 55a 0°
22 UQ2GHJ ? 42a 54a 0°
28 UR2RMN LSØ5c 56a 57a 0°
36 UQ2GFZ NR57a 55a 57a 15°
37 UQ2NX MR43f 57a 57a 15°
41 OH1AA LU42f 59a 59a 15°
1810 OHØBA KU45d 57a 57a 15°
13 LA8OW EU31g 59a 59a 15°
18 SM7KUG HR46j 55a 55a 15°
28 UR2RIW LSØ2c 53a 55a 15°

1640 SM4COK HT 54a 57a 0°
46 SM4KVM HT56d 57a 56a 0°
47 SM5CFS JT24j 55a 55a 0°
56 SMØDCX IT7Øb 57a 57a 0°

1721 LA5UBA CS29f 55a 59a 0°

19o2 SM7KNK HP32c 54a 53a 330°

1525 OK3CDR II66c 57a 57a 60°
27 UK5EDT RI8Øa 55a 55a 60°
35 I2PAK EF77g 55a 55a 65°
35 I3AY EF46c 55a 55a 65°
38 OE5KE HI52e 59a 59a 80°
39 HG1VQ IH 55a 58a 80°
45 HG1YA IH 59a 59a 80°
47 UK5LCG TK71a 57a 55a 80°

First time wkd UB5 via aurora. New ODX with TK-square: 1885 km.

820811
1727 OHØNC/OJØ JU56c 53a 43a 0°
1845 GM4KUX/p WR48e 52a 41a 350°

Vy happy abt first QSO to OJØ.

820906
1441 UP2BJB LPØ6j 59a 59a 45°
47 YU2SZZ ? 55a 55a 60°
48 OK3CPZ JIØ1c 57a 59a
51 HG8VV JGØ9j 59a 59a 75°
YU3UVQ IG32f 59a 57a
53 YU1AD KE13j 55a 58a
55 YU4EDO JF62c 55a 55a
YU2CMS IG33f 57a 59a
56 UB5WAL LI17a 55a 55a
UB5WCF/p LI17a 57a 55a
57 UB5WBJ/p LI17a 56a 55a
59 OK3AU KI27f 59a 59a
15oo HG5NFB JH36b 59a 57a
o1 YU2SOM IG43f 57a 55a

1511 I4XCC GDØ3d 55a 55a 60°
12 UP2AN MO37d 55a 55a
17 HG2KMD JH33g 55a 57a
18 YU1ICD JE37f 55a 59a 80°
2o YU7DX JF7Øa 55a 57a
22 YU1EV KF 55a 55a
24 YU7MAU JF6Øj 57a 56a
26 OE3HGW II22f 59a 59a
37 RR2RBD MS53a 59a 59a 0°
4o UR2EQ NT61c 57a 57a
42 OH1ZP LU 55a 55a
44 OH1ZAA KV38h 55a 54a
46 LA5EBA FT22b 55a 55a
48 LA5LBA ? 55a 54a

2Q7

DK 6 AS (FM44d) cont'ed

820906
1553 UA3LBO QO 59a 59a 45°
58 UQ2AS LQ23j 55a 55a
16o4 OE3WBA IHØ2h 55a 55a
o6 OH2LO MU56f 57a 56a 0°
25 UQ2GHJ NR37f 55a 57a 15°
38 SK4NI GT48d 59a 59a 25°
41 OH1PS LU46d 55a 56a 10°
46 I1KTC EP44g 53a 51a 60°
58 RR2TEJ NT71a 55a 55a 0°
17o9 UA3MBJ SS78e 53a 55a 40°

1732 SM5BKA IT7Øa 55a 55a 0°
42 UK2RDX MT35g 55a 56a
51 UQ2GII MQ37h 52a 55a
58 UQ2GFC KQ36f 55a 55a
59 SM5EFP HT5Øc 57a 58a
18o3 LA2QCH FT 53a 53a
o5 LA8WF FTØ3e 55a 55a
o8 SM5HJ HT51b 55a 55a
18 YU3CAB HG55f 54a 53a 310°
2o OE5WIG HG29b 53a 55a
22 OK2KRT JJ41j 53a 59a

820922
1513 LA3UL FT71J 53a 54a 25°
18 SM4FWY HT66d 54a 55a
23 SM6LGQ GR1Øj 52a 51a
38 LA6VBA ES34b 54a 55a 5°

172o LA8SJ FT72g 55a 55a 34o°
24 SK4BX HT67h 54a 55a
27 SM6CMU FR5Øb 55a 55a

820926
1544 UC2ACA NN18d 56a 57a 15°
52 UA3MBJ SS78d 53a 55a 3o°
57 OK3TBY II58b 55a 57a
58 UQ2IV KQ36f 56a 59a 34o°
16o7 UQ2GII MQ37h 54a 58a 0°

161o OH5LK NU37g 54a 57a 0°
15 UR2OA NS73a 54a 55a
25 UK2CAU NO55a 54a 59a
28 RR2RBD MS53a 57a 57a
3o OH2BWL MU57e 54a 56a

PE1AAP - GM67d Aurora. All stations wkd/hrd in SSB.

820926
1340 OZ3SW GP11j 56a 55a 65°
45 PE1FHS CM55c 54a 59a 60°
49 G4NVA YN69a 55a 53a 50°
55 OZ1DPR EP54e 59a 59a 60°
59 SM7EML HQ73j 55a hrd 60°
1403 GI4GVS XO21b 57a hrd 25°
05 GI6CJG XO31j 55a hrd 25°
08 G6CVT YN35j 57a 58a 25°
14 GI6BNI XO22e 55a hrd 40°
31 LA ?? CS29f 54a hrd 35°
35 GI8TVK WO34d 55a 58a 20°
41 GM8OFX YR78a 59a 59a 30°
44 SM6KEG GR11j 55a hrd 55°
59 GM8GFF YP04d 56a hrd 25°
1517 GJ8YVL YJ70a 54a hrd 55°
31 GD8ODB XO58b 56a 59a 35°

1537 GM8SVL YM30b 56a 59a 35°
46 F1KBF BI01j 59a hrd 70°
50 DL2KAL/A DK23g 59a 55a 70°
1634 G8OPR ZL63j 55a 59a 40°
40 G8PTP/P ZL18h 56a hrd 50°
45 GI8ROJ WO57b 54a hrd 30°
54 GI8RLE WO57b 54a hrd 30°
59 GI8YDZ WP67b 55a hrd 30°
1708 GM6PZ XQ77e 54a hrd 15°
1725 not qrv.
1805
1809 GM3JIJ Ws69c 55a 57a 30°
1814 LA7AJ FT71a 55a 54a 35°
1820 GM6PZ XQ77e 57a hrd 20°
1910 end of opening.

Best 73's, Dolf

DF9JY/p (DK64b) wkd via Aurora:

6.9.82 1730 DL6FAW/p EO25d 59A 53A 0°
" 1742 G4HVC ZN77e 51A 51A 0°
" 1746 DF5LS FO66j 52A 52A 0°

Aurora DX

DG1BP (DN37h)

82o714
- o135 EI2DW WN5of 58a 59a 15°
- 45 GW3NYY XL4oa 58a 58a 15°
- o213 EI4AEB WN49a 58a 55a 5
- 37 UA3LAW PO26g 57a 57a 6o°ODXa 16o6 km

82o811
- 17o4 GI8YDZ WP67b 59a 57a 15°

82o9o6
- 1134 GM4COK YPo4b 59a 59a 3o°
- 56 CE3CEW II52f 57a 59a 4o°
- 1213 SM4MNN HT56c 59a 55a 3o°
- 4o SM4FWZ HT56c 59a 56a 3o°
- 48 SM7DLZ IQ53h 59a 59a 6o°
- 53 F1CVU AJ31d 57a 57a 3o°
- 56 SM1NDF JR22e 43a 55a 3o°
- 13o3 LA1QCA FT66b 56a 55a 3o°
- 11 CE3OKS IH21h 59a 59a 9o°
- 19 OE9XXI EH49a 55a 55a 7o°
- 39 YU7AR KFo1c 51a 51a 9o°
- 44 YU2CMS ?F33f 51a 57a 9o°QRM
- 58 HG1KSC IG15j 59a 59a 6o°
- 14o1 HG1S IG15j 59a 59a 6o°QRM
- o5 IW3QBC GG76a 45a 52a 6o°QRM
- 19 I4BXN FE38c 59a59a 45°
- 26 F6HWY AH64c 59a 59a 45°

DF9CY wkd 432MHz Aurora

7.8.82
13.o2 df51q eo5øj 52a --- 45°
.45 gm4jjy yr8øa 31a ---
14.12 df51q eo5øj 55a 51a 70°
.47 paøwwm 54a 70°
.5o g31tf am 53a
.58 df1oh am57j 54a 52a
15.o2 paøfre cløøj 55a 53a
.15 f1beg/p bj39j 56a 54a 60°

26.9.82
14.1o df51q eo5øj 57a 52a 70°
15.28 Oz7is gp22j 56a 55a 60°
16.46 paøfre cløøj 54a 53a 70°
hrd 432MHz:
GM4JLY(yr),g4kgc/g3wdg(zm),
dl7qy(fj),dl7z1(gm),oz1ekå(?)
sm7bae,df1oh,g31tf

G4ICO (YL38f) contd.

820724

1758	DF9CY	EL02e	55a	55a	6ø	1818	DL9KAW	DK18d	51a	51a	6ø
1801	PAØRDY	CM45e	55a	55a	6ø	1824	PA3BBV	CM66g	56a	55a	6ø
1803	PAØPKN	DN64h	52a	56a	6ø	1834	GM4DJH	YP11e	55a	55a	25
						1840	GM3CBY	YL31h	57a	56a	25

hrd G4ASR, GBJO, GM4JEJ, GM4IAO, G4IJE, PAØFHG, GM3JFG, GW4HBR, G14GVS, G3PFI, GM4EHH.

tks fer info, dr Ken

Aktivität auf 144 MHz HB9QQ

Am 14.9. konnt eine recht gute Bandöffnung in Richtung nordwest registriert werden. Am Abend konnten Stationen aus G, GI, GD, GW, PAØ und ON mit z.T. sehr starken Signalen gearbeitet werden. Gegen 2100 UTC waren zudem Stationen aus LA, SM und OZ zu hören.

Am 26.9. ergab sich eine schöne Aurora-Oeffnung. Bereits ab 1300 UTC konnten die ersten Verbindungen mit OZ, SM, G, GI, GD, GW, PAØ etc. gearbeitet werden. UC2AAB wurde gehört konnte aber nicht erreicht werden.

1400	UTC	OZ2FOW	GOØ2a	QTF	o2o	
04		OZ1CLL	GP23c		o2o	
o7		DL7ZM	GM27e		o2o	
o8		OZ9QV	GP22f		o2o	
10		OZ3ZW	FO18e		o2o	
13		PAØVST	CM		o2o	
21		G4GUF	AM		o3o	
23		PAØADM	CM		o3o	
25		G4DF	ZM		o3o	
27		DL6VW	EM		o3o	
31		G8VR	ZM		olo	
36		SM7EMQ	GP		olo	
39		GD4ICM	XO		olo	
42		PA3BYI	CM		olo	
46		GM4CXP	YP		olo	
5o		G3UVR	YN		olo	
15o2		DL7TY	GN		o15	
o9		OZ1DOQ	GP		o35	
12		DJ5BN	EN		o2o	
21		DF8ADX	EM		o4o	
23		PAØFAS	CM		o3o	
25		PAØRLS	CM		o3o	
26		PAØIWB	CL		o2o	
29		PAØPKD	DN		o2o	
34		DK2ZF	DN		o2o	
44		OZ1HHF	GP		o2o	
55		PAØRDY	CM		o2o	
16o7		PA3BIU	CL		o2o	
23		G3LTF	AL		o2o	
47		GI4LKA	XO		olo	
52		SK70C	GP		360	uvm.

SM0DCX (IT70b) wkd >900km via Aurora on 144 MHz in CW:

820829
1237 UK3MBA TR32j 56a 59a
42 UA3TCF WQ14a 55a 56a

820830
1507 GM3XOQ ZT04j 43a 54a
32 UA3MBJ SS78e 43a 59a

820905
1353 DK2ZF DN37g 59a 59a
1559 OY5NS WW77f 56a 54a

820906
0005 PA3BIY CM72c 55a 55a
11 G3UVR YN55j 58a 56a
19 PA0RDY CM45e 59a 59a
27 EI6AS WN59c 55a 57a
35 GM4ILS YR24e 58a 56a
40 G3UTS ZO11b 53a 55a
45 PA3BMN/A CK20b 55a 55a
48 OK3TCC/P KJ62g 56a 59a
51 OK3YCM/P KJ62g 56a 59a
53 OK3RMW/P KJ62g 56a 59a
55 OK3KNM/P KJ62g 57a 59a
0144 DF1OH EM57j 59a 58a
56 GM4OXJ XR30g 56a 58a
1549 YT9ZL HK04h 56a 55a
1712 UA3PBY SN08a 57a 59a
19 RA3LBK QP77d 59a 59a
34 DL1EAF DL62a 57a 57a
37 DL4FAF/P EJ24d 43a 52a
39 Y24PL GL80a 57a 55a
42 DF5DE EK02h 55a 58a
49 DJ9CZ DL71a 56a 55a
54 DJ1SU FM52c 58a 58a
1800 OK1KGS HK63f 54a 55a
02 Y24XN GK33f 56a 56a

820907
1718 RA3AGS SP19j 55a 57a
37 PA0KDV DN71f 54a 55a
53 UA3UBD UQ13b 55a 57a
1812 UA3NAU UR15f 57a 55a
14 UA3OG UR15f 56a 56a

820921
2339 G4MEJ ZM67e 54a 55a
46 G4IJE AL12g 55a 54a
48 PA3CGR DM65b 55a 55a

820922
0020 OY9JD WV07h 57a 59a

820926
1333 UA3IAR SQ11f 56a 57a
47 UB5EAZ ML73a 55a 55a
55 G8VR AL42e 55a 55a
56 ON7RB BL80f 59a 59a
1402 G4HUP YN10h 58a 56a
20 UA3IDQ QQ64d 57a 57a
27 UA3UBD UQ13b 56a 57a
54 G3TGL ZM41f 55a 55a
1610 G5BM YL08c 56a 56a
14 G4BAO AN61b 55a 57a
23 G3NNG ZL23f 57a 59a
42 G3JXN ZL39e 56a 55a
1701 G4ARI ZM24j 55a 55a
06 YT6ZL HL61f 57a 57a
10 OK1AGI HK71a 56a 55a
1830 Y24XN/A GK32d 56a 57a
32 PA3APH CL03j 57a 52a
34 G6NB ZL06e 57a 57a
37 G6LX ZL60b 57a 57a
39 DK5EI DL68h 55a 56a
41 DJ9UX DL66e 56a 55a
1952 UK3YAM RN52j 59a 59a
2348 PA0BWL CL18e 55a 57a
51 DJ9CZ DL71a 54a 55a
56 PB1DUW CL27h 53a 55a
59 PA3BHS CH70c 55a 55a

820927
0001 DK3FW EM69b 59a 59a
03 DK8JF DL44f 54a 54a
05 PA0HIP CL34b 56a 59a
06 PE1HTE CL70f 54a 55a
08 PA3EBA CM72j 55a 55a
10 PA2GFL DM65a 56a 55a
12 PA0FRE CL03j 53a 54a
14 PA3EDY CM78d 59a 59a
16 PA3CGR DM65b 57a 55a
31 GM4JLY YR80a 57a 57a
0148 PE1GHV DM66h 59a 55a

821001
1818 DK3FW EM69b 57a 57a
41 G3BW YO33g 55a 55a
43 G3LTF AL11d 55a 53a
49 DK3BH/A DN29f 57a 59a
58 PA0PKD DN64h 54a 53a
1900 PA0OOM DN54g 59a 57a
2225 OK1KHI/P HK29b 56a 58a
44 RA3AGS SP19j 58a 59a
2308 PA0BLD CM55j 55a 55a
10 PA3BSK DL04a 55a 55a
12 PA0RLS CM53d 54a 55a
16 PA3AQN CM63g 55a 54a

821002
0026 GM4ILS YR24e 56a 55a

QTF: UA3..50-70°, GM..290-310°, D..280-300°, OY..330°, PA..280-290°, G..270-290°, EI..280°, OK..280-290°, Y..290-300°, UB5..310°, ON..280°

Vy 73's de Lars

DF9CY EL62e wkd Aurora on 144 MHz:

o7.o8.82
12.35 SM7DLZ IQ53h 55a 57a 20°
.37 gm5ehk/p zr42h 58a 55a
.47 1a9cm ft72h 53a53a
13.12 gm4cok yp64b 54a 53a 45°
.18 oz1bef eq67h 53a 55a
.36 sm7knk hp32c 53a 55a
.57 ua3lbo qh11a 52a 55a
14.o3 gm5cjf yr86j 58a 55a
.
.o8 sm1bsa jr34a 52a 55a
.17 g4jjb zo34d 53a 54a 50°

26.o9.82
14.17 ok2kzr/p ij32j 53a 59a
.2o yu3aca/3 hf25c 52a 59a
.21 ok1qi ? 52a 57a
.27 uk2cau no55a 55a 59a
.3o g3noz zl17j 52a 55a
.32 gw4lxo yl34d 53a 55a
.
.36 g4hoz yp77d 54a 55a
.39 oe3puw ii72j 53a 55a
.42 ur2qa ns72a 52a 55a
.52 sm6lpg gs76c 54a 57a
15.19y2iif h112d 52a55a
.22 g3zrh al32a 53a 53a
.25 g4dfb zm53h 53a 54a
.4o g4hlx zl23e 53a 55a
.3o sm6aoq gr41a 54a 57a
.33 gw2hiy xn57j 53a 51a
.36 g3vbs zo14e 44a 51a
.39 g4doe yn39b 53a 55a
15.o9 uk3aac pp76f 44a 59a 60°
.23 up2bea up52a 53a 57a
.33 uk3aaa pm67a 53a 59a
.55 f6agb bi32a 53a 56a 75°
.58 ua3og pq69c 52a 55a
16.o2 ua3nbi ? 44a 53a
.12 sm7iwn hr 32a 53a
.48 f6hgc ch55b 53a 55a
.52 sm7byb hq36a 55a 57a
16.14 g3tbk zn77g 53a 55a
.18 oz1bok gp21d 52a 56a
.23 g4eue zm33g 54a 53a
16.o8 g6lx zl66b 55a 55a
.12 sm5ayy hs38e 55a 57a
.13 g6nb zl66e 55a 56a
.16 dk8vs dj66h 54a 54a
.18 f6geo bk58e 42a 52a
.37 sm6aoq ? 42a 55a
18.36 g4mej zm67e 54a 57a
.53 uc2aab nn18c 52a 53a
.56 sk7hw ? 41a 51a
19.o3 g3zxm zn23f 52a 53a
.o4 g4aci yn27a 53a 55a

DG1BP (DN 37 h) 2m Aurora in SSB (only aDX)

82o217
1613 GM8OEG YQ35e 57a 57a 15°

82o41o
1519 GI8UPV XO31g 59a 59a 15°

82o712
152o GM4KVV HT56c 57a 54a 15°
33 GM8YJU YOo5a 57a 58a 3o°
52 GI8YDZ WP67b 57a 55a 3o°

82o713
232o GM8TGI YP16h 55a 57a 15°
34 GM6CFN XR3og 55a 55a 3o°
56 GI8UPV XO31g 59a59a 3o°

82o714 °
oo14 F1CCC CG22c 58a 58a 75

DF5BL (DM37d) wkd via Aurora on 144 MHz in CW:

820713
2124 SM6AEK GQ25b 53a 53a

820724
1757 G3NSM ZL14e 55a 55a

820807
1331 SM5CBN HS56c 55a 52a
1354 GM5CJF YR80j 55a 55a
1420 SM7DLZ IQ53h 55a 55a

820811
1829 GM5EHK/P ZR42h 55a 55a

820926
1504 F6ECI BI13h 55a 55a
1521 UR2RQT MS80e 59a 55a
1532 EI6AS WN59c 57a 55a
1546 F6GEO BK58e 55a 53a
1556 UC2AAB NN18c 52a 55a
1608 UC2ACA NN18d 52a 55a
1648 G3BW YO33g 57a 57a

1800 G3TGL ZM41f 54a 54a
1816 GM3JFG XR30b 51a 51a

1528 F8QP CG36f 55a 55a
1537 F6KBF BI01j 55a 55a
1543 GM4DJS YP11e 55a 55a

1909 SM7BEP HR24e 52a 52a

1654 I1RSQ DE20g 55a 55a
1701 I1BEP DE20g 51a 41a
1713 F6EBN BI12j 57a 55a
1727 F6BSJ CG24f 51a 51a
1812 SM4FPD GT47a 59a 57a
1849 GM4CXM XP09g 55a 55a
hrd: GM3JIJ, SM5CFS, GI4LKA.

tks fer info, dr Hannelore

DK1VI (EJ54f) wkd via Aurora on 144 MHz in CW:

820906
1519 DL8HBF EN26j 53a 58a 45
1522 DD1DA DL59c 59a 59a 45
1601 DC6RZ FM29e 55a --- 45
1610 PA3BGM DN61c 54a 52a 45
1613 DF5LS FO66j 52a 55a 45
1617 Y23SZ FK08c 55a 56a 45
1642 GM3WCS YO73c 53a --- 50

on 432MHz:
1535 DL3UZ FN04f 54a 41a 50
1540 DF5LQ EO50j 52a --- 50

1650 PA0FTF CK10e 55a 55a 50
1655 OZ3ZW FO18e 52a 53a 50
1726 DF7OG FM31j 53a --- 50
1731 G4HVC ZN68e 52a 53a 30
1738 G4KLN ZN23a 52a 53a 30
1745 G4PBP YM40a 53a --- 30
1808 G4ASR YM76d 53a 55a 30

1542 DJ6MB ? 41a --- 50
1556 DL7ZL GM47a 52a --- 50

tks fer info, dr Ernst

DL6NAA (FK69b) wkd via Aurora on 144 MHz in CW:

820616
SM5MIX HS, SM5QP GR, SM0DCX IT, SM6DLY GR, SL6AL HS, UR2RQT MS, SM5CHG HS.

820712
SM0DCX IT, SM5IXE IS, SM5CBN HS, SM6CCO HS, SM5MIX HS, GM3JFG XR, GM4OBD YR, SM6AEK GQ, UR2RQT MS, SK6HD GS, SM5CSK HS, SM7GEP HR.

820807
GM5EHK/P ZR, SM6ADW GS, OZ1CJF GP, SM7LMX IR, SK6HD GS, SM5IXE IS, SM7KNK, SM1BSA JR, LA9BM/OZ EQ, SM6AOO GR, G2CIW AL, GN5UM/A BL, DL3BAK EN, SM6CEN FR, GM4JEJ YQ, UA3LAW PO, OZ1FDH GP, G3VIP ZN, UP2BJB LP, RA3YCR RN, SM7FPZ HR.

DL6NAA (FK69b) contd.

820906
UB5WUL/P LI, UB5WCF/P LI, OK3AU KI, UR2EQ NT, YU7AR KF, 8B8R AM, UW3GU TP, Y21TC GN, OZ1FTU GP, SM6CEN FR, DF6LN FO, F6CTW BI, G3PBJ ZN, SM0LRN, YU3CA HG, DK2ZF, RA3LBK QP, DL6GAL EI, OZ1BBK, GM3RCS YQ, SM5HL IU, UQ2GLO KO, SK6OE FR, SM6LJP GS, GM5VTB XP, RR2TEJ NT, GI4GVF XO, SM5CFS JT, LA6VBA ES, G3UVR YN.

820907
OZ1FBZ FR, OZ3ZW FO, GM3WCS YQ, SM6CMU FR.

820926
UR2CQ MS, GM4CXP YP, OH1AA LU, OE3PU, SK7AX HR, G3TBK ZN, GI4BVS WO, LA6VBA ES, GM4JEJ YQ, UR2RQT MS, SM0JEW IT, OZ1BPO ER, OZ3GW FO, GM6PZ XQ, UR2QA NS, UR2RIW LS, LA2SN ES, SM4FXR HT, SM6LJP GS, SM6AOO GR, SM4AMP HT, OH2TI NU, LA3UL FT, LA2HC FT, LA0CX FT, SM6KRE GO, OZ1LOFP, GM3JIJ WS, RQ2GAG MQ, GM4ILS YR, GM8MDE YP, OZ1DPR EP, SM5CHK HS, SM6CMU FR.

tks fer info, dr Reinhold

DL7YS (GM46b) wkd via Aurora on 144 MHz in CW:

820926
1402 PA3AOC CL09c 57a 52a
1410 SM6AFH GQ25c 59a 56a
1423 PA3BBV CM66g 59a 57a
1535 SM6AOO GR41a 57a 55a

821001
2240 SM4COK HT56c 55a 53a

821013
1651 LA9BM EU32g 53a 52a ø
1655 SM5CFS JT24j 54a 52a ø
2212 SM0DCX IT70b 56a 56a 350

1539 F6CEL CJ41g 57a 55a
1611 PA0NIE/A CM64d 59a 57a
2023 SK7JD IR14f 59a 55a
2057 SM5AKU HT80f 58a 56a

2246 LA7KK FU62j 57a 55a

2231 LA8SJ FT05j 55a 54a 350
2239 LA8IB FT05j 52a 54a 345
2304 RQ2GAG M001g 55a 55a 340
2325 LA9BM EU32g 53a hrd ø

tks fer info, dr Peter

F6CER (BI34g) wkd via Aurora on 144 MHz in CW:

820712 1721 GM3ZXE YP35g 5 deg.
820828 0600-0900 3ø dB solar noise.

820906
1233-2132 big opening: 95 QSOs!
15*PA, 37*DL, 16*G, 4*Y2, 10*OK, 1*F, 1*OZ, 1*I, 2*YU, 1*HG, 1*ON, 2*GM, 1*GD, 1*GI, 1*GW, 1*SM
in
WO, XO, YL, YM, YU, YW, ZM, ZN, ZU, AL, AM, BJ, BK, CK, CL, CM, CN, DK, DL, DM, DN, EL, EM, EN, EO, FK, FL, FM, GF, GL, GM, GP, HI, HJ, HK, II, IJ, IK, JF, JH, JI, JJ, KI.

on 432 MHz:
1313 DF1OH EM 40deg 1316 PA0FRE CL 40deg. mci bcp pr info
1329 G4KGC ZM 30deg 1332 G4FUF AL 30deg.

F6DWG (BJ41j) wkd via Aurora on 144 MHz:

820222
1914 OZ4VV EQ17a 55a 55a
1941 GM4JJJ YQ73h 59a 59a

820301
1516 OZ1FGP EQ68a 51a 55a
1522 GW3LDH YN76g 57a 55a
1526 G3APY ZN74b 57a 58a
1529 G4DEE YN64d 59a 59a
1537 OZ3ZW FO18e 57a 57a
1545 OZ1BEF EQ66d 52a 55a
1550 GM3XOQ ? 53a 55a
2301 GM4CXM XP09g 59a 59a
2312 OZ1FGP EQ68a 55a 56a
2320 OZ4VV EQ17a 59a 59a

820302
0000 GM3JIJ WS69c 53a hrd
0110 GM8MBP YR60e 59a 59a S
0205 OZ6OL FP50e 57a 56a
0217 G8VHD ZN03j 59a 59a
0227 EI4AZ WP65c 58a 58a

820402
1559 GM8MBP YR60e 55a 56a
1622 GM4CXM XP09g 59a 59a
1624 GM4DJS YP11e 52a 52a

820410
1435 GM4EZJ YP05c 56a 56a
1441 GM3ZXE YQ35g 59a 59a
1444 OZ1FGP EQ68a 55a 55a
1450 SM6AEK GQ35b 54a 53a
1500 GM4BYF YP04d 59a 59a
1523 GI8UPV XQ31g 59a 59a
1537 EI6AS WN59c 53a 44a
1600 G4KLN ZN23a 55a 57a

820713
1644 G3TGL ZM41f 56a 57a
1646 OZ1FGP EQ68a 53a 52a
1803 G4KLX ZN73e 55a 56a
1810 OK2KZR/P IJ32j 55a 55a
1811 YU3ZV HG30d 55a 55a
1818 GW4EAI YL25f 55a 55a
1823 F6EQO YI13b 59a 59a
1826 G3VIP ZN40j 59a 59a
1845 EI2CA WM10a 52a 53a
1846 GD3ASV XQ67d 52a 55a
1856 OK2WEE JJ51g 52a 52a

820714
0000 SM5MIX HS66g 59a 55a
0018 EI3V WN59d 55a 55a
0027 UQ2GLO KQ49g 52a 52a
0035 G4ODA ZM20g 59a 59a
0107 UQ2GCG LP66c 52a 52a

1947 GM4IAO YR47h 51a 51a
1952 SM5CNQ HS46a 51a 52a
2033 GM4EZJ YP05c 54a 51a

2321 OZ1CLL GP23c 59a 59a
2326 G3AZI YN27a 59a 59a
2328 SM7LAD GP48a 55a 55a
2330 OZ1FDH GP22c 55a 55a
2335 OZ3GW FO21a 55a 55a
2337 G4IFX YN57j 53a 51a
2339 EI4CL WN60g 55a 57a
2342 OZ3ZW FO18e 59a 59a
2350 G4HUZ YP77d 59a 56a
2352 OZ1FW GP31b 55a 53a
2358 G4JJB ZQ34d 59a 58a

0233 GD3EYO XQ68e 53a 55a
0244 G4JHV YQ27d 51a 54a
0255 G3UVR YN55j 55a 55a
0303 OZ1EKI EP49h 52a 52a
1319 GM3WCS YQ73c 59a 59a
1330 GM4JCJ YQ38g 52a 52a

1627 G4LCE ZQ24e 52a 51a
1634 OZ1FTU GP23h 52a 52a
1644 OZ5TG EP05g 52a 51a
1716 GM4JEJ YQ38g 53a 53a

1607 GW3LDH YN76g 55a 54a
1624 UP2BJB LP06d 54a 55a
1625 GM4JCM YQ45b 59a 58a
1628 DL9LF FO61a 53a 52a
1631 DJ9YE EN14a 59a 56a
1643 DF2ZC/P EO29a 59a 54a
1643 OZ9FW GP31b 53a 55a
1646 OZ1EYX GQ73h 55a 54a
1829 GM4IAO YR47h 59a 54a

1919 SM6AEK GQ25b 54a 54a
1940 GW3CBY YL31h 52a 54a
1943 DF8LC FL03a 55a 54a
1945 OZ6OL FP50e 54a 54a
1954 DK0IK EN40c 54a 55a
2000 GW4LXO YL34d 55a 55a
2002 GW3NYY XL40b 59a 58a
2004 G3BHW AL47d 52a 53a
2006 PA0CIS CM15h 53a 42a
2343 OK2BFH JJ13b 55a 55a
2348 OZ9KT/A EP59h 59a 57a

0112 SM7DLZ IO53h 59a 59a
0115 SM7FJE GO56d 55a 55a
0121 G4DEZ AL35g 59a 55a
0134 GD3YEO XQ68e 59a 59a
0137 UP2BJB LP06d 59a 59a

F6DWG (BJ41j) contd.

820714
0140 SM6AFH GQ25c 52a 55a
0145 GM4COX YP21j 59a 59a
0155 OZ1DQO GP34h 55a 57a
0157 SM6CMU FR50b 56a 57a
0205 RR2RBD MS53a 52a hrd

820807
1321 GM5EHK/P ZR42h 55a 55a
1356 GM8EOG YQ36c 56a 53a
1512 GM3WCS YQ73c 52a 55a
1425 EI6AS WN59c 51a 55a
1506 OZ3ZW FO18e 55a hrd
1508 DK2AR EM79a 55a 59a

820811
1712 GM5EHK/P ZR42h 59a 55a
1715 GM5ENZ/P WQ49j 59a 55a

820906
1148 OZ1FGP EQ68a 55a 55a
1155 GM4LHA XP29b 52a 55a
1221 PA3CEF DN74a 55a 55a
1225 DK0TU GM37e 59a 55a
1229 PA0AWI CL02f 55a 55a
1232 OZ1EYE FQ41h 55a 59a
1243 SM7ANH GO69c 55a 55a
1251 G1BYDZ WP67b 59a 59a
1257 DH3AAB FM31h 59a 59a
1302 OZ1ELF EP49h 59a 59a
1306 OK1KGS HK63f 52a 57a
1308 OZ1BIZ GP42g 57a 59a
1309 OZ1FTU GP23h 57a 57a
1310 OZ1FDJ GP23h 57a 56a
1312 GW3LDH YN76g 59a 59a
1314 Y79ZL HK04h 53a 56a
1316 OK1WEE JJ51g 52a 57a
1320 DL5AT FM62e 55a 55a
1326 DL9XX EN75a 59a 59a
1328 DK2ZF DN38a 59a 59a
1336 DK5RQ GI24j 52a 55a
1343 F6CER BI34g 59a 59a
1345 DL9HAZ EN14a 59a 57a
1357 OZ1FAO GP22a 55a 55a
1359 OZ4MM FP54a 59a 59a
1410 DL1CF EM70d 59a 57a
1415 YZ3SJ FK08c 59a 57a
1417 OK1HAG/P HI03a 59a 59a
1418 YZ1QI FL53c 52a 59a
1421 YU1EU KE13h 53a 55a
1424 YU7EW KF24f 52a 55a
1425 YU7BCX KF24f 55a 55a
1428 HG0DG KH39f 55a 56a
1433 YU2SZZ IG54f 52a 55a
1436 HG5EA JH56a 51a 52a
1441 YU7AR KF01c 59a 55a

0231 RC2WBR NP75g 55a 59a
0255 SM0BCX IT70b 54a 42a
0259 OZ1EYX GQ73h 51a 55a
0305 GW3GSS YN75j 57a 55a
0326 SM5MS HS66g 51a hrd

1511 GM4CXP YP37c 59a 59a
1530 LA1EKO BQ37g 59a 59a
1539 OZ1DQQ/P FP08d 55a 54a
1548 UC2AOA ON13c 52a 33a
1556 UP2OCK NP52a 55a 55a
1558 UP2BEA NP52a 55a 56a
1600 UP2BDZ NP52a 56a 56a

1722 GM4KUX/P WR48e 59a 55a
1737 LA9BM/OZ EQ16c 52a 52a
1759 GM3EHM/P YQ09b 59a 59a

1446 Y22TO/P GM38f 52a 55a
1451 OK1MWD HK47c 55a 55a
1453 OK1MGW HK70h 55a 57a
1501 DK3UZ EN20c 59a 59a
1518 OK3AU KI27h 52a 55a
1520 F6CTW BI12f 59a 59a
1522 HG0HO KH19a 55a 55a
1532 Y24BO/P GM49j 52a 57a
1536 Y24QO GM49f 55a 55a
1548 OK1DKM HK73b 52a 55a
1559 DF7KX Dk11d 55a 55a
1601 GM3WCS YQ73c 55a 55a
1603 DF5DE EN02h 59a 59a
1604 DL5BAC EN75g 52a 52a
1623 SM7WT GP27e 55a 56a
1625 OZ1LO FP80h 52a 55a
1629 OK1BRD ? 52a 52a
1641 DK7LZ DK13h 59a 55a
1643 DK2DO EN09c 57a 57a
1645 DL6BF DM57c 57a 56a
1646 DK2PR EM79a 56a 59a
1647 DL8BBN EN75j 54a 55a
1650 DJ9MH FK62h 53a 52a
1652 DK9CK EO59g 52a 54a
1654 DK3FW EM69b 59a 59a
1656 GM3VTB XP09j 59a 59a
1659 OZ3GW FP21a 53a 55a
1701 G4CJG ZQ21a 59a 55a
1702 SM6AFH GQ25c 51a 55a
1703 EI9BG VM27c 51a 52a
1709 G3JRM AM49a 51a 51a
1715 YZ4XR GK ? 52a 51a
1720 DL4YBG EL04f 54a 55a
1722 UP2BKH KP27j 52a 59a
1725 SM6EOC GQ25f 52a 55a
1728 UP2BJB LP06d 55a 56a

F6DWG (BJ41j) contd.

820906

1739 EI4CL	WN60g	52a	52a	1823 G3AZI	YN27a	59a	59a
1742 G4HOZ	YP77d	55a	55a	1824 G3PEJ	ZO58d	53a	53a
1748 UQ2GLO	KQ49d	52a	53a	1829 G4HUP	YM10h	53a	52a
1753 DF7BM	EM62d	52a	52a	1830 GW3WYY	XL40b	55a	55a
1821 GD3YEO	XO68e	52a	55a	2243 DJ1KW	EJ02f	41a	41a

mci bcp pr info, cher Marc

F6ETI (YH24c) wkd via Aurora on 144 MHz in CW:

820724

1845 G3TGL	ZK41f	52a	43a 45	1855 G3WOH	YN47f	52a	53a 35
1850 G3UVR	YN55j	54a	53a 45	1912 SM7FJE	GO56b	52a	31a 25
1853 G3AZI	YN27a	52a	53a 35	1916 OZ6QL	FP50e	62a	52a 25

820807

1511 G5KG	ZN76g	52a	55a 35	1536 EI9BG	VM27c	55a	57a 30
1514 PA3AIZ	CM72g	51a	54a 35	1542 G3JRM	AM49a	51a	51a 30
1516 G3KJY	YN10g	52a	58a 35	1544 G3ZXZ	ZN23f	52a	53a 30

mci bcp pr info

G3CHN (YK61b) wkd via Aurora on 144 MHz in CW:

820206

1801 SM4GVF	HT76a	53a	53a 25				
1814 GM4JJJ	YO73h	53a	53a 25				
820214							
1803 GM3JIJ	WS69c	59a	59a 20				
820527							
1729 GM6CFN	XR30g	55a	55a 25 S	820528			
1751 GM8OEG	YQ35e	58a	58a 25 S	1550 GM6CFN	XR30g	51a	hrd 30 S
820610							
1615 GM3WCS	YO73c	56a	hrd 30	1622 GI8YDZ	WP67b	57a	hrd 30 S
1616 GM3JFG	XR30b	57a	hrd 30	1629 GM4JEJ	YQ38g	57a	hrd 30
820611							
1736 GM4IAS	YR	58a	hrd 35	1820 GM4EZJ	YP05c	56a	54a 35
1741 SM5MIX	HS66g	54a	53a 35	1829 G8PNN	ZP52a	56a	58a 35 S
1759 GM4JCM	YO45b	56a	56a 35	1838 GI4BVS	XO21b	57a	57a 30
1810 SM7DLZ	IO53h	55a	53a 35	1850 GM4IPK	YP05h	55a	55a 35
820711							
1520 GM4ILG/P	YO11g	55a	55a 25				
820713				2015 G4DCV	AK12f	53a	53a 30
2004 DF7KF	DK04e	54a	54a 40	2026 F6FLB	AK10d	53a	53a 30
2007 OK1OAE	HK	53a	51a 40	2036 EA1OJ	VD59h	41a	51a 45
2009 Y22ME	HM53a	55a	55a 40	2330 DL9AAA	EL19j	55a	55a 40
2010 DL9MCC	GH21a	55a	53a 40	2350 OK1AFH	IK51b	59a	59a 50
820714							
0031 DL5FT	EK08f	53a	53a 50	0040 OK2BFH	JJ13b	53a	53a 50
820807				1503 DL2BBK	EM13f	53a	53a 60
1358 GM3JIJ	WS69c	57a	57a 30	1546 UT5DL	LI15g	55a	59a 60
1408 GM8MBP	YR64e	59a	59a 30 S,	1555 F6FLB/P	AK09c	54a	55a 60
1444 GM8HVB	XQ60c	54a	54a 30 S	tks for info, dr Roger			

G4IGO (YL38f) wkd via Aurora on 144 MHz in CW:

820527 1430-1800 hrd GM3WCS, GM4ICS, GM6CFN, GM4JLY, GM3JIJ, GM8OEG, GM3JFG, all @ 30deg.

820610 1449-1640 all @ 25deg.
1524 GM3JFG XR30b 58a 55a 25
hrd GM3WCS, GM6CFN, GI8YDZ, GM8OEG, SM4MIX (HS66g), GM4JEJ, SM4IVE, SM7DLZ (IQ) 45deg., G3POI 45deg., G4ITR 45deg., GM4CXP, GM4JLD.

820612 1716-1943 all @ 25deg.
1738 GM4DJS YP11e 53a 53a 25
hrd GM3ZXE, GM4IPK, GM4JCM, GM8MBP, SM5MIX, GM4MOX, GM4IAO, GI4GVS, GD3YEO, GM4JEJ, GM3WCS, GM4ILS, GM4EZJ, GM8MBP, GM4JLY, GI8YDZ. @ 45deg: G3UVR, SM7DLZ, PA2VST, PA0OOM, G3IMV, PA0FHG.
2314-0015 @ 20deg.
hrd GM3JIJ, GM3ZXE, GM4ILS, LA8SJ (FT).

820712 1437-1835 @ 30 & 50deg.
1526 SM5AKU HT70f 53a 54a
1540 SM0DCX IF70b 55a 55a
1612 GM4CXM XP09g 55a 54a
hrd GM3JFG, SM7GEP (HR), SM4IVE, GI4GVS, GW4HBR, GM4OBD, SM5MIX, GM4JCM, GM3YDX, G4ASR, G4GUS, GM4JJJ, GM3ZXE, GI4LKA, GM4IAO, G4KLN, SM7AEK, GM3WOH, GM3JIJ, GM4ILS.

820713 1659-2015 @ 70 & 45deg.
1659-1750 only hrd GM, G, GW, GI,PA.

1754 Y22ME	HM53a	55a	54a 45	1925 DL4NAA	EJ06b	51a	43a 70
1801 ON4YZ	CK53a	55a	57a 45	1928 YU3ES	GF39d	41a	? 70
1805 DJ9CZ	DL71a	59a	58a 45	1936 HG0HD	KH10a	44a	55a 70
1809 DK8VS	DJ66h	58a	56a 45	1943 DL4NAA	EJ06a	56a	55a 70
1827 DF3RL	FJ50h	53a	55a 45	1945 F6HPP/P	ZG21d	53a	55a 70
1831 DF5KE	DK25a	56a	53a 45	1952 HG0HO	KH18a	44a	55a 70
1833 DK7KC	DL63e	58a	56a 45	2000 OE6WIG	HG29b	41a	51a 70
1836 PA2BXM	?	44a	? 45	hrd also I1KTC (EF)			
1839 DK7UT	?	56a	? 70	2155-2205 @ 50deg. hrd only EI6AS			
1841 PA3BXM	CL38a	57a	? 70	2333 OK1AFN	IK51g	57a	59a 70
1853 EI9BG	VM27c	55a	55a 70	2335 PE0MCE	CM44f	59a	59a 70
1914 F6HCK	CG32a	55a	55a 70	2342 DL8HAV	EN20e	56a	59a 70
1918 HB1YA	IH63b	44a	55a 70	2358 I1BEP	DE20g	52a	55a 70
820714				0152 PA3BJN	CL28d	52a	53a 70
0021 DL2KBB	Dk11b	58a	57a 70	0156 UP2BJB	LP06g	55a	59a 50
0029 OK2SBL	JJ24j	55a	57a 70	0200 UQ2CG	LR66c	57a	57a 50
0032 OL7BDQ	JJ24j	55a	55a 70	0208 UQ2GLO	KQ49g	57a	57a 50
0036 ON4AUD	CK18g	52a	51a 70	0213 SM6AEK	GO25b	56a	56a 50
0101 DJ5BV	DK26b	59a	59a 70	0224 UQ2GAJ	LQ06b	56a	57a 50
0111 OZ1FGP	EQ67a	54a	55a 50	0233 OK2STK	JJ12d	54a	55a 70
0115 SM7DLZ	IO53h	59a	57a 50	0237 SM0HAX	JT51d	54a	54a 50
0124 OK2KZR/P	?	52a	--- 50	0247 OZ6OL	FP50e	58a	58a 50
0132 SM7FJE	GO56d	55a	53a 50	0252 SM4IVE	HT68d	57a	57a 50
0133 OK2BFH	JJ24b	55a	56a 70	hrd PA0RDY, PA2VST, F1CCC, YU3ES, & G4IAU.			
0139 DL9AAB	EL19j	56a	56a 70				
820811				1831 GM5EHK/P	ZR42h	54a	55a 25
1828 GM4KUX/P	WR48e	56a	55a 25	1838 GM5ENZ/P	WQ49j	55a	54a 25

DF3EE (DL75b) wkd via Aurora on 432 MHz in CW:

820807							
1412 GM4JLY	YR	51a 51a	15	1520 F1BEG/P	BJ	58a 59a	50
1430 OZ7LX	FP	52a 51a	40	1530 OZ2OE	EP	58a 59a	32
1447 DF5LQ	EO	54a 55a	40	1538 G3WDG	ZM	52a 52a	42
1452 G3LTF	AL	55a 55a	40	1552 G3UBX	YM	52a 55a	38
1455 PA0FRE	CL	57a 55a	40	1601 OZ7IS	GP	53a 51a	30

hrd DL7QY, DF1DH, DK5AI.

tks fer info

G8MFJ (ZN42g) wkd via Aurora on 144 MHz in SSB:

820416				1634 PE1DTP	DN63b	54a 52a	40
1556 GI4CZO/P	WØ04a	55a 56a	30	1716 GWØYUJ	XN59c	56a 57a	10
1606 GMØBKE	XF09f	58a 58a	30	1742 GIØYMV	XO11b	52a 53a	25
1625 DDØOZ	FN21g	41a 53a	40	1747 GMØOFV	YPØ5g	59a 56a	25
1623 DC4LM	EN06j	51a 51a	40	1834 G4LAA	YO07j	58a 58a	30
820713							
1759 GI6CZI	XO31j	53a 57a	15	1819 G6AIZ	YN60f	54a 55a	30
1802 G4LWG	YN10g	56a 55a	30	1941 DG8DR	DL67b	52a 57a	60
1805 G6BNG	ZN04a	51a 54a	30	1954 OK1MBS	HK48a	57a 56a	30

tks fer info

OZ1ASL (FO18c) wkd via Aurora on 144 MHz in CW:

820711 GM3XOO/A ZT04d 55a 55a 15

820712							
???? GM3JFG	XR30b	55a 55a	350	???? UR2RQT	MS80e	59a 59a	350
820807				???? LA3EU	DW41a	51a 55a	Ø
???? LA2PT	FT13b	57a 59a	Ø	???? RR2RBD	MS53a	55a 58a	45
820811				???? SM1BSA	JR34a	54a 49a	345
???? GM4IGS/P	YI75h	54a 55a	345	???? GMØEHK/P	IR42h	57a 56a	345

tks fer info, dr Paul

OZ2ZB (EO36a) wkd via Aurora on 144 MHz in CW:

820502 ???? OH4UC	NV17a	53a 57a	10				
820503 1327 OH6CW	MW70h	52a 44a	30				
820527							
1406 OH2BBF	LT15b	55a 57a	30	1436 LA7KK	FU63j	57a 59a	30

OZ2ZB (EO36a) contd.

820528 1506 LA9FY	EU36j	51a 53a	30				
820610 1535 GM3WCS	YQ73c	55a 57a					
820807							
1526 OE3LFD	II55a	55a 57a	30 S	1535 DF9RJ	GI13j	58a 59a	35
820904				1544 LA1GCA	CU38e	55a 55a	30
1454 OH1AYD	LW76f	53a 55a	30	2118 LA1K	FJ42c	55a 56a	20
820906							
0740 GM3XOO	ZT04j	53a 55a	20	1257 OE4OPB	IH13h	53a 59a	60
1134 SMØFSK	IT50c	53a 53a	20	1411 Y22SA	GN06b	57a 55a	60
1210 DJ6UZ	DM55e	57a 55a	55 S	1447 UR2RKI	MT74d	53a 57a	60
820907							
1242 LA9UX	FU76f	55a 55a	55	1245 SM5KXX	IT33a	55a 56a	55

820926 1817 UR2RKI MT74d 57a 58a 60 S

tks fer info, dr Knud

OZ3ZW (FO18e) wkd via Aurora on 144 MHz in CW:

820610				1605 SMØDCX	IT60b	55a 55a	335
1533 GM3JCS	YQ73c	55a 55a	25	1611 LA6CU	CU47j	55a 53a	350
1550 LA6OBA	FT05c	53a 52a	25	1616 UR2RQT	MS80e	55a 57a	340
820612				1635 SM5EFP	HT50e	56a 57a	30
1542 LA8KV	FW27c	55a 56a	30	1638 OH3TE/P	NV40f	51a 57a	30
1549 OH1ZAA	KV38h	55a 55a	25	1647 LA2DK	EU23d	55a 55a	30
1555 OH5IY	NU03d	58a 58a	20	1650 LA1GCA	CU38e	53a 55a	30
1558 OH6CY	MW70h	55a 55a	25	1720 SMØMEM	JT51d	53a 53a	40
1602 LA2R7	CU37f	51a 53a	15	1727 UR2RQT	MS80e	53a 55a	40
1606 SM5BKA	IT70a	55a 54a	30	1735 UQ2NX	MR43f	52a 55a	15
1608 OH3RW	MU24b	56a 59a	30	1740 SMØKCR	JT41j	55a 55a	15
1611 LA3GU	FT12g	52a 52a	30	1745 SMØNCS	IT60b	52a 53a	10
1614 OH2BCI	LU40c	53a 58a	30	1749 DF6LN	FO51f	53a 55a	340
1617 SM3KIF	IU33a	59a 59a	30	1757 LA6OJ	CS30g	53a 53a	45
1620 OH7PI	NW60d	56a 57a	30	1802 G3BR?	YP10d	52a ???	45
1632 SK7GC	HS76f	55a 57a	45	1820 PAØOOM	DN54b	55a 56a	Ø

820612 1823 DF7VX EL24c 53a 51a 340

820711							
1607 SM5CFS	JT24j	53a 54a	Ø	1626 OH1AJ	LU41c	52a 53a	Ø
1611 LA1GCA	CU38e	53a 55a	Ø	1645 GM3XOO/A	ZT04d	57a 56a	10
1616 OH3ZS	MU17b	53a 54a	Ø	1659 LA3UU	FT12d	55a 52a	10
820712				1640 SM4MI	GT38e	55a 55a	350
1556 SM4HJ	HT51c	54a 55a	10	1643 SMØDCX	IT70e	55a 55a	345
1600 SM5AKU	HT80f	56a 55a	Ø	1722 RQ2GAG	MØØ1b	53a 55a	345

OZ3ZW (FO18e) contd.

820926

1324	OH1AA	LU42f	59a	59a	350	1600	OK1MAC?	?????	52a	55a	80
1327	UP2BKH	KP27j	59a	59a	350	1603	F9FT	CJ51f	55a	55a	80
1351	OK3TJK	II46b	56a	57a	65	1606	DL4NAA	EJ06a	59a	59a	60
1357	HG8CE	KG32c	53a	55a	80	1607	DL1CF	EM70d	56a	57a	60
1400	OK3AU	KI27h	57a	57a	80	1609	DJ9MH	FK62h	55a	53a	60
1403	OK3TBY	II58b	54a	57a	80	1612	DJ6RX	DJ02g	55a	55a	60
1411	HB9QQ	EH45e	59a	59a	80	1618	DJ7QK	FI60h	55a	52a	45
1413	OK3KFF	II66b	57a	59a	80	1621	DJ2YE	DL55d	53a	55a	45
1418	OK1MG	HK71a	57a	57a	80	1626	OH1AA	LU42f	59a	59a	350
1420	YU3ACA	HF25c	59a	59a	80	1632	F6GCT	BI16j	53a	55a	0
1424	OK2JIO	IJ05c	53a	55a	80	1635	UR2RQT	MS80e	56a	59a	0
1502	HG1YA	IH?6?	57a	55a	80	1638	ON5EX	BK09h	59a	59a	0
1503	OK2BDS	HJ70g	56a	55a	80	1643	GM4CXP	YP37c	53a	55a	10
1507	OK1SC/P	HK50h	57a	57a	80	1655	HG1W	IH53?	54a	57a	60
1533	Y42JK	FK12c	58a	55a	80	1701	F8ZW	DI28d	55a	55a	45
1535	OK1DKM	HK73b	55a	59a	80	1748	F6DWG	BJ21j	53a	54a	20
1540	DL9ZAD	EJ05h	53a	53a	80	1751	PARLS	CM53d	55a	55a	20
1545	OK1FAV	GK65f	55a	59a	80	1754	F6CEL	CJ???	52a	52a	30
1551	DL8ZAJ	EK65e	53a	55a	80	1805	SP5CIC/SM0	JT61e	53a	55a	30
1553	DL4RBK	FJ50g	52a	55a	80	1811	LA8UU	FT06h	55a	55a	10
1557	OE3HGW	II21f	55a	57a	80	1818	GM4FZH	YS33d	52a	51a	0

820926 1834 EI9BG VM27c 53a 55a 335

tks fer info, dr Torben

OZ4VV (EO17a) wkd via Aurora on 144 MHz in CW:

811022

1642	SP7CNL	JL27e	55a	55a	60	1717	OL6BAB/P	IJ54b	52a	55a	60
1645	DF3RU	FJ49j	58a	55a	60	1720	SP9DSD	JK55e	54a	55a	60
1651	SP3GCL	IM45e	54a	58a	60	1728	OK1IDK/P	GJ28h	57a	53a	60
1654	SP9AI	JJ16b	57a	57a	60	1729	OK2STK	JJ12d	54a	55a	60
1704	RQ26GS	LQ06b	54a	58a	45	1737	UQ2GIO	KQ49b	56a	55a	60
1710	OK2VIL/P	JJ33b	59a	58a	60	1923	DF1ZE	EJ13e	52a	51a	60
1713	OK3TBY	II58b	56a	56a	60	2014	GM3ZBE	YR59j	52a	53a	60
1715	OK2VMD/P	IJ54b	52a	55a	60	2111	OK2KAU/P	JJ33b	55a	55a	60

811024

1345	SK4MPI	HU	51a	B	45	1610	OH6VHF	KW	52a	B	30
						2200	SK4MPI	HU	53a	B	45

811030

1438	SK4MPI	HU	52a	B	45	811107					
						1557	LA5MK	FX34b	55a	56a	30

811111

1700	SM3IZB	JX54e	51a	53a	10	1801	OH7RJ	NW09f	52a	42a	20
1727	UR20A	NS73a	55a	55a	20	1930	SM3GXM	HX63h	53a	43a	15
1731	GM4COK	YP21j	54a	52a	0	2053	GM4JEJ	YQ38g	55a	55a	30
						2059	UK2RDX	MT35g	55a	57a	30

811114

1500	UP2BJB	LP04d	54a	54a	15	1505	UR2RQT	MS80e	57a	56a	15
						1508	LA4ZC	DW41a	55a	55a	15

OZ3ZW (FO18e) contd.

820713

1836	SM7AED	GP56b	55a	55a	0	1910	OK1DPB	HK73f	52a	53a	300
1840	PA0PKD	DN64h	55a	55a	290	1924	DF1CF	FN23j	54a	55a	280
1846	Y22HG	FL06b	55a	56a	290	1932	DJ4AX	DL47b	54a	51a	290
1848	Y41VL	GL79e	55a	56a	290	1949	DJ1BZ	EI16d	53a	51a	280

820802

						2059	SK4BX	HT67h	57a	55a	25
2034	SM3KIF	IU33a	51a	55a	20	2200	OH1DPA	LU42j	56a	55a	30

820807

						1455	DL4FAK	EJ24h	55a	52a	50
0051	GM3XOO	ZI04j	55a	55a	350	1458	DL3NAZ	EJ06j	55a	55a	50
1216	SP5CIC/SM0	JT51e	55a	56a	20	1503	UA3YBL	ON27e	57a	59a	50
1248	OH1AA	KU19b	59a	59a	20	1510	UA2FCH	KO80h	55a	55a	50
1251	UQ2GCZ	KR80j	59a	59a	20	1512	UA3YCR	RM62b	57a	57a	50
1258	GM5EHK/P	ZR42h	59a	55a	15	1516	OK1KRU/P	HJ17e	56a	55a	50
1304	UQ2GAJ	LR66b	59a	58a	50	1520	OK1KNB/P	HI01h	52a	55a	50
1312	UR2RMC	NS63a	55a	55a	45	1523	ON7YD	CL77e	52a	55a	50
1321	SM4BNZ	HS15c	55a	57a	25	1531	OK1KPU	?????	52a	56a	50
1341	PA2VST	CM25j	53a	54a	25	1533	DL8OE	DM61j	55a	59a	50
1409	UA3NAU	PO09c	55a	53a	20	1536	OK1VK	HJ03g	53a	57a	50
1414	UA3NBI	PO09c	55a	55a	20	1552	OK1KRY/P	GJ19j	55a	57a	60
1418	UA3OG/A	PO09c	55a	55a	20	1557	OK1MWI	IK32a	53a	55a	70
1426	DF6NA	EJ20d	55a	55a	20	1559	OK1KPA/P	HJ19e	54a	59a	70
1430	G4DCV	AL67d	53a	53a	20	1600	OK1OA/P	GK45?	57a	59a	70
1433	PA3AAN	CL48b	55a	55a	20	1601	HG1KYY	IH53a	55a	57a	70
1435	DL1KD	EK74d	56a	55a	20	1611	HG1W/P	IH63c	54a	55a	80
1437	DK2DO	EK09c	54a	55a	20	1614	OK1KOK/P	IK??a	52a	57a	80
1450	UA3LBQ	OO21h	55a	55a	20	1619	UK5LCG	TK71a	55a	53a	80

820811

1617	LA2PT	FT???	56a	55a	20	1648	GM5EHK/P	ZR42h	57a	55a	20
1627	GM4IGS/P	YT75j	52a	51a	350	1757	OK1AXH/P	HK29b	559	53a	30

820905

1515	SM0HAX	JT51b	52a	53a	45	1526	OH1DP	LU42j	52a	52a	15

820906

						1647	DK3IK	DJ55f	53a	51a	15
1532	HG1ZM	HG51e	55a	55a	45	1649	DK1HO	EJ04b	51a	52a	15
1543	HG1KZC	IG15j	55a	57a	50	1651	DL1MF	GH12a	55a	55a	15
1546	DL4NAA	EJ06a	55a	59a	50	1654	DK1VI	EJ54f	52a	52a	15
1621	DL5YBZ	DL06c	53a	52a	15	1656	DK2ZT	DK36j	51a	52a	15
1625	DJ5VQ	DJ08a	52a	52a	45	1716	OK2TU	IJ13e	56a	57a	320
1627	DL5NAZ	FK59g	53a	54a	45	1720	G4ASR	YM70d	53a	52a	320
1635	G4CJB	ZO21b	55a	55a	0	1725	OK1DKM	HK73b	53a	59a	320
1638	DK5ZO	EK14b	53a	55a	0	1728	OK2BSH/P	IJ19d	51a	55a	320
1640	ON7QP	CL63a	52a	54a	10	1746	UP2BJB	LP06b	59a	59a	340
1645	ON6KD	CL61f	52a	53a	15	1821	DK1PZ	EL59b	54a	52a	315

820907

1404	SM5AYY	HS39e	53a	53a	45	1737	DL6NAA	FK69b	55a	55a	45
1724	G4ISM	AL56h	53a	55a	0	1801	SK4BX	HT67h	55a	55a	335
1727	LA1OY	FT06h	53a	52a	0	1804	LA6CU	CU47j	55a	53a	340
1733	PA0OOM	DN54g	59a	55a	20	1813	OH2AI/OH0	JU50f	57a	55a	340

811117
1436 UR2EQ NT61c 52a 54a 15 | 1728 G3UNU ZM04c 55a 53a 15
1642 UR2RMN LS05c 53a 55a 45 | 1838 DJ9CX DL71a 54a 54a 30
1657 UR2RFX MT31e 41a 55a 15 | 2220 LA47C DW41a 54a 55a 30

811118
1607 LA5MK FX43g 57a 56a 15 | 1700 LA1K FX42c 56a 55a 15

811121 1800 LA6QBA/P GV71h 53a 53a 30

811123
1630 UA3MBJ SS78e 41a 60 | 1657 UA3LBO QQ21h 54a 55a 60
1704 UQ2GIO KQ49g 55a 55a 60

811212
1413 LA3UU/P FV64e 59a 58a 15 | 1444 LA47C DW41a 58a 58a 15

820131
1423 UQ2GAJ LQ06b 55a 55a 60 | 1642 UQ2GFZ NR57a 53a 44a 60
1500 GM4FZH YS33d 53a 51a 30 | 1712 UR2RIW LS02e 54a 57a 60
1820 G3POI AL51g 53a 54a 15

820201
1923 DJ3TF FJ50g 53a 44a 30 | 1936 Y22HG FL06g 55a 53a Ø
1927 DK8VR DJ55c 59a 55a 30 | 1941 GM3XOO XP37a 54a 54a Ø
1930 F6DWG BJ41j 55a 55a Ø | 1947 GI4GVS XO21b 54a 53a Ø
1955 DJ5DT EJØ3 52a 53a Ø

820202
1804 SK7JD IR14f 57a 57a 45 | 2046 SM5DFF IS31c 55a 57a 30

820202
820205 1644 SM3HAS IX79d 55a 55a 30

820206
1546 OH6PA KW47a 54a 44a 30 | 1659 UQ2GFZ NR57a 55a 55a 30
1630 GM3JIJ WS69c 57a 59a 345 | 1853 F6GJU Bk26f 56a Ø
1654 GM6ALC XO77e 58a 57a 315 S | 2145 LA5EK ET29g 53a 55a 330

820210
1400 GB3LER ZU65f 53a B 30 | 1530 RF2BFG KP27j 53a 55a 60
1507 UR2RIW LS02e 55a 57a 50 | 1548 SM3MKP IV66c 58a 55a 30
1511 RQ2GGV LR74e 54a 55a 60 | 1622 DK8ZB EJØ5g 55a 55a Ø

820211
1442 OH1DM KV50h 57a 57a 30 | 1550 OH1KA KV50h 52a 57a 30
1450 UP2BFR LP20b 52a 53a 60 | 2300 UR2GZ MS04b 53a 55a 30
1536 GM4CXM XP09g 53a 53a 15 | 2346 UQ2GAJ LQ06b 57a 55a 60

820213
1521 DJ9CZ DL71a 52a 53a 50 | 1644 LA7DV ET37j 59a 56a 40

820214
1759 OZ1FDJ/LA FV32j 55a 55a 15 | 1914 DJ1BZ EI36d 54a 54a 50
1918 DL0AY DK11e 53a 54a 50

820217
1610 OH6PA KW47a 53a 52a 30 | 1617 SM3KJO JW02a 57a 57a 30
1650 LA1AL EX56j 59a 52a 15

820219 2313 SM3GHD GW70e 57a 58a Ø

820222
1750 UR2QA NS73a 55a 57a 30 | 1914 F6DWG BJ41j 55a 55a 330
1910 F6EQO DI39c 57a 52a 330 | 1933 LA9QI EV75b 55a 55a 30
2220 UQ2GFZ NR57a 52a 33a 45

820301
1420 LA8KV FW27c 52a 52a 15 | 1522 SM3IZB JX54e 54a 57a 45
1501 UP2BFR LP29b 55a 57a 60 | 1537 OK1VKC/P HJØ7a 59a 59a 60
1504 OK1GA HJØ7a 55a 57a 60 | 1541 UA3LBO QQ21h 55a 55a 60
1507 OK2BFH JJ13b 57a 57a 60 | 1547 UR2RMN LS05c 55a 55a 60
1509 UR2RER MT54h 54a 57a 60 | 1550 OK2KZR/P IJ32j 53a 57a 60
1511 UC2ABN NN18e 54a 56a 60 | 1553 DF1CF FH23j 52a 55a 60
1513 OK2STK JJ12d 53a 55a 60 | 2330 F6EQG DI39c 57a 57a Ø
1518 UP2CH LP07f 55a 55a 60 | 2342 RA3YCR RN52f 55a 57a 60

820302
0034 UK3AAC SP19e 54a 55a 60 | 1311 RQ2GGV LR74e 54a 57a 60
0040 RA3AGS SP 55a 60 | 1434 SM3JGG/3 HV70h 55a 55a 45
0055 UA3LBO QQ21h 59a 59a 60 | 1528 DL6NAA FK58d 54a 51a 60
0115 GD3YEO XO68e 53a 55a 30 | 1531 DLØWW EJ33h 55a 53a 60
0133 OK8BAA JJ13b 55a 55a 60 | 1534 DJ5DT EJØ4e 57a 57a 60
1245 OK2LG II24b 54a 59a 60 | 1535 DKØAD EJ14h 52a 53a 60

820403
1345 OH1PS LU46d 54a 55a 45 | 1413 OHØRJ JU80b 51a 57a 45
1354 SM3KJO JW02a 53a 56a 45 | 1415 UA3LAW PD 52a 60
1412 UP2BJB LP06d 54a 54a 45 | 1617 OK1KRQ GJ28h 53a 52a 60

820410
1334 OH6MY KX57a 53a 55a 10 | 1612 DF3RU FJ49j 59a 59a 60
1440 UC2ABN NN18e 53a 55a 60 | 1634 F6FLB AK10h 55a 57a 15
1446 UP2AN MO47b 55a 57a 60 | 1715 UA3MBJ SS78e 54a 60
1450 UP2CG MO27g 55a 57a 60 | 2208 RQ2GPV ????? 54a 55a 60
1507 OK2DJT JJ51f 55a 55a 60 | 2214 DL3NAZ EJØ6j 58a 55a 60
1539 OK2SBL JJ24j 55a 57a 60 | 2215 DK1HO EJØ4b 54a 54a 60

820411 1537 SM3GXM HX63h 53a 55a 15

820502
1523 OH3MB MV63c 53a 53a 30 | 1525 OH4UC NV17a 54a 55a 30
1700 DKØIK/P DO70j 59a 59a 60

820610
1455 SM3FVW JX72f 53a 53a 30 | 1515 UA3MBJ SS78e 54a 60
1527 RQ2GAG MO01g 52a 57a 60

820612
1545 LA3EU DW41a 55a 57a 30 | 1556 OH6MY KX57a 55a 44a 30
1550 OH6CY MW70h 54a 55a 30 | 1605 OH7RJ NWØ9f 55a 55a 30
1612 OH7UE DW40h 51a 15

820711 1530 GM3XOO ZI04d 57a 57a 30

820712
1402 OH6PA KW47a 53a 55a 45 | 1554 DF3RL FJ50h 57a 55a 60

OZ4VV (EQ17a) contd.

820713

1705	GI8YDZ	WP67b	55a	55a	Ø S	2113	SM3IXW	GV70e	57a 57a	45
1752	GM6FJB/P S	WR29d	52	52	30 !	2128	GI6BNI	XO22e	57a 55a	Ø
1912	GW3NYY	XL	55a		30Ø	2148	SM3LGO	IX79c	54a 56a	45

820714

Ø85Ø	SM2BYC	MZØ1h	559	ArE		2220	SK2VHG	KB	519 ArE

820715

820716 1158 UA1ZCL RC08c 519 ArE

820719

1504	LA8SJ/P	CV36h	57a	57a	30	1514	LA1K	FX42c	57a 53a	15

820802

1617	LA2PT/P	EV79e	59a	55a	15	2130	UA1ASA	PU	52a	45

820803 1818 OH3MB MV63c 55a 53a 15

820807

						1410	OHØNC/QJØ	JU56c	59a 57a	45
Ø145	UK3XAM	RO2Øc	57a		60	1510	HG1KYY	IH54a	59a 59a	60
Ø149	UK3DBW	RO	57a		60	1515	UA3YBL	ON28e	59a 59a	60
Ø355	GM5EHK/P	ZR42h	57a	55a	Ø	1522	HG5FMV	JH25a	55a 56a	60
1200	UO2BCZ	KR8Øj	58a	59a	60	1526	HG9BVB/9	KI	55a 54a	60
1215	UO2FA	NØØ1c	55a	55a	60	1530	RR2RBD	MS53a	55a 56a	60
1225	RB5PAA	ML64a	55a	55a	65	1531	UA3ACY	PO11e	55a 55a	60
1230	UK5PAN	ML64a	55a	55a	65	1534	HGØHJ	KH18a	57a 55a	60
1233	UP2BEA	NP	56a		60	1536	OK3KWL/P	JI21b	57a 55a	60
1237	UK3AAC	PP76e	57a	59a	60	1539	HG7KSV/P	JHØ5j	57a 55a	60
1240	UR2PI	LS59b	57a	55a	60	1542	HG6ZQ	JH26j	57a 53a	60
1245	UC2ABN	MN29a	55a	55a	60	1547	HG2KRZ/P	IH69c	55a 55a	60
1247	UK3BAB	?????	53a		60	1550	HG1VX/P	JH1Ø	55a 55a	60
1250	UT5DL	LI15g	55a	57a	60	1551	HG6NP/2	IH69c	56a 56a	60
1307	UA3NBI	PØØ9c	55a	57a	60	1559	GM4IGS/P	YS75j	59a 59a	15
1309	UA3OG	PØØ9c	56a	56a	60	1610	UC2ACA	ON13c	55a 56a	60
1311	UA3NAU	PØØ9c	56a	57a	60	1613	UA2FCH	KO50g	55a 55a	60
1330	UB5DBC	LI35g	57a	59a	60	1620	UA3NAM	?????	52a	60
1400	HG6KAB/6	KH01g	52a	55a	60	1630	UK3AAA	PM	52a	60

820828

2134	LA6MP/P	CW66j	59a	59a	10	2221	GM3XOQ	ZT04j	54a 53a	355

820829

1724	LA6MP	DV13e	55a	57a	Ø	1438	OHØBD	KU45d	55a 56a	30

820906

						1524	OK1KMU	JJ14b	57a 59a	60
Ø252	OK3KNM/P	KJ62g	55a	58a	60	1540	HG1Z	IG	55a 52a	60
Ø254	OK3CNW	JI43g	52a	55a	60	1547	OK1HSG/P	HI	53a 57a	60
Ø414	OK3TEG/P	KJ62g	55a	57a	60	1702	RC2WBR	NP	55a	60
1512	OK2TTO	IJ15a	59a	59a	60	1722	DF7RG	GI53a	59a 55a	60
1517	RA3LBK	QP77p	55a	57a	60	1756	UA3LBO	QØ21h	57a 57a	60
1521	OK2EH	JJ13b	59a	59a	60	1800	DL1CS	EI05f	55a 51a	60

tks fer info, dr Finn

FA0KDV (DN71f) wkd via Aurora on 144 MHz in CW:

820810

1353	SM5IXE	IS21c	55a	55a	40	1644	G4GHS	YN46e	53a 59a	20
1355	OZ4MM	FP54a	55a	52a	40	1649	G4GPX	ZK19j	55a 55a	40
1359	SM5MIX	HS66g	55a	55a	40	1653	G4OSS	YKØ9j	55a 55a	40
1407	LA8AK	DS80b	59a	59a	40	1657	LA3WL	FT78h	52a 53a	40
1439	UP2BJB	LP06d	55a	55a	80	1658	DL8HAV	EN20e	55a 52a	40
1451	GI8UPV	XO31g	56a	58a	10	1703	SM7EMØ	GP46g	55a 55a	40
1511	SK7JD	IR14f	55a	55a	10	1743	UR2RQT	MS80e	59a 59a	10
1528	DD7LD	FO65f	53a	52a	60	1811	OHØBA	KU45d	55a 55a	10
1535	GI8BRD	XO52a	51a	55a	10	2220	SM4CMU	FR50b	58a 58a	45
1542	GM4BYF	YP04d	59a	55a	40	2226	Y22SA	GNØØb	53a 53a	65
1639	SM7BYB	HO3Øa	52a	55a	40	2229	OZ1FDH	GP22c	58a ???	40
1643	G4MDU	ZM66e	52a	55a	40	2248	GM4CXM	XPØ9g	55a 55a	25

820807

1306	SM6ADW	GS52e	52a	55a	35	1533	OK1DIG	HK41f	51a 55a	70
1419	LA8OW	EU31g	56a	56a	30	1537	DL8MAS	FI79h	52a 55a	70
1523	UC2ABN	MN29a	53a	55a	55	1540	F6HLC	DI47f	56a 55a	70

820811 1649 GM4IGS/P YT75j 55a 59a 20

820906

1700	SM5FTU	?????	54a	???	45	1727	GW3NYY	XL40b	55a 55a	45
1705	SM6LJP	GS60e	56a	56a	45	1736	SM7OS	IO22a	55a 55a	45
1710	F8CS	CH56h	55a	53a	45	1754	PAØXMA	DM44h	55a 55a	45
1712	OZ1BOK	GP21d	55a	54a	45	1758	F6HWY	AH64a	52a 52a	45
1725	F8OQ	BI56a	54a	55a	45	1802	G8VHI	ZL56c	52a 57a	45

820907

1738	SMØDCX	IT70b	55a	54a	40	1828	G4ITR	YN16a	55a 55a	20
1813	GD3YEO	XO68e	53a	53a	40	1833	LA9CM	FT72h	56a 56a	10

820926

						1507	G4NCJ/P	YL38h	53a 53a	60
1305	LA5IH	CU47j	55a	55a	10	1511	G4FBK	ZL39g	59a 59a	55
1306	LA1GCA	CU37e	55a	55a	20	1515	OK1FAV	GK56f	54a 59a	55
1335	SM6DLN	HS33j	56a	55a	40	1518	HB9BZA	DG61c	55a 53a	55
1339	SM6CTP	GO36c	59a	58a	40	1522	I2AY	EF46	52a 52a	70
1350	OK1ATQ	HK50h	55a	55a	60	1527	HG1KYY	IH53h	55a 57a	75
1354	OK1KZR/P	IJ32j	55a	57a	60	1531	UC2ABT	NN18c	55a 55a	70
1356	OK1MG	HK71a	57a	57a	60	1533	UC2ABN	NN18c	55a 55a	70
1359	HG1YA	IH63b	57a	59a	60	1535	OK1DKX	HI03a	53a 55a	65
1410	YU3ACA/3	HF25c	53a	59a	60	1538	Y21TC	GN37j	53a 56a	65
1411	DL7TY	GM37	59a	59a	60	1540	HB9RO	DG34h	54a 56a	65
1417	YU3ES	GF39d	52a	53a	60	1547	I1RSQ	DE20g	55a 55a	75
1420	OE3PUW	II72j	54a	55a	60	1604	Y58YF	GL18g	55a 55a	70
1431	G3AZT	YN27a	59a	59a	40	1613	F6BQU	DI28e	55a 54a	55
1444	OK1SC/P	HK50h	55a	54a	50	1616	LA9CM	FT72h	56a 57a	55
1446	OK1BMW/P	HK52b	55a	56a	50	1621	DK9PL	EK72g	52a 55a	65
1453	OK1DKM	HK73b	53a	55a	60	1633	OE5XDL	HI31a	53a 52a	60
1457	OK1GP	GK65h	52a	57a	60	1644	OK1KWN	GK72c	52a 53a	72
1459	OK2BDH	HJ70h	52a	52a	80	1826	GM4JLD	YP11e	52a 33a	30

tks fer info

SM7LXV (GP48a) wkd via Aurora on 144 MHz in SSB:

820807

1204	SM4MNN	HT56c	59a 59a	1450	DG7AT	FM44d 57a 55a
1212	SM4LXZ	GT48f	56a 56a	1506	PA3ANV	DM65a 59a 59a
1214	SM6NJC	GR03c	55a 55a	1510	DB3RC	FJ05j 54a 52a
1223	SM7NJF	HP31j	55a 57a	1518	DD6IH	GM47g 55a 52a
1226	SM6LMD	GQ25b	55a 55a	1526	DB6BU	DM36a 55a 55a
1230	SM5FDA	IT77e	52a 55a	1530	PA3CBV	DM55j 51a 53a
1234	PA0XMA	DM44h	55a 53a	1539	DF9RJ	GI13j 57a 59a
1359	DD6EB/A	EL10a	52a 54a	1548	DF1CF	FH23j 55a 55a
1413	PE1GBT	DN71a	55a 59a	1555	DK3DB	E143g 53a 55a
1418	DL7ACW	GM36d	52a 51a	1600	DD0BS	DM27e 55a 53a
1430	PE1FJP	DM31f	55a 52a	1610	DD4BN	EN63a 55a 53a
1448	OE3LFA	II	57a 55a	1615	PE1IGM	DN63b 57a 57a

820926

1349	OE3NFA	II52j	55a 55a	1518	PA2WCB	CL07a 55a 57a
1403	DG7FH	EK56j	55a 41a	1520	PE1GUR	CM67d 53a 56a
1417	DG9JU	DL52b	57a 59a	1522	DB2RR	FJ58f 57a 57a
1422	DD2JI	DL56f	53a 52a	1524	DB6UZ	FJ49c 55a 59a
1427	GM8OFX	YR78a	54a 52a	1529	LA1ZE	CS29f 52a 55a
1431	DF5AI	FM42f	57a 58a	1534	PE1GHW	DM53h 56a 56a
1440	OE5OOL	GI78j	54a 52a	1537	OE3OBC	II52b 58a 59a
1449	OE1OPB	IH13h	55a 53a	1609	DL6FAW/P	DJ10a 55a 57a
1453	HG1YB	IH63b	57a 57a	1630	SM4FGE	HU66j 55a 53a
1509	PE1FCO	CM57e	53a 55a	1824	OZ1FTW	EQ04h 57a 59a
1511	DL9DAE	DL47b	55a 54a	1850	PE1HIX	CM57f 53a 52a
1516	DF3BL	DM37d	57a 55a	1855	PE1IGM	DN63b 56a 55a

QTF = 10-20 degs.

tks fer info, dr Christer

UA1ZCL (RC08c) wkd via Aurora on 144 MHz in CW:

820807 1557 SM2JAE KZ58c 57a 55a 30B

tks fer info, dr Aleks

UA3LBO (QO21h) wkd via Aurora on 144 MHz in CW:

820402

1524	OH4UC	NV17a	59a 59a 350	1626	LA7KK	FU62j 55a 55a 330
1614	SM7WT	GP27c	51a 55a 340	1630	UA3LAW	PO26g 55a 55a 350
1622	DK3UZ	EN20c	53a 58a 330	1637	DK1KO	FN12g 55a 58a 330

820403

0920	SM4GVF	HI76a	59a 59a 0	0930	SM4IVE	HI68d 59a 59a 0

820425

				1117	UR2RGM	MT44f 59a 59a 30
S						
1110	UO2GFZ	NR57a	59a 59a 30 S	1123	OH5XT	NU44b 59a 59a 30

307

UA3LBO (QO21h) contd.

1116	UR2GZ	MS04b	59a 59a 30 S	1134	OH4UC	NV17a 59a 59a 30

820612

1810	OH2BXE		51a hrd 0	2339	UK3AAA	SP08f 55a 55a 0
2146	UK3MAV	TG75f	59a 59a 5	2342	UA3TBM	WQ51j 55a 55a 0
2147	UA3MBJ	SS78e	59a 59a 5	2346	UK3XAM	SP73c 55a 55a 0
2315	SM5MIX	HS66g	53a 53a 0	2350	UK3MAV	TG75f 59a 59a 0
2319	UK2RDX	MT35g	59a 59a 340	2351	UA3MBJ	SS78e 59a 59a 0
2324	UR2QA	NS77a	55a 55a 340	2357	UA3TCF	WO14a 55a 55a 0
2329	UA3DHC	TO71c	55a 55a 340	2359	UW3CU	RP60c 55a 55a 0

820713

				2050	OH3AWH	LV50b 57a 59a 350
2035	UR2GZ	MS04b	55a 57a 330	2058	SM4IVE	HT68d 57a 55a 350
2038	UR2RBD	MS53a	55a 57a 330	2200	RC2WBR	NP75g 53a 53a 320
2043	OH3ZS	MU09a	55a 55a 350	2202	OK0IK	EN40c 53a 55a 320
2050	SM4DCX	IT74b	55a 55a 350	2205	DK1KO	FN12g 55a 57a 320

820714

0103	DK4TG	DL63a	57a 57a 320	0155	PA0ERW	CL48b 53a 56a 320
0107	PA0RDY	CM45e	55a 55a 320	0157	PA0HIP	CL34b 55a 55a 320
0113	SM6CMU	FR50b	55a 55a 320	0200	SM5MIX	HS66d 55a 57a 320
0117	SM5AKU	HT80f	55a 57a 320	0205	PA3AIZ	CM72g 55a 57a 320
0118	DF1OH	EM57j	57a 57a 320	0214	OZ1FTU	FP10j 57a 57a 320
0120	OK2STK	JJ12d	55a 59a 320	0226	PA3BRS	CM70d 55a 55a 320
0123	PA3CGR	DM65d	55a 59a 320	0228	SM7FJE	GP56d 59a 59a 320
0126	DJ5RV	DK66a	55a 55a 320	0230	SM6EAN	FR30j 59a 59a 320
0127	SM0DME/0		55a 55a 320	0253	PE1AGJ	DK01f 59a 59a 320
0135	OZ6OL	FP50e	57a 58a 320	0300	UR2EQ	NT61c 55a 55a 320
0136	DL7OY	FJ61e	55a 54a 320	0334	SM5ERW	HT80f 59a 59a 320
0148	PA0RLS	CM53d	57a 55a 320	0347	SM7EAD	GF56b 52a 57a 320

820802

				2122	SK4BX	HT67h 55a 55a 350
1104	SM4GVF	HI76a	59a 59a 350	2127	OH1XF	LU52j 52a 55a 350
1106	OH1DP	LU41j	56a 56a 350	2130	OH2BJM	LT08a 59a 59a 350
1116	OH4UC	NV17a	56a 58a 350	2135	OH6CY	MW70h 55a 58a 350
1127	OH3ZS	MU09a	55a 59a 350	2140	OH1DP	LU41j 55a 57a 350
1151	SM4IVE	HT68d	55a 55a 350	2207	OH3MF	MU23j 52a 56a 350
2120	SM4GVF	HI76a	57a 59a 350	2210	UA3TCF	WO14a 52a 59a 350

820807 #

				0126	UR2GZ	MS04b nnn nnn 10
0058	UA3TCF	WO14a	nnn nnn 10	0130	UK2RDX	NT61e nnn nnn 10
0105	UA3MBJ	SR15a	nnn nnn 10	0133	UR2MG	NS63a nnn nnn 10
0113	UR2JL	MT44f	nnn nnn 10	0137	RR2RBD	MS53a nnn nnn 10
0119	UA1ABO	OT79a	nnn nnn 10	0140	UQ2AS	NO37f nnn nnn 10

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820808

0544	OH5DM	OV47d	59a 59a 10	1420	UR2AW	MT43a 59a 57a 320
0548	OH4OB	NW09d	55a 55a 10	1425	OH1AA	KU19d 59a 59a 350
0552	OH5RE	NU35e	55a 59a 10	1429	DL1WF	FU62h 53a 54a 320
0556	SM5FVO	GU79j	55a 55a 0	1431	UT5DL	LI15g 53a 55a 320
0602	LA2PT	FT13b	55a 55a 0	1434	UB5DBC	LI15g 53a 55a 320
0604	OH7PI	NW60d	59a 59a 0	1436	UA3OHS	TL27b 55a 55a 320
0607	OH1ZAA	KV38h	55a 55a 0	1445	PA2VST	CM24j 55a 55a 320

UA3LBQ (QO21h) contd.

0656	OH3MF	MU23j	55a	55a	Ø	1449	UP2CG	MU27g	55a 55a 320
1115	SM4IVE	HT68d	59a	59a	25	1451	OZ3IW	FO18e	55a 56a 320
1116	UA3TCF	WQ14a	59a	59a	30	1456	UR2NK	MT53e	55a 59a 320
1124	UK2RAN	NS53a	55a	55a	25	1505	ON7EH	CK03f	55a 55a 320
1125	OH2BGD	MU55f	55a	55a	25	1516	ON4YZ	CK23j	55a 55a 320
1129	SMØIOT	JT51f	59a	59a	15	1523	UK5LCG	TK71a	55a 55a 320
1130	UR2EQ	NT61e	59a	59a	15	1532	Y38ZA	HN01c	55a 59a 320
1158	SM4GVF	HT76a	59a	59a	Ø	1537	UK5EDT	RI80a	55a 55a 320
1254	PAØOOM	DN54a	56a	56a	340	1537	UB5LIQ	SJ55a	59a 59a 320
1320	DF6OB	EM47e	53a	53a	340	1540	DLØWW	EJ29j	55a 55a 320
1341	SK7OC	GP37c	55a	56a	340	1543	UK5EAS	SJ71a	56a 56a 320
1347	DF6OB	EM47e	55a	56a	340	1606	RK5DX	LI15g	59a 59a 320
1350	DK1BM	DM67a	59a	59a	340	1610	UK5EDT	RI80a	55a 59a 320
1356	DK1WB	FM44d	55a	55a	340	1621	DK3UZ	EN20c	55a 56a 320
1357	DF9CY	EL02e	53a	53a	320	1632	UY5XQ		55a 55a 320

820811 1640 UO2GFZ NR57a 59a 59a Ø

820906

1505	DK5JZ		55a	55a	300	1730	DK9CK	EO59g	55a 54a 300
1508	DJ9YE	EN14a	54a	56a	300	1734	OK2KZR	IJ32j	53a 57a 300
1510	DK2ZF	FN04j	59a	59a	300	1735	DJ5DT	EJ04e	55a 55a 300
1520	DL4EA	DL65g	55a	55a	300	1739	OK2KRT	JJ41j	53a 55a 300
1530	DHØEAK	DL65g	55a	55a	300	1740	DF7KF	DKØ3f	55a 55a 300
1554	DK6AS	FM44g	59a	59a	300	1742	DK2PH	EL03e	55a 57a 300
1606	SM7WT	GP27c	59a	59a	300	1744	DL6BAR	EL21j	55a 53a 300
1615	DF5HC	FN22d	55a	55a	300	1746	ON7RB	BL80f	55a 55a 300*

*

1618	DKØTU	GM37e	57a	57a	300	1753	DF1ZE	EJ13e	55a 55a 300
1623	PAØOOM	DN54g	59a	59a	300	1758	OZ4VV	EO27a	57a 57a 300
1707	DK3UZ	EN20c	59a	59a	300	1805	PA3CGR	DM65b	53a 55a 300
1723	OZ1FDH	GP22c	55a	55a	300	1810	UP2AN		55a 55a 300
1725	DF8IK	EJ23j	53a	53a	300	1955	DK1KO	FN12g	55a 55a 300
1727	DJ4UF	DK21a	55a	55a	300	1958	UK2CAU	NO55a	55a 55a 300

* 1922 km

820907

1335	SKØLM	IT60c	57a	59a	Ø	1423	PAØOOM	DN54g	55a 55a 330
1339	SM5CFR	JT24j	59a	59a	Ø	1428	DF2HC	FN31b	55a 55a 330
1405	UR2EQ	NT61c	55a	57a	Ø	1439	PAØFTF	CK10e	55a 55a 330

UA3LBQ (QO21h) wkd via Aurora on 432 MHz in CW:

820714

0143	DL7QY	FJ61e	52a	???	320	0235	SM6EAN	FR30j	59a 56a 320

0238 ....de PAØOOS/? bk... 54a 320! QRG 432.070 MHz.

820808

						1211	OH5RX	NU44a	55a 56a 10
1136	UR2EQ	NT61e	55a	55a	10	1225	UO2OW	MR77a	57a 56a 10
1144	OH5RX	NU44a	53a	55a	10	1405	SMØDJW	IS10d	55a 55a Ø

820906 1540-1545 DF5LQ 54a hrd 310 QRG 432.066

UA3LBQ's operating frequencies:
144.090 +-5 kHz only for long DX (i.e. F, ON, G, GM, GW, etc.)
432.070 +-1 kHz for DL, OZ, PA, SM, etc.

I will answer any call, but n o t on above QRGs!

tks fer info, dr Valerij

UA3MBJ (KO70e) wkd via Aurora on 144 MHz:

820402

1648	UA3TCF	WØ	57a	59a		2312	OH5LK	NU	59a 59a
820403						1405	OH5AF	NU	57a 56a 340
1033	OH6BPA	KW	59a	53a	340	1408	UW4NI	YS	59a 59a 340
1045	RK2TEJ	NT	57a	57a	340	1420	SMØDCX	IT	57a 57a 340
1048	OH1PS	LU	59a	57a	340	1427	SM3HUA	IW	56a 56a 340
1049	OH6PJ	LX	57a	59a	340	1431	UP2BJB	LP	59a 59a 340
1054	UK4NBY	YS	53a	B	40	1454	OH7QA	NW	57a 57a 340
1056	OH5LK	NU	59a	59a	340	1456	UR2RMN	NS	56a 57a 340
1104	OH6CY	MW	59a	59a	340	1500	UA9FIG	CT	59a 59a 340
1120	SMØKFJ		45a	46a	340	1503	UA9FAD	CR	59a 59a 340
1128	OH5AI	OV	55a	55a	340	1506	OH2PH	MU	55a 58a 340
1131	OH6BA	MV	57a	57a	340	1508	UA1QBE	TT	55a 56a 340
1137	OH7AZL	NX	59a	57a	340	1519	UA1ASA	PU	59a 59a 340
1142	OH3US	MU	56a	55a	340	1522	OH6GD	KW	55a 55a 340
1148	SMØIOT	JT	56a	55a	340	1523	RA1ASR	PT	55a 59a 340
1325	UK4NBY	YS	59a	B	340	1528	RA1ASR	PT	59a 59a 340
1328	SM4GVF	HT	59a	57a	340	1539	UA3RFS	UM	59a 59a 340
1331	UA4NDW	YS	57a	58a	340	1550	RP2PED	MP	55a 55a 340
1344	SM5KW	IT	55a	55a	340	1553	OH1YP	LU	59a 55a 340
1350	OH3UB	LV	55a	54a	340	1555	OH2BEQ	MU	59a 57a 340
1356	UR2RER		54a	55a	340	1603	SMØIOT	JT	59a 59a 340
1404	UR2QA	NS	57a	55a	340	1614	OH6MK	LV	59a 59a 340

820406

1421	SM4IVE	HT	59a	56a	340	1435	OH2MQ	MU	55a 55a 340

820410

1141	OH6GJ	MV	59a	59a	340	1422	OZ1CLL	GP	59a 59a 290
1143	SM3AKW	IW	56a	55a	340	1423	OZ1FGP	EQ	53a 53a 290
1155	OH5LK	NU	59a	59a	340	1430	UK4NBY	YS	58a B 30
1203	SM2DXH	KX	59a	57a	340	1433	UP2CG	MO	55a 57a 290
1210	OH5MC	OV	55a	55a	340	1437	OZ8SL	GP	55a 55a 290
1212	OH4UC	NX	59a	59a	340	1444	OZ1FDH	GP	55a 53a 290
1217	OH3VJ	LV	55a	57a	340	1446	LA8SJ	GU	53a 55a 290
1223	SMØCGL	JT	57a	55a	340	1449	SM7LAD	GP	55a 53a 290
1226	SM5CRV	IT	56a	57a	340	1456	UA9FCC	BR	56a 59a 35
1227	OH5NM	OV	57a	57a	340	1509	SMØNCS		53a 53a 330
1233	SM3KJO	JW	41a	54a	340	1515	OH2VZ	MU	55a 57a 330
1237	OH3MS	MU	55a	57a	340	1522	UP2AN	MO	55a 56a 330
1239	SM2LAC	KX	56a	54a	340	1526	OH3BY		55a 57a 330
1243	SMØMIX	HS	56a	54a	340	1532	RA1ATS	PT	56a 56a 330
1249	UK4NBY	YS	55a	B	30	1538	UA9FAD		59a 57a 35
1256	UA4NDT	YS	54a	58a	30	1539	OH6MK	LX	59a 59a 330

UA3MBJ (KO59e) contd.

1300	SM5FNU	IT	57a 57a 340	1541	OH6SJ	MW	59a 59a 330
1305	SM0EJY	IT	57a 57a 340	1544	SM5EFP	HT	59a 59a 330
1313	SM6LPG		55a 52a 340	1549	SM3KIF	IU	55a 55a 330
1317	UA1ASA	PU	55a 59a 340	1602	UR2TBE	NP	55a 53a 330
1319	SM5CBN	HS	53a 55a 340	1608	UA3PBY	SN	55a 57a 330
1325	OH7HJ	OW	57a 59a 340	1609	UA3RFS	UM	56a 57a 330
1329	OH6FJ	NW	59a 59a 340	1612	UA4UK		59a 59a 330
1347	OH5RE	NU	57a 59a 340	1615	UK3SAG		55a 56a 330
1356	SK0BJ	IS	57a 57a 340	1624	UQ2GFZ	NR	59a 58a 330
1405	SM4BVF	HT	57a 57a 340	1637	OH0BA	KU	57a 57a 330
1409	OZ1EYX	GQ	55a 53a 290	1644	OH1AYG	LU	55a 55a 330
1411	SM6EOC	GQ	56a 55a 290	1652	OH1AA	LU	55a 55a 330
1414	SM6CMU	FR	55a 56a 290	1656	OH3RW	MV	53a 57a 330
1416	OZ1DOO	GP	56a 53a 290	1724	DF2ZC/P	EQ	54a 53a 275
1419	OZ4MM	FP	55a 52a 290	1732	UC2ABN	NN	54a 56a 330
1421	OZ1FTU	FP	53a 53a 290	1840	OH3ZS	MU	59a 59a 330
820417				1338	OH1PS	LU	57a 57a 345
1141	OH6MY		59a 56a 340	1340	OH5AC	LW	55a 55a 345
1148	OH7TN/4	OV	59a 59a 340	1347	OH1AA	LU	55a 54a 345
1158	UA9GL	CR	59a 56a 30	1352	OH3ZS	MU	59a 57a 345
1212	SM2DXH	KX	59a 57a 345	1423	OH2MQ	MU	57a 55a 345
820425							
1104	UK4NBY	YS	59a B 20	1137	UA3TCF	WQ	59a 59a 20
1105	OH5XT	NU	59a 59a 345	1143	UQ2GFZ	NR	57a 57a 340
1107	UR2BZ	MS	59a 59a 345	1146	OH2BB	MU	57a 56a 340
1108	OH7RJ	NW	59a 59a 345	1157	OH6FG	MW	55a 56a 340
1111	UQ2GFZ	NR	59a 59a 345	1252	OH3US	MU	55a 55a 340
1120	OH7UE	OW	59a 59a 345	1301	OH2BBF	LT	59a 58a 340
820528							
1504	UA4NDW	YS	59a 59a 30	1545	OH2BVR	MU	59a 59a 345
1506	OH5BM	OV	59a 59a 350	1556	OH1YJ	LU	59a 56a 345
1508	OH3FM	MV	53a 55a 350	1603	SM0KCR	JT	53a 56a 345
1513	UK2RDX	MT	59a 58a 350	1605	RR2RBD	MS	55a 55a 345
1524	OH4MF	OV	59a 59a 345	1610	OZ1CLL	GP	52a 54a 300
1529	OH4MF	OV	599 599 305	1615	RC2WBR	NP	56a 58a 300
1543	RA3DFB	TP	57a 55a 310	1621	UC2ACA	NN	59a 57a 300
820529							
1418	SM3HUA	IW	53a 53a 335	1424	SM2DXH	KX	57a 57a 335
820530							
1355	UW4NI	YS	59a 59a 30	1404	SM3HUA	IW	57a 55a 330
820610				1432	OH5OS	OV	55a 57a 325
1318	UR2EQ	NT	59a 57a 340	1435	OH1AA	LU	56a 55a 325
1319	SM4IVE	HT	59a 59a 340	1438	SM1BSA	JR	59a 58a 325
1324	OH5LK	NU	59a 59a 340	1441	UC2ABN	NN	55a 55a 325
1336	UK4NBY	YS	58a B 40	1444	OZ1OF	EQ	55a 53a 325
1342	OH1DP	LU	59a 59a 355	1451	SK7JO	IR	55a 56a 325
1349	OH2DZ	MU	59a 58a 355	1455	UK3MAV	IS	57a 59a 325
1354	UA4NDX	YS	52a 58a 30	1501	OH5BM	OV	59a 59a 325

UA3MBJ (KO59e) contd.

1356	UA4NDT	YS	55a 55a 30	1504	UK2RDX	MT	55a 55a 325
1403	UW4NI	YS	55a 57a 30	1506	SM5BKA	IT	55a 55a 325
1405	SM4AGY	IT	55a 57a 355	1508	OH3XU	MU	59a 59a 325
1409	UA9FIB	CT	57a 59a 40	1517	SM7DLZ	IQ	56a 57a 325
1413	OH2KX	MU	59a 59a 340	1520	RO2BGV	LR	56a 57a 300
1415	SM5MIX	HS	55a 55a 340	1529	UP2AN	MO	55a 57a 300
1419	SM0DME	IT	59a 57a 340	1533	RO2BGS	LO	56a 57a 285
1422	SM5DFF	IS	59a 57a 325	1538	SM0DCX	IT	57a 57a 305
1425	LA7KK	FU	55a 55a 325	1543	OZ1CLL	GP	57a 57a 305
1426	SM6EAN	FR	55a 56a 325	1552	UA3PBY	SN	51a 55a 305

tks fer info, dr Nick

UA3TCF (KO14a) wkd via Aurora on 144 MHz in CW:

820425							
1112	UA9GL	CR02h	59a 59a 30	1120	UR2BZ	MS04b	56a 57a 350
1114	UA9FFQ	CT46e	57a 59a 30	1121	UR2RGM	MT44f	57a 57a 350
1115	OH5XT	NU44b	59a 59a 0	1140	UA3MBJ	SS78e	59a 59a 30
820710				1424	OH3XU	MU09j	54a 57a 350
1409	OH5LK	NU37g	58a 59a 340	1447	UA3PBY	SN	31a --- 320
1415	OH7HJ	OW38f	55a 55a 0	1451	OH3VJ	LV29e	55a 55a 350
1421	OH2BAZ	MU54h	55a 55a 340	1458	OH1CC	LU43g	42a 53a 350
820802				1536	SM5CFS	JT24j	52a 31a 330
1423	OH1DP	LU42j	54a 54a 350	1548	SM4IVE	HT68d	53a 54a 330
1440	OH7UK	OW39b	54a 54a 350	2152	SM2ILF	KY26e	57a 55a 340
1450	OH7UE	OW40h	58a 59a 0	2156	SK4BX	HT67h	57a 55a 330
1514	OH4UC	NV17a	59a 58a 0	2157	SM2DXH	KX11a	56a 56a 340
1524	UA3LAW	PO	57a 43a 315	2209	UA3LBQ	GO21h	59a 52a 320
820807				1322	UK3DAA	SL30e	54a 57a 315
1032	OH7RJ	NW09f	59a 59a 0	1325	RA6LRR	UI03g	54a 55a 315
1036	RA1AMD	QI79a	59a 59a 20	1340	RB5IOY	TK72f	54a 55a 310
1046	OH4UC	NV17a	58a 59a 0	1346	UA3LAW	PO37e	57a 57a 320
1053	UR2EQ	NT61e	57a 58a 350	1355	UC2ABN	MN29a	54a 56a 310
1055	UA3UBD	UO	59a 59a 30	1404	OH2TI	MU65g	59a 59a 350
1106	OH5BM	OV47d	59a 59a 0	1405	UR2REN	NS54a	57a 59a 330
1124	RR2TEJ	NT71a	59a 57a 350	1408	UR2MG	NS63a	56a 57a 350
1134	RA1ARX	OU72a	59a 57a 0	1411	UQ2AO	MR77a	53a 56a 330
1141	UA3YBL	QN28e	55a 59a 310	1412	UW4NI	YS	59a 59a 340
1149	RA3YCR	RM62g	55a 57a 310	1417	UA4CDT	YL01h	56a 59a 330
1155	UQ2PA	NO01c	58a 57a 310	1423	UA3YBU	QN28e	59a 59a 315
1157	UQ2NX	MR77a	58a 58a 330	1428	RA3ADK	SO03j	53a 55a 320
1158	OH2RK	MU51e	58a 57a 330	1429	OH4QB	NW70g	54a 55a 350
1204	UK3AAA	PM07a	59a 59a 320	1431	UA9FFQ	CT46e	57a 59a 30
1211	UA3QER/UA3E	RM27a	59a 59a 310	1433	UA9CKW	EO14c	59a 59a 30
1232	UK3RAA	UM35a	57a 57a 330	1436	UK9AAW	DP60g	55a 59a 30
1250	UB5LIQ	RJ18a	59a 57a 320	1453	UR2RQT	NR26a	55a 55a 340
1252	UA9GL	CR02h	59a 59a 0	1459	SM0IOT	JT51f	56a 57a 330
1257	UA3QBP	TL27c	57a 59a 330	1501	UK3RAA	UM35a	57a 59a 320

310

UA3TCF (WØ14a) contd.

1300	UP2BJB	LPØ6d	54a	55a	32Ø	1505	UA3DLG	RK8Øe	57a	58a	33Ø
1302	UB5LIP	SJØ2a	57a	58a	32Ø	1516	UA3PBY	TO71a	55a	57a	2Ø
1305	UA3ACY	PO11e	57a	57a	32Ø	1524	UK3TAA	VP05f	56a	57a	
1308	UK5IGA	SK79f	55a	55a	315	1528	UK2RAH	MS58b	57a	59a	32Ø
1310	UB5INK	SK79f	54a	55a	315	1535	UA4CAV	XMØØe	59a	59a	33Ø
1317	RB5IGS	TK72f	54a	55a	315	1604	UK5LCG	TK71a	57a	57a	31Ø
82Ø829						1227	OH2BBH	MU63e	52a	55a	35Ø
1221	UA9GL	CRØ2h	57a	59a	Ø	1233	UK4NBY	YS	56a	B	2Ø
1223	OH5LK	NU37g	58a	59a	35Ø	1243	SMØDCX	IT7Øb	56a	55a	33Ø
1225	OH2FQ	MU72b	57a	59a	35Ø	1315	RA9FBZ		55a	59a	Ø
82Ø9Ø4						1344	OH1PS	LU46d	53a	53a	35Ø
1210	UK4NBY	YS	42a	B	2Ø	1434	UK4NBY	YS	52a	B	2Ø
1220	OH5LK	NU37g	59a	59a	Ø	1447	UØ2GFS	NR	56a	56a	33Ø
1256	OH5BM	OV47d	57a	59a	Ø	1520	RA9FBZ		56a	57a	1Ø
82Ø9Ø5						1434	UA9GL	CRØ2h	57a	59a	Ø
1432	UA9FAI		42a	59a	Ø	1441	RA9FBZ		56a	59a	Ø

tks fer info, dr Aleks

UK5EDT (RI58c) wkd via Aurora on 144 MHz in CW:

82Ø714

ØØØ2	DJ9BV	EN4Øc	55a	55a	
ØØ21	OZ6OL	FP5Øe	55a	55a	

UK5EDT/P (RI8Øa) wkd via Aurora on 144 MHz in CW:

82Ø8Ø7

1528	DK6AS	FM44d	55a	55a				
1533	UA3LBO	OOlla	55a	55a				
1552	DK1KO	FN12g	56a	55a				
1505	DK3UZ	EN2Øc	55a	54a	1509	DJ9BV	EN4Øc	54a	55a	55a

hrd SM7LAD, SM7WT, OZ6OL, UC2ACA, UK3AAA, UK3AAC, RA3YCR, UR2TB.

tks fer info

YU3ACA/3 (HF25c) wkd via Aurora on 144 MHz:

82Ø926					1437	PAØFAS	CM78h	57a	55a
1357	DJ9YE	EN14a	55a	53a	1442	DK3FW	EM69b	59a	56a
1358	DK1KO	FN12g	59a	57a	1443	DF6LN	FO51j	59a	52a
1359	PAØRDY	CM45c	59a	55a	1447	PAØXMA	DM44h	59a	53a
1407	PA2VST	CM24j	59a	55a	1452	DL8DAT/DA9	DL49h	59a	55a
1409	PAØKDV	DN71f	59a	59a	1525	Y38ZA	HNØ1c	55a	55a
1415	DF7DJ	DL39a	59a	59a	1531	GD4IOM	XO67d	55a	55a
1417	PAØFTF	CK1Øf	59a	43a	1552	G4DEE	YN39b	44a	41a
1420	OZ3ZW	FO18e	59a	59a	1557	G4GZA	ZN47c	55a	53a
1424	PAØNIE/A	CM64d	59a	55a	1601	PAØOOS/A	DN63c	59a	51a
1425	PA3GIY	CM72c	55a	52a	1606	OZ1DPR	EP54a	59a	56a
1420	DF9CY	EL09e	59a	52a	1610	DK6XY	FN05f	55a	53a

HG1YA /IH63b/ worked via aurora :

06.09.

1513	DF5DL	EL23e	55a	53a	34o			
18	SM7DLZ	IQ53h	57a	57a				
19	PAoRDY		59a	58a				
21	G4ODA	ZM2og	55a	55a				
22	DF7DJ	DL39a	59a	57a				
28	G8VR	AL42e	55a	59a				
29	DF2HC	FN31b	59a	57a				
35	DF5HC	FN22d	59a	59a	20°			
35	OZ1FTU	GP23h	58a	57a				
38	Y24BO/P	GM49j	55a	55a	40°			
43	DJ4AX	DL47g	55a	55a	"			
44	DKoTU	GM37e	59a	59a				
46	PE1AGJ	DKo1f	59a	59a				
51	DL6BF	DM57e	57a	57a				
52	DL6DAR	EL22j	57a	52a				
55	SK7OC	GP27o	55a	56a				
56	DL7TY	GM48j	59a	55a				
58	Y38ZA	HNo1c	55a	55a				
1603	OZ1AUX	FP3od	55a	55a				
o7	SM6AEK	GQ25b	55a	54a				
18	OZ1FGP	EQ68a	53a	56a	15°			
29	DK1KO	FN12g	58a	57a	"			
32	DF7OG	FM31j	55a	55a	35°			
36	DK1PZ	EL59g	57a	57a	32o°			
37	GW3NYY	XL4ob	55a	56a	"			
4o	OZ1FDH	GP22o	55a	53a	"			
5o	UP2BKH	KP27j	53a	55a	1o°			
55	UP2BJB	LPo6d	59a	59a	"			
59	SM7LAD	GP48a	55a	55a	35o°			
174o	OZ4MM	GP54a	55a	55a	"			
5o	PAoOOM		59a	57a	"			
1814	DK2ZF		53a	52a	25°			
33	DK1PZ	EL59g	41a	41a	325°			

YU3ACA/3 contd.

1431	OZ3WU	EP66e	59a 57a
1433	PAØHIP	CL34d	59a 59a

1626 DK5LA EQ29h 59a 53a
1634 DK1KR FN34g 55a 54a

hvala za info

73! Gabi

ES INFORMATIONS by DK2ZF

1)

TV-Beobachtungen Kanal 2-4, 16.7. - 21.7.1982 DF1XU Lok. FN22e

TV OBSERVATIONS BY DF;XU (FN22e) Ton=sound Bild= vision

16.7.82

1100 - 1400 GMT Signal Ø
1400 GMT - 1430 GMT Kanal 3 RAI Bildsign.Ø-7, Ton Ø-4
1430 - 1530 GMT Kanal 3 RTVE Bild Ø-8,Tonab 1500GMT 3-8
1430-1530 GMT Kanal 4 RTVE Bild + Tonsignal Ø-7
1530-1630 GMT QRX
1630-1700 GMT Kanal 2 + 3 RTVE Bild 3-8 ,Ton Kanal 2 2-8,Kanal 3 Ø-5
1700 QRT

17.7.82

1700-1745 GMT Kanal 4 RUV Bildsignal Ø-4
1800-1845 GMT Kanal 2 CCCP Bild Ø-8
1845-1930 GMT Signal Ø
1930GMT QRT

18.7.82 nicht QRV

19.7.82

0645- 0730 GMT Kanal 2 Norge-Greipstad Bild Ø-4, Ton Ø-4,bis 7000GMT
0700-0715 GMT Kanal 3 DR Ø-4
0730-930 GMT Kanal 3 RAI Bildsign.Ø-9 , Ton Ø-8
0915-0945 GMT Kanal 3 RTVE Bild + Tonsign. Ø-4
1000-1845 GMT Kanal 3 Dr Bild + Ton Ø-7
1845-2145 GMT QRX
2145-2210 GMT Kanal 3 DR Bild + Tonsignale 7 , DR 2210 GMT QRT
2145-2230 GMT Kanal 2 RTVE Bild + Ton 2-6 , 2230 GMT QRT } =2Programme
2145-2307 GMT Kanal 3 RTVE Bild + Ton Ø-4, 2307 GMT QRT }

20.7.82 forts.

1545-1550 GMT Kanal 2 Sverige Bild Ø-3, Ton Ø
1645-1648 GMT Kanal 2 Sverige Bild + Tonsignale Ø-3
1745-2030 GMT Kanal 2 RTVE Bild + Tonsignale Ø-7
1845-1945 GMT Kanal 4 RTVE Bild + Ton Ø-6 ,2000-2100 GMT Sign. Ø, QRT

21.7.82

0630-1300 GMT DR (Danmark-Radio) Bild+ Tonsignale 9-Ø Kanal 3
0630-0730 GMT Kanal XXXXX 2 Sverige Bild + Ton 5-Ø
0630-0640 GMT Kanal 4 Ptt-NL Bild Ø-4, Ton Ø-2
0630-0650 GMT Kanal 4 DR Bild + Tonsignale 5-Ø
0710-0900 GMT Kanal 2 Norge Bild + Ton 6-Ø
0900-1200 GMT Kanal 3 RAI Bild Ø-8, Ton Ø-5
1030- 1035GMT Kanal 2 Norge Bild Ø-2, Ton Ø
0915-1015 GMT Kanal 2 CSSR Bildsignal Ø-4
1113-1118 GMT Kanal 2 CSSR Bildsignal Ø-3, Ton Ø
1300 GMT QRT

22.7.82

0830-1130 GMT Kanal 2 RTVE Bild + Ton 7-9
1130-1215 GMT " " " " + " Ø-9
1230-1700 GMT Signale Ø

20.7.82

0615-0645 GMT Kanal 2 Bild + Ton 5-Ø Sverige
0700-0745 GMT Kanal 4 TVP (Polen) Bildsignal Ø-4
0730-0845 GMT Kanal 2 Sverige Bildsignal Ø-4 ,Ton Ø
0845-1345 GMT Kanal 3 RTVE Bild 9-Ø ,Ton Ø-9 (845-1015 GMT RTVE-Aitana,
(1030-1345GMT RTVE-Aragona
1015-1045 GMT Kanal 2 Sverige Bild Ø-3,Ton Ø
0915-1400 GMT Kanal 2 RTVE Bild + TOn 9-Ø
0930-0935 GMT Kanal 4 RTVE Bild Ø-5, Ton Ø-2
1200-1245 GMT Kanal 4 RTVE Bild + Tonsignale Ø-5 = RTVE - San Sebastian
1415-1445 GMT Kanal 2 Sverige Bild Ø-4, Ton Ø-2

Summary E$ REPORT 1982 FROM USSR

Thanks for reports to :

UB5JIN UB5ICR UG6AD UK5EDT UA3TCF UG6GBD RG6GBT UA1ZCL

RG6GBT WA64c

15.o.6.82

15oo	HG6VX/p	JH1Oj	599 599
1537	YU7MCG	KFO1e	599 599
1539	YU7EW	KF24f	599 599
1539	HG6ZQ	JH2oj	599 599
154o	YU1NAJ	KE24d	599 599
1541	HG6NQ		599 599
1542	HG8KAX	KG16g	599 599
16o6	OE3XUA	HH1Ob	599 599
16o6	HG5A	JH35e	599 599
16o7	HG8BT	KG16g	599 599
16o7	YU7EW	KF24f	599 599
1644	LZ2AR	LDo5c	599 599

tnx reports alexander

UG6GBD WA64h

24.06.82

1322	RA3RAS	UM28g	59	59
1323	RA3RFS	UMo8j	59	59

tnx reports sergej

UB5ICR SH39h

during season, alex wkd
about 70 stns all CW with
most reports 599

07.07.82:

16oo	DF5DL	EL		
16o7	DK2PR	EN		
1758	DF5DL	EL		
18o3	DL4EA	DL		
18o5	Y23SJ	FK		
18o6	DF8AE	EM		
1849	PAØHIP	CL		
1851	DK4TG	DL		
1851	DJ9UX	DL		
1855	DF7VX	EL		
19oo	PA3BFB	CL		
19o5	PA3CII	CL		
191o	DK5AL	FL		

09.07.82

1817	OK1MDK/p	HJ	
1819	OK1MWI	IK	
1836	Y25LL	GL	
1839	OK2KZR	IJ	

11.07.82

1o33	SM5CNQ	HS	
1o35	SM4AXY	HT	
1o36	SM5MIX	HS	
1o38	SM5IXE		
1o38	SM4COK	HT	
1o4o	SM5BUZ	HS	
1116	DH5BAC	EM	
1121	Y22QG	FM	
1125	Y23FG	FM	
1125	SM5CHK	HS	
1144	PA3AJG	DM	

16.07.82:

1623	OK1NI/P	GJ	
1626	OK2BTI	JJ	
1627	OK2TU	IJ	
1628	OK1HAG	HJ	
1635	DJ3TF	FJ	

UB5ICR SH39h

16.07.82:
cont'ed

1742	OZ9QV	GP	
1745	OZ6OL	FP	
175o	OZ1LO	FP	
18o4	Y38ZA	HN	
1817	DK1KO	FN	
1838	YU2RGO	HF	

27.07.82:

1712	DL6NAA	FK	
18o2	DK6AS	FM	

02.08.82:

1642	OH2RB		
1645	UR2RDR		
1645	UK2RBM	MT	
1647	OH1DP	LU	
1648	OH1AA	LU	
165o	OH1ZP	LU	
1655	OH1BWL	MU	

all stns wkd CW !!

=RB5JAX - QE38j

16 July 1982 wkd:

16.34	SMØLRN	JT71h	55	55
16.40	SMØLRN	JT71h	59	59
16.42	SMØHAX	JT51b	55	59
16.49	SMØDJW	IS1Od	55	55
16.50	SMØFFS	JT71e	59	59
16.52	Y22HA	GO	59	59
17.19	SM3LBN	IU33b	43	59
17.28	SM5BEI	JU72o	59	59
17.47	SM5CFS	JT49	59	59
17.50	SMØDCX	IT70	59	59
17.51	SMØFMT	IT50f	59	59
17.51	SMØEES	JT71c	59	59
17.52	SM5AQJ	JT	59	59
17.53	SM5CRW	IT41g	59	59
17.53	SMØKCR	JT41g	59	59
18.06	SM1LPU		59	59
18.07	SM4FXR	HT57g	59	59
18.07	SM4IVE	HT68a	59	59
18.08	SMØKAK/1	JR	55	59
18.10	SM1MUT	JR	59	59
18.12	SM4FWY	HT66a	59	59
18.13	SM4ANQ	HU66a	57	59
18.15	SM5LXQ	HS48j	59	59
18.16	SM5CHK	HS36j	59	59
18.16	SM4ANQ	HU66a	59	59

73, op VLAD

Dr OM VLAD TNX for your reports
and UFB typewriting tnx Rolf DK2ZF

RB5EHT RI33j rprts via UK5EDT

16.07.82

162o	DJ3TF	wkd all rprts	59
1624	OK2KZR		
163o	OE5OLL		
1632	DL5MCG		
1634	DL5MAE		
17o5	SM7CAD		
1751	OZ1EYN		
1752	OZ9HL		
181o	OZ9SL		
181o	OZ9LO		

RB5EGO RI33j rprt via UK5EDT

07.07.82

1855	DD1DA	DL59c	59	59
19o5	DD8DG	DL49h	59	59
191o	DD9QP	DL26c	59	59

UY5RG RI58j rprt via UK5EDT

07.07.82

18o3	DD1DA	DL59c	59	59

TNX UK5EDT for collecting
all the reports from your area !

UB5JIN REO1f SUMMARY REPORT 1982

08.06.82

181o	IW5AWM	FC	59	59
1812	IØSNY	GD	59	59
1813	I6WJB	HC	59	59
1817	IØPS	GB	59	59 QRM
1818	YU2JL	HD	55	55
1821	YU2CTD	HF	59	59
1821	I6DQE	GD	59	59
1822	I5UWT	FD	59	59 QRM
1823	YU2SSS	IF	55	55
1824	FC6ABP	EC	59	59
1825	I6DQE	GD	59	59++
1826	IW5AWM	FC	59	59
1827	I6CTG	GD	59	59
1828	IW5AWM	FC	59	59

UG6AD - WA63J

24.6.82

12.46 UA3RFS UMo8j 59 599
1255 UA3RFS UMo8j 569 579
1314 RA3RAS UM28g 59 56

03.07.82

0810 RA3YCR RN52F 569 599
0830 UB5LAK 579 579
0855 UA3LW PO26G 599 599

07.07.82

0706 UK5YAB MI6+A HRD - BEACON
0709 UB5SAY HRD - BEACON
0759 YU7EW KF24F 569 569
0800 YU7BCX KF24F 569 559
0803 YU7DCW 579 579
1609 UK3AAC SP19E 599 599
1610 UA3PBY SNo8A 589 599
1611 UA3PBT SO69A 599 599
1612 UA3QIN TL27C 599 599
1614 UA3QER TL36B 59 599
1700 UA3LBO QO21H 579 599
1702 UA3LAW PO26G 59 599
1707 UQ2GFZ HRD

10.07.82

1203 YO4YT OE64G 599 599
1207 YO4YG 599 579
1210 LZ2KBIP 579 579
1515 YO5CRI 579 579

21.07.82

1637 UB5PAZ ML73A 579 599
1653 UO5OGX OH74D 599 599

01.01.82

1637 UA3RFS UMO8J 599 599

02.08.82

0915 UB5QDM 589 589

04.08.82

1435 YU5QG/5 KB37E 569 579
1443 LZ1AG MC64E 579 579
1451 LZ1LX MC62c 599 599
15o3 LZ1RK MC62b 599 579
1516 LZ1KPZp LC68c 599 559
154o YU1HFG KC1Ob 579 599
1545 YU1PIF KC1Ob 599 599
1619 LZ2FR LDo5a 579 579
1625 YU1EV KE32g 599 599

04.08.82 cont'ed

1626 YU1PZM 579 579
1634 LZ1AB LC27e 579 579
1635 LZ1AG MC64e 579 579
1653 LZ1ZB LC27a 569 599
1655 LZ1DP MC49q 579 599
17oo LZ1UB 579 579
17o3 YU1EV KE32g 599 599
17o4 LZ2FR LDo5a 599 599
17o6 LZ2VR 579 579
1715 LZ1OA MC49g 599 599

15.08.82

1459 HG6VX/p JH1Oj 599 599
15o2 YO6AFP/p MP21q 599 599
15o4 YU1NAJ KE24b 599 599
15o6 HG4KXG JGo5j 599 599
15o6 YO6AZL/p MP21q 599 599
15o7 YU7EW KF24f 599 599
15o8 YO6BCW/p MF24f 599 599
15o8 HGØHO KH15a 599 599
15o9 YU2EZA IG61c 599 599 2397km
151o YU7MCG KFo1e 599 599
1511 YU3ZV HG3oa 599 599 2424km
1512 YU2EZA IG61c 599 599
1513 HG8KAX KG16g 599 599
1514 HG6VV JH2Oc 599 599
1515 YU2SWN IG61c 599 599 2397
1516 HG8BT KG16g 599 599
1517 YO5LH/p LG29g 599 599
1518 YU7PEY KF71j 599 599
1518 HG1XY IG15f 599 599 2354km
152o YU3CAB HG55f 599 599 25ookm
1521 HG4KYV JGo5j 599 599
1522 YU7BCX KF24f 599 599
1523 YU3EW KF24f 599 599
1524 YU7QFI KF42e 599 599
1524 HG4XG JGo5j 599 599
1525 YU7AJH JF7oa 599 599
1525 YU3ZW IG41e 599 599 24o5km
1526 YU1AD KE13j 599 599
1527 YU7QDM 599 599
1527 YU2FJ IG 599 599
1528 YO6XR MP21g 599 599
1529 YU7OQC KF42d 599 599
153o YU7BDS KF24a 599 599
1532 HG6VV JH2Oc 599 599
1532 YU7BCW KF24a 599 599
1533 YU7MAU JF5Oj 599 599
1534 HG5A JH35f 599 599

UG6AD WA63J

15.08.82 cont'ed

1535 YU1HRM/3 HG55f 599 599 2500km
1551 HG5RDQ JH35c 599 599
1553 OE3XUA HH1Ob 599 599 244okm
16o3 HGØDM KHo8b 599 599
16o4 HG5KDX/p JH35c 599 599
16o5 OE3XUA HH1Ob 599 599
16o9 YU7AJH JF7Oa 599 599
1612 YU7BDG JF6Of 599 599
1612 YU7QFI KF42e 599 599
1615 YU7QED KF 599 599
1616 YU7MCG KE 599 599
1616 YU7QDX 599 599
1627 YU1NAJ KE24b
1631 YU7EW KE24f 599 599
1635 YU1NPZ KE13f 599 599
1643 LZ2AR LDo5e 599 599
++++++++++++++++++++++++++++

UA3TCF WQ14a wkd

09.07.82

1829 LZ1AB LC 599 449

11.07.82

0912 LZ2AR LD68c 599 599
0916 LZ1WL LC55h 579 589
1032 HG6VV JH2oc 579 599
1035 HG5A JH 559 599
1036 OK3AU KI27h 599 599
1037 HG6NQ JI8Of 599 599
1038 HG6KNB JI69c 599 599
1039 HG1YA IH63b 599 599
1039 HG1YA IH63b 599 599
1041 HG2SU JH71f 599 599
1042 HG1KYY IH 599 599
1043 OK3CNW II58b 599 599
1045 OK3CDR II66c 599 599
1057 OE3PUW 599 599

UK5EDT RI58c

07.07.82 cont'ed

1908 PAØHWB CL34e 59 59
1910 DD9QP DL26c 59 59
1919 DJ9BP DL35b 59 59

08.07.82

1524 G3CJC HRD
1536 PA3AMF CM44b 59 55

09.08.82

see next page

UA3TCF WQ14a

16.07.82 cont'ed

1642 YU2RGO HF2Oc 599 599 2317
1644 YU3EW IG22f 599 599
1645 OE6WIG HG29b 599 599
1649 YU3DBC IG22f 599 599
1649 HG4YF 599 599
1651 YU2CDU HF19j 579 579 2332
1652 YU2EZA IG54f 599 599
1653 YU2SWN IG64a 599 599
1655 OE3PUW 599 599
1657 OK3CDR II66c 599 599
1658 OK3TBY II58b 559 599
17o4 OK3KNM JI51e 599 599
17o4 HG1YA IH63b 599 599
1726 YU2RGO HF2Oc 599 599
1728 HG5HO JH36h 599 599
1741 HG2SU 599 hrd
181o YU2RER 579 hrd

UK5EDT RI58c wkd with 2 Watts

08.06.82

1435 599 599
1438 YU2KDE JF23g 599 599
1443 IG 599 599
1445 YU3ZV HG3Od 599 599
1448 HG1ZA IGo6j 599 579
145o OE3OKS IH21h 59 59
1451 OE3EFS HI69g 59 59
1456 HG1YA IH63b 599 599
1547 I6WJB HC42g 599 599
hrd also : PA2V?? OK2KNO
Y21IF Y22ME

07.07.82 with 2 Watts !!!

1752 DF5DL DL23 599 599
18o2 DD1DA DL59c 59 59
1806 DL4EA DL65c 599 599
1845 DK4TG DL63g 59 59
1842 DLØUD DL5 59 59
1844 DK9 DL66d 59 59 QRM
1846 DD8DG DL49h 59 57
1847 DK9TFA DL66h 59 57
1848 ON7GP CL62d 59 59
1851 DG8DR DL63g 59 59
1854 DK4TG DL63g 59 59
1855 DB6DC DL53e 59 59
1856 DL8YAE DL35d 59 59
1857 ON6HP CL62d 59 59
1858 DG1JY DL34b 59 59
19o1 G3BDQ AKo4f 59 55 2591
19o7 PE1FWZ CL36a 59 59
19o7 YZ5SH 59 59
19o8 PAØHWB CL34e 59 59

Es INFORMATION SUMMARY REPORT 1982

RB5JAX QE38j

7 June 1982 wkd:

17.28	DK9TF	DL66b	59	59

8 June 1982 wkd:

18.00	IØSNY	GD72b	55	hrd
18.05	FC6ABP	EC22h	55	59
18.10	IØSNY	GD72b	59	59
18.11	IW5AVM	FC16e	55	55
18.18	I6DQE	GD48d	56	56
18.21	IW5UWT		59	59

9 June 1982 wkd:

09.55	IT9MRJ	HY68b	59	59
10.10	IW9AJZ	GY67a	59	59
10.34	IWØAIJ	GM12d	59	59
17.15	9H1ET	HV12b	55?	59

12 June 1982 wkd:

14.45	IW1AJJ	DF79d	59	59

7 July 1982 wkd:

17.55	OZ4MM	FP53a	59	59
17.56	OZ1EKI	EP	59	59
17.56	OZ5TH	EP09c	59	59
17.58	OZ1EVW	EP48a	59	59
18.06	OZ1DAO	FP44f	55	59
18.40	DF5LQ	EO50j	59	59
18.41	DK1KR	FN04g	59	59
18.43	DL1FG	FO52h	59	59
18.43	DK1KR	FN	59	59
18.46	DB1LH	FO52h	59	59
18.47	DK9CK	EO59g	59	59
18.48	DL5LH	FO	58	59
18.48	DD4LW	FO41a	59	59
18.50	DL5LH	FO	56	59

7 July 1982 (contd.)

18.51	DB8LA	FO52h	59	59
18.51	DJ4LY	FO41	59	59
18.52	DL4LAM	FO51d	59	59
18.52	OZ3WU	EP	57	59
18.53	Y21TC	GN	59	59
18.53	DG5LAH	FO41	59	55
18.55	DC4VC/p	EO	59	59
18.55	DK1KO	FN12g	59	59
18.59	DK1KO	FN12g	57	59
19.03	DL1FG	FO52h	59	59
19.05	DB6LE	EO52g	59	59
19.06	DC4VC/p	EO	59	59
19.06	DL4LAM	FO51d	59	59
19.07	DB1LH	FO52h	59	59
19.08	DF5LQ	EO50j	59	59
19.11	DL1FG	FO52h	59	59

11 July 1982 wkd:

11.19	OZ4VV	EQ17a	59	59
11.20	SM7FMX	GP	59	59
11.24	OZ9QV	GP22f	59	59
11.25	OZ1FTU	GP23h	57	59
11.26	OZ1FDH	GP22c	59	59
11.28	OZ1DOQ	FP08d	59	59
11.29	OZ5IQ	FP	54	57
11.34	OH1ZAA	KW38h	55	59
11.36	OZ3NH	EQ	59	59
11.37	OZ1FGP	EQ68a	55	55
11.38	OZ9QV	GP21f	58	59
11.40	OZ2GZ	FP10f	59	59
11.42	OZ9FW	GP31b	59	59

345

Here are some informations on my ES activity:

This year the sporadic E was not so good in GF square. I made the following QSOs:

5/6/82	1820	F6GLQ	YI	59 59
	1957	F1JG	CD	54 54
	2017	EA3MM	AB	52 52 beam 280°
18/6/82	1703	EA7PZ	XX	59 59
	1705	EA7APD	XX	59 59
	1706	EA7DVD	XX	59 59
11/7/82	1026	LZ2FA	ND	559 559 beaming 80° (side scatter?)
16/7/82	1710	UB5MCM	TI	559 599 C?
	1718	UA6YAF	TE	599 599
18/7/82	1941	EA3AIR	BB	559 529 (280°)
	1955	EA3LL	AB	55 52 (280°)
21/7/82	1558	EA5HM/4	YZ	59 59
	1617	EA7DVD	XX	59 59
	1620	ANØ7KU	WX	59 56
	1627	EA5CTB	ZX	59 59
	1631	EA7BIH	YX	59 58
	1641	EA7PZ	XX	59 59
	1645	EA7BVD	XX	59 59
30/7/82	1213	OZ1EYX	GQ	599 599
	1214	OZ1FDH	GP	599 599
15/8/82	1410	EA4CJ	XA	59 59

Some informations on my Tropo activity:

2/7/82	2040	F6KAW/EA6	CZ	55 55
17/6/82	2125	F1CYB	BH	52 52
3/7/82	2029	ISØCSX/P	EZ	55 59
10/7/82	1810	F1KAW/EA6	BA	54 54
	2200	F1KAW/EA6	BA	57 59
18/7/82	1820	F6FHP/P	CE	559 539
1/8/82	1313	IH9ONU	GW	55 59
2/8/82	1627	IH9ONU	FW	56 56
14/8/82	XXXXXXXXX	1700-1720	4U1ITU	DG 559 519
15/8/82	1347	EA3CCK/6	BZ	51 51
20/8/82	1714	4U1ITU	DG	559 519
4/9/82	1857	F2LY/P	CF	55 59

Giuliano Artico i3LGP

YU7BCX and YU7EW (KN24f) via sporadic E:

26.06.82	08.37	RA5IW	59	59	ZZ49h	1844km	
07.07.82	07.58	UG6AD	569	569	WA63j	2026km	QTF=75°!!!
	16.08	UA3QHS	599	599	TL27c	1526km	
	16.10	UA3QAI	599	599	TL27c	1526km	
	18.03	RC2WBR	599	599	NP75g	1133km	
	18.28	OH2XN	59	59	MU57e	1653km	
	19.13	OH5LK	599	599	NU87g	1712km	
	19.18	OH4UC	599	599	NV17a	1850km	
09.07.82	17.57	RA3RAS	59	59	UM28g	1693km	
	18.03	UA3QIN	599	599	TL27c	1524km	
	18.12	UA3QHS	599	599	TL27b	1526km	
	18.26	UA3RFS	599	599	UM08j	1706km	
	18.32	UB5ACA	59	59	RK33h	1159km	
	18.34	RB5LGX	599	599	RK50g	1245km	
10.07.82	12.28	4X4IX	57	57	KS65f	1933km	
	12.29	4X6AG	599	559	Tel Aviv		
11.07.82	09.11	RA3RAS	59	59	UM28g	1693km	
	09.12	UA4FCX	59	59	WN66h	1941km	
	09.13	UA4FCW	59	59	WN66h	1941km	
	09.19	UA3RFS	599	599	UM08j	1706km	
	10.45	UA3MBJ	599	559	SS78e	1787km	
27.07.82	17.10	UK3AAC	599	599	SP19e	1637km	
30.07.82	14.52	SMØLRN	59	57	JT71h	1505km	
	14.52	SMØFON	59	59	JT62a	1517km	
	14.55	SM2BYC	59	59	MZØ1h	2268km!	
	14.58	OH1AYQ	59	59	LW76f	1826km	
	15.05	OH3SE	599	599	LV5Øh	1771km	
04.08.82	14.42	4X4AS/m	59	59	Via R7 in Israel		
	14.43	4X4AH	59	59	"		
	14.44	4Z4RM	59	59	"		
	14.45	4X6FI	59	59	"		
	14.46	4X4WA	59	59	on 144,300 SSB		
	14.51	4Z4UR/p	59	59	Via R7 in Israel		
	14.57	4X4IX	59	59	KS65f	1933km	
	14.59	4X4GI/m	59	59	Via R7 in Israel		
	15.00	4X4AT	59	59	"		
	15.01	4X4DB	59	59	"		
	15.06	4Z4RM	59	59	Via R1 in Israel		
	15.12	JY9CF	59	57	RR1Øj	2010km	
	15.26	4X6DI	59	59	Via RØ in Israel		
	15.28	4X4UF/p	59	59	"		
	15.29	4Z4RG	59	59	"		
	15.30	4Z4AB	59	59	"		
	15.31	4X4AM	59	59	"		
	15.32	4Z4LQ	59	59	"		
	15.35	4X4WH	59	59	Via S2Ø		
	16.05	4X4DK	59	59	Via S22		
	16.08	4X4IS	55	56	RRØ4b	1948km	
08.08.82	06.59	EA3FD	59	59	BD22g	1539km	
	18.58	OZ4VV	59	59	EQ17a	1467km	
15.08.82	10.15	F1FXN/p	59	59	ZG63h	1635km	
	10.16	F1EAN	59	59	AG32f	1571km	
	10.21	F1FTB	59	59	ZH45d	1662km	
	10.28	F6ETI	59	58	YH24c	1826km	
	10.29	F1FHI	59	59	ZH63d	1693km	
	15.06	UG6AD	599	599	WA63j	2026km	
	15.38	RG6GMT	599	599	WA63e	2025km	
	17.16	4X4KT	57	56	KM16a	1884km	
	17.17	4Z4ZQ	59	59	KM16c	1892km	

HG1YA /IH63b/ worked via Es:

o8.o6	1554	UK5IEP	TI ..	hrd	
	55	UK5IEC	TI32f	QSOd	
	57	UK5EFC	RI46g	wkd	
	58	UK5EDT	RI58c	wkd	
	16oo	UW6MA	TH69c	wkd	
	o2	UB5IEP	TI51c	wkd	
	5o	UA6YAF	TE3oh	wkd	
	172o	EA1ED	VD59h	hrd	
	23	EA1ED	VD59h	wkd	
	26	EA7PZ	XXo6c	wkd	
	34	RA4ACO	WK78j !	wkd	
	38	EA1QJ	VD59h	wkd	
	44	UK5IHE	TI71d	wkd	
	18o2	UB5MMB	?	wkd	
	o2	EB4BG	YA52a	wkd	
	o4	EA1TA	VD59h	wkd	
o7.o7	152o	UA3QIN	TL27c	wkd	
	34	UA3RFS	UMo8j	wkd	
	36	UA3RFS	UMo8j	wkd	
	57	RA4ACO	WK78j	wkd	
	oo	UY5DE	SJo2c	wkd	
	1855	RC2WBR	NP74g	wkd	
11.o7	o9.15	RA4ACO	WK78j	wkd	
	25	UA4CAV	XM8oe !	wkd	
	31	UA4CDT	YLo1h !!	wkd	
	35	UA4CAV	XM8oe	wkd	
	1o37	UA3TBM	VQ51a	wkd	
	38	UA3TCF	WQ14a	wkd	
	39	UA3DHC	TQ71c	wkd	
	41	UK3AAC	SP19e	wkd	
	1132	UW3GU	TP31a	wkd	

G3PBV (YK32b) wkd 8

25.May
15o3 SM3COL IW
15o8 SK3LH JX
SM2BHX hrd
SM2CFG JX hrd
1518 SM2GHI MZ wkd 2315 km
SM2CKR KX hrd
1533 end of opening

5.June 1616-19oo UTC
IJ7ET IA IØJU GB
I7VHV IA I1ANP/1 EE
I7IBF IA IØAKP GB
IT9TDN HY IØEWP GB
I8HAU/8 IY IC8ZUQ HA
I5KKW FD IØSWW GB
I2CVC/7 HB I7HCB
IØFVX GB IØLYL GB
IØAMU GB IWØAIJ GB
IWØAKA GB IØHUB CC
IØNCP GB I5PIW FD
IØUCM GB I5ELQ FD
IW5AHP FD IW5ADF FD
IØMNI GC IW5AVM FC

8.June
1721-1818 9H1BT HV hrd
181o-1815 ISØRHF hrd

17.July
16o3 SM2BLD JX hrd
1623 SM3COL IW wkd
1626 SM2BLD hrd
1632 SM2CKR KX hrd
1634 SM2BYC MZ hrd
1635 end of opening

tnx reports DAVE

DC9DX (FN53f) wkd

5.June
1747 EA3ABK BB wkd
1814 EA7AYD wkd
1826 F1FBE AD28c wkd
1828 EA5AKI hrd
183o EA5MR hrd

7.July
1833 UB5GBZ QG24f wkd
1831 UB5HB wkd
1838 UB5GBY QG24f wkd
184o UB5JIN REole wkd
1842 UB5CBZ QG24f wkd
1849 UY5HF QG24f wkd
1855 UB5BSJ RE wkd

15.August
1o18 TSØUXZ LZ73q hrd
1134 EA4QR YA44h wkd

SPORADIC E.	ON7HP CL62d				
07/06/81	16.15	RA 5 EHT	5/9	5/9	RI 33 J
	16.20	RA 5 EHB	5/9	5/9	RI 52 C
	16.54	UB 5 EGQ	5/9	5/9	RI 56 A
	16.55	UB 5 EDS	5/9	5/9	RI 56 A
	17.37	SP 8 AOV	5/9	5/9	LL 53 D
	17.56	SP 5 EPT	5/7	5/9	KM 65 J
09/06/81	15.30	9 H 1 BT	5/9	5/9	HV 12 B
	15.50	9 H 1 GK	5/9	5/9	HV 13 H
10/06/81	16.55	SV 1 DH	5/9	5/9	LX Ø9 A
	16.56	SV 4 LD	5/9	5/9	LZ 11 A
11/06/81	15.45	UB 5 GBY	5/9	5/9	QG 24 F
18/06/81	15.50	9 H 1 BT	5/9	5/9	HV 12 B
10/07/81	15.50	EA 1 KV	5/9	5/9	VC 67 A
	15.55	EA 1 YV	5/9	5/9	VC 67 H
	16.25	CT 1 ADS	5/9	5/9	WA 31 C
	16.50	EA 1 AFD	5/9	5/9 F.M.	XC 72 E
	18.25	CT 1 AMK	5/9	5/9 S.S.B.	VB 67 D
	18.30	EA 1 QJ	5/9	5/9	VD 59 H
15/07/81	14.56	I Ø LYL	5/9	5/9	GB 32 C
	14.58	IT 9 CYH	5/9	5/9	HY 68 H
	14.59	I Ø KHY	5/9	5/9	GB 14 A
	15.00	I 8 WY	5/9	5/9	HA Ø2 F
	15.02	I Ø AKP	5/9	5/9	GB 13 H
11/08/81	17.57 + 18.10	EA 7 PZ	5/7	5/7	XX Ø6 C
	18.15	EA 7 AGX	5/9	5/9	WW
	18.30	CT 1 ABG	5/9	5/9	?
	18.40	EA 7 AGX	5/9	5/9	MALAGA
	18.55	CN 8 BA	5/9	5/9	WT 6Ø D
	19.00	EA 6 APV	5/9	5/9	WX 6Ø D
	19.05	EA 7 RS	5/9	5/9	MALAGA
11/08/81	19.15 EB 7 IY		5/9	5/9	WW 13 B
	19.20 EA 9 IA		5/9	5/9	XV ?
	19.25 EA 7 UH		5/9	5/9	WX 78 F
	19.30 EA 9 GZ		5/9	5/9	XV 13 ? (CUETA N-AFR

317

SM3COL worked one of the very unusual E$_s$ from Northern Sweden to :

~~xxxxx~~	25.May 1982			
1456	gw8tbg	59	59	yl21b
1500	g4asr	59	59	ym76d
01	g3unu	59	59	zm04c
02	g3pbv	59	59	yk32b
03	gw8jly	59	59	yl34d
03	g8omj	57	55	~~xx~~k45e xk45e
04	g8kbq	59	59	yl77
05	g8mxp	59	59	yl50c
05	g8mxe	59	59	xk08j
06	g6hkt	59	57	yl57e
07	g4nku	59	59	yl50c
08	g3dss	59	59	yk09j
09	g8mfj	59	59	zl42g
10	g8mxe	59	56	xk08j
11	g6hcz	59	59	yn60b
11	g4nqx	59	59	zn35d
12	g8mlj	55	59	ZL
12	g3chn	59	59	yk61b
13	g24lxo	59	59	yl34d
14	g8okd	59	59	ym79a
14	guya	59	59	zm12c
15	g6dtd	59	59	yn48f
15	g4ijj	59	59	zl18b
16	g4dsc	59	59	
16	g6dfe	52	53	xk73a
17	gw8jly	59	59	yl34d
17	g8kgf	59	59	zm
18	gw8vfq	59	59	yl21f
19	g8onn	59	59	yk23b
19	g8ift	57	59	-
20	gw8wsj	57	59	yl25d
21	g6gkz	57	59	Midlands
~~xx~~23	g8boy/p	59	57	zo 2,5 w + 5/8 ~~wh~~ant~~p~~
26	g8lgx	59	58	zm21g
27	g6htk	57	57	yn38j
28	g6hll	59	59+20	yn68j
29	g8nns	59	59	yn45c
30	g8vzw	57	59	~~xx~~xxx zn12e
37	g4jhd	55	56 ~~x~~	yo27d
57	gi3rxv	599	599	wo18f londonderry
58	gi3rxv	59	59	-"- -"-
59	gm3san	59	57	xp59e
1605	ei8aub	59	59+20	vn-square

Stations active in sweden as far as I know was
sm2zhi (mz), sm2bhx,(kz), sm2aka(kz), sm2ckr (kx), sm2cfg (kx)
sm3jaw (jx), sm3ycr (jx), sm3kjb (jx), sm3aft (iw)
sm2chi in mz is what I know of the most northerly station working Sp E.

I have got reports from F6eoq (yi), some PA-s that I have been heard during the opening around 15.15

DF8AE EM73e wkd :

5.June 82

1943 EA5AGV ZZ 59
1946 EA5IO ZX26q 59 55

7.July 82

1810 UB5ICR SH39h 599 599
1838 UB5ECM QI77a 599 599
1850 UB5QDM RH44h 599 599
1900 UY5HF QG24f 59 59

11.July 82

1033 UB5GHB QGo9d 59 59
1124 RB5IOJ SH 599 599
1127 UK5EDT RI58c 559 559

15.August

1158 EA4QR YA44h 59 57
1206 EB4RS YA 53 59

alls qsos with 25W and 11 ele

DK2LM EJ21f wkd

5.June 82

1633 IT9IKG GY73e 59 59
1634 IT9JLG GY73e 59 59
1821 EA1TH YC48b 59 58

7.July 82

1859 RB5LGX RK5øq 599 599
1903 UA3TCF RK30e 599 599

ON7LH CKo3f wkd

5.June 82

1632 IT9TDN HY68b 59 59
1634 IT9JLU HY68a 59 59
1636 I8HAU IY31h 59 59

7.July 82

1900 UK5EFC RI46g 599 599
UK5ECM QI77a hrd
before, at
1520 RA3YCR RN52f 59 59

OK3CDR II66c wkd: 9.June

0828 SV1JZ LY79a 59 58

9.July 82

1824 UB5LHJ SJ19d 599 599
1828 UB5IEP SI51c 599 599
1837 UK5IEC II32c 599 599

11.July 82

0934 UA4CDT YL01h 59 57
0939 UA4CAV XM80e 59 59
1043 UA3TCF WQ14a 599 599

16.July 82

1656 UA3TCF WQ14a 599 599
1658 UW3GU IP31a 599 599
1659 UA3XBS SP73c 599 599
1708 UB5ICR SH39h 599 599

OK3CDR II66c wkd:

16.July 82

1656 UA3TCF WQ14a 599 599
1658 UW3GU IP31a 599 599
1659 UA3XBS SP73c 599 599
1708 UB5ICR SH39h 599 599

UA3TBM WQ51j wkd :

0910 LZ2AR LD67c 599 559
0912 LZ2WL/p LC55h 599 559
0913 LZ1LW LC55g 599 559
0914 LZ1WY/p LC55a 599 599
0915 LZ1KKA LC54c 599 599
0918 LZ1KVF LC64h 599 599
1034 HG5AIR 559 539
1035 HG1KYY IH 559 559
1037 HG1YA 599 599
1039 OK3KNM 559 559
1041 OK3CNW 559 559
1044 OK3RMW 599 579
1049 OK2LG 599 579

SM6CEN FR40b wkd

5.June

1814 EA5CVD ZZ48b 59 59
1825 EA3ADW BB22g 55 55
1845 EA5IO ZX26e 59 59 2390km
hrd: EA5AKI ZZ EA3DF7 BB
EA3BHU AB ED5RA ZY
and many others

DK2ZF NEW QTH: DN37g wkd

7.July

1800 UB5GHB QGo9d 579 579 2013km
1807 UB5ZI QGo5a 579 579
1815 RB5GBP RG73f 57 HRD
1832 UB5GFS RG51c 55 HRD 2073km
1836 UY5HF QG24f 599 599 1954km
1843 UB5JIW RF 579 599
1846 RB5GBP HTD
1849 UB5JIW 599 HRD
1852 UB5GBY QG24f 59 59
1853 UB5GFS RG51e 59 59 2073km
1830-
1850 UK5GAA BEACON QGo5d 144,371 MHz
539 to 569!
1858 UY5HF 59 59
1905 UB5JIN RE 59 59
1909 UB5ZI QGo5a 559 579
P A U S E until
2001 UO5WU OF 559 599
2002 UO5AP QG05h 559 559 1692km

DK 6 AS (FM44d) wkd via Es:

31.5.82

1824 UA6YAF TE 599 hrd
27 UB5JIN RE 599 hrd

5.6.82

1824 F1AXP/p ZC10b 58 59
26 EA4APX YZ45f 59 59
26 EA4QV YA42f 59 59
27 EB4YD ? 59 59
27 EA4AAD YA41a 59 59
29 EA3KC ABØ3a 59 59
30 F6GWL/p AE48j 59 59
31 EA5CVD ZZ48b 59 59
EA3ADW BB 59 hrd
32 EA5IO ZX26e 59 59
EA3AWD BB 59 hrd
34 EA5FN ZZ49h 59 59
36 EB5AZT ZY10h 57 55
38 EA4QR YA34j 59 59
40 EA7AYD YXØ4f 59 59
48 EA4CY XYØ1b 59 59
EA3BBU AC 59 hrd
54 EA4QV YA42f 59 59
1911 EA5KA ZZ48g 59 59
12 EA5MR ZZ48g 59 59
20 EA4AAW WZ48g 59 59
23 EA7CRL ZW 53 55
28 EA7XY YX54e 59 59
34 EA5AX AA 55 55
36 EB3HQ AB12h 59 59

8.6.82

1907 EB1MS XCØ1b 59 57
38 CT4KQ WA31e 53 hrd

7.7.82

1841 UB5GBZ QG21f 59 59
43 UB5GFS RG59c 59 59
45 UB5JIN REØ1c 59 59
51 UB5GHR QGØ9d 59 59
52 UB5QDM RH 599 599
53 UB5ECM QI77a 599 599
55 UB5YCM ? 579 599
1905 UB5CAO PI21b 59 59
2006 UB5YCU NI 59 59

RB5EHT RI33j (reports via UK5EDT)

03.07.82

0807 UD6DFD YA50h 59 59
0850 UA6HFY VE 59 59

07.07.82

1800 DD1DA DL 59 59
1802 DB1DC 59 59
1805 DK9TFA 59 59
1807 DF5DL 59 59
1843 DL4TR 59 59
1843 DF7VX EL24 59 59
1845 DG1JY 59 59

16.7.82

1638 UA6YAF TEØh 599 599
UB5GHB QG 59 59
40 UB5JIN RE 59 59
47 UW6CU UF ? 599 599
51 UA3QER TL66f 599 599
52 UA3QIN TL22f 599 599
54 RB5LGX RKØq 599 599
57 UA3ZCG ? 599 599
1810 UY5OE SK 599 599
18 UK5IEC TI32f 599 599
19 UB5MCM ? 599 599

27.7.82

1711 UA6YAF TE 59 59
13 UA6YAF TE 599 599
17 UA6ABP ? 599 599
1805 UB5ICR SH 599 599

15.8.82

1137 EA4QR YA44h 55 57
1225 F6BSJ 55 hrd
1347 EA1BLA VD39e 59 57

New ODX with UA6YAF: 2260km.

TNX ANDY FÜR DEN BERICHT IN SCHREIBMASCHINE. Würden alle Berichte so sauber auf der Maschine getippt werden: Wir vom DUBUS-Team hätten eine große Arbeitserleichterung
DK2ZF

UK5EDT RI58e

09.07.82

1805 RA3RAS HRD 57
1816 OK2HGX HRD 569
1819 OK1MWI IK32a 599 569
1834 Y21IF HL12d 559 559

11.07.82

1038 SMØLRN JT71h 599 559
1043 SM5IXE IS21c 599 579
1101 DF7VX EL24c 559 559
1118 DH5BAC EM62d 559 559
1125 DF8RD 559 559
1125 Y22QG FM69h 599 599
1131 DH5BAC EM62d 59 59
1136 SM5AKU 559 569
1142 Y23FG FM69h 59 59

27.07.82

1719 DL4RBK EJ50h 559 559

RB5EHT RI33j all RST 59/59

1846 DG1JU 1848 DG1DJ 1849 DL6EA
1850 DJ7YP 1851 DD8DG 1851 DL6NX
1854 ON6HP 1855 Y45ZH 1856 PA3CCS
1858 DL1EAF 1859 PAØHIP 1900 ON1DU

05.06. 1982.

17.03	EA1TA	59	59	VD58b ODX
18.08	EA3ADW	59	58	BB22g
18.25	EA3AIR	53	53	BB41e
18.33	F6CRP/P	59	59	

08.06. 1982.

14.40	UW6MA	599	599	TH

26.06. 1982.

17.47	EA3AIR	539	559	BB41e

07.07. 1982.

15.48	UK3AAC	599	599	SP19e
16.14	UA3CAV	58	58	XMSØe
16.29	UA3QER	569	579	TL36b
19.44	EA3AIR	56	52	BB41e

11.07. 1982.

09.03.	UA4CDT	579	579	YLØ1h
09.33	UA4FCW	59	59	WN66h
09.34	UA3RFS	599	599	UMØ8j
09.38	RA3RAS	59	59	UM28
12.00	UK3AAC	599	QRM	SP19e

16.07. 1982. HG8ET/3 from: IH63b

18.28	UA3PDY	599	599	SNØ8a

30.07. 1982.

12.03	G8KBQ	59	59	YL77h
12.04	C8TPF	59	59	AM68a
12.04	G5MZE	57	55	
12.05	G4CLA	59	59	
12.05	GW8JLY	59	59	YL34d
12.06	G4IXGU	57	57	XKØ9f
12.07	GW8ZUK	59	59	
12.08	PA2CHR	57	58	CLØ9b
12.09	G4EMH	55	58	
12.09	G3NSM	59	59	ZL15e
12.10	ON7EH	59	59	CKØ3f
12.10	G8BWR	55	59	ZM53g
12.12	G3XSH	55	55	ZK04g
12.14	G8MXP	59	59	YL5Øc
12.15	G6IUT	57	59	AL62g
12.16	G8XBB	59	59	ZM79j
12.17	PEØPDV	55	59	BL48c
12.17	PEØPEV	55	59	BL38c
12.17	G4XMS	59	59	XKØ9f
12.18	G8YQI	58	57	ZL39f
12.19	G6BBW	55	QRM	
12.20	G3LIG	55	QRM	
12.21	PE1BNK	56	59	CM76e
12.22	PAØRYK	56	QRM	
12.23	PAØCHR	56	55	CL45b
12.27	PA2VST	55	55	CM24j
15.07	OH3SE	599	599	LV5Øh
15.13	OH2BCI	559	559	LU4Øc

DK5AI (FL33b) wkd via ES:

82o6o5

1815	EA1TH	YC48b	59	58
1823	EA1AAD	YA41d	59	59
1825	EA1QV	YA42f	59	59
1832	EA7AYD	YA75f	59	59
1835	ED5H		55	55
1839	F1FBE	AD28c	55	55
1936	EA7XY	YA54e	55	55

82o716

1628	UA6YAF	TE3Øh	599	599
1631	UB5GFS	RG51c	599	599
1633	RB5GBP		57	57
1638	UW6MA	TH69e	599	599
1618	UA3QIN	TL27c	599	599
1704	UA3QMM	TL46d	599	599

1710	UB5GHY	QG24f	59	59
1711	UY5HF	QG24f	59	59
1712	UB5GAN	QG24f	59	59
1807	UY5OU	SK71e	599	599
1808	RB5LGX	RK3Øg	599	599
1810	UK5LCE	RK5Øe	599	599
1811	UB5LEF	S.f	579	579

82o6o8

1727	EA7ABG	YA42e	55	55
1736	EA7FZ	YAØ6e	59	59
1741	EA4BJN		59	59 PM
1813	EA4AFW	YYØ1a	56	57

379

PE1AAP - QM67d.

ES - verbindungen 1981 :

11-6-'81	15.23	UB5GBY	QG24f	59 59 2052km.
	15.33	UY5HF	QG24f	57 57 2052
17-6-'81	14.58	9H1GB	HV13a	56 55 1949
	15.00	9H1BT	HV12b	59 59 1946
	15.03	9H1CE	HV03e	55 56 1945
	15.22	9H1CG	HV03e	56 59 1945
	15.32	9H1GK	HV13h	55 55 1947
10-7-'81	15.37	CT4IB	VB67c	59 59 1615
	15.47	CT1WW	WB63b	59 59 1553
	16.26	EA1CR	XD32d	59 59 1260
	16.36	CT1ADS	WA31c	56 59 1633

ES - verbindungen 1982 :

5-6-'82	16.24	IW9ALA/9	GY66e	59 59 1668
	16.25	9H1BT	HV12b	59 59 1946
	16.27	IT9JLG	GY73e	59 59 1665
	16.31	IT9EWG/9	GY67c	59 59 1671
	16.33	IW9ANO/9	GY67f	59 59 1672
	16.34	9H1CD	HV03e	59 59 1945
	18.30	EA3ADW	BB22g	59 59 1187
	18.32	EB6CG	BZ34g	59 59 1415
	18.35	F1JG	CD24j	59 59 942
8-6-'82	18.17	EA3LL	AB56b	59 59 1241
30-7-'82	11.59	LZ1AB	LG27d	54 53 1720
	12.07	YU1HFG	KG10b	59 59 1603
	12.24	YU7AR	KF01c	59 59 1277
15-8-'82	14.50	EA3CCK/6	BZ45j	56 55 1426
	14.52	EA6AU	BZ55b	59 59 1434

Alle verbindungen in SSB.
Station : TS-700 + QQE 06/40 PA, output 50 watt PEP.
16 el. TONNA, 13m. ü. Gr./NN.

Verbindungen sind auch an PAØXMA gemeldet worden.

PLEASE NOTE: IARU REGION 1 - 144.000 – 144.150MHZ CW ONLY !

320

YU 2 JL (HD3Øa) wkd 2m ES:

05.06.1982.

18.09	F6EOQ	59/59	YI13d
10	GJ4ICD	59/59	YJ7Ø
15	F6GIQ	59/59	YI54d
18	F6FOE	59/59	YI13c
20	F6DBI	59/59	YI13d
27	F6GIQ	59/59	YI54d
30	F1CVH	59/59	YI65f
36	G3GHA	59	
53	GI8TBQ	59/59	XO33j
59	GI8TBQ	59/59	XO33j
19.28	F6GIQ	55/59	YI54d
28	F6CGJ	59/59	XI48■
35	F6EOQ	59/59	YI13d
42	F6GIQ	59/59	YI54d
46	F6CPR	59/59	YI
58	F6ER?	539	

08.06.1982.

16.58	UK5IEC	599/599	TI
58	UB5ICR	599/599	SH39h
17.46	EA7PZ	59/59	XXØ6c
49	EA1ED	59/59	VD59h
18.01	EA1NU	59/51	XD32d
07	EA1QJ	59/59	VD59h
19	UB5JIN	59/59	RE
25	YO4AUL	599	OE
26	YO4YT	599/599	OE64g

18.06.1982.

16.31	EB4BK	55/55	YA42f
33	EA4BK	57/57	YA42f
34	CT1BYL	55	
37	EA4BK	59/59	YA42f
38	EA7ABG	59/59	YX..e
39	EB4DF	59/58	YA42f
41	CT1BYL	57/59Ø	VY
53	EA7APD	57/55	XXØ6
56	CT1BYL	55/55	VY
59	EA7PZ	59/59	XXØ6c

11.07.1982.

11.26	UA3LAW	559	PO26g
28	UA3MBJ	599	SS78e
30	UK3AAC	579	SP
31	UA3DHC	579	TQ

No qso!My keyer stoped to work just in this famous 5 minutes.

21.07.1982.

14.37	EA7AG	59/59	YW18b

30.07.1982.

12.10	OZ1DPR	33	
12	SM2...	33	

73's Boban

DDØHR (FN21f) wkd via Es:

5. 6.82

17.5o	EA 7 AYD	YX74f	59	59
18.21	EA 5 AKI	ZZ39j	59	59
18.55	EA3 BBU	AB2Ø	59	59
19.26	EB 3 IH	AB	59	59
19.33	EA 5 MR	ZZ48d	59	59
19.34	EA 5 AKI	ZZ39j	59	59
19.41	EB 5 AZT	ZY	59	59
?	EA 7 AG	ZWØ1h	59	hrd
?	EA3AIR	BB41e	59+	hrd
?	EA 5 KC	?	59	hrd

7. 7.82

18.41	RB 5 ??	RE	59	59
18.47	UB 5 JIN	RE	59	59
18.53	UB 5 GBY	QG	59	59
18.55	UY 5 HF	QG	59	59
18.58	UB 5 GBZ	QG	59	59
19.o9	UB 5 GBZ	QG	59	59+

HG1YA / IH63b / worked via Es :

16.o7.

1451	RA4ACO	WK78j	
1632	UB5ABN	RK4og	
1634	RB5LAA	SJold	
35	UB5LNR	RJ2of	
41	UK9FER	?	!!
45	UW3GU	TP31a	
46	RB5LGX	RK5ob	
48	UA3XBS	SP71c	
52	UA3ZCG	RK3oo	
58	RA3DCI	TQ71e	
17o1	RA3AGS	SP	
o3	UA3TCF	WQ14a	
o6	UA3PBY	SNo8a	
18o8	UA3FBT	SO69a	
1o	UB5WBL	?	Es?
12	UA3PBY	SNo8a	
23	RA3YCR	RN52f	

PA2CHR (no QTH given!)

5.June 1982

1625 IT9IKG GY73c 59 59
1632 IW9ANO/9 GY67f 59 59
1634 9H1BT HV12b 59 59
1635 IT9IWG/9 GY67c 59 59
1637 9H1CD HVo3c 59 59
1641 IT9OWA/9 HX32g 59 59
1938 EB6CG BZ34g 59 59
1942 EA6BK BZ34d 59 hrd
8.June 82
18o7 EA5YS ZZ68j 59 hrd
1812 EA6FB AYo7j 59 hrd
1829 EA1FE YA 52 hrd

DG4NAE EJo6a wkd/hrd

5.June 82

1614 EA4QR YA44h 59++ 59
21 13 EA4QV YA42f 57 57
hrd EA3 IT9 IK8

DF9PY DK65g wkd

5.June 82
1623 IT9IKG GY73e 59 59 1425km
1626 IT9VHS GY74j 59 59 1426km
1627 IT9JTC GY73e 59 59 1425km
163o 9H1BT HV12b 59 59 17o5km
1633 9H1CK HV13h 59 59 17o7km
1636 IT9EWG GY67c 59 59 1431km

8.June 82

UB5ICR SH39h wkd :

31.May 1982

174o OK1ATQ HK 579 579
1742 HG2MU 579 hrd

8.June 1982

143o YU3ZV HG 599 599
1437 YU2CMS IG 599 599
1442 HG8CE KG 579 579
1444 HG7PR JH 579 579
1445 YU2SZ IG 579 579
1449 OK2BUG IJ 599 599
1451 OK2BFT IJ 599 599
1452 OK3AU KI 599 599
1453 OK3KNM JI 599 599
1454 OK3KCM/p JI 599 599
1456 OK3RMW JI 599 599
1457 HG6NQ JI 599 599
1458 HG1YA IH 599 599
1459 OK3TLG JI 599 599
15o2 OE3PUW II 599 599

1654 YU2IQ HE 599 599

1728 HG2ML 599 599
1739 OK2KZR/p IJ 599 599
174o OK2LG II 599 599
1742 Y22ME HM 569 569
1743 Y21IF HL 599 599
1745 OK3KKF II 599 599
1748 OE3NDA II 599 599
1749 Y21RE HM 559 579
1823 OK3KNM JI 599 599
+ + + + + + + + + + + + + +

DF9PY DK65g wkd:

8.June 82

1723 EA7PZ XXo6c 59 59 1653km
1812 EA4AUD YA75c 59 59 137okm
strong QSB - like MS

OE1APS II63g wkd :

5.June 82

1829 EA1TA VD58b
1922 EA1ACD VD58b
1945 EA1ED VD59h

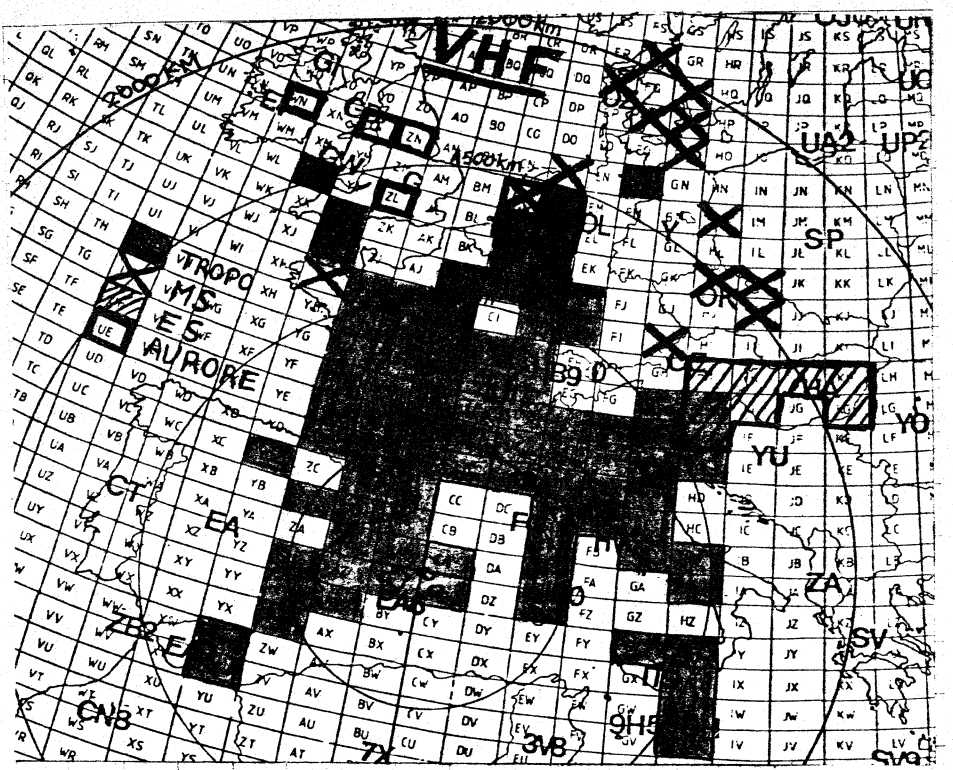
8.June

EA1ED VD59h EA1QJ VD59h EA1NU XD32d
EA1CR XD32d EA1TA VD58b

16.July
UB5LHJ SJ19d RB5LAA SJ1od UB5LNR RJ2of
UB5IEP TI51c RB5ITP SI80d UW6MA TH69c

UB5LAK wkd 3.July 82

o649 UD6DFD YA5Oh 599
o659 UD6DFD YA5oh 599 599 ++
o7oo UD6DKU YA 599 599
o7o6 UW6MA TH69c 599 599
o836 UD6DII YA 599 599



Worked squares of the VHF-UHF-DX-Expedition by F1/F6KAW

in EA6 Minorque Island

Neue Baken in G

GB3CTC	70.030	XK46d	4ØERP	2el.yagi	45°	320m	F1a
GB3WHA	70.040	AL71d	16ERP	2el.yagi	315°	168m	F1a
GB3BUX	70.050	ZN61a	2ØERP	2xturnst.	omni	460m	A1a,F1a
GB3ANG	70.060	YQ35c	100ERP	4el.yagi	160°	370m	A1a
GB3CTC	432.975	XK46d	5ERP	4el.yagi	45°	320m	F1a
GB3ANG	432.990	YQ35c	100ERP	9el.yagi	170°	370m	F1a

Die Daten folgender G Baken haben sich geändert.

GB3CTC	144.915	XK46d	40ERP	3el.yagi	45°	320m	A1a
GB3VHF	144.925	AL52j	50ERP	2x3el.yagi	288.348	275m	F1a,F1b

BEACON NEWS

by DL 7 RU

DBØAA

Die Bake DBØAA (QRG 432.001 MHz, QTH: DL64c) ist seit 2 Jahren nicht mehr QRV und deshalb aus der Bakenliste zu streichen.
INFO: DJ3EB

DKØOE

Die Daten der Bake DKØOE haben sich wie folgt geändert:

DKØOE	144.915	DK12f	1W	10 el.yagi	NNE	165m	F1
DKØOE	432.087	DK12f	1.5W	19 el.yagi	NNE	165m	F1
DKØOE	1296.100	DK12f	0.3W	15 el.yagi	NNE	165m	F1

INFO: DL9KAW

Neue Hochleistungsbake DBØJO

Diese Bake wurde als Gegenstück zur 23cm Hochleistungsbake GB38PO erbaut.

DBØJO	1296.854	DL48a	35ØERP	4x15+15el. yagi	275°	218m	F1

Empfangsberichte bitte an: Jürgen Dahms, DCØDA, Brandbruchstr.17
D-4600 Dortmund 30

INFO: DCØDA

Neue 23cm Bake in Nordhessen DBØJC

Seit 15.Mai 1982 ist die Bake DBØJC in Nordhessen QRV.

DBØJC	1296.895	EKØ8f	1.5W	4el.slot	omni	620m	F1

Empfangsberichte bitte an DK2RH.

INFO: DK2RH

Neue 10 GHz Bake in Mönchengladbach-Windberg DBØJX

Seit kurzem ist die Bake DBØJX QRV. Die Besonderheit dieser Bake ist die vertikal-rundstrahlende Antenne!

DBØJX	10350.000	DL63a	0.1mW	spez.10dB	omni	115m	F2e

Empfangsberichte bitte an: Ullrich Allen, DL1ER, Andreasstr.240
4060 Viersen

LA1UHG	1295.995	FT63g	3W	big wheel	omni	75m	

INFO: LA3FV

VHF + NEWS + SKEDS + COMMENTS + SUPPLEMENTS

by DL 7 RU

Frech VHF-UHF-Expedition 1982 to EA6 Minorque Island

Members of the group: F1DTK-F6FLV-F6GIF-F6GWV-F6CWN-F6IFR and F6HCU

Time of activitie: Square CZØ1a 30.6.82 - 15.7.82
Square CA8Øg 10.7.82 - 11.7.82

Working conditions: in Square CZ 144MHz 4x16el 800W out BF981
432MHz 4x21el 100W out GASFET
10GHz 70cm parab. 100mW FM 100 MHz
in Sqaure CA 144MHz 1x16el 250W out

Result : 144MHz 28 country's CN,C3,DL,EA,EA6,EI,F,FC,G,GJ,GW,HA, H89,I,ISØ,IT9,LX,OE,OK,ON,OZ,PA,SM,Y,YU,3A,4U1,9H1,9H4

116 squares, 2000 QSO's about !

Result 432MHZ 8 country's EA,F,FC,I,ISØ,C3,IT9,9H1,CN.
32 squares and 90 QSO's.

QSL Manager: F1KAW and F6KAU. The special QSL card for this expedition will go about 1 year after receive the QSL to confirm a QSO !!

The group is planing a new VHF-UHF-DX pedition to the Azores Islands (CT2) in summer 1983 and (or) 1984.
The travel will be very expensive and so the group is looking for some "low cost" travel informations.
If you can help the group or if you have some of these informations please write to:

Jean-Pierre Malezet, F6FLV, 7rue Vidal de la Blache
75020 PARIS, France, telefon: (1) 363 24 48

OZ1DOQ and a group will be qrv from square DT38f (LA)
As we are going on a ski-ing tour to Norway, we will bring our VHF/UHF equipment. The QTH will be DT38f and we will QRV for Tropo and Aurora on 144MHz and 432MHz, the callsign will be OZ1FDJ/LA and operators : OZ1FDJ and OZ1DOQ, we will also be qrv at VHF-net for tropo or maybe a few MS skeds.
The equipment on 144MHz PA=4CX250 RX=1,5dB NF, ant=long yagi.
432MHz unknown at the present time.
Standby QRG: 144.060 CW, 144.260 SSB.

INFO: OZ1DOQ

EUROPEAN VHF TOP LIST — 144 MHZ

NR	CALL	QTH	WKD	TROPO	AURO	MS	ES
001	Y22NE	HM	419	1577	1579	2293	2157
002	DK6AS	FM	414	1460	1385	2510	1930
003	SM7AED	GQ	411	1522	1600	2274	2186
004	SM7FJE	GQ	407	1642	1600	2241	1761
005	PA0RDY	JO	374	1439	1353	2262	2295
006	DK5AI	FL	368	1565	1510	2375	2282
007	F6CJG/P	IF	357	1748	1892	2510	2836
008	DF3XU	FN	332	1643	1803	2106	2222
009	SM5BEI	JU	331	1525	1777	2702	2455
010	PA0QOM	IN	328	1485	1386	2310	2215
011	SM0FFS	JT	327	1620	1580	2030	2190
012	SM4IVE	HT	322	0950	1940	2026	2122
013	OZ1FDH	GP	318	1571	1600	1984	2283
014	UA3LBO	OO	316	1804	1959	2273	2467
015	I6NJB	HC	315	2224	1500	2214	2374
016	DK1KO	FN	315	1625	1745	2124	2194
017	SM5CHK	HS	315	1262	1753	1995	2060
018	HG1YA	IH	314	1612	1534	2183	2885
019	OZ1EYX	GQ	314	1420	1602	1839	2350
020	SP2DX	JO	313	1464	1730	2337	----
021	PA2VST	DM	313	1459	1803	2572	2221
022	DJ5MS	GI	308	1230	1460	2102	1930
023	DL1MF	GH	305	1530	1512	2085	1899
024	OZ1EKI	EP	301	1450	1777	2088	2273
025	DK4TG	DL	301	1410	1730	2449	2900
026	DL4EA	DL	300	1468	1723	2078	2247
027	DK3UZ	EN	295	1580	1807	2021	3100
028	DL7QY	GN	293	1402	1751	2353	1845
029	OK1KKH	HJ	288	1483	1618	2196	1848
030	OK3AU	KI	285	1508	1637	2065	2296
031	SM0HAX	JT	283	1700	1640	1650	2240
032	I4EXN	FE	279	1600	1520	1916	2670
033	OZ5PO	AL	278	1500	1566	2113	2000
034	PA3BIY	GN	276	1480	1850	2000	2296
035	F6DWG	BJ	276	1400	1613	2143	2448
036	DF5NA	EJ	275	1156	1120	2080	1709
037	OZ3FN	GP	273	1328	1618	1954	1963
038	LA2PT	FT	272	1438	1660	2020	2427
039	UR2RQT	MS	272	1210	1840	2172	----
040	SM5CUI	IT	271	1590	1600	2190	----
041	ON5QW	BL	270	1430	1625	2080	2150
042	I3LGF	GF	269	1000	1387	2020	3150
043	Y23ZI	FL	268	1785	1280	1925	2075
044	SM3EIU	HX	268	1460	1890	2260	2250
045	YU2IQ	HE	268	1210	----	1955	3462
046	Y21FL	GL	266	1760	1360	2110	1960
047	SP5JC	KM	266	1740	1740	1980	1861
048	PA0KDV	DN	265	1475	1610	2051	2236
049	OH3TH	LV	265	1355	1663	2217	2063
050	DF1OH	EN	264	1564	1671	2242	1961
051	DK2PR	EN	264	1445	1515	1940	2425
052	SM7GWJ	HS	264	1250	1770	1966	2007
053	Y23FG	FM	263	1560	1375	2010	2082
054	UR2EQ	HT	263	1245	1840	2240	2245
055	PA0FTF	OK	261	1500	1300	----	2900
056	SM4COK	HT	261	1440	1570	2080	1940
057	SM7NT	GF	260	1550	1680	1930	2180
058	I4EAT	FE	260	1550	1420	2240	2500
059	PA0WNN	CM	260	1303	1839	1997	2212
060	DK1PZ	FL	257	1567	1364	1867	1866
061	OH2BBF	LT	257	1388	2000	2125	2144
062	OZ1FTU	FP	257	1382	1558	1903	2315
063	EA3LL	AB	256	1995	----	2155	3215
064	UB5JIN	RE	256	1709	1497	2500	2826
065	DJ9CZ	DL	256	1650	1862	1925	2015
066	SM2CKR	KX	256	1630	1660	2310	1810
067	OZ1DOQ	GP	251	1353	1562	1879	2260
068	YU3ES	GF	251	1167	1004	2074	2483
069	YU1EU	KE	250	1680	----	2200	2380
070	DF1JC	DL	249	1270	1830	2048	2007
071	OE3XUA	HH	248	1610	1240	2160	1785
072	YO2IS	KF	248	1380	1775	2040	2360
073	SM5DRV	HR	248	1330	1410	1810	----
074	YU7EN	KF	246	1868	1172	1930	2425
075	SM0DJW	IS	246	1340	1810	1840	2160
076	I6NJB	HC	245	2075	1058	2214	2261
077	Y21FL	GL	244	1760	1360	2110	1960
078	F1FHI	ZH	244	1739	1292	2125	2467
079	ON4YZ	CK	241	1530	1510	----	2110
080	PA3AOU	DM	241	1392	1673	1763	2193
081	ON6UG	BL	241	1089	1013	2640	3296
082	OZ6OL	FP	239	1800	1700	----	1800
083	G4IGO	YL	239	1358	1770	1956	2198
084	SM4AKV	HT	238	1714	1760	1850	1960
085	OZ8SL	GP	238	1476	1305	----	2188
086	OH0JN	JU	238	1451	1856	2108	2198
087	YU7BCX	KF	237	1868	1172	1956	2425
088	SM3DCX	IV	237	1300	1850	1990	----
089	PA3BBA	CM	236	1300	1436	1907	2311
090	F8OP	CG	236	1228	1196	2028	2720
091	SM5BSZ	JT	233	1830	1720	1890	2080
092	DL7ZL	GM	232	1401	1254	3200	3800
093	SM5FRH	HT	231	1580	1690	1650	----
094	F6BSJ	CG	231	1354	1199	2050	2705
095	SM4GGC	GT	231	1286	1815	1856	1670
096	HG8ET	KG	231	1231	1118	2000	2182
097	OZ1CLL	GP	230	1369	1969	1443	2208
098	SM5CNQ	HS	228	1698	1751	1909	1843
099	G4DSC	ZO	228	1485	1342	1942	2285
100	OK1FM	GJ	226	1843	1438	2300	1827
101	SM3COL	IW	226	1784	1693	2122	2367
102	SM3AKW	IW	226	1600	1770	2150	2310
103	YU3CAB	HG	225	1463	1530	2165	3356
104	SM3UL	IV	225	1275	1521	2110	2363
105	G8FUF	AL	224	1810	1410	2466	1800
106	GJ4ICD	YJ	223	1620	1100	2050	2090
107	DK8VS	DJ	223	1350	1060	2240	3230
108	G3CHN	YK	222	2656	2138	----	2358
109	SM0IOT	JT	218	1300	1700	1820	2100
110	DF2ZC	DK	218	1090	1686	2004	2009
111	UC2AAB	NN	217	1350	1850	1980	2280
112	UR2GZ	MS	214	1357	1720	2141	2174
113	SM5EJN	IT	212	1770	1630	2240	1920
114	SM6CKU	GR	212	1530	1560	1470	1790
115	SM5AQJ	JT	212	1380	1580	1930	----
116	DK3XT	FN	211	1350	1430	1800	1990
117	SM5CHF	HS	208	1660	1750	1850	----
118	DF5DL	EL	208	1389	1596	2003	2020
119	SM0BYC	IT	207	1380	1710	1890	2390
120	OZ3GW	FQ	207	1340	1580	----	2338
121	YU1EV	KE	206	1650	----	2165	2200
122	F6CER	BI	206	1500	1350	1700	2300
123	UR3MBJ	SS	205	1200	1764	2573	2150
124	OK1MBS	HK	204	1465	1470	1371	2133
125	DF6QB	FM	203	1421	1349	1829	1863
126	SM4ARQ	HT	202	1750	1590	1950	1930
127	OZ3ZW	FO	202	1367	1863	----	1958
128	Y23PA	GO	202	1168	1150	1710	----
129	PA3GER	CL	201	1327	1249	2100	2118
130	SM3FGL	IV	200	1563	1620	1955	----
131	PA3BSK	DL	199	1387	1698	1230	2148
132	OZ1ASL	FO	199	1339	1675	1680	2323
133	I4XCC	GD	198	1950	1782	2275	2270
134	GGNSM	ZL	197	1489	1367	1872	2231
135	Y2400	GM	197	1250	960	1845	1840
136	Y24TN	GK	195	1790	1310	1920	1620
137	LA8AK	DS	195	1325	1722	1797	----
138	OE5JFL	GI	193	1503	1155	1964	1823
139	HG5KDO	JH	192	1307	----	1849	2195
140	SM5AGM	JT	191	1930	1740	----	2000
141	OK1KHI/P	HK	191	1835	1156	----	----
142	PA0BAT	DL	191	1078	1377	2498	2042
143	UR2RDR	MS	189	1200	1750	1600	2100
144	LA9BM	EU	189	1060	1375	1860	2165
145	I1DMP	DF	189	1901	930	1864	2718
146	DL7AN	GM	188	1310	1140	1936	1845
147	PA3AHD	CM	188	1279	1588	1940	1879
148	DK3LL	FO	187	1525	1187	1875	1812
149	SM7GEP	HR	185	1140	1423	1553	1902
150	SM4FXR	HT	184	1280	1430	1760	----
151	SM5FND	HT	181	1445	1601	1615	2060
152	G3SEK	ZL	179	1560	1681	1872	2154
153	SM0DFP	IT	178	1830	1590	2030	----
154	Y59UN	GK	178	1790	1220	1920	1630
155	SM5LE	JT	178	1440	1470	2190	----
156	UB5WN	FK	178	1376	1270	2410	1457
157	PA2CHR	CL	177	1370	1108	1695	2137
158	PA0CSL	CM	176	1528	1610	1750	1960
159	RP2TEJ	NT	176	1422	1760	----	2070
160	UA3TCF	WQ	176	0830	1974	2498	2184
161	UR2RGM	MT	175	1131	1763	1423	2157
162	ON6UG	BL	175	1089	1013	2640	1950
163	F6FHP	AE	172	1752	----	2243	2105
164	DB6BX	DM	171	1398	1094	----	2059
165	DL7WC	GM	171	1360	1240	1550	1800
166	PA0SGL	CM	171	1258	1513	1848	1772
167	DK2LM	EJ	171	1014	871	1956	1969
168	G3L0R	AM	170	1776	1772	2150	2077
169	UA1MC	FU	170	1500	1540	2145	----
170	F9FT	CJ	170	1440	1440	2017	----
171	SM5CPD	IT	169	1820	1210	1370	1960
172	UR2AO	MT	169	1162	1176	1792	2136
173	G3COJ	ZL	168	1630	1650	----	1852
174	OH0NC	KU	167	1533	1265	1647	2097
175	SM7JUQ	GP	167	1400	1650	1700	1600
176	UR2HW	LT	166	1380	1570	1797	----
177	DF5DE	EK	166	1186	1670	1845	1752
178	OH2BWL	MU	166	1056	1206	1804	2221
179	SP8AOV	LL	165	1224	1723	1821	1851

EUROPEAN UHF TOP LIST 432 MHZ

NR	CALL	QTH	WKD	TROPO	AURO
001	DL7QY	FJ	172	1368	1618
002	DL7YC	GM	169	1225	----
003	DF3XU	FN	165	1607	1057
004	OZ7IS	GP	142	1387	1000
005	DK5AI	FL	141	1162	535
006	DL7ZL	GM	136	1305	1249
007	PA0EZ	CM	132	1310	1028
008	F1FHI	ZH	127	1892	----
009	DJ9DL	DL	126	1274	615
010	DK6AS	FM	123	1360	620
011	PA0FRE	CL	122	1400	815
012	PA0WWM	CM	119	1342	726
013	Y22ME	HM	119	1246	874
014	SM3AKW	IW	117	1190	810
015	DB6BX	DM	114	1398	----
016	Y23FG	FM	113	1560	680
017	PE0AGO	DM	113	1382	----
018	G3LQR	AM	113	1343	873
019	OK1AIB/P	HK	113	1267	----
020	SM7BAE	GP	113	1220	850
021	OH3TH	LV	113	1199	943
022	DK0NA	FK	112	1096	----
023	SM5BEI	JU	110	1325	1016
024	DF3EE	DL	110	1267	1019
025	SM5CPD	IT	110	1230	640
026	ON5FF	BL	110	1170	736
027	SM5DWC	IT	109	1400	810
028	SM0FFS	JT	109	1380	740
029	SM6CKU	GR	108	1170	660
030	SM0FZH	JT	106	1900	957
031	OZ9FW	GP	106	1305	1035
032	SM6FYU	GQ	105	1441	706
033	DL4EA	DL	105	1265	1009
034	OK1KHI/P	HK	102	1424	----
035	GJ4ICD	YJ	102	1340	803
036	DK2NH	FN	101	1607	805
037	SM0DFP	IT	101	1410	830
038	OK1KIR/P	GK	101	1331	----
039	F6GNR	ZH	100	1894	----
040	OZ2OE	EP	99	1432	750
041	DJ6MB	DK	99	1253	921
042	DL7AN	GM	99	1240	----
043	OH0NC	KU	98	1437	920
044	DB6NT	FK	96	1505	----
045	DC9CSA	GM	96	1171	----
046	G3COJ	ZL	95	1465	812
047	UA3LBO	OO	94	1426	1203
048	OZ7LX	FP	93	1315	720
049	PA3BSK	DL	93	1129	----
050	DK1PZ	FL	93	1018	----
051	PA2DOL	CL	92	1088	----
052	SM0DYE	JT	91	1205	845
053	F9FT	CJ	90	0960	----
054	PA0JOZ	CM	89	1156	----
055	SM6HYG	FS	87	1410	600
056	DD2EK	DL	86	1284	----
057	G3UBX	YM	86	1101	----
058	DL7APV	GM	85	1305	850
059	Y23PA	GO	85	1102	----
060	OZ3GW	FQ	85	1090	620
061	F1BUU	ZE	84	1250	----
062	Y22HA	GO	83	1414	----
063	F6CER	BI	83	1350	500
064	ON5GF	CK	83	1115	----
065	ON7HP	??	83	0799	----
066	G3PBV	YK	81	1572	----
067	OK1AIY/P	HK	79	1351	----
068	DL7ACG	GM	79	1279	----
069	ON4YZ	CK	78	1460	----
070	DF1JC	DL	78	1270	----
071	DB5AQ	FL	78	1050	----
072	PA0VV	CM	77	1180	----
073	DL5FAU	EK	76	1120	----
074	Y22EN	GK	75	1395	----
075	OZ1EKI	EP	75	1044	527
076	DJ6XV	DL	75	0927	508
077	DL7HR	FI	74	1256	980
078	OE3XUA	HH	74	1215	----
079	OH2BBF	LT	74	1164	773
080	SM4IAZ	HT	73	1055	1134
081	Y23BD	GM	72	1150	----
082	DF7VX	EL	72	1105	658
083	DF2YQ	DL	72	1077	475
084	G8HVY	YK	71	1500	----
085	G4BEL	AM	71	1175	----
086	SM5CUI	IT	71	1150	1260
087	Y24BO	GM	71	1066	838
088	SM0CPA	IT	71	1060	800
089	DC7QH	GM	71	0960	509
090	SM7CFE	HQ	70	1420	----
091	OZ3ZW	FO	70	1237	613
092	DF5JJ	DL	70	0900	----
093	DF1OH	EM	68	1188	910
094	SM5CUL	IT	68	1150	1260
095	OZ9SW	EQ	65	1050	----
096	DG1NZ	FJ	65	0982	----
097	SM7FMD	HR	64	1594	----
098	DG4BB	EN	64	1194	----
099	G3WSN	AL	63	1385	----
100	DF6NA	EJ	63	1102	----
101	DG4GAN	EI	62	1506	----
102	UP2BBC	LP	62	1125	807
103	SP9FG	JJ	61	1327	----
104	F6CJG/P	BF	61	1170	----
105	SM5DSN	IT	60	1470	670
106	OK1KTL/P	GK	60	0993	----
107	ON6UG	BL	60	0970	420
108	DK8VS	DJ	60	0920	----
109	SM5LE	JT	59	1560	710
110	G8SFM	YL	59	1255	----
111	DL7RU	GM	59	1231	----
112	UR2EQ	NT	59	1160	907
113	DF3CK	PH	58	1144	867
114	SM7GEP	HR	58	1106	533
115	PE0DOL	CL	58	1033	----
116	HB9AOF	DG	57	0820	----
117	DF1EQ	DL	57	0811	----
118	PA3BGL	CN	56	1250	----
119	I6G0A	GD	56	0813	----
120	DK3UC	FN	55	1380	600
121	PA0JME	CL	54	1046	----
122	PA2HJS	CK	54	0832	----
123	Y240O	GM	53	1100	----
124	LA8AK	DS	53	1020	----
125	PA2CHR	CL	53	0980	----
126	DK1KO	FN	53	0920	----
127	PA0JTA	CL	52	0920	----
128	DL0SO/A	DL	52	0888	----
129	SM4AXV	HT	51	1330	550
130	SM6FHZ	GQ	50	1010	800
131	SM3IVE	HT	50	0938	703
132	HB9QQ	EH	49	1080	----
133	HA3BBA	CM	49	1028	----
134	Y21PL	GL	49	0828	----
135	YU3CAB	HG	49	0684	----
136	SP1DSU	HN	48	1340	730
137	UR2NW	T	48	1060	675
138	SP5JC	KM	46	1120	866
139	UR2RQT	MS	46	0853	853
140	SM3COL	IW	45	0621	455
141	SM7GWU	HS	44	1192	628
142	OZ1FDH	GP	44	1033	822
143	F6ECI	BI	44	0880	----
144	I2FUM/2	EE	44	0875	----
145	SM2CKR	KX	43	1215	820
146	DC9VA	DJ	43	0920	----
147	SM0AGP	IT	42	0740	410
148	SM4DHN	GU	41	1240	1030
149	DL7WC	GM	40	0795	----
150	GM3ZSS	YR	38	1400	----
151	HB9MIO/P	DH	38	1010	----
152	DK0IK/P	DO	38	0800	----
153	DK0UL/P	EI	38	0676	----
154	DL2OM	DK	38	0670	639
155	HG1YA	IH	38	0631	----
156	OE5XPL	HI	37	1176	----
157	HG2KML	JH	36	0600	----
158	UR2AO	MT	35	1131	----
159	UR2RGM	MT	35	0820	----
160	YU3USB/3	GG	35	0632	----
161	UA3MBJ	LS	34	1200	800
162	ON5QW	BL	34	0960	----
163	F6EAS	ZI	34	0630	----
164	SM3UL	IV	34	0585	674
165	DK2PR	EN	33	1200	----
166	SM3BIU	HX	33	0920	720
167	DF1EO	DL	33	0767	----
168	UR2RIW	LS	32	1100	----
169	SM5EVK	IS	32	0740	----
170	UR2RIC	LS	31	0673	----
171	EA3LL	AB	30	1315	----
172	IW5AVM	FC	30	0752	----
173	OK3AU	KI	29	1172	----
174	OE1KTC	II	29	0808	----
175	G8MFJ	ZL	28	0941	----
176	UR2GZ	MS	28	0600	----
177	OZ1CFO	ER	27	0779	----
178	UR2QA	NS	26	0803	----
179	YO2IS	KF	25	1020	----
180	UR2JL	MT	25	0405	----
181	OH2BWL	MU	23	0910	----
182	OE3PUW	II	22	0495	----
183	DB6AV	EI	22	0490	----
184	UR2QY	LT	21	0650	----
185	DF2CA	EN	19	0680	----
186	UA3TCF	WQ	19	0570	903
187	OE3RRA	II	18	0890	----
188	OE3CEW	II	17	0562	----
189	OE1WEB	II	12	0600	----
190	OE1APS	II	12	0497	----
191	OE6IWG	HH	11	0335	----

VHF- listener:
G 15556
2m:270 1556 1758 2601 2711

NL-213
2m:400 3000 3400 4000 3800
70cm:125 1520 1280
23cm:62 1220

wkd= Number of worked squares

The list is published continuosly. Data compiled above base on unconfirmed claims by the operators.

EUROPEAN SHF TOP LIST

1296 MHZ

NR	CALL	QTH	WKD	TROPO
001	PA0EZ	CM	78	1261
002	PE1CHQ	DM	77	1200
003	DF3XU	FN	74	1277
004	PA0FRE	CL	70	1337
005	PA0WWM	CM	70	1298
006	PE0AGO	DM	68	1196
007	HB9AMH/P	DH	62	1264
008	PA2DOL	CL	62	1027
009	DL7QY	FJ	60	1261
010	DK3UC	FN	60	1223
011	G3LQR	AM	60	1097
012	G4BYV	AM	60	1027
013	DK0NA	FK	59	1096
014	OK1KIR/P	GK	55	1208
015	OZ7IS	GP	55	1205
016	DL4EA	DL	54	0906
017	DB6NT	FK	48	1082
018	DK6AS	FM	48	0990
019	OK1AIY/P	HK	47	1350
020	SM0DFP	IT	45	1057
021	OZ2OE	EP	45	0985
022	F6CER	BI	43	1350
023	DL7YC	GM	42	1040
024	DK2NH	FN	42	0805
025	F1FHI	ZH	41	1345
026	DK5AI	FL	41	0868
027	DB6BX	DM	41	0799
028	DF1EQ	DL	41	0762
029	HB9RG	EH	40	0820
030	DL5FAU	EK	38	0740
031	OH0NC	KU	37	1537
032	SM5DWC	IT	37	1060
033	SM6ESG	GR	36	0980
034	PA3BSK	DL	36	0821
035	G4LRT	ZM	35	1152
036	SM0FFS	JT	35	1040
037	ON5GF	CK	35	0995
038	SM5BEI	JU	35	0877
039	DK1PZ	FL	34	0865
040	DL3NI	DL	33	0724
041	DL0SO/A	DL	33	0642
042	HB9RG	EH	32	0820
043	LX1DU	CJ	32	0600
044	G4BEL	AM	31	1025
045	SM6HYG	FS	31	1018
046	G3COJ	ZL	31	0963
047	PA2HJS	CK	31	0690
048	OZ3ZW	FO	30	0798
049	DF3EE	DL	30	0752
050	DD2EK	DL	29	0845
051	DG4BB	EN	27	0741
052	DF3CK	FH	26	0899
053	DC0DA	DL	26	0738
054	PA0VV	CM	24	0622
055	SM5CPD	IT	24	0610
056	LA8AK	DS	23	0900
057	PA0JME	CL	22	0867
058	DF1EO	DL	22	0756
059	DL7ZL	GM	20	1112
060	I2FUM/2	EE	20	0779
061	OK1AIB/P	HK	20	0656
062	SM0DYE	JT	20	0485
063	UR2EQ	NT	20	0468
064	DL7AN	GM	19	0814
065	DK0IK/P	DO	19	0758
066	DL9GU	EJ	19	0678
067	SM0FZH	JT	18	0780
068	G3PBV	YK	17	0996
069	DL7APV	GM	17	0940
070	ON6UG	BL	17	0700
071	OK1KTL/P	GK	17	0467
072	DC70H	GM	16	0640
073	HB9MIO/P	DH	15	0675
074	DJ80L	EJ	14	0778
075	DG4GAN	EI	14	0580
076	DL0UL/P	EI	14	0307
077	OZ3GW	FQ	12	0760
078	DL3NQ	EJ	12	0630
079	DB8NC	FK	12	0405
080	OZ1EKI	EP	11	0645
081	OE3XUA	HH	11	0540
082	OE5XPL	HI	11	0321
083	DF5JJ	DL	10	0455
084	DJ6XV	DL	10	0365
085	HB9AOF	DG	10	0330
086	OE1KTC/5	GI	10	0327
087	OH3TH	LV	9	0418
088	OK1KTL	GK	9	0403
089	OK3CBD	II	8	0380
090	DF2CA	EN	8	0378
091	DB6AV	EI	7	0237
092	OZ1FIH	GP	6	0319
093	HG1YA	IH	6	0265
094	G8SFM	YL	6	0237
095	DF1OH	EM	5	0229
096	OZ1CFO	ER	4	0120
097	DL7HG	GM	3	0520
098	SP9FG	JJ	3	0240
099	UR2RQT	MS	3	0132
100	OE3PUW/3	HH	3	0100
101	OE1KTC	II	3	0099

2320 MHZ

NR	CALL	QTH	WKD	TROPO
001	PA0EZ	CM	31	0779
002	PE0AGO	DM	27	0730
003	DL7QY	FJ	25	1018
004	DB6NT	FK	22	0529
005	DK0NA	FK	22	0527
006	G4BYV	AM	21	1027
007	OK1KIR/P	GK	21	0866
008	DL5FAU	EK	20	0582
009	PA0FRE	CL	19	0864
010	G3LQR	AM	18	0880
011	PA2DOL	CL	15	0781
012	DK3UC	FN	15	0661
013	PA0WWM	CM	13	0523
014	DF1EQ	DL	13	0461
015	DL3NI	DL	13	0448
016	DC30S	DM	13	0419
017	DL7YC	GM	12	0634
018	PA0JGF	DM	11	0444
019	DC0DA	DL	10	0429
020	G4LRT	ZM	9	1022
021	DF3CK	FH	9	0418
022	PA2HJS	CK	9	0388
023	PA0JME	CL	9	0262
024	SM6HYG	FS	8	1018
025	SM6ESG	GR	8	0880
026	DJ80L	EJ	8	0463
027	OK1AIY/P	HK	8	0430
028	LX1DU	CJ	7	0300
029	DF5OZ	DL	6	0468
030	DF3XU	FN	6	0416
031	DB8NC	FK	6	0405
032	DL3NQ	EJ	6	0198
033	OK1KTL/P	GK	5	0235
034	DC8UG/P	DK	5	0230
035	I2FUM/2	EE	5	0166
036	DK5AI	FL	4	0275
037	DL9GU	EJ	4	0269
038	OK1AIB/P	HK	4	0243
039	SM5CCV	HS	3	0082
040	SM5DJH	HS	3	0080
041	DK2NH	FN	2	0089
042	DD2EK	DL	2	0087
043	DF5JJ	DL	1	0042

3456 MHZ

NR	CALL	QTH	WKD	TROPO
001	PA2DOL	CL	9	0528
002	DK0NA	FK	8	0528
003	DC0DA	DL	8	0429
004	DL7QY	FJ	7	0565
005	G3LQR	AM	7	0427
006	DC30S	DM	7	0419
007	DB6NT	FK	5	0288
008	PA0JME	CL	5	0220
009	PA2HJS	CK	4	0388
010	PA0JGF	DM	4	0376
011	DF1EQ	DL	4	0118
012	G4AGN/P	ZN	4	0115
013	G4BYV	AM	3	0464
014	DF5OZ	DL	3	0068
015	PE0AGO	DM	2	0134
016	DF5JJ/P	DK	2	0080
017	DK3UC	FN	2	0063
018	DB8NC	FK	2	0060
019	DJ6TA	DK	2	0042
020	G4LRT	ZM	1	0035
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	WKD	TROPO
001	PA2DOL	CL	4	0529
002	DK0NA	FK	4	0528
003	DL7QY	FJ	4	0032
004	HB9AJF	EH	3	0217
005	DB6NT	FK	3	0061
006	DB8NC	FK	3	0059
007	DC0DA	DL	2	0058
008	HB9MDP/P	EH	1	0054
009	DF5OZ	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	WKD	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	IW4AKY	FE	11	0570
008	I4QIG/4	FE	11	0440
009	YU3URI	HG	10	0344
010	I4BER	FE	9	0340
011	YU3TAL	GF	9	0322
012	I2BBH/2	EE	9	0237
013	I4AOR	FE	7	0320
014	I4ZTO/4	FE	7	0290
015	PA0EZ	CM	7	0262
016	PA2DOL	CL	7	0217
017	HB9AJF	EH	7	0204
018	HB9MIN/P	DH	6	0310
019	I4FKD/4	FE	6	0260
020	HB9MDP/P	EH	6	0205
021	DL7QY	FJ	6	0171
022	IW3QCV	CF	5	0290
023	G3LQR	AM	5	0258
024	HB9MIO/P	DH	5	0217
025	DL3NQ	EJ	5	0113
026	PA0JME	CL	4	0220
027	DK7GN/P	EI	4	0166
028	OE3XUA	HH	4	0077
029	SM0DFP	IT	4	0060
030	OH2BWL	MU	4	0057
031	ON6UG	BL	3	0174
032	DB6NT	FK	3	0171
033	DG4BB	EN	3	0132
034	YU3CAB	HG	3	0107
035	DF1EQ	DL	2	0074
036	DL0SO/A	DL	2	0065
037	DF1EO/P	DL	2	0063
038	DJ6TA	DK	2	0051
039	OE1WEB	II	2	0050
040	PA0FRE	CL	2	0010
041	DJ4YJ/P	EH	1	0352
042	DJ6XV	DL	1	0110
043	DB8FP/P	EK	1	0062
044	SM0DYE	JT	1	0060
045	OK1KTL/P	GK	1	0042
046	SM5CPD	IT	1	0032
047	I2DZQ/2	EF	1	0027
048	DL0UL/P	EI	1	0024
049	DK3UC	FN	1	0017
050	LA8AK	DS	1	0016
051	DF2CA	EN	1	0015
052	DH4DAB	DL	1	0002

24192 MHZ

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

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