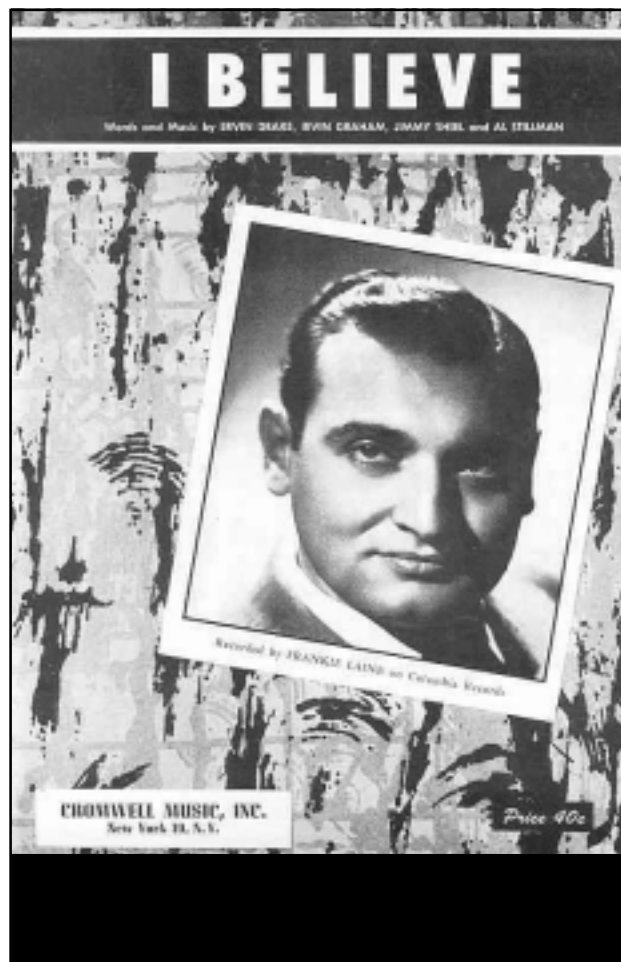


MEDIUM WAVE NEWS

MEDIUM WAVE CIRCLE

October 2004 Volume 50 No. 5



- ♣ *Reprint catalogue*
- ♣ *Dassie DX-pedition*
- ♣ *LW from the cold war*
- ♣ *Townsville DX-pedition*
- ♣ *Grayland DX-pedition*



Hon. President*	Bernard Brown, 130 Ashland Road West, Sutton-in-Ashfield, Notts. NG17 2HS	
Treasurer/ Secretary*	Clive Rooms, 59 Moat Lane, Luton LU3 1UU ☎ 01582-598989 (after 1800 hours)	(all general club enquiries) treasurer@mwcircle.org
MWN General Editor*	Steve Whitt, Landsvale, High Catton, Yorkshire YO41 1EH ☎ 01759-377311	editor@mwcircle.org (editorial & stop press news)
Membership Sec.	Paul Crankshaw, 3 North Neuk, Troon, Ayrshire KA10 6TT ☎ 01292-316008	membership@mwcircle.org (all changes of name or address)
MWN Despatch	Peter Wells, 9 Hadlow Way, Lancing, Sussex BN15 9DE ☎ 01903 851517	despatch@mwcircle.org (printing/ despatch enquiries)
External Representative	George Brown, 6 Glassel Park Road, Longniddry, East Lothian, EH32 0NT ☎ 01875-852317	(inter club liaison, advertising, publicity)
Reprints Manager	Clive Rooms	reprints@mwcircle.org (all orders for club publications & reprints)
MWN Contributing Editors (* = MWC Officer; all addresses are UK unless indicated)		
DX Loggings	Martin Hall, Glackin, 199 Clashmore, Lochinver, Lairg, Sutherland IV27 4JQ ☎ 01571-855360	dxlogs@mwcircle.org
Mailbag	Herman Boel, Roklijf 10, B-9300 Aalst, Vlaanderen (Belgium) ☎ +32-53-711 244	mailbag@mwcircle.org
Features	VACANCY	features@mwcircle.org
Home Front	John Williams, 100 Gravel Lane, Hemel Hempstead, Herts HP1 1SB ☎ 01442-408567	homefront@mwcircle.org
Eurolog	John Williams, 100 Gravel Lane, Hemel Hempstead, Herts HP1 1SB	
World News	Jeff Weston, 16, Whitmore Ct, Little London, Silverstone, Northants, NN12 8UP ☎ 01327 858472	world-news@mwcircle.org
Beacons/Utility Desk	VACANCY ☎ 01XXX	utility@mwcircle.org
Central American Desk	Tore Larsson, Frejagatan 14A, SE-521 43 Falköping, Sweden ☎ +46-515-13702 fax: 00-46-515-723519	ca-news@mwcircle.org
S. American Desk	Tore B Vik, Post Box 88, NO-1851 Mysen, Norway ☎ +47-69891192	sa-news@mwcircle.org
N. American Desk	Barry Davies, 20 Ryehill Park, Smithfield, Carlisle CA6 6BH	na-news@mwcircle.org
Verifications	Clive Rooms, 59 Moat Lane, Luton LU3 1UU	verifications@mwcircle.org
KEEP IN TOUCH	Internet: MWC Web site e-mail news service:	http://www.mwcircle.org FREE service for members; e-mail webmaster to join
Webmaster	Rémy Friess	webmaster@mwcircle.org

STOP PRESS:

This month we welcome the following new and re-joined members to the Circle: Mark Timlin, Ossett, West Yorkshire; Norman Hixson, Poole, Dorset; Henrik Klemetz in Sweden and Robert Luehrmann, Lengerich, Germany. Welcome, gentlemen!

Fifty years young: MWC 1954-2004

This month on the cover I feature the cover sheet music of "I Believe" a record sung by Frankie Laine. Frankie Laine was the biggest recording artist in 1954. Without radio his career most likely would never have developed the way it did.

Stop Press Deadlines:	24th October for November 2004	24th November for December 2004
-----------------------	--------------------------------	---------------------------------

Cover illustration: Frankie Laine – top recording artist of 1954; the first year of Medium Wave News
--

Medium Wave News is published 10 times a year by the Medium Wave Circle	© 2004
---	--------

EDITORIAL

with Steve Whitt

✉ Landsvale, High Catton, Yorkshire YO41 1EH
e-mail: editor@mwcircle.org ☎ 01759-377311

The equinox has passed and the DX season is upon us. At this time of year MW DXers in both the Northern and Southern hemispheres can take advantage of good MW conditions. So to prove a point Martin Hall has a column of your logs 12 pages long. Also we have a quick sprint around the world stopping off at DX-pedition nerve centres in South Africa, Queensland, Australia and Washington, USA.

Archive CD Still Available



Last month I introduced the new MWC Archive CD. The CD featuring all of MWN Volume 49 is still available. Of course it includes all 10 issues of MWN Vol 49 in PDF format which you can read, search and print. Of course it includes a complete index for Volume 49 (and 47 & 48).

But a CD can hold much, much more stuff. In addition we bring you 12 station lists including the latest versions of EMWG, Pacific Asian Log, African MW Guide and WRTH update. We've also included 48 useful outline maps, and 60 receiver reviews (courtesy of Radio Netherlands).

And to add icing to the cake you will find several DX related videos and presentations, including a feature on DX-pedition from Grayland, Washington and a short video report from a DX-pedition in Lapland. Furthermore you will find the full article "Introducing Long Distance MW Reception", and a video explaining the threat to MW listening posed by Broadband over Power Line technology.

The cost is £5.00 in the UK and £6/\$10US/10Euro anywhere else in the world. Prices include postage & packing. To get your hands on this special CD just send payment (payable to the Medium Wave Circle) to the Treasurer (see Page 2 for details) along with your name and address.

MWN Back Issues

Clive Rooms advises us that he has a stock of the following back issues available for sale:

2003 January, February, March, April, May/June, July/August, September, October, Nov., Dec.

2004 January, February, March.

All these are 60p each to UK members only. Minimum order 3.

We also have some older editions for sale:

1996 October, November, December.

1998 November

2000 February, September, October, November, December

2001 January, February, March, April, May/June, July/August, September, October, Nov., Dec.

2002 February, March, April, May/June, July/August, October.

These older issues are priced at 30p each for UK members. Minimum order 3. There are only 1 or 2 copies of some issues left. The prices include p&p. If any overseas members are interested in buying any back issues, please contact Clive with your requirements and he will quote you a price.

That's all for the moment, so until next time 73s,
Steve

IONOSPHERIC REPORT

from U.S. Dept. of Commerce, NOAA, Space Environment Center

Daily Geomagnetic Data

Date	Middle Latitude -- Fredericksburg --								High Latitude ---- College ----								Estimated ---- Planetary ----											
	A	K-indices							A	K-indices							Ap	K-indices										
2004 08 22	8	2	2	3	2	2	2	2	2	28	3	3	6	5	4	4	1	2	13	3	3	4	4	3	3	2	2	
2004 08 23	10	2	3	2	2	3	3	2	2	5	2	1	3	2	0	1	1	1	7	2	2	2	2	2	3	2	2	
2004 08 24	3	2	0	1	1	1	1	1	0	4	1	0	2	2	3	1	1	0	5	2	1	1	1	2	2	2	2	
2004 08 25	3	0	1	0	1	2	1	1	1	5	0	1	1	3	3	1	0	0	7	1	2	1	2	3	2	2	2	
2004 08 26	4	1	0	1	1	2	1	2	2	3	1	1	0	1	1	2	1	1	7	2	1	1	1	2	3	3	3	
2004 08 27	4	1	1	1	0	2	1	2	2	4	2	1	1	1	1	1	1	1	8	3	1	1	2	2	3	2	3	
2004 08 28	6	1	3	2	2	1	1	1	1	7	2	1	4	3	0	1	1	0	12	2	3	4	3	3	3	3	2	
2004 08 29	5	2	2	0	2	1	1	2	2	3	1	2	0	0	1	1	1	1	8	2	2	0	2	2	3	3	3	
2004 08 30	27	3	2	4	4	3	3	4	6	63	3	2	5	7	6	7	5	4	34	3	2	5	5	5	4	4	5	
2004 08 31	14	4	4	3	3	2	2	2	2	39	4	5	6	6	4	4	3	2	28	6	4	5	4	3	3	4	3	
2004 09 01	5	3	1	1	1	1	1	1	1	8	2	2	2	3	3	2	1	1	9	3	1	2	2	2	3	3	3	
2004 09 02	8	2	2	3	3	1	1	1	2	7	2	1	3	3	1	2	1	1	9	2	2	3	3	2	2	2	3	
2004 09 03	1	2	1	0	0	0	0	0	0	2	2	1	1	0	0	0	1	0	3	2	1	1	0	1	2	1	1	
2004 09 04	2	0	0	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0	4	1	1	0	1	2	1	2	1	
2004 09 05	5	1	0	2	1	1	2	3	1	14	0	1	3	4	4	4	2	1	7	1	1	2	2	2	3	3	2	
2004 09 06	9	1	1	2	2	3	3	2	3	28	2	2	5	5	5	5	2	2	14	2	2	4	4	3	3	2	3	
2004 09 07	11	3	3	3	3	2	1	2	2	27	2	3	6	5	5	3	1	1	16	3	4	4	4	3	3	2	2	
2004 09 08	4	2	2	3	1	1	0	0	0	16	2	3	5	4	4	1	0	0	9	2	3	4	2	3	2	2	2	
2004 09 09	3	0	2	0	1	1	0	1	2	2	0	1	0	2	0	0	1	1	4	1	1	0	1	2	1	2	2	
2004 09 10	1	0	1	0	1	1	0	0	0	3	0	0	1	3	1	0	0	0	5	2	1	1	2	2	2	2	2	
2004 09 11	1	0	0	0	0	1	0	1	1	1	0	0	0	0	2	1	0	0	6	2	0	0	1	3	2	3	2	
2004 09 12	1	1	1	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	4	1	1	0	0	2	2	2	2	
2004 09 13	5	0	0	0	0	0	0	3	4	3	0	0	0	0	0	0	2	3	8	2	1	0	1	2	2	3	4	
2004 09 14	17	4	3	3	3	3	2	4	3	41	3	4	5	6	5	6	3	3	28	4	4	4	5	4	3	4	4	
2004 09 15	9	4	2	1	1	2	2	2	2	23	4	3	3	5	5	3	2	2	14	4	3	2	3	3	3	3	2	
2004 09 16	14	3	2	4	2	3	2	3	3	30	3	3	3	6	6	3	3	2	17	3	3	4	4	4	3	3	3	
2004 09 17	15	4	4	3	2	2	1	3	3	26	4	4	4	4	5	4	2	3	20	5	4	4	3	3	3	3	4	
2004 09 18	16	5	5	1	3	2	0	1	0	16	4	2	5	3	0	0	0	0	16	5	5	1	3	3	2	1	2	
2004 09 19	4	1	0	1	1	1	1	1	3	3	1	0	1	2	1	1	1	1	5	1	1	1	1	2	2	2	3	
2004 09 20	8	2	1	4	3	2	1	0	1	17	2	1	5	5	3	3	0	1	13	3	1	4	3	3	2	2	2	
2004 09 21	6	1	3	1	1	2	1	2	1	12	2	4	4	3	2	2	1	1	9	2	3	3	2	2	2	2	2	
2004 09 22	12	0	0	3	2	4	3	3	3	22	0	1	3	3	6	5	3	2	16	1	1	3	3	5	4	4	3	
2004 09 23	10	4	4	1	1	1	1	1	2	15	4	5	1	3	2	2	2	1	12	4	4	2	2	2	2	2	2	
2004 09 24	5	3	2	1	2	0	1	1	1	6	2	1	0	4	1	2	1	0	6	3	2	1	2	2	2	2	2	
2004 09 25	2	0	0	0	1	2	1	1	0	7	0	0	0	4	4	1	0	0	5	0	1	0	2	2	3	2	2	
2004 09 26	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	1	2	1	1	2	-1	-1

Space Weather Outlook Table (based on 27 day forecast)

UT Date	10.7cm Flux	Ap Index	Max. Kp
2004 Oct 01	100	5	2
2004 Oct 02	100	8	3
2004 Oct 03	100	12	3
2004 Oct 04	100	15	3
2004 Oct 05	105	10	3
2004 Oct 06	110	5	2
2004 Oct 07	110	5	2
2004 Oct 08	105	5	2
2004 Oct 09	100	5	2
2004 Oct 10	100	12	3
2004 Oct 11	100	15	3
2004 Oct 12	95	12	3
2004 Oct 13	100	10	3
2004 Oct 14	100	12	3
2004 Oct 15	100	15	3
2004 Oct 16	100	12	3
2004 Oct 17	100	8	3

LONG WAVES FROM THE COLD WAR

with Bennett Z Kobb KC5 CW



The broadcast had that mechanical sound one associates with the spy-and-numbers stations on HF. But this one seemed all the more eerie to me because it was on 179 kHz, loud and distortion-free. Time ticks in the background, and a continuous announcement: "Good evening. This is station WGU-20. Eastern Standard Time nineteen hours, ten minutes, ten seconds. Good evening. This is station WGU-20. Eastern Standard Time nineteen hours, ten minutes, twenty seconds. Good evening. ..." No schedule, purpose, address or other information ever was announced. After midnight it switched to "Good morning."

I recognized the callsign as typical of federal government stations, and occasionally saw it show up in logs in

various monitoring publications. What I had heard was a test transmission from an RF zombie, a relic of an elaborate, lost scheme to use longwave to warn the public of nuclear attack.

The station's QSL card appeared a few times in radio newsletters. It read: QSL Defense Civil Preparedness Agency / Radio Station WGU 20 / 179 Kilohertz / 1st 50 kW / All Solid State AM Transmitter / Chase, Maryland. What grabbed me was the illustration on the card: A silhouette of gallant Paul Revere on horseback, waving his hat, alongside a transmitting tower; and the initials DIDS.

I knew that the Defense Civil Preparedness Agency is now known as the Federal Emergency Management Agency (FEMA). It is responsible for federal assistance in emergencies such as natural or man-made disasters or defense-related incidents. A visit to the FEMA library in downtown Washington revealed more about DIDS and WGU-20.



← *Civil Defence Radio Class; 1950s*

DIDS stood for Decision Information Distribution System. A vast network of LF broadcast and feeder stations, DIDS was supposed to deliver audio messages directly to the public within 30 seconds after activation. In case of attack, DIDS was supposed to save 10-17 million additional lives in its initial deployment (by 1979), and as many as 27 million more if developed further.

Other systems exist. The CONELRAD (CONtrol of ELEctromagnetic RADiation) procedure of the 1960s required radio stations to broadcast special announcements, turn on and off, and vary their schedules. This was supposed to warn the public while confusing missiles that might

home in on broadcast signals. CONELRAD was eventually scuttled when targeting methods became more sophisticated.

NAWAS, the National Warning System, is a sometimes noisy, partyline telephone that connects federal authorities with state and local emergency centers. It is still in use today. The Emergency Broadcast System (EBS) uses the press wires and major networks to distribute warnings over radio and TV. The annoying two-tone EBS signal, intended to trigger special receivers in broadcast stations themselves, elicits a Pavlovian "change the channel" response in almost anyone who hears it.[1]

DIDS' creators in the Pentagon regarded these systems as prone to human error and delay. DIDS was envisioned as an automatic, fool- and spoof-proof supersystem that could switch on sirens across the country and convey information to officials via RTTY. DIDS' unique selling proposition, however, was that it would actually speak to citizens in their cars and directly in their homes, even waking each family from sleep.

WGU-20 was built for \$2 million in 1973 as the prototype of ten DIDS "distribution stations". These were to operate 50 kW at 167, 179 and 191 kHz with 700-foot towers. Besides the Maryland site, candidate sites for distribution stations were Maynard, MA; Mount Joy, PA; Gray, ME; Morristown, TN; Starke or Chiefland, FL; Mazomanie, WI; Carthage, Marshal, or Seagoville, TX; Alcova or Riverton, WY; Mendota or Selma, CA; Winslow, AZ; Hermiston, OR; and Wallula, WA.

These ten stations were to cover the 48 contiguous states. Alaska and Hawaii were to have special, unspecified arrangements. All DIDS stations would be partially below ground level and protected against blast and electromagnetic pulse effects.

The distribution stations would be activated by two "control stations" at 61.15 kHz, in Ault, CO and Cambridge, KS. These two stations would run 200 kW from 1,260-foot towers. Federal authorities would send the "go" signal by microwave and landline to the control stations. The ten distribution stations would then sign on and play taped messages to the public.

But most Americans do not own longwave receivers. "The acquisition of home warning receivers would be a voluntary decision on the part of the individual citizen," says one DIDS manual. Therefore, the federal government had to persuade manufacturers to market and the public to buy radios whose sole programming would consist of either tests or actual Armageddon.

This was hardly a prescription for an attractive consumer product. Nevertheless, DCPA commissioned Westinghouse to develop prototype units. One of them would attach to, or be installed inside, a TV set. If the TV was turned off when DIDS was activated, the DIDS circuit would deliver the message at "greater-than-normal volume" through the TV speaker to wake sleepers. The basic home receiver looked like any attractive radio for the kitchen. There was even a converter to attach to your car radio.

Marketing DIDS to the public required some kind of user-friendly package. Paul Revere and the military-sounding "Decision Information Distribution System" were adopted for internal use. But Mr. and Mrs. America required a homey, more comfortable logo. Pentagon semioticians hit on Public Emergency Radio (PER) and PERKI, its puppy mascot, as the soft sell for Nuke Radio.

Appropriately enough, the dog in the logo appears to have just awakened and is still confused. A vigilant watchdog he isn't. Behind PERKI is a family briskly walking to a country home. This Leave It to Beaver imagery probably came from the same government department that gave us the "duck and cover" films and jingles of the 50s (brilliantly portrayed in the movie ATOMIC CAFE).

In case PERKI didn't warm Americans' hearts, military planners came up with a more persuasive hook. The Safeguard antiballistic missile system was designed to connect directly to DIDS. The Safeguard radar network could continuously track the flight paths of incoming enemy missiles. While the network dispatched ABMs to destroy the enemy missiles at high altitudes, its computers would automatically and instantaneously furnish a prediction to DIDS as to where an enemy warhead would land and explode if it was not successfully intercepted by an ABM. Your PER radio would then tell you exactly which area to "avoid." Sure beats morning traffic reports!

Despite their obvious utility and sure-fire marketing prospects, DIDS, PERKI and the Radio Paul Revere eventually ended at the bureaucratic equivalent of a swapfest table. According to a letter from John Sullivan, FEMA telecommunications chief, the system "would have proved very costly to build, maintain and operate the number of simulcast stations required to blanket the continental U.S."

"Secondly, it would have been a strictly one-way system. With all the information going down and nothing coming back up the line, it would not have been possible to obtain the necessary status reports, damage assessments, required actions, etc. Lastly, due to budget constraints, funding was discontinued."

"Regarding WGU-20, the station has been deactivated, equipment removed and sold, and the land lease terminated. At this time there are no plans to pursue the program further." [2]

Still, in my nightmare, I tune to 179 kHz and hear, "Good morning. This is not a test."

Notes:

1. EBS was later changed to EAS, the Emergency Alert System, using data transmission and a mercifully shorter Attention Signal.

At this writing, EAS is enmeshed in a patent dispute, with the FCC requiring all broadcasters to use EAS and the apparent patent holder requiring license fees from all broadcasters.

EAS failed miserably at the FCC's ceremonial public unveiling of the system, though this fact was underreported. No actual EAS messages were successfully transmitted and received at the event. Instead, exhibiting vendors merely activated a cacophony of sirens and lights by manually switching them on.

2. I dimly recall somewhere in the literature that NOAA Weather Radio (NWR) was declared the successor to DIDS.

In some respects NWR is similar to DIDS. The National Oceanic and Atmospheric Administration uses NWR to broadcast warning messages directly to the public in the VHF band.

NWR officials perennially, if privately, complain that not enough NWR receivers are being sold. Radio Shack is probably the most visible NWR receiver supplier. Thunder Eagle (www.thuneagle.com) of Vienna, Va. makes a very sophisticated NWR receiver for use by emergency authorities.

Vice President Al Gore has declared a desire to make NWR receivers ubiquitous in American homes.

An earlier version of this article appeared in the Northern Observer, a Canadian newsletter for VLF experimenters, Issue 22, Nov. 1990

TOWNSVILLE DX-PEDITION

with Craig Edwards - the Crocodile DX Hunter



(CE) Craig Edwards, Townsville Queensland Australia. DXing from the DX Tent at Balgal Beach campsite, 50km north of Townsville, Icom R75 running off 12V, pre-amp, EWE antenna to North America.

Life is full of compromises when you're married. You can't regularly go on DXpeditions most weekends

when you're married. So some compromises must be made. My wife has given me the chance to go on DX trips every couple of weekends but the compromise is that she and the dog have to come along so we stay as a family. So rather than the typical remote DXpedition location with no powerlines in sight, instead we have to go to caravan parks or established campsites with public toilets, running water, etc. At least she has agreed to tents and 12V for power. This situation does create serious antenna problems because people tend to come across them in this situation. But hey!! It's better than DX'ing from home and listening to monster noise levels due to family and neighbours.

Our first attempt on August 14th was a caravan park just to test things out in an environment with all amenities very close by, just to keep the wife happy - mission accomplished but noise was an issue and the 100m on the ground to USA and 200m to Mexico weren't very good and people regularly came across them. Even so I managed to hear a few new US stations that I couldn't log from home, and the bottom line was that we were now ready to go to the established campsites where caravans were not permitted, therefore less man made noise.

Only problem with the beautiful beach side campsite we chose is that lots of other campers wanted to go there too, not to mention the 20 or so American College girls on a Christian retreat around Australia. Their little dome tents peppered the path I wanted to put my wire to North America. I said to the wife that if I went 100m at 50° then I could land myself a dozen or so lovely yanks, but she didn't find the humour in that.

So best I could do was 100m at 90° through Central America which in the end didn't work that well, only new ones to log in Townsville were KVVN, KTXZ, KGST, KBJD, KBIV and KAVT. Before the listening session I was sitting in a deck chair gazing around the campsite, thinking about what to set up next week - it struck me - what about a EWE?

So the following week on 28/8 I tried the EWE at 55° through the middle of USA and the tent was only 20m from the beach overlooking the Pacific. Again in the deck chair with a beer in hand, I decided that it didn't matter if I couldn't put out a Beveridge, after all the EWE is easy to erect, cuts out noise from power lines only 1km away and is invisible to other happy campers and beach goers. Well conditions were great. I was very pleased with excellent conditions this evening hearing in Townsville for the first time KFI, KNEW, KECR, KYCW, CKWX, KESS, KFRN, KYOS, KVNR, KWOK, KSTP, KSPA, KGDD, KKAD, KNZR, KCRG, KQWB, WTDY & WRLL in 6 hours!

OK 11/9 and the third trip to this lovely campsite at Balgal Beach. Same EWE except slightly different orientation at 400 this time, quite by accident really. But what an accident to make as again conditions were sensational with signals from Washington USA and Western Canada coming in and I've never had such a great opening from this region. Attribute part of the reception of KIRO, CHMJ, KJR, KALE, CKNW, CBR, WHO, CKMX, CHRB and KGA to the ritual sacrificing of VB while kneeling in Pacific Ocean arms out stretched to the sky to pray to Gods of MW - you had to be there..... Will take a few weeks off listening to go through tapes and do multitude of reports while watching AFL finals series. Happy to say though that I have a short DXpedition planned for October 1-4 and I'll put up EWEs to usual USA in addition to Africa. So far haven't tried a sunrise session yet, can't wait.

Highlights

kHz	UTC station	details	date
640	1208 KFI	Los Angeles CA. Fair here with coast to coast	28/8
680	1111 KNBR	San Francisco, CA. Poor here with usual talk	14/8
710	0820 KIRO	Seattle, WA. Fair here with a rarely heard nostalgia radio drama program "When Radio Was"	11/9
730	0839 CHMJ	Vancouver, BC. Fair but poor overall with ESPN	11/9 (thanks to USA guys for tip on this one)
910	0953 KNEW	Oakland, CA. Dominant on the channel here with talk	28/8
910	1223 KECR	El Cajon, CA. A couple of peaks up over stronger KNEW, noted with lifestyle directions program	28/8
950	0745 KJR	Seattle, WA. Good at times despite cochannel splatter with ESPN Sports Talk Back, good all night	11/9
960	0753 KALE	Richland, WA. Poor with ESPN // 950 network pgm, mixing with unid station possibly with CBS news	11/9
980	0856 CKNW	New Westminster, BC. Fair sports then news mixing with traces of KDBV	11/9
1010	0907 CBR	Calgary, AB. Fair at times but tough to hear, noted international news, then heard at 1024 relaying DW Germany of all bloody things!	11/9
1040	0914 WHO	Des Moines, IA. The best on this channel mixing with KLHT and possibly CKST with sports talk. Heard with Coast to coast	11/9
1060	0922 CKMX	Calgary, AB. Poor under Torres Strait Is. 4TI on 1062, oldies mx show	11/9
1090	0941 KYCW	Seattle, WA. Good; C&W music & IDs between every couple of songs	28/8
1130	0938 CKWX	Vancouver, BC. Good with ID mixing with KRDU & KSDO	28/8
1140	0930 CHRB	High River, AB. Fair at times with network religious pgm from Florida, then local ID noted	11/9
1180	1052 KERI	Wasco, CA. Poor with religious talk	14/8
1270	0925 KESS	Fort Worth, TX. Fair signal but bad splatter from 2SM, SS oldies with brief ann's in between songs	28/8
1280	1040 KXTK	Arroyo Grande, CA. Poor here with wx & talk of east coast Hurricane	14/8 & better at 0913 on 28/8
1280	1245 KFRN	Long Beach or KUYL Stockton, CA. Under KXTK with religion	28/8
1430	1153 KVVN	Santa Clara, CA. Unid lang songs and male announcements, then EE ID	21/8
1480	0852 KYOS	Merced, CA. Good here with coast to coast over KVNR	28/8
1480	0904 KVNR	Santa Ana, CA. Brief fade ups over KYOS, Asian format	28/8
1490	1210 Unid	SS talk stn, no ID, likely a 1kW Californian or Texan SS stations here	21/8
1490	1303 KWOK	Hoquiam, WA. Poor right on WA sunrise with ESPN radio IDs	28/8

1500 1045 KSTP St Paul, MN. Good with talk & ID on hour, but mixing with equally strong KUMU also with talk 28/8

1510 0715 KGA Spokane, WA. Monster signal at times thanks to pointing this antenna to Canada. Lots of IDs 11/9

1510 1100 KSPA Ontario, CA. Brief peaks with oldies mx show under very dominant KGA with usual talk 28/8

1520 1105 KGDD Oregon City, OR. Poor here under much stronger KOMA which this day actually changed call to KOKC, noted a couple of unids in the mix, one with EZL SS tunes & other with news/talk 28/8

1550 1014 KKAD Vancouver, WA. Tough one due to splatter from monster on 1548, noted oldies mx show with ID and occasional ads, also noted unid talk station 28/8

1560 1218 KTXZ West Lake Hills, TX. Fair here in SS mix with KNZR 21/8

1560 0834 KNZR Bakersfield, CA. Good with ID & football promo. 28/8

1590 0732 KLIV San Jose, CA. Fair with CNN news & ads over KUNX with SS 28/8

1590 0702 KDAV Lubback, TX. Fair & dominant over KLIV with oldies 28/8

1600 1114 KGST Fresno, CA. Thought it was Mexican until ID, here in SS with great tunes 21/8

1600 0939 KVRI Blaine WA. Dominant in the mix here with great back to back Indian mx & very few announcements 14/8

1600 0801 KCRG Cedar Rapids, IA. Peaked up briefly with ID, nx & wx then back down in the mix a few minutes later 28/8

1600 0717 Unid. Fair peaks with adult cont format back to back songs, no announcements heard, mixing with others 28/8

1640 0732 KDZR Lake Oswego, OR or WKSH Sussex, WI. Not sure which one as missed local ID on half hour, fair on peaks with lots of Radio Disney IDs 11/9

1650 0827 KBJD Denver, CO. Dominant one in the mix with mainly religious talk 21/8

1650 0845 KBIV El Paso, TX. Fade up over KBJD, back to back C&W songs 21/8

1660 1130 KXOL Brigham City, UT. with IDs & oldies over KRZX & KTIQ 14/8

1660 1127 KQWB West Fargo, ND. Great peak here over KXOL, KRZX & KTIQ mix, noted ads, then CNN news & ID 28/8

1670 1119 WTDY Madison, WI. ID after series of nx items and wx, over top of KHPY 28/8

1680 1027 KAVT Fresno, CA. Good with IDs, lots of ads in EE & SS & pop mx 21/8

1690 1112 WRLL Berwyn, IL. Good peak over KDDZ playing oldies then ID 28/8

16901219KDDZ Arvada, CO. Poor but fair peaks with usual Radio Disney format 14/8

DASSIE DX-PEDITION

with John Plimmer

plimmer@telkomsa.net

So named after the large number of Dassie's (rock Hyrax) that abound around the two seaside cottages at Jongensgat nature reserve. It is 8 kilometers from the town and fishing village of Stilbaai, Western Cape Province, South Africa. QTH South 34 24 51 East 21 22 39. This DX site is on the Indian Ocean - two isolated wooden cottages 30 meters from the Indian Ocean and 5 km's from the village of Jongensfontein. It has a clear outlook over the ocean to the East (Australia). Outlook to the West was somewhat blocked by hills and mountains inland, but still good results were obtained from N. and S. America. Weather conditions were good and propagation seemed very favourable.

I also got KGA Spokane WA which is a "big enchilada" for me -> the furthest distant MW catch I ever got in 38 years of DXing (16,330 kilometers). Gary Deacon got 1700 0454 MEXICO XEPE Tecate, which is only a 1 Kw station near San Diego and also well over 16,000 km from the DX site.

Antennas = Kiwa MW Loop for MW and a Datong AD370 active for tropical bands. RX Drake R8B

Date: September 12th to 15th September 2004. Primary objective of the DXpedition was MW stations from Australia.



Highlights

Frequency,	Time,	Date	Language, Station, Town, Country, Power
612.00	1953	04/09/14	EE ABC Nx Brisbane AUS 50
675.00	1844	04/09/12	EE ABC Albury AUS 10
684.00	2015	04/09/14	FF R Maurice Malherbes Mauritius 1
720.00	1538	04/09/12	EE ABC Perth AUS 50
729.00	1641	04/09/12	EE ABC Canberra Adelaide AUS 50
800.00	0250	04/09/13	EE TWR Bonaire 100
828.00	1607	04/09/12	EE ABC Geraldton AUS 10
990.00	1706	04/09/13	EE 6RPH - BBC NX Perth AUS 2
1,125.00	1910	04/09/12	EE 5MU Murray Bridge AUS 5
1,215.00	1654	04/09/13	EE AIR NX EE Delhi IND 20
1,269.00	1839	04/09/14	EE CRI Yunnan China 300
1,296.00	1645	04/09/13	EE 82 R. National Wagin AUS 10
1,314.00	2041	04/09/13	NN Kvitsoy Norway 1200
1,323.00	1819	04/09/14	EE R Liberty Bishkek Kyrgyzstan 30
1,359.00	1930	04/09/12	EE WYFR Taiwan 250
1,395.00	1957	04/09/12	EE 5AA Adelaide AUS 5
1,404.00	1635	04/09/13	EE TAB Busselton AUS 4
1,410.00	0330	04/09/13	SS AM Libre Montevideo Montevideo URU 5
1,449.00	1617	04/09/13	EE TAB Mandurah AUS 2
1,503.00	1813	04/09/13	EE WYFR Gospel Taiwan 250
1,512.00	1611	04/09/13	EE 98 FM - 6BAY Morawa AUS 5
1,539.00	1940	04/09/13	EE 5TAB Sport Adelaide AUS 10
1,557.00	1641	04/09/14	EE WYFR Gospel Taiwan 300
1,575.00	1733	04/09/14	EE VOA Stock Market Report Thailand 1000
1,593.00	1631	04/09/14	JJ Nigata Japan 10
1,611.00	1551	04/09/13	EE Mask Radio Margaret River AUS 0.4
1,620.00	1544	04/09/13	EE Radio Two Balcatti, N Perth AUS 0.4
1,630.00	0151	04/09/15	SS Universidad Mexicali Mexicali, Baja Calif MEX 1
1,700.00	0414	04/09/14	EE WJCC Miami Springs, FL USA 1
1,700.00	0427	04/09/14	EE KVNS Brownsville, TX USA 0.9

Brazilian MW came in very strongly, but these were not logged as many have been noted previously. Universidad Mexicali is 16,060 kilometers (nearly 10,000 miles) from the DX site.

Australia, the target of the DXpedition came in strongly and many previously unheard stations were logged.

Veteran DXers Vince Stevens and Gary Deacon from Cape Town were also there and will publish their results separately. John Plimmer, Montagu, Western Cape Province, South Africa RX Drake R8B, SW8 BW XCR 30, Braun T1000, Sangean 818 & 803A. Hallicrafters SX-100, Eddystone 940 GE circa 50's radiogram. Antenna's RF Systems DX 1 Pro, Datong AD-270 Kiwa MW Loop

GRAYLAND DX-PEDITION

with John H Bryant

plimmer@telkomsa.net

August 20-22, 2004

John H. Bryant (TenTec RX-340, RX-320) Guy Atkins (mod. ICOM R-75/mod. Racal RA6790GM/Timewave DSP-59+) SW, W, NW Beverages from 750 to 900 feet

Guy Atkins and I managed one of our brief Grayland DXpeditions to celebrate the end of summer and to try to catch the local IDs of the pesky NHK-2 synchronous stations on 702, 1125, 1152, 1377, 1386, 1593 and 1602. The latter weeks in August are one of the few times of the year that the local IDs on NHK-2 network at 1320UTC coincide with dawn enhancement on the Washington coast.

As usual, we traveled to Grayland (two to three hours from Seattle-Tacoma and unlike those Puget Sound locations, on the open Pacific coast of Washington State) on Thursday afternoon and got the three beverages out and our receivers up prior to sunset. It was then to early bed so that we could arise at 2:30AM local time (0930 UTC) when the sunset terminator had traveled across the central Pacific. The period 0900-1100 UTC is generally the time that we hear the nations of the Pacific, if the DX gods are smiling. In recent years, this middle of the night exercise has generally been fruitless... for reasons we don't really understand. After 20 minutes of band scanning, Sack Rat Bryant generally headed back to bed for another two hours of shut-eye, while Guy continued to turn the knobs. His persistence was rewarded by brief receptions of 1035 Solomon Islands, the 1 kW Kosrae, FSM outlet on 1503, and 1098 Marshall Islands.

In general, the conditions were much improved over the awful MW conditions that we experienced in mid-July, 2004. Indeed, the **conditions were among the best that we've had in recent years.** The conditions between 1130 UTC and band fade near 1400 varied in geographic blocks, with conditions seeming to switch from one area of the Pacific Rim to another with the abruptness of a light switch:

Friday, August 20

Our first morning saw the conditions until actual dawn (1314 UTC) focused almost exclusively on Japan and Korea, with China noticeably absent. Almost all of our catches during this period tended to be high-band stations. Very soon after actual dawn, the Japanese/Koreans fell away and the lower part of the dial was literally covered with Aussies. Uniquely, about 80 percent of these stations (the ABC Metropolitan Service and ABC "Local Radio" a.k.a. RR "Rural Radio" Service) were running the same ABC Olympic coverage. This allowed us to identify quite a few of the stations by inference a least, very rapidly. Handily, ABC's National Radio Service was running a very distinctive World Music program, further improving our chances of inferring station IDs.

Best catches were 639, 8RN Katherine in Northern Territories, Australia and a local ID on one of the NHK-2 Synchronos, JOTB, Matsue on 1593. Other notables were 1035 Radio Hapi Isles,

Honiara, Solomon Islands and a couple of non-regular Korean stations. The swap from Northern to Southern Hemisphere a few minutes after dawn was really remarkable.

Saturday, August 21

The first half of dawn enhancement was a bit more broadly cast than our first morning, with New Zealand stations, primarily deep South Island stations present at the same time as Japan and Korea. Unlike the first morning, major Chinese outlets were also noted during this first half of dawn enhancement. Like Friday morning, conditions abruptly switched to Australia at about local dawn here in Grayland. Again, ABC

Olympic programming seemed to cover the lower half of MW. Another distinguishing characteristic of Saturday morning was the return of truly "local level" signals on some of the Big Gun stations. VOA Thailand, 1575, China National Radio's Korean Service on 1206 and FEBC's HLAZ, Cheju Island, Korea on 1566 were each well over S-9 during the heart of dawn enhancement. The more notable loggings included 675 3YA Christchurch and 864 4ZA Invercargill, NZ and 540 4QL Longreach, QSLD under the vestiges of CBK, Regina at the end of max. dawn.

Sunday, August 22

Our last morning, though offering some wonderful DX, was much more what we expected to find during "summer conditions:" at Grayland: conditions focusing on Down Under, with a scattering of loggings from the Pacific Islands. It must be said, though, that the quality of the conditions was much more like the Glory Days of the early 1990s. We made some memorable catches and also got to revisit several long-absent old friends. Among the more memorable catches were TWO presumed Northern Territory loggings, 8RN, Katherine-639 again and 8AL, Alice Springs-783. Another tantalizing very tentative was mega-watt AIR Chinsura-594. We also celebrated 666-Radio Nouvelle Calédonie, Noumea heard very well for our first logging of this old friend in a decade.

Our July 2004 visit to Grayland produced the poorest MW loggings from there in many years. This visit, five weeks later, produced some of the very best. What a fascinating hobby.

Guy Atkins' Introduction:

Some DXers "hang up the headphones" in the Summer, figuring that there is no DX worth pursuing. My experience, though, says otherwise. Especially from a quiet DXpedition location, every month of the year offers opportunity for interesting targets.

This weekend's 3-night DXpedition at Grayland with John Bryant produced trans-Pacific MW DX from both hemispheres. The geographic regions that were "in" at any given moment toggled from one to the other within a minute or two. It would be fascinating to know what propagational mechanism causes DX to begin the evening "Down Under", flip suddenly to Japan/China/Asia for much of the night, and then finish with a sudden return to Aussie/Kiwi mediumwave DX just past local sunrise! Please see John's DXpedition report for an interesting and detailed account of these fluctuating conditions.

Sunday, August 22nd provided a totally different mediumwave reception pattern compared to the previous evenings. Once the grayline had shifted far enough to the west, both Southern and Northern hemispheres propagated signals to our receivers. On frequencies such as 594 and 828, Australian/New Zealand and Japanese/Korean/Chinese stations were fighting for our attention at the same time. Overall signal levels were lower on the 22nd, often making it difficult to identify anything more than the languages and potential countries on the frequency.

My DXpedition highlights on mediumwave were the 1 kW Kosrae,

Micronesia station V6AJ on 1503 (a new MW country for me) and catching an elusive local ID of JOTB Matsue, Japan on 1593.

I spent little time on the tropical bands as mediumwave was so productive. Most interesting catch on shortwave was an unidentified NHK feeder on 3970 USB, which is likely the 600 watt Sapporo station rather than the weaker, further south Nagoya outlet. The usual Indonesians on 90 meters such as RRI Palangkaraya and RRI Ternate provided excellent listening with their strong, clear signals.

I also found Radio East New Britain (3385 kHz) on late past 1200 with an excellent quality broadcast of the "New Guinea Top Ten Countdown" of Melanesian pop music, sponsored by Coca-Cola. A number of advertisements, promos, and PSAs added to the local flavor. MP3 recordings of this intercept can be streamed or downloaded from:

http://www.guyatkins.com/files/RENB_3385_long.mp3 (26 minutes, 3.05 Mb) or just the first half: http://www.guyatkins.com/files/RENB_3385_short.mp3 (13 minutes, 1.54 Mb). The MP3 files are analog copies of my original minidisk recorded on the ICOM R-75.

John and I set up our usual three Beverage antennas on this DXpedition: 750 ft. terminated wires running southwest and west, and 950 ft. in the northwest direction. We also experimented with a remotely-adjusted termination for another western Beverage.

The orientation of the Grayland DXpedition site limits our antenna lengths. In the past we've extended the wires a few hundred feet further over the beach during the night but found no worthwhile improvement; the risk of the wires being caught by passing vehicles on the beach is too great.

My ICOM R-75 was my favorite receiver during the DXpedition, and it proved to be more flexible in tough DX situations than the Racal RA6790GM. The ICOM clearly was better with split frequency MW signals thanks to the INRAD crystal filters in the 1st & 2nd IFs which improve the R-75 twin PBT control's performance over stock. On the trans-Pacific MW catches in particular, once again I found myself wishing for PBT on the Racal. The RA6790GM has great selectivity, but it cannot compete with the audio recovery and signal readability of the R-75 with its PBT adjusted precisely. The PBT's superiority is due to its ability to peak crucial voice frequencies for best intelligibility, when signals are severely overlapping (often the case with foreign mediumwave stations close to domestic MW channels).

The R-75 is also easier and quicker to tune than the RA6790GM, with the ICOM's keypad buttons providing a tactile feedback compared to the membrane keys on the Racal. In addition, if I want to use the full selection of voice bandwidth crystal filters in the RA6790GM I need to be in CW mode, adjust the BFO to 1200-1500 kHz, and offset-tune by an appropriate amount for clear audio.

On signals without co-channel interference however, the Racal is my first choice for cleaner audio. Particularly with very weak signals having at least one sideband in the clear, the RA6790GM reveals more nuances of the audio for better intelligibility. The Racal is also my first choice for pleasant program listening to moderate and strong signals.

531 NEW ZEALAND Radio 531 PI, Auckland, Aug 22 1143 - This Pacific Island peoples station heard at truly local level at turn-on, running a Christian church service in Polynesian language. The hymns were wonderful. (Bryant-WA)

+ Aug 22 1145 - Beautiful Maori or Polynesian hymn at tune-in; male announcer in island language with two mentions of Tonga. Fair to good signal. (Atkins-WA)

540 AUSTRALIA 4QL Longreach, Aug 21 1340 - Heard here at end of max. dawn with ABC Olympic coverage, under the vestiges of CBK, Regina. Very pleased with this new one. Presumed only, unfortunately. (Bryant-WA)

558 FIJI R. Fiji 1, Aug 22 1150 - Island music chorus rising out of the noise at 1150, but inaudible by 1158. At 1232, I found 684 Fiji at a nice level and parallel with 558, but only briefly. Poor to fair level overall. (Atkins-WA)

576 AUSTRALIA 2RN Sydney, Aug 20 1341 - Exotic Middle Eastern music and female vocals at good level, and parallel 792 4RN Brisbane as well as 8RN Katherine on 639. Orchestral music in a similar style 1348. (Atkins-WA) + Aug 20 1341 - Radio National at good level running a program of classical world music hosted by male. Not // 9580. Also noted on Aug. 21. (Bryant-WA)

594 AUSTRALIA 3WV Horsham, Aug 22 1212 - Australia Olympics coverage by two announcers in Aussie English, parallel to 684 8RN 2KP Kempsey. Poor, and signal soon replaced by other low-level stations in the sonic muck. Noted later at 1334 with more Olympics at good level. (Atkins-WA) + Aug 20 1345 - Noted as part of very late low band Aussie opening with ABC Local Radio + Metro Service Olympic coverage (cycling). Good level. Also noted on Aug. 22. (Bryant-WA) INDIA?? AIR Chinsura (very tent.), Aug 22 1248 - Tibetan/Bhutanese/Indian traditional singing over/under 3WV Horsham for about 2 to 3 minutes before fading precipitously. Did not sound Japanese. Was not CNR (checked SW parallels.) Coincided with sunset at the transmitter of this megawatt AIR eastern Foreign Service station. A few Japanese stations made a very brief showing about 6 or 7 minutes after this log and NHK1 Tokyo was on this channel VERY weakly, very briefly at that time. Will send tentative report to AIR and hope. The quest continues. (Bryant-WA) JAPAN JOAK Tokyo, Aug 22 1255 - Earlier in the hour, a real muddle on this frequency with 3WV Horsham mostly dominating with Australian team Olympics coverage. A tantalizing unidentified station (India?) made an appearance at 1250, but JOAK appeared alone on 594 just prior to 1300. Male talk in Japanese, then NHK1 time pips at 1300 and into news read by woman announcer. Fair to good. (Atkins-WA)

594 UNIDENTIFIED , Aug 22 1245 - At 1250, John and I heard music on this frequency that sounded East Indian or Tibetan; it may have been a Chinese outlet, but the CNR shortwave frequencies were not in parallel. Could it be the Indian East External Service from Chinsurah (1 megawatt), peaking just past East Indian sunrise? The signal faded just after 1250, and JOAK Tokyo took its place. (Atkins-WA)

612 AUSTRALIA 4QR Brisbane, Aug 20 1349 - Noted as part of very late low band Aussie opening with ABC Local Radio + Metro Service Olympic coverage (cycling). Good level. Also noted on Aug. 21. (Bryant-WA)

639 AUSTRALIA 8RN Katherine, Aug 20 1347 - Noted at a poor-fair level parallel to 2RN Sydney 576 and 4RN Brisbane 792 with Indian native flute and drums. (Atkins-WA) + Aug 20 1348 - Heard here clearly with classical Indian flute music. Parallel to other Radio National frequencies 576//792. Very pleased with this one. Other Northern Territory stations were checked but unheard on 20th. Also noted on Aug 22. (Bryant-WA)

666 AUSTRALIA 2CN Canberra, Aug 20 1350 - Noted as part of very late low band Aussie opening with ABC Local Radio + Metro Service Olympic coverage (cycling). Fair to poor as band faded. New station for me. (Bryant-WA) NEW CALEDONIA R. New Caledonia, Noumea, Aug 22 1333 - Good signal at peaks, with male and female talk in French, relaying R. France International and parallel 738 Papeete, Tahiti. Promo of some sort 1338. It's nice to hear Noumea again! (Atkins-WA) + Aug 22 1335 - Very happy to find FF dominating 666 after a decade of hoping to hear this station a second time. Was running France- Inter as per schedule (Atkins paralleled this to very poor 738, Tahiti.) Signal levels at times were near local level. WOW! (Bryant-WA)

675 NEW ZEALAND 3YA Christchurch, Aug 21 1154 - Presume this one heard on SW antenna only with light classical music at poor level. In most of AM. Not heard here in several years.

684 AUSTRALIA 2KP Kempsey, Aug 22 1218 - Olympics coverage with Aussie accent announcers in English, and parallel to 594 3WV Horsham. Poor, and faded down to mix with other unidentified stations. (Atkins-WA) + Aug 20 1355 - Noted as part of very late low band Aussie opening with ABC Local Radio + Metro Service Olympic coverage (cycling). Noted at poor level as band faded. Also noted on Aug. 21. (Bryant-WA) FIJI R. Fiji 1, Aug 22 1224 - Nice bits of island choral music and hymns heard during fade troughs of 2KP Kempsey, and at times mixing equal level with the Australian. At 1231 I found parallel 558 Fiji rising up nicely in parallel with 684. Poor-fair, but good level with island string music and vocals at 1313 recheck. (Atkins-WA) + Aug 22 1310 - Heard well with Fijian talk and beautiful island singing. No sign of 2KP Kempsey with Olympic coverage.(Bryant-WA)

702 AUSTRALIA 2BL Sydney, Aug 21 1250 - Continuing Olympic coverage on ABC MS and RR outlets. Good level. Also noted on Aug. 22. (Bryant-WA) + Aug 21 1304 - Good signal of Olympics coverage, and mentioning medals for Aussie soccer team. Parallel 774. (Atkins-WA)

738 AUSTRALIA 2NR Grafton, Aug 20 1346 - Noted as part of very late low band Aussie opening with ABC Local Radio + Metro Service Olympic coverage (cycling). Good level. Also noted on Aug. 21. (Bryant-WA) + Aug 22 1350 - Olympics commentary by female announcer, parallel 594 3WV Horsham. Fair to good. (Atkins-WA) NEW ZEALAND Radio Pacific, Christchurch, Aug 21 1308 - Possibly this news talk station with female in English, beneath 2NR Grafton carrying ABC Olympics coverage. Fair. (Atkins-WA) TAHITI R. Tahiti, Mohina, Aug 20 0938 - Noted in passing several times in FF at good level. Since the installation of their new transmitter, Tahiti has become our most predictable Trans-Pac station. Also noted on Aug. 22. (Bryant-WA) + Aug 21 0433 - Weak signal just past Papeete sunset; female announcer in French. (Atkins-WA)

756 NEW ZEALAND 1YA Auckland, Aug 22 1211 - Noted in passing with DUenglish discussion at fair to poor level. (Bryant-WA) + (pres.), Aug 21 1345 - Presume this in DUenglish on SW wire with promo for news. Mention of Wellington. Fair only. Also noted on Aug. 22. (Bryant-WA)

774 AUSTRALIA 3LO Melbourne, Aug 20 1347 - Noted as part of very late low band Aussie opening with ABC Local Radio + Metro Service Olympic coverage (cycling). Good level. Heard all three AMs of DXpedition. (Bryant-WA) + Aug 21 1003 - Presumed this stronger of the two Aussies on 774; female announcer in Aussie English with news of Iraq, before signal faded into the mush again. Poor-fair. (Atkins-WA)

783 AUSTRALIA 8AL Alice Springs (tent.), Aug 22 1317 - Very distinctive piano concerto at near local level briefly (2 minutes or so) which was parallel to but slightly delayed from next channel over, 792 ABC Radio National, 4RN, Brisbane. Unless there is a new Radio National outlet on this frequency, this was tentatively 8AL Alice Springs, the only ABC outlet there, which should probably have been running ABC Olympic coverage. Will contact 8AL immediately. Did not check SW possible parallel. As soon as concerto faded down, 783 Wellington dominated channel. (Bryant-WA) NEW ZEALAND 2YB Access Radio, Wellington, Aug 21 1325 - First time heard here as 'Access Radio' Was running an Irish program until 1330. IDed as 'Access Radio, 783 AM. Celebrating the Ethnic Diversity of Wellington!' Very good level toward the close of max. dawn. Also noted on Aug. 22. (Bryant-WA) + Aug 21 1328 - Folk music to 7-note xylophone music stinger and male announcer in English at 1229 ('Listen to the Irish Radio Program every Sunday, here on Access Radio...with news from Ireland and local news with Travis Davis, who will tell you what's happening and news from pubs...'), 1330 ID again including 'Access Radio 783 AM, celebrating the ethnic diversity of Wellington'. Good signal. (Atkins-WA)

792 AUSTRALIA 4RN Brisbane, Aug 20 1405 - Noted as band faded (almost 1 hour after Grayland's dawn) with Radio National classics world music program hosted by male announcer. Noted all three AMs of DXpedition. (Bryant-WA)

828 AUSTRALIA 3GI Sale, Aug 21 1335 - More ABC Olympic coverage at good level. Also noted on Aug. 22. (Bryant-WA) JAPAN JOBB NHK2 Osaka, Aug 20 1221 - Noted in passing at fair level with typical NHK2 program. (Bryant-WA) + Aug 22 1155 - Male announcer in Japanese at good level, mixing with 3GI Sale, Australia. Interesting conditions at this time with stations from both hemispheres audible. (Atkins-WA)

855 AUSTRALIA 4QB Pinalba (pres.), Aug 22 1155 - This directional station (to north as per 2003 QSL) is presumed the one heard here at fair level with the Aussie ABC Olympic coverage.

864 NEW ZEALAND 4ZA, Invercargill, Aug 21 1201 - Presume this one on SW antenna only with Down Under news at fair to poor level. Not heard here in several years. (Bryant-WA)

891 AUSTRALIA 5AN Adelaide, Aug 20 1348 - Noted as part of very late low band Aussie opening with ABC Local Radio + Metro Service Olympic coverage (cycling). Good level. Also noted on Aug. 21. (Bryant-WA)

936 AUSTRALIA 7ZR Hobart, Aug 21 1350 - Noted here at band fade with ABC Olympic coverage. Fair but fading fast. First time heard here in several years. (Bryant-WA)
UNIDENTIFIED, Aug 22 1357 - Low level signal briefly peaking to fair with gospel music. Noted only on southwest Beverage antenna. Possibly Southern Star, Christchurch, New Zealand, a religious network. (Atkins-WA)

972 REP. OF (SOUTH) KOREA HLCA Dangjin, Aug 20 1145 - Noted several times in passing at good to excellent level. Male talk in KK. Heard all three mornings of DXpedition. (Bryant-WA) + Aug 22 1317 - Female talk in Korean at a good level, but only briefly at 1320. Tentative.

1035 SOLOMON ISLANDS SIBC Radio Hapi Isles, Aug 21 0950 - Solomons making a brief appearance; male Pidgin announcer and island music with drumming and female chorus. Fair during peaks. (Atkins-WA)

1053 REP. OF (SOUTH) KOREA Jammer, Aug 20 1148 - This very usual bubble jammer noted most of the night on its normal perch. Its actually quite a good propagation indicator for the Korean peninsula. Also noted on Aug. 21. (Bryant-WA)

1098 MARSHALL ISLANDS WSZO Majuro V7AD, Aug 21 0745 - Marshalls making a brief appearance with female island vocals and chorus; male announcer in presumed Marshallese. 1098 peaked at a fair level for a short time just past Majuro sunset, but I did not notice WSZO return for another showing later throughout the evening. (Atkins-WA) + Aug 21 0950 - Noted here with fair audio. Continuous island music and under-modulated, as usual. Open carrier after 1100 recheck. OC noted all three AMs of DXpedition, as usual. (Bryant-WA)

1116 AUSTRALIA 4BC Sydney, Aug 21 0953 - Heard here all three mornings of DXpedition, as usual, with one of the most reliable TP signals on the band. General talk commercial programming.

1152 JAPAN NHK-2 Synchronos, Aug 21 1245 - Noted here briefly with JJ talk // to 1593. Was gone by 1320 (local ID time). Had hoped for the strongest, Naha, Okinawa. (Bryant-WA)

1188 JAPAN JOKP NHK1 Hokkaido, Aug 22 1201 - First noted 1201 with female Japanese talk, then signal gave way to a male announcer in English (possible Olympics coverage) and both were at equal level at 1203. Presumed JOKP rose to the top again at 1207, only to fade away again,

giving way to *two* unidentified stations this time (English talk and island choral music). A three-way traffic jam on 1188! (Atkins-WA)

1197 JAPAN JOWL Ashikawa, Aug 21 1215 - Heard here at good level. //to key station, JOWF, Sapporo, 1440. Usual pops programming. (Bryant-WA) UNIDENTIFIED , Aug 21 1016 - A real jumble on 1197--first noted female talk in Japanese, followed by Aussie or Kiwi-accent English mixing with Chinese. Poor level for four minutes, then deep fade. (Atkins-WA)

1206 CHINA CNR FS Yanjin (Jilin RGD), Aug 20 1230 - Excellent level Korean telephone interview by two males from this outlet in southern Manchuria. Heard at local level on Aug 21. (Bryant-WA) + Aug 20 1232 - Per Pacific-Asian Log, presumed this with Korean language male & female talk. Mentions of Shandong (a Chinese region) at 1235. Very good signal during peaks.

1215 CHINA (TENT.) CNR2 (tentative), Aug 21 1225 - Tentative this here at fair to good level. Was clearly in Standard Chinese, not the KK heard here on August 20th. Was not // 3985, a normal CNR2 outlet. Will send tentative report. (Bryant-WA) REP. OF (SOUTH) KOREA HLAJ Jinju, Aug 20 1235 - Korean lang. popular commercial programming with M+W chatting. This only one listed. Fair to poor. (Bryant-WA)

1242 JAPAN JOLF Tokyo, Aug 20 1332 - Excellent with All-night Nippon program of interviews, talk and pop music. (Bryant-WA)

1287 JAPAN JOHR Sapporo, Aug 20 0955 - Heard throughout most of darkness path at fair to good levels. Programming sounded like 'All-night Nippon.' Also noted on Aug. 21. (Bryant-WA)

1305 REP. OF (SOUTH) KOREA KBS Ulgjin (presumed), Aug 20 1158 - Presume this one noted at good level in KK. New one for me. Normal speed talk until TOH, then brief (uncaught) Net ID (pres.) followed by rapid-fire KK after. (Bryant-WA)

1332 JAPAN JOSF Nagoya, Aug 20 1205 - Noted here very steady at good level for last two hours of morning. Running happy talk and music, somewhat over-produced. Was likely 'All-night Nippon' program. (Bryant-WA)

1377 JAPAN NHK2 Synchronos, Aug 20 1210 - NHK2 news/weather programming noted after TOH. Heard at fair to poor level until band fade at 1345. (Bryant-WA)

1386 JAPAN NHK2 Synchronos, Aug 20 1306 - Heard at fair to poor level //1377//1593 and low band powerhouses. Also noted on Aug. 21. (Bryant-WA)

1422 JAPAN JORF Yokohama, Aug 21 1030 - Bouncy female announcer in Japanese to 1033, then signal faded away. Tentative, but JORF is the only Japan station listed in PAL for 1422. + Aug 20 1208 - Noted in passing at fair level with JJ talk by two men. Also noted on Aug. 21.

1440 JAPAN JOWF Sapporo, Aug 20 1218 - This 'on channel' key station for STV was a good indication that the 20th was a good/excellent high-band opening to Japan. JOWF heard at fair to good level. Also noted on Aug. 21. (Bryant-WA)

1503 JAPAN JOUK Akita, Aug 21 1035 - Female talk in Japanese at tune- in; after the signal returned 1038 from a fade, Asian orchestral music and talk heard with flute music 1043. Unidentified station began mixing at 1044, then Japanese language again 1059 with NHK network ID. Fair during peaks, and only on Northwest Beverage antenna. JOUK likely, as it's the strongest by far Japanese station shown for the frequency. (Atkins-WA) + Aug 21 1234 - This old friend noted in passing with some Olympic coverage at good level. (Bryant-WA)

1503 KOSRAE (FEDERATED STATES OF MICRONESIA) V6AJ Voice of Kosrae, Aug 21 1044 - South Pacific island style music heard briefly 1044, then soft religious or EZL female vocals in unid. language with piano accompaniment at 1048. Male singer with old time Gospel song 1049, and woman in Polynesian-sounding lang. with prayer or brief talk 1052. At 1055, definite island music heard again, with male announcer in English apparently closing out an evangelical program (mentions of 'broadcasts... thousands won to Christ'). Upon reviewing the recording, it sounds like the announcer is giving the program name as 'Jesus Can Save Radio, with James R. Hiney'. Shortly after this phrase he mentions 'Continue With Christ is broadcast in association with...'. I did a Google search for these possible program names but could not locate any clues. The beautiful island choral music peaked and went off at 1057, then silence for four seconds prior to a different male announcer saying, I believe, 'V-6-A-J'. The possible callsign is *extremely* weak and much lower level than the earlier programming, and no further content after that was heard. I didn't notice it until reviewing the minidisc. Bruce Portzer's latest Pacific-Asian Log shows English & Kosran languages for V6AJ, and a sign-off of 1100*. The music sounded very similar to Cook Islands native church hymns that I heard during a 1993 trip to Rarotonga. Best on Southwest Beverage. I also noted a very short peak of island music and drumming August 22 at 0803 on 1503. Very pleased with this 1 kw station, and potentially a new MW country for me. (Atkins-WA)

1557 CHINA-TAIWAN WYFR, Kouhu (pres.), Aug 21 1237 - Presume this the one in briefly with standard CC and seeming Christian program. Poor level and brief semi-log. (Bryant-WA)

1566 REP. OF (SOUTH) KOREA HLAZ Cheju Island, Aug 20 1005 - Heard throughout the DXpedition most hours of the darkness path, sometimes at amazingly good levels. (Bryant-WA) + Aug 21 1144 - Huge signal from this FEBC station. Serious talk or sermon by male in Japanese. Noted each night around this time. (Atkins-WA)

1575 THAILAND VOA Ayutthaya, Aug 20 1216 - Heard here for the last two hours of the night with fair to poor signal in SEA langs. VOA IDs, etc. Heard all three AMs of DXpedition. Sometimes at amazing levels. Should be audible elsewhere in NAM. (Bryant-WA) + Aug 21 1248 - Very good to excellent signal of male announcer in SE Asian language (Lao, Vietnamese, Khmer, etc.). Male vocals in lang. 1249, and 'VOA' ID at 1252. This signal popped up suddenly just past Bangkok sunset. (Atkins-WA)

1593 CHINA Heilongjiang RGD, Harbin (pres.), Aug 20 1217 - This one the usual CC here. Heard at very poor level but clearly in Putongwha Standard CC. (Bryant-WA) JAPAN JOTB Matsue, Aug 20 1312 - Male announcer in Japanese; mentions of Tokyo and 'NHK' at 1313. Monotonous reading of cities and temperatures (thanks to John Bryant for tip on weather info); upon reviewing MD, I found a weak but clear 'JOTB Matsue' ID at 1319. JOQR Niigata synchro could be heard in background at the same moment with 'JOQ...' call letters; at first I thought it was an echo effect on the Matsue ID. Signal level varied between poor and fair. I never would have noticed this ID if I was still using cassettes for recording, as it would be lost in the tape hiss. Minidisc and MP3 recordings provide much better S/N ratio for weak signal capture. (Atkins-WA) + Aug 20 1315 - Heard at fair to poor level //1377//1593 and low band powerhouses. At 1319 local ID, Guy Atkins recorded local ID. We both heard 'JOTB Matsue' clearly, with some echo. The echo was likely the announcer giving 'JOQB Niigata' ID. (Bryant-WA)

1629 AUSTRALIA 4DB Dalby, Aug 20 1240 - Tentative. Continuous country rock music at a very low level, often fading into noise level. Female announcer with Aussie accent 1251; into 'Small Town, Saturday Night' tune. 4 time pips heard at 1300, but no other audio heard due to fading. Best on SW Beverage. (Atkins-WA)

NORTH AMERICAN NEWS

✉ 20 Ryehill Park, Smithfield, Carlisle CA6 6BH

with Barry Davies

e-mail: na-news@mwcircle.org

Here we go again with another round up of what's been happening on the North America AM dial. My grateful thanks to the organisations which provide the news. Thanks this month to : - NRC, Radio News and Notes, North American Radio Log Book, NERW, DX-midAmerica and IRCA,



- 790 WAXY** South Miami FL. The station drops its variety format of music and talk and flips to sports. The station is now on the ESPN sports network. The switch may be connected to the recent format change at 940 WINZ?
- 830 WCRN** Worcester MA. A format change from "Swing 830" to classic oldies with the slogan "big hits and timeless classics."
- 950 WPEN** Philadelphia PA. Similar switch to 830 WCRN i.e. from nostalgia to classic hits from the 50s and 60s.
- 1070 WCSZ** Sans Souci SC. Format is now Black Gospel. (ex sports)
- 1200 WKOX** Framington MA. This SS religious station is due to join Air America talk network.
- 1250 WEMP** Milwaukee WI. The station is due to change from religion to 24 hour sports on September 12th the opening day of the National Football League (NFL) season. (Milwaukee Journal Sentinel)
- 1320 WTKZ** Allentown PA. The station has dropped SS pops and gone sports with ESPN.
- 1360 WKAT** North Miami FL. This classical music station has added information commercials covering health and hobbies. They also carry religion from Temple Israel.
- 1370 WDEA** Ellsworth ME. This nostalgia music station is off air due to problems with both their main and auxiliary transmitters. The transmitters are **50** years old and spares are a problem!
- 1430 WXKS** Everett MA. This nostalgia station is due to join the Air America talk network.
- 1520 KOKC** Oklahoma City OK. Familiar call letters KOMA have been changed to reflect the station's new emphasis on talk rather than news/talk. (Glenn Hauser) The station ID now runs, "News talk 15-20 KOKC Oklahoma City." The station has CBS network news on the hour
- 1620 WNRP** Atmore AL. A further change of call letters for this silent station whose phone has been disconnected. The original call was WPHG. After the station went dark the calls WBUB were registered for some unknown reason. The FCC has WNRP listed as a construction permit for Gulf Breeze FL?
- 1640 KDZR** Lake Oswego OR. This Radio Disney station has applied to the FCC for permission to go 10,000 watts full time.
- 1690 WWAA** Avondale Estates GA. New call letters (ex WSWK) and format. The format is now talk using the Air America network. (ex classic country.) The address is 38 Kenmare Hall NE, Atlanta, GA. 30324-2566.

That's me for another month and just enough space to send my best wishes for some good DX all around The Circle.

Barry

SOUTH AMERICAN NEWS

✉ Kirkåsveien 15, NO-1850 Mysen, Norway

with Tore B. Vik

e-mail: sa-news@mwcircle.org ☎ +47-69891192

Argentina

1360 R. Nuestra Señora de Itati – ex 1280

Cornachioni

1380 R. Vision AM, Buenos Aires has ceased operation and equipments are for sale

Nicolas Eramo

Brazil

600 ZYH287 R. Municipal (AM02 in WRTH) – e-mail: municipalsge@yahoo.com.br

Paulo Roberto e Souza

630 ZYH422 R. Dif. de Macapá (AP01) – e-mail: difusora_ap@hotmail.co,

Paulo Roberto e Souza

710 ZYI534 R. Rural, Santarém (PA04) – e-mail: radioeducadora@uol.com.br

Paulo Roberto e Souza

720 ZYK276 R. Guaíba, Porto Alegre (RS23) - ☎ correct CEP is 90019-900

Célio Romais

720 ZYH202 R. Intergração (AC01) – ☎ +55 68 322 4637 📠/6511 – e-mail: rtvi@omegasul.com.br

Paulo Roberto e Souza

740 ZYH206 Super Rádio Alvorada (AC02) – e-mail: severian_jose@brturbo.com

Paulo Roberto e Souza

760 ZYH461 R. Cidade, Vitória da Conquista (BA44) – ex 1550

Cláudio R.Moraes

780 ZYK279 R. Pampa, Porto Alegre (RS31)// 970 (RS49) – e-mail: pampa@pampa.com.br

Célio Romais

840 ZYJ320 R. Inconfidência, Umuarama (PR75) – ex 1330

Cláudio R.Moraes

870 ZYL304 R. Juriti (MG78) – Rua Alexandre Silva 295, 38600-000 Paracatu

Grimm via ConDig

940 ZYH940 R. Verdes Florestas (AC04) – e-mail: verdesflorestas@yahoo.com.br

Paulo Roberto e Souza

1050 ZYJ286 R. Club de Palmas (PR99) – e-mail: comercial@radioclubamfm.com.br

Pedroso in ConDig

1290 ZYH889 R. Timbira (MA10) - ☎ Av.Jerônimo de Albuquerque 73, Cohafuma, 65071-750 São Luis

e-mail: radiotimbira.raimundofilho@bol.com.br

Paulo Roberto e Souza

1300 ZYK203 R. RGS, Porto Alegre (RS104) – Web: www.lbv.org

Célio Romais

1380 ZYH283 R. Alvorada (AM12) – e-mail: alvorada@parintinsnet.com

Paulo Roberto e Souza

1390 ZYI535 R. Educadora (PA12) – e-mail: educadora@eletronet.com.br

Paulo Roberto e Souza

1400 ZYH200 R. Dif. Acreana (AC06) – e-mail: comercial.difusora@ac.gov.br

Paulo Roberto e Souza

1400 ZYJ339 R. RBN (PR119) – from 1530 – ☎ Rua D.Pedro II 1889, 83601-610 Campo Largo, PR

☎ +54 41 292 2670 📠 +54 41 393 3734 – e-mail: radiorbn@uol.com.br

ConDig 277

1430 ZYG671 R. Caiari (RO11) – Web.: www.radiocaiaru.com.br – e-mail: caiari@radiocaiari.com.br

Paulo Roberto e Souza

1590 ZYJ823 R. Floresta Negra (SC101) – e-mail: publicidade@florestanegra.com.br

Pedroso in ConDig

Peru

560 OBZ4L R. Oriente - ☎ Av.Iquitos 737, La Victoria, Lima

Alfredo Cañote Bueno

640 OAZ4K R. Del Pacifico – Web.: www.grupopacifico.org/pacificoradio.html

Alfredo Cañote Bueno

640 OBX7B R. Onda Azul – Web: www.radiondaazul.com

Alfredo Cañote Bueno

850 OBU7Z Instituto de Desarrollo, Educación y Asesoría Legal, Jr. Acora 222, Puno

Alfredo Cañote Bueno

879 OAU1G R. San Pedro Chanel (n.f. 880) – Web: chanel.edu.pe/serviciosl.php

Alfredo Cañote Bueno

930 OAX4E R. Moderna – e-mail: correomoderna@hotmail.com

Alfredo Cañote Bueno

1140 OAX6L R. Concordia – rel CPN - ☎ Av. la Paz 512, Arequipa

Alfredo Cañote Bueno

1190 OBX3D R. Ancash – Web: www.invierteenhuaraz.com.pe/radioancash/default.asp

Alfredo Cañote Bueno

1380 OCY4U R. Nuevo Tiempo - ☎ Calle Los Heliotropos 276, Santa María de Chosica, Lima

Alfredo Cañote Bueno

1420 R. Oriente, Yurimaguas – e-mail: vicariatoyms@terra.com.pe

Alfredo Cañote Bueno

1457 OAX1V R. Sullana (n.f. 1460)

Alfredo Cañote Bueno

1530 OBU4C Milenia Radio - ☎ Av.Arnaldo Máquez 1944 Jesús Maria, Lima 11

Alfredo Cañote Bueno

1610 R. Carabamba, Carabamba, Prov. de Julcánn, Dept. La Libertad

reported by Björn Malm in Quito

1610 R. Haqaira, Haqaira Prov. de Cotabambas, Apurimac

reported by Björn Malm in Quito

Uruguay

1480 CW148 R. Universo, Castillos – e-mail: radio@universo.com

Nigro in HCDX

SUMMER TIME STARTS: UTC-3 will shift to UTC-2 from 0300 Sep 19, 2004 to 0300 Mar 14, 2005. Decree has been signed. (Nigro-Uruguay, via HCDX Digest Vol. 21, #17, 16 September 2004).

REPRINT CATALOGUE

with Clive Rooms

e-mail: reprints@mwcircle.org ☎ 01582 598989

ANTENNA TOPICS

- A01 **Diff Matching Amplifier** *How to make the best possible impedance match between a loop antenna and your receiver*
3pp £0.35 06/86 Steve Whitt
- A02 **An Introduction to Aerials for MW DX** *Theory and practise in this essential field*
4pp £0.50 S Whitt
- A04 **The “C” wound loop and Diff Current Amp** *Another practical solution based on years of experience* 2pp £0.25 Graham Maynard
- A06 **The Antenna Forum** *Some essential background in the development of MW receiving Antennas*
6pp £0.70 Ken Brownless
- A07 **Antennas – Is Bigger Better?** *An introduction to the factors that influence reception and how to use them* 2pp £0.25 Steve Whitt
- A08 **Tips on building a MW Loop Antenna** *Notes on building loops, written in question and answer form* 2pp £0.25 S Whitt
- A09 **LIL-1, Loop & Wire Phaser** *A new circuit for combining signals from loop and end-fed antennas*
3pp £0.35 01/93 D Lankford
- A10 **An efficient 3m Whip** *A practical description for a lot of antenna performance from a small footprint* 2pp £0.25 01/93 D Wraight
- A11 **Building a Basic Beverage Antenna** *A practical guide written by a devotee of the Beverage*
4pp £0.50 01/93 Steve Whitt
- A12 **Becoming an Antenna Master** *Probably the best introductory text to MW receiving antennas available anywhere*
15pp £1.80 01/93 Graham Maynard
- A13 **Interference Reducing Antennas for MW** *A review of early technical literature*
7pp £0.85 01/92 D Wraight
- A14 **Low Noise Antenna Connection** *Keeping noise at bay in your antenna system*
3pp £0.35 06/94 J Doty
- A15 **MWDX-6 Phasing Unit** *Detailed construction and operating notes for this advanced antenna phasing unit. Experience essential.*
32pp £3.70 09/94 Mark Connelly.
- A16 **A Simple D-I-Y Loop Antenna** *A quick, cheap and effective antenna for Medium Wave*
1pp £0.12 02/95 A Sykes
- A17 **Litz Wire Explained** *What it is, how to use it and why you ought to*
2pp £0.25 03/95 M Lee
- A18 **Ultralinear 2N5109 & 2N3053 Amplifiers** *Design and construction details of state-of-the-art RF amplifiers* 11pp £1.30 04/95 D Lankford
- A20 **The Full-size, Full-performance Loop** *How to get the best possible signal/noise ratio, and a symmetrical antenna directivity pattern*
7pp £0.85 04/95 R Moore
- A21 **Ultra-Linear Amplified One Metre Whip Antenna** *Design and construction details for broadband antennas with excellent strong signal handling* 14pp £1.70 04/95 D Lankford
- A24 **Grounding is the Key to Good Reception** *Understanding the way your Earth connection works can make great improvements to reception*
5pp £0.60 02/95 J Doty
- A27 **Another look at noise reducing antenna Systems** 3pp £0.35 07/92 M Connelly
- A28 **The MWT-3 Regenerative Tuner/Controller** *Full instructions for building and operating. Experience essential, this applies to all the M Connelly reprints.*
27pp £3.25 05/93 M Connelly
- A29 **DL-2 Delay-Line Phasing Unit** *Diagrams and instructions for building*
19pp £2.30 05/95 M Connelly
- A30 **K9AY Terminated Loop** *Various reports on this new antenna* 6pp £0.70
- A31 **Co-Located Passive Loop & Whip** *Experiments with Mark Connelly* 2pp £0.25
- A32 **Remote Termination for the K9AY** *A d-i-y project with Andy Ikin* 3pp £0.35 1999
- A34 **Antenna Ground Systems** 3pp £0.35 1999 Dan Strassberg
- A36 **Simple Box Loop Antenna** *D-i-y project*
1pp £0.12 1999 Hugo Caron
- A37 **Broadband Loop Aerials** *Andy Ikin considers using active loops* 9pp £1.05 1999
- A39 **A D-I-Y Loop Antenna** 1pp £0.12 1999 Carver Corporation
- A40 **A \$10 Broadcast Band Loop Antenna** 2pp £0.25 1999 Bruce K Opitz
- A41 **An Unamplified Four Foot Box Loop** *Another d-i-y project*
6pp £0.70 Shawn Axelrod
- A42 **A Remotely Tuned MF Receiving Antenna** 2pp £0.25 10/84 AJ Cawthorne
- A43 **3 Foot MW Loop** 4pp £0.50 1999 Don Moman
- A44 **How to build a Tuned Loop Antenna**

- 2pp £0.25 1999 Chris Ridley
- A45 **Add-on Loop Amplifier**
D-i-y with circuit diagram
1pp £0.12 1999 Bruce Carter
- A46 **Modify that Ferrite Rod Antenna** *Includes before and after circuit diagrams*
5pp £0.60 Bruce Carter
- A47 **BBL-1 Broadband Loop Antenna** *Construction project – experience needed*
22pp £2.65 04/99 M Connelly
- A48 **DXP-1 DXPedition Phasing Unit**
Full instructions, diagrams etc.
17pp £2.05 01/99 M Connelly
- A49 **Two Updated Remote Active Antennas**
RL-1 remotely tuned loop & RW-1 remotely tuned whip. Instructions, parts lists, diagrams etc.
19pp £2.30 06/96 M Connelly
- A50 **The DCP-2 Dual Controller/Phaser**
For tuning 2 varacator-tuned remote antennas [active or passive] D-i-y, experience essential
27pp £3.25 05/96 M Connelly
- A51 **Remote Antenna Termination** *Experiments in remotely controlling the termination of a beverage V or rhombic*
2pp £0.25 07/95 M Connelly
- A52 **ATL3 Loop Antenna Construction Project**
With diagrams
3pp £0.35 04/00 Graham Maynard
- A53 **The Ewe in the Garden** *An outdoor aerial which covers LW up to 10MHz*
4pp £0.50 02/01 Michael Schnitzer
- A54 **Sloper Antenna Tests** *How to build and test a sloper* 3pp £0.35 05/01 M Connelly
- A55 **Testing the KAZ Aerial** *The MW aerial designed by Neil Kazaross*
5pp £0.60 05/01 John Bryant
- A56 **Pennant & KAZ Aerials** *Comparison tests between the two plus Ken Alexander tests the Pennant MW antenna*
7pp £0.85 07/01 Mark Connelly
- A57 **Phasing Improves the KAZ** *How to get more from the KAZ*
5pp £.60 09/01 Mark Connelly
- A58 **Maynard 6x6 MW Loop**
The design for this outdoor Loop
1pp £0.12 09/01 Graham Maynard
- A59 **Hula Loop MW Antenna** *Instructions for building this round Loop*
7pp £0.85 03/03 Sean Gilbert G4UCJ
- A60 **Easy Start Loop** *A simple Loop to build*
2pp £0.25 12/02 Steve Whitt
- A61 **Ground Wire Aerials** *Using ground wires as an effective antenna* 7pp £0.85 11/01 P Chambers
- A62 **DXP-2 DXPedition Phasing Unit** *Phasing with 2 antennas to null out a dominant signal*
11pp £1.30 09/00 Mark Connelly
- A63 **DXP-3 DXPedition Phasing Unit**
10pp £1.20 09/00 Mark Connelly
- GENERAL TOPICS
- G03 **Heterodynes, Whistles and What to do** *An explanation of what causes those intrusive noises*
1pp £0.12
- G07 **Great Circles** *How to calculate Great Circle bearings and distances. With BASIC computer programme listing*
2pp £0.25 03/90 Steve Whitt
- G08 **Common Abbreviations used in MWN**
The Editor's shorthand explained
2pp £0.25 03/99 S Whitt
- G12 **Receiver Choice** *What to look for when choosing a receiver* 2pp £0.25 S Whitt
- G17 **A Few Facts Concerning RGO,GMT & UT**
A description and history of time standards from a Professor of Geophysics
2pp £0.25 10/95 R B Langley
- G35 **Oddly Delayed Signals** *Q & A explaining why some "parallel" broadcasts arrive out of sync.*
2pp £0.25 07/96
- G38 **Noise Blankers. Any Good?** *Deciding whether or not to use a noise-blanker*
1pp £0.12 08/96 David Atkins
- G39 **NAVTEX Resources** *An explanation of Maritime Safety Information broadcasts*
3pp £0.35 2001
- G41 **Independent Radio** *The first 25 years of UK ILR stations* 16pp £1.90 1999 Meg Carter
- G42 **Intro to Digital Radio**
3pp £0.35 10/00
- G43 **Digital Radio Mondiale** *An explanation of the digital enhancement of AM signals*
12pp £1.45 03/01 Jonathan Stott
- G44 **ALF & DCF42** *Accurate Positioning by Low Frequency* 3pp £0.35 02/03 Klaus Betke
- G45 **Toroidal Cores : Ferrite Cores** *List of types and sizes available* 5pp £0.60
- G46 **DRM: History of Digital Radio Mondiale**
7pp £0.85 10/03 Lawrie Hallett
- RADIO HISTORY/STATION PROFILES
- H01 **Pioneer Broadcasting Stations in the US**
Early North American Radio History
8pp £0.95 06/92 T H White
- H03 **Armed Forces Broadcasting in Europe & M. East** *A history and logging of Forces Broadcasters since 1943*
14pp £1.70 01/93 S Martinsen
- H06 **Time and Frequency Station MSF** *How the time*

- is coded and broadcast from Rugby*
3pp £0.35 03/95 P Gladstone
- H07 **KDKA & WHA – World’s Oldest Broadcaster?**
A brief history of these two US stations
1pp £0.12 04/95 S Whitt
- H09 **A Tour of WWV** *What happens at Fort Collins*
2pp £0.25 01/92 W Heinen
- H12 **Cobra Mist** *An insight into the BBC World Service Orfordness site.*
1pp £0.12 J Heering
- H18 **The British Forces Broadcasting Service**
A brief survey of the various areas of BFBS operation from WW2 Algeria to Gulf War Kuwait
4pp £0.50 09/91 Tom Williamson
- H19 **Police on MF** *The history of Police Communications on Medium Wave*
5pp £0.60 04/96 B Pears
- H21 **The KTRK Story** *For 3 days, a military broadcasting rig played rock and pop on air*
2pp £0.25 04/96
- H22 **AM Stereo File** *A collection of articles about AM stereo* 7pp £0.85 04/94
- H23 **Early Offshore Days** *European off-shore Stations before Caroline*
2pp £0.25 05/99 C Rooms
- H24 **1960’s Offshore Memories**
5pp £0.60 09/97 C Rooms
- H25 **1970’s Offshore Memories**
5pp £0.60 04/99 C Rooms
- H26 **1980’s Offshore Memories**
5pp £0.60 05/99 C Rooms
- H27 **Irish Radio History** *Irish museum of radio in Cork* 2pp £0.25 05/99 Len Walker
- H28 **Forty Years Ago** *Bernard Brown remembers when he was a BBC Listening Panel member*
1pp £0.12 1999
- H29 **Remember When?** *A look back at the broadcasting scene in 1937, complete with LW & MW Frequency listing in Europe*
5pp £0.60 1998 C Rooms
- H30 **The First RSLs** *Personal memories of the first RSL in 1983*
2pp £0.25 Norman McLeod
- H31 **BBC Monitoring** *How it all began*
3pp £0.35 Richard D’A Mariott D.F.C.
- H32 **Police Radio CB82** *Police Radio in Chile*
1pp £0.12 1998 Len Walker
- H33 **Collecting Radios** *A few tips on vintage radios*
1pp £0.12 1999 John Williams
- H34 **Argentina: Early Radio** *A brief history*
8pp £0.95 11/00 Carlos A Altgelt
- H35 **History of Hospital Broadcasting in the UK**
1920’s to now 4pp £0.50 09/01 John Watson
- H36 **Extra-Terrestrial DX** *An amusing story from 1924* 2pp £0.25 01/03 Thomas H White
- H37 **Malin Head Radio** *100 years of service*
5pp £0.60 02/02 M. Mullins & F. O’Connor
- H38 **Ionospheric Science** *A history – 1920 to now*
8pp £0.95 11/01 Dr Chris Davis
- H39 **London’s Radio Station - Brookmans Park**
5pp £0.60 03/02 Lilian Caras
- H40 **Offshore Radio US Style** *The story of KKOL in Seattle’s Elliott Bay*
4pp £0.50 02/03 James A Dalke
- H41 **WWVB Improvements** *A brief history*
15pp £1.80 Matthew Deutch, Wayne Hanson, Glenn Nelson, Charles Snider, Douglas Sutton, William Yates
- INTERFERENCE
- I01 **Identifying Interference** *Some causes and effects you might encounter* 1pp £0.12
- I02 **Noise, some causes and some cures** *Practical steps to take in tracing noise sources*
2pp £0.25 W Heinen
- I03 **How to Detect Ground Faults**
Another search for sources of noise
2pp £0.25 E M Jordan
- I04 **Reducing Shack QRM** *Tracking down and curing those sources of noise in your Radio room*
2pp £0.25 03/96 S Whitt
- I05 **Rogue Thermostats and how to find them** *With the help of the Radio Communications Agency*
2pp £0.25 10/01
- LISTS
- L01 **North American DX heard in UK & Eire**
23pp £2.75 08/04
- L02 **C American & Caribbean DX heard in UK & Eire** 12pp £1.40 08/04
- L03 **African & Asian DX heard in UK & Eire**
10pp £1.20 08/03
- L04 **S American DX heard in UK & Eire**
19pp £2.30 03/04
- L08 **Best Bets for Transatlantic DX: N America**
3pp £0.35 08/03 Steve Whitt
- L09 **Best Bets for Transatlantic DX: C America & Caribbean** 2pp £0.25 08/03 S Whitt
- L11 **MF Coastal & Maritime Stations 1608-4000kHz**
26pp £3.10 08/03
- L16 **Long & MW Transmitters in the UK & Eire**
18pp £2.15 08/03
- L17 **Low Power DX** *Listing all the 1 watt RSL stations heard at a distance of over 85 kms*
3pp £0.35 08/03 Steve Whitt
- L18 **MF W/T 305-538 kHz Coastal Radio Stations**
8pp £0.95 08/03 Robert Maskill
- L19 **NAVTEX Broadcasts on 490 & 518kHz**

Europe & Americas

- 2pp £0.25 09/02
- L20 **Aero Beacons in the UK & Ireland**
6pp £0.70 07/02 Alan Gale
- L21 **Maritime Differential GPS Stations in Europe**
6pp £0.70 08/02
- L22 **Standard Frequency & Time Signal Stations on LW & SW** *Full technical details of stations around the world*
26pp £3.10 08/02 Klaus Betke
- L23 **EFR: Europäische Funk-Rundsteuerung** *Full details [in English] on German power control stations DCF49 on 129.1kHz & DCF39 on 139.0 kHz*
3pp £0.35 Klaus Betke
- L25 **NDBs in UK & Ireland**
6pp £0.70 02/03
- L26 **List of Gas Platforms with NDBs**
4pp £0.50 02/02 Alan Gale
- L27 **Canadian, North Atlantic & Caribbean NDBs**
17pp £2.05 02/03 Jacques d'Avignon VE3VIA
- L28 **Low Frequency Guide 30-150kHz**
5pp £0.60 08/03
- L29 **Radionavigation Beacons in Brazil**
10pp £1.20 11/03 Jorge Jackyma Jr

OPERATING TECHNIQUES

- OT01 **Computerised DXing** *DXing with the aid of a computer programme*
3pp £0.35 1999 Nick Hall-Patch
- OT02 **Trans-Pacific DXing** *Musings by the Grayland, WA crew*
3pp £0.35 1999
- OT05 **Tips for the newcomer** *Getting started in MW DXing*
2pp £0.25 Steve Whitt
- OT06 **Receiver, Logbook** *Techniques for improving the number of possibles at your QTH*
6pp £0.70 11/88 Graham Maynard
- OT07 **DX while you sleep** *Introductory notes on unattended recording*
1pp £0.12 T Sundstrom
- OT08 **Back to Basics** *Getting off to a good start in MW DXing*
3pp £0.35 06/96 S Whitt
- OT09 **Identify that Station** *Whether to classify a station as Identified, Presumed, Tentative, Unid.*
1pp £0.12 Steve Whitt
- OT10 **A DXer's Perspective** *One member's account of his antenna experiments and listening techniques*
5pp £0.60 01/96 Ken Baird
- OT11 **Medium Wave-A Practical Approach** *Everything the listener needs to know before settling down to some serious listening*
23pp £2.75 05/87 Graham Maynard
- OT15 **Setting up a successful MW monitoring station**
7pp £0.85 J Cooper
- DXing MW Harmonics** *The ultimate challenge just when you thought you had logged everything*

- 6pp £0.70 02/96 Don Moore
- OT17 **Catch a US Daytimer** *Finding N/Am daytime-only broadcasters*
1pp £0.12 10/92 Steve Whitt
- OT18 **Introducing MW DXing** *A complete guide to a successful start in MW DXing*
20pp £2.25 04/94 Steve Whitt
- OT19 **Trans-Polar Signals** *Solar conditions aiding reception below 5 MHz*
4pp £0.50 09/00 Paul Ormandy
- OT20 **Recording on your PC** *Recording from your radio to your PC*
1pp £0.12 02/01 Paul Crankshaw
- OT21 **Emerging Techniques in High Tech DXing** *Comprehensive introduction in how to use modern computer software to enhance your DXing*
20pp £2.40 02/02 Atkins, Bryant, Hall-Patch & Nelson
- OT22 **DX Radar: Using a PC for Trans-Atlantic DX**
4pp £0.50 10/02 Christoph Mayer
- OT23 **MW Spectrum Scanning** *Using the free Spectrum Laboratory software for signal monitoring*
5pp £0.60 10/02 S Whitt
- OT24 **MW Carrier Monitoring** *Using the Spectrum Lab audio analysis software*
5pp £0.60 09/02 Mark Hattam
- OT25 **Use a PC Soundcard for SSB/CW/AM Demodulation** Nick Hall-Patch/**Recall-Pro** *Computer recording* Guido Schotmans
4pp £0.50 05/03
- OT26 **VLF Sensor Elements** *How to listen in the 10-500,000 Hz range*
3pp £0.35 09/03

PROPAGATION

- P01 **Using Data from WWV** *Using the message from this ubiquitous station to improve your DX performance*
6pp £0.70 01/88 Barry Davies
- P03 **Skywaves** *Guidelines for DXers*
1pp £0.12 Steve Whitt
- P05 **Geomagnetic Measurements and MW DX** *The relationship between scientific figures and practical results*
4pp £0.50 K Scrimgeour
- P06 **Glossary of Propagation Terms** *What all those words mean*
12pp £1.45 11/95 HAM-NET
- P07 **Meteorological Effect on MW Groundwave** *A summary of the research papers and an explanation*
8pp £0.95 R Edmunds
- P08 **The Riddle of Coronal Holes**
2pp £0.25
- P09 **Sea Gain** *Does the ocean help propagation?*
12pp £1.45 R Seaver
- P10 **Solar Activity, Earth's Magnetism and MW DX**

- The relationships between Earth's magnetic field, Solar activity, and DX*
15pp £1.80 01/88 R Seaver
- P12 **WWV Time & Frequency Data** *Everything you need to know to make best use of the time, frequency, and propagation Standard*
7pp £0.85 01/96 NBS
- P15 **Radio Wave Propagation**
4pp £0.50 1994 N Cohen & K Davies
- P16 **Aurora: Some Facts**
4pp £0.50 1996 L Coombs & R Viereck
- P17 **The Ionosphere: Some Facts**
4pp £0.50 1999
- P18 **Solar Maximum: An explanation**
4pp £0.50 1999 Gary Heckman
- P19 **Navigation** *Radio Navigational Systems*
4pp £0.50 1995 Joe Kunches
- P20 **Luxembourg Effect** *How cross-modulation occurs with multiple transmissions from a single site*
2pp £0.25 08/96 J F Riley
- P21 **Natural ELF/VLF Radio** *A listener's story about "Natural" emissions at very low frequencies. Includes RX circuit diagram*
23pp £2.75 03/96 S P McGeevy
- P22 **Signal Strength Recording as an aid to Propagation Studies**
9pp £1.05 1999 Nick Hall-Patch
- P23 **The Sun Does a Flip** *Our sun's magnetic field has flipped*
3pp £0.35 04/01 Dr Tony Philips
- P24 **The Luxembourg Effect** *An explanation*
2pp £0.25 10/00 C G Bennett
- P25 **Propagation of Long Radio Waves** *This focuses on propagation of waves in the 100kHz-200kHz range*
32pp £3.80 01/99 J A Adcock
- P26 **The 160 Meter Band: An Enigma Shrouded in Mystery** *16 pages of considerable relevance to MW DXers*
16pp £1.90 1998 Oler & Cohen
- P27 **MW Carrier Propagation**
4pp £0.50 11/02 Derek Malyon
- P28 **MF Radio Propagation** 7pp
£0.85 12/02 Thomas Giella KN4LF/NNN0HUS
- P29 **The Resurgent Sun**
3pp £0.35 02/02 Dr Tony Philips NOAA
- P30 **Propagation of Long Waves**
18pp £2.15 1999 J A Adcock VK3ACA
- EQUIPMENT REVIEWS**
- R01 **Review of Sony TCM-38V Cassette Recorder**
2pp £0.25 01/91 Steve Whitt
- R03 **Review of Lowe HF225 Europa**
2pp £0.25 01/93 S Whitt
- R04 **Receiver Showdown** *The Icom R9000, R71A, JRC NRD535D, Drake R8 and Collins 390*
5pp £0.60 01.94 G Thomas
- R06 **GE Superadio** *Frequently Asked Questions*
10pp £1.20 01/94
- R07 **Sherwood NRD 535SE Review**
2pp £0.25 04/94 M Tichon
- R08 **JPS NIR-10 DSP Filter Review**
7pp £0.85 01/96
- R09 **Maynard ATL-3 Loop**
1pp £0.12 04/95 S Whitt
- R10 **Howes CTU8 Antenna Tuner Review**
1pp £0.12 04/95 A Sykes
- R11 **GE Superadio III Review**
2pp £0.25 D Mosian & R Hunt
- R12 **Collins R390A-The Original World's Best** *How to get the best out of this classic receiver-without major surgery*
7pp £0.85 05/92 Graham Maynard
- R14 **Sony SW77** *Two reviews of this outstanding receiver*
7pp £0.85
- R15 **Collins R390A-What's So Special?**
3pp £0.35
- R16 **Drake SW8 Review**
2pp £0.25 02/94 J Goldman
- R17 **Watkins Johnson HF1000** *The professional standard receiver under scrutiny*
4pp £0.50 06/94 T Roach
- R18 **Kiwa/Quantum Loop Comparison** *A user puts these two side-by-side*
1pp £0.12 E Strauss
- R20 **The Porter DMA** *A technical and user review of this Differential Matching Amplifier, and how it can improve performance*
1pp £0.12 05/89
- R21 **JPS ANC-4** *The new antenna noise canceller that really seems to work*
2pp £0.25 01/96
- R22 **JRC NRD-535 Review**
2pp £0.25 01/96 Radio Nederland
- R23 **AR7030 User Reviews**
6pp £0.70 06/96 G Atkins
- R24 **R Nederland Tests the AR7030**
10pp £1.20 06/96
- R25 **AR7030 In Depth** *A detailed review of this outstanding receiver*
10pp £1.20 08/96 G Atkins
- R26 **Kiwa Pocket Loop** *A user gives the new loop a thorough testing*
1pp £0.12 08/96 G Atkins
- R27 **The Forster TL Active Loop** *An antenna expert takes a close look at this active MW & SW loop*
4pp £0.50 06/96 Graham Maynard
- R31 **The AR7030-Another View** *A user's detailed comments, with additional notes from the radio's designer*
3pp £0.35 04/96 S Whitt
- R32 **Lowe HF250** *Two users describe their*

- experiences* 2pp £0.25 05/96
- R33 **DSP9+ Audio Filter** *An addition to your equipment that seems to work* 2pp £0.25 05/96
- R34 **TEN-TEC RX320 PC Radio Review**
5pp £0.60 1999 Alan Johnson
- R35 **Wellbrook UMB130** *Discourse on the Universal Magnetic Balun 130*
4pp £0.50 1999
- R37 **NRD545 Receiver** *User opinion*
1pp £0.12 1999 Hans de Zeeuw
- R38 **Sony SRF-42 AM Stereo Walkman** *User feedback* 2pp £0.25 1999
- R39 **MFJ-1026 Phaser Review**
1pp £0.12 1999 Paul Ormandy
- R40 **MFJ956 Antenna Tuner Review**
1pp £0.12 1999 Ragnar Danneskjold
- R41 **Wellbrook ALA 100 Large Aperture Active Loop Antenna** 3pp £0.35
- R42 **Wellbrook ALA 1530 Loop Antenna**
User review 2pp £0.25 John Evans
- R43 **JRC545: First Impression**
2pp £0.25 1999 Karen Milliken
- R44 **Optimus 12-604A Receiver Review**
1pp £0.12 1999 Ragnar Danneskjold
- R45 **AOR LA320 Loop Antenna** *Review of this 0.2 – 30MHz active tuned loop*
2pp £0.25 1999 Steve Whitt
- R46 **K9AY Antenna** *Review of this revolutionary outdoor antenna*
3pp £0.35 1999 Steve Whitt
- R47 **Wellbrook K9AY Antenna: Initial impressions**
4pp £0.50 04/00 John Bryant
- R48 **Palstar R30 Receiver** *From a DXer's viewpoint*
7pp £0.85 07/00 Gerry Thomas
- R49 **Optimus 12-603A on MW** *Non-technical review of this mid-size portable*
4pp £0.50 04/01 David Knisely
- R50 **GE Superadio III on MW** *General Electric's latest portable*
3pp £0.35 04/01 David Knisely
- R51 **Grundig YB400PE on MW**
3pp £0.35 04/01 Nick Hall-Patch
- R52 **MFJ-1026 Noise Canceller** *Various reviews and tests of the 1026*
20pp £2.40 2003
- R53 **MFJ-1026 Noise Canceller Instruction Manual**
16pp £1.90
- R54 **Impressions: Drake R8B**
2pp £0.25 07/02 Rick Kenneally
- R55 **Loop Shoot-Out: Kiwa v Quantum**
4pp £0.50 10/01 Mark Connelly
- R56 **TEN-TEC RX320 on MW**
4pp £0.50 03/02 Nick Hall-Patch
- R57 **NRD535D as a MW Receiver** 3pp £0.35 Colin Newell, Nick Hall-Patch, Dr Walter Salmaniw
- R58 **AOR LA350 Experience**
1pp £0.12 04/03 Dave Smith
- R59 **JRC NRD-545**
2pp £0.25 12/03 Nick Hall-Patch, Martin Hall
- R60 **ICOM IC-PCR1000**
5pp £0.60 05/03 Nick Hall-Patch
- R61 **Active Antennas** *The AMRAD & Wellbrook ALA100 Active Antennas*
4pp £0.50 10/03 Nick Hall-Patch
- R62 **Using The R75 For MW DX**
4pp £0.50 02/04 Nick Hall-Patch
- TECHNICAL ARTICLES
- T01 **Find & Repair Blown Transistor in Sony 2001D**
How to check that FET, fix it, and protect it.
1pp £0.12 3/95 M Covington
- T02 **NRD525 Filter Mods** *A practical assessment of the best modifications*
6pp £0.70 04/95 D Lankford
- T03 **Drake R8: Increased Dynamic Range**
A practical guide to the improvements you can make 5pp £0.60 04/95 D Lankford
- T05 **Fine Tuning for the Sangean 803A**
Add this feature to your 803A
2pp £0.25 John Adams
- T06 **Add Sync-AM to the Sangean AT803A**
Enhance your listening pleasure with this simple mod. 2pp £0.25 10/95 Graham Maynard
- T07 **Hot Rod the Europa 225** *Modifications to Improve the strong signal performance of this excellent rig.*
2pp £0.25 07/94 Steve Whitt
- T10 **Get the best from your Sony ICF2010 + Get even more from your Sony ICF2010**
How to already improve this impressive receiver. Now both books together in A4 format.
19pp £2.30 Steve Whitt
[T1 + T10 worldwide airmail US\$7 including postage.]
- T11 **Intermodulation Testing** *A professional's thoughts on the ways of testing receiver intermod, and some pitfalls.*
3pp £0.35 06.96 John Thorpe
- T12 **Modify Grundig Satellit 650** *How to disable the internal aerial to improve MW reception with your loop or beverage.*
1pp £0.12 05/96 Paddy O'Horan
- T14 **High & Low Pass Filters** *Includes a circuit diagram to build 500kHz LP filter and 2MHz filter.* 1pp £0.12 1999 Steve Whitt
- T15 **Homemade MW Receiver** *Instructions and diagrams for building this double superhet LW/MW receiver with sync AM detection.*

- 7pp £0.85 07/01 Ad Dieleman
- T16 **Audio Switching Device** *Instructions and diagram* 3pp £0.35 04/01 John Bryant
- T17 **Is Your Coax an Aerial?** *A choke design to increase the directivity of beverages* 5pp £0.60 04/01 John Bryant with Bill Bowers
- T18 **Antenna Impedance Transformers** *Fabricating impedance transformers for receiving antennas* 5pp £0.60 09/01 John Bryant
- T19 **A Small LF Loop Antenna for 10kHz–150 kHz** *Design and construction of an active indoor loop with photos and circuit diagrams* 4pp £0.50 Klaus Betke
- T20 **A Natural Radio Receiver** *A must if you want to start listening to whistlers and other signals, design and construction with circuits, graphs and photos* 4pp £0.50 04/02 Klaus Betke
- T21 **The K9AY Terminated Loop: A Compact Directional Receiving Antenna** *Design, construction and simulation* 7pp £0.85 Gary Breed
- T22 **Measuring Ground Loss at LF** *An article based on practical experience and measurement* 4pp £0.50 Melia & O'Connor
- T23 **Is this Ewe for You?** *The original illustrated article on the EWE antenna. Design, construction and simulation.* 15pp £1.80 1995 Floyd Koontz WA2WVL
- T24 **More Ewes for you** *You've seen the basic EWE, now you can have switchable, directional EWES.* 9pp £1.05 1996 Floyd Koontz
- T25 **A Dumb Differential GPS Converter** *A simple hardware only solution, design and construction, illustrated* 3pp £0.35 Klaus Betke
- T26 **A Long Wave Converter for the Sony ICF SW1000 Portable Radio** *Design and construction with circuit diagram and photo* 1pp £0.12 Klaus Betke
- T27 **Flag Antenna-Construction and Test** 6pp £0.70 10/02 Mark Connelly WA1ION
- T28 **TMB-1 Tri-Mode Buffer Amplifier Box** 5pp £0.60 05/02 Mark Connelly
- T29 **Termination Gizmo** *A new termination control method for Flag, Pennant and similar antennas* 4pp £0.50 01/03 Mark Connelly
- T30 **FCA1 Feedline Coupler** *Using the coaxial feedline going to a specific antenna to be used as a "second antenna"* 2pp £0.25 07/02 Mark Connelly
- T31 **Three Loop Array** *with electrically rotatable nulling* 4pp £0.50 02/03 Mark Connelly
- T32 **Broadband Receiving Antenna Matching** *Obtaining best signal transfer for an antenna to the typical 50 ohm receiver input* 13pp £1.55 07/03 Mark Connelly
- T33 **Impedance Matching Transformers for Receiving Antennas at Medium and lower Shortwave frequencies** 25pp £3.00 07/03 Bill Bowers, John Bryant, Nick Hall-Patch
- T34 **MW Pre-Amp Tests** 8pp £0.95 08/03 Mark Connelly
- T35 **Using RG174 Coax Cable at Medium & Lower HF Frequencies** 5pp £0.60 07/03 John Bryant & Bill Bowers
- DX-PEDITIONS
- X01 **DXpedition File, Volume 1** *Featuring the "first" UK DXpedition, Anglesey 1986 & 1987, Sheigra 1986, 1987, 1988, 1989 & 1990* 23pp £2.75
- X03 **DXpedition Site Selection** *A step-by-step guide* 3pp £0.35 12/94 Shawn Axelrod
- X05 **Sheigra – Everything you need to know** *All about the UK's No 1 DXpedition site* 2pp £0.25 10/94 C Rooms
- X07 **Mini DXpeditions** *Doing it on a smaller scale, successfully* 4pp £0.50 05/95 Mark Connelly
- X12 **A DXpedition Toolkit** *Arranging for several receivers to share an antenna, and optimising the connection* 6pp £0.70 12/96 Steve Whitt
- QSLs
- Q02 **A Guide to Preparing a Reception Report** *What the broadcaster wants to know, from VoA* 1pp £0.12 I R Greene
- Q03 **Make Reception Reports Work for You** *Tips on getting that elusive QSL card* 2pp £0.25 Steve Whitt
- Q14 **QSLs: A Link to Listeners** *More tips on receiving that QSL* 4pp £0.50 Steve Whitt

REPRINT ORDER FORM

Please use the form below to order your chosen reprints. Just complete your name/address and membership number and list the reprints you want. Add up the cost of your order, subtract any discounts you are entitled to, and then add the relevant postage charge. Then send the form with your payment to: MWC Reprints, 59 Moat Lane, Luton LU3 1UU, England

Please note that paid up members of the Circle are entitled to a 17% discount off the list prices shown in the Catalogue. One of the perks of MWC membership ☺

Payment should be made out to "Medium Wave Circle". All non-cash payments must be in £ Sterling (e.g cheques, postal orders.) We will accept cash in most major currencies equivalent to the Sterling price after conversion. Please do not send coins. We recommend registered postage is used for cash. We will also accept International Reply Coupons (IRC) at the rate of 2.5 to £1 Sterling.

Cut here --- ✂ --- ✂ --- ✂ --- ✂ --- ✂ --- ✂ --- ✂ --- ✂ --- ✂ --- ✂ --- ✂ --- ✂ --- ✂ ---
 Reprint Order Form please PRINT
 clearly

Your name: _____

Your address: _____

Reprint number	Title	List Price
Postage Charges		Sub total £
UK add 17%		Less discounts -£
Europe add 25%		Total reprint cost £
Rest of World (Surface) add 25%		Plus postage +£
Rest of World (airmail) add 45%		TOTAL PAYMENT ENCLOSED
		Minimum order £2.00

WORLD NEWS

[Europe, Asia, Africa] 16, Whitmore Ct, Little London, Silverstone, Northants, NN12 8UP
With Jeff Weston e-mail:world-news@mwcircle.org ☎ 01327 858472

Albania

1215 Fllaka seems to make tests on this freq at 1740 with Romanian service from CRI. Good signal but with audio gaps. Heard on 20 August. (*Zacharias Liangas, Thessaloniki Greece, via HCDX, Vol. 21 #20*).

Armenia

It seems that Armenia has increased times for 4810 kHz and MW 1395 kHz, noted on 7th August 2004, at 1955 UTC in Armenian (under TWR Albania on 1395) and closedown on both frequencies at 2000 UTC. Observed:

1730-1745	Armenian	1395 4810 9960
1745-1845	Foreign Service	4810 9960
1745-1810	Armenian	1395
1810-1825	Radio "Mir" in Russian	1395
1845-1900	Armenian	1395 4810 9960
1900-2000	Armenian	1395 4810

On 1350 kHz TWR Armenia and Abkhaz Radio, Sukhum, Georgia, almost blocked at 1900 UTC by new Radio Orient in France. (*Rumen Pankov, Sofia, Bulgaria - 10 August 2004, via BDXC-UK*).

Bahrain

Sitting here in the Hotel Diplomat on the shores of the Persian Gulf in Manama Bahrain, there is no sign of Radio Bahrain on shortwave. Freqs throughout the 49 and 31 meter bands were checked over a 4 day period to no avail. Operations from Radio Bahrain are on 96.5 and 101 MHz FM in English, and on MW on 612, 801, and 954 kHz. Nothing heard on 1584 kHz. FM heard with EE pop mx primarily from England and Europe. Another good SW station gone from the airwaves!! (*Henderson, via DXplorer mailing list via Bernd Trutenau-LTU, via mwdx, 05 September 2004*).

Bulgaria

Programme 'Horizont' has left 774, having moved to 1584. Radio Varna is now on 774 (ex 981). (*Rumen Pankov, via Wolfgang Bueschel, via MWDX, 24 August 2004, via ARC MV-Eko*).

There is a well maintained website with full technical information on all Bulgarian transmitters at www.radio.dir.bg (you need to be able to read Cyrillic letters though). The website lists the Varna transmitter for 'Horizont' on 1143, while the Sovorovo transmitter (Varna region) for 'Horizont' on ex-774 is listed on 1485 (not 1584). The above reported move of the Varna transmitter on 981 (R. Varna) to 774 is not yet included on the website.

The complete LW/MW list from this website:

261 kHz	75 kW Vakarel, Horizont
576 kHz	500 kW Vidin, Hristo Botev
594 kHz	250 kW Pleven, Horizont
648 kHz	30 kW Plovdiv, Radio Plovdiv + Hristo Botev
702 kHz	10 kW Pirin, Hristo Botev
747 kHz	500 kW Petrich, Horizont + FS
747 kHz	10 kW Salmanovo, Horizont + Turkish programmes

774 kHz	75 kW Varna, R. Varna (power acc. to website, QRG/ex-981)
828 kHz	500 kW Shumen, Hristo Botev
828 kHz	50 kW Sofia, Hristo Botev
864 kHz	150 kW Blagoevgrad, Radio Blagoevgrad
864 kHz	10 kW Samuil, Horizont
873 kHz	60 kW Stara Zagora, Radio Stara Zagora + Hristo Botev
963 kHz	40 kW Pirin, Horizont
963 kHz	40 kW Sofia, Horizont
963 kHz	5 kW Malko Tarnovo, Horizont
963 kHz	75 kW Shumen, Radio Shumen + Horizont
1017 kHz	50 kW Kardzhali, Horizont + Turkish programmes
1143 kHz	40 kW Varna, Horizont
1161 kHz	500 kW Stara Zagora, Horizont
1161 kHz	10 kW Dulovo, Horizont + Turkish programmes
1161 kHz	10 kW Targovishte, Horizont + Turkish programmes
1224 kHz	500 kW Vidin, Horizont + FS
1296 kHz	150 kW Kardzhali, Hristo Botev
1296 kHz	30 kW Pleven, Hristo Botev
1485 kHz	5 kW Suvorovo, Horizont
1485 kHz	3 kW Haskovo, Hristo Botev
1584 kHz	10 kW Dobrich, Horizont

(Bernd Trutenau-LTU, via mwdx, 24 August 2004).

Cambodia

918 kHz National Radio: Announcement: "Thini Sathani Cheat Kampuchea", news in English from 0600-0615. 1300 & 1360kHz are inactive. *(Alan Davies in Phnom Penh, via ARC MV-Eko, 13 September 2004).*

Finland

Pirate Radio 603 kHz from Aland, Finland is active with higher power since 30 August. Heard with a steady S7-9 signal in Ornskoldsvik, about 250km north of the transmitter site. Today with mixed Swedish and English. *(Gert Nilsson, Ornskoldsvik, Sweden, 31 August 2004, via ARC MV-Eko).* Reported from several places since then. Steady but not very strong signal in Harnosand. The actual on-air name of the station needs to be confirmed. The station is playing a wide variety of music. *(Olle Alm, via ARC MV-Eko, 13 September 2004).*

France

A new radio station focusing on the Middle East launches on Thursday on mediumwave transmitters in France. Ciel AM, which has been operating on the Internet since 2002, will broadcast on 981 kHz in Paris and on 1161 kHz in Strasbourg and Toulouse. 83% of radios in France can receive the AM band. Ciel AM says it is the only French AM station that runs its own transmitter sites. According to Marc Scalia, co-founder of the station with Franck Sadia, Ciel AM wants to be in the Middle East what Radio France International is in Africa. The team are pro-Israeli Jews, but are pacifists who want dialogue with the Palestinians. The programmes will be 65% music and 35% news bulletins, magazine shows and debates. The station hopes to survive on commercial advertising, and its launch has been mainly financed by two businessmen: John Andrews, who is British and lives in France, and Thierry Ezeghelian who is Swiss. *(Ciel AM, posted by Andy, 14:33UTC <http://medianetwork.blogspot.com/>, via Steve Whitt).*

The Radio Superloustic transmitter in Marseille on 675 kHz has started (as of 08 August) to broadcast to the south coast of France and the Mediterranean area. Good signals in the evening, even in Malta. First reported by Peter Zerafa, over / under the co-channel Libyan. Very strong in

Milano after 1900, noted on 09 August by Giampiero Bernardini and Dario Monferini. Don't believe it is yet on full power 1000 kW, but surely ¼ power because it is as strong as Radio Orient, from Nice on 1350 kHz with 300 kW listed. Reports to: Superloustic, 52 Boulevard de la Republique, FR-93190 Livry Gargan, France or: Boite Postale 32, FR-75462 Paris Cedex 10, France. (Info from Christian Ghibaudo). Web: www.superloustic.net E-mail Denys Didelon: ddidelon@superloustic.net, Claude Wargnier: cwargnier@superloustic.net, Joel Pons jpons@superloustic.net. (*Dario Monferini, PLAYDX ITALY, 10 August 2004*).

Radio Orient on 1350 kHz has confirmed reception reports indicating that the power is only 10 kW. The station seems to be a good QSL-er. Address: 98 Boulevard Victor Hugo, 92110 Clichy, France. (*Several Sources, via ARC MV-Eko, 13 September 2004*).

RMC-Info is currently on the air on 702 kHz in French – strong here in Bologna. (*Stefano Valianti, 10 September 2004*).

1206 kHz France Info, Bordeaux found off the air at 2220 (a regular maintenance?). (*Karel Honzik, CZE, 07 September 2004*).

RMC Info from Col de la Madone on 702 kHz is back, from 1200-1400UTC. At this time, it's a programme presented by Brigitte Lahaie (a French porn star from the 70s), and it's a talk between listeners about sex and love. In Nice, a lot of bus drivers listen to this programme and sometimes, when the talk is 'hot', they are disturbed....Best 73s (*Christian Ghibaudo, Nice, 31 August 2004, via DXLD, via ARC MV-Eko*).

Georgia (Abkhazia)

1350.04, Sukhum was heard on Sept 6, 1947-2001 UT, with new (for me at least) LOCAL program at this late time. Male / female talk in Abkhazian, local pop, then into advertising (mix of Russian & Abkhazian), giving ID in Abkhaz: "Apsua Radio, reklama", then phone no. 27898 (local, w/out area code). Finally, time pips (essentially more than six!), Abkhaz NA at 2000 before signing off. That's new, I heard their local service as late as 1830-1900 before, at 19-20 it was always R. Rossii relay, just local ID and NA at closing down. (*Vladimir Titarev, Kremenchuk, UKR, via mwdx, 07 September 2004*).

Germany

From 04 October, SWR 4 will change to SWR Cont.Ra on 828 kHz from Freiburg. (*Peter Kruse, BDXC-UK, 23 September 2004*).

Deutschlandfunk operates 2 sites on 756. Recently, a considerable time difference was noted, making the signal almost unusable. Ravensburg is about 2-3 seconds later than Braunschweig. An official statement from DLF says that Ravensburg has already been modified for DRM readiness, while Braunschweig is not yet modified. (*Gunter Lorenz, Freising-D, 19 September 2004*).

Power 612 is now definitely a thing of the past, as the licence has been officially returned. The frequency will be put out to tender soon. (*Press release by the media authority ULR, via Kai Ludwig, 04 September 2004, via ARC MV-Eko*).

Schedule for 594 kHz, Hessischer Rundfunk from 30 August 2004. All news programme: hr- info 0400- 1700 UTC/ 1700- 2000 UTC foreign language broadcasts:

1700 in Italian	1855 in Spanish
1730 in Turkish	1920 in Russian
1800 in Serbocroatian	1940 in Polish

2000-0400 UTC relay. MDR- Info (Mitteldeutscher Rundfunk). HR skyline (formerly carried on 594kHz) was discontinued 29 August 2004. (*www.hr-online.de, via Paul Gager /Austria, via BDXC-UK, 30 August 2004*).

Greece?

For a long time, a station playing typical Greek music (this is how I would call it) is heard regularly on 1566 kHz (1565.989.7) It signs off at 22:00 UTC. Never ever could capture an ID. (*Gunter Lorenz, Freising-D, 19 September 2004*).

Iran

It seems that Iran has more than 100kW (EMWG) on 1188 kHz. WRTH says 300 kW. Heard with a nice, steady signal on 22 September around 1730UTC. (*Karel Honzik, CZE, 23 September 2004*).

Iraq

BBC Monitoring has observed public broadcaster, Republic of Iraq Radio, with a powerful signal on the new mediumwave frequency of 675 kHz in the Baghdad area. This was in parallel with the FM service on 98.3 MHz. Republic of Iraq Radio's mediumwave frequencies of 603, 1026 and 1071kHz have not been observed on air since late July 2004. 675kHz was formerly used by a station broadcasting from Iran into Iraq, Voice of Rebellious Iraq, although this now seems defunct, having not been observed by BBC Monitoring since May 2003. (*Dave Kernick, BBC Monitoring Research in English, 25 August 2004, via DXLD, via ARC MV-Eko*).

BBC Monitoring today observed Baghdad radio station, Voice of Iraq, with a news bulletin in English in progress at 1553 local time (1153UTC), finishing at 1555 on 1179 kHz. An announcement following the news stated that the English programme is broadcast daily at 1500-1600 local time (1100-1200 UTC). Comments and questions were invited, either by mail to their address at P.O Box 74143, Baghdad, or by phone to (+964-1-) 5210957. Voice of Iraq is on the air daily at 0700-2100 hours local time (0300-1700UTC) on 1179 kHz. Operations are supervised by the International Agency for Free Media, according to a report in the Baghdad newspaper Al-Zaman. The station has a website at www.voiraq.com. (*BBCM research 09 Aug 2004, via DXLD*).

Israel

Kol Yisrael announced the following changes during their broadcast in English on the 30 August 2004 at 1700. As of Wednesday 1st September 2004 Kol Yisrael's English service will transfer to the Reqa network. The broadcasts in English within Israel will be at 0630, 1230 and 2030 Israel Time on 954 and 1575 kHz. There will also be a number of FM outlets. The overseas service on shortwave will now be at the following times: 0330, 0930, 1730 and 1900 hours GMT. As a regular visitor to Israel, I know that the above medium wave frequencies will provide a poorer service to its English speaking listeners, particularly in the southern part of the country. (*73's, Gerwyn Roberts, Maesteg, Wales, via BDXC-UK, 30 August 2004*).

Italy

RAI announces the following frequencies for the "Notturmo Italiano": 6060, 900 (via Milano), 1107 (via Roma) and 657 (via Napoli). However, not all other MW tx are switched off at 22:00 UTC. Some remain on the air and broadcast the FM program of RAI 1 through the night Some observations: 693 Potenza remains on, 1062 remains on, 1449 remains on, 1584 signs off. EMWG does not list these details, although it was even before RAI closed RAI2 and RAI3 on MW and closed down a number of frequencies also for RAI1 - even before that, a number of sites had

operated through the night, some of them with RAI2 and RAI3 FM programme. (*Gunter Lorenz, Freising-D, 19 September 2004*).

Latvia

The long announced start of the local station in Riga on 945 kHz is going to take place on 24 September at 0900 UTC, with a test run until 26 September 2100 UTC. The start was delayed by the certification procedures for the 2.7 kW BLYTH transmitter. The name of the station was finally settled at "Radio Nord". Radio Nord will broadcast in Latvian with an oldie-orientated format and will be on the air 24h from 1 October. Owner of the station is KREBS TV, the station's contact address: c/o KREBS TV, P.O.Box 371, LV-1010 Riga, Latvia. Email: tesug@parks.lv (*Bernd Trutenau-LTU, via mwdx, 21 September 2004*).

Also in October, KREBS TV is planning to conduct test transmissions on 576 kHz from Kuldiga in western Latvia with 100kW. This frequency will be made available for leasing to external customers. (*Bernd Trutenau-LTU, via mwdx, 21 September 2004*).

Libya

Today, 12 September 2004, whilst checking the MW band, I noticed that around 0315 UTC on 1251, Voice of Africa booming in with time pips and an ID "it's 5.15 here in the Voice of Africa, this is the news". First time to hear Libya so strong on the MW since a very long time as I recall. 0325 UTC the news headlines in English, followed by the news headlines in French, followed by another ID in Arabic "sout Afrika min aljamaheriya al ouzma" V O Africa from Great Jamaheriya, then a religious program. The TX is located in Tripoli with output 500 kW but sounds like its reactivated, last time I checked Libya it wasn't active. (*Tarek Zeidan, Cairo, Egypt, 12 Sept 2004*).

Lithuania

Since 25 August, the Overcomer Ministry is carried via Sitkunai 1557 (150kW ND) daily from 1600-1800 UTC (1900-2100 LT). This is a 1-month trial transmission, reception reports are requested at rgstair@overcomerministry.org (*Bernd Trutenau-LTU, via mwdx, 25 August 2004*).

Netherlands

Ruud Poeze, boss Quality Radio, has this evening been making public some of his plans. He was speaking on a special programme on 828 kHz, following the conclusion of special transmissions marking the 30th anniversary of the closure of offshore Radio Veronica in 1974. Poeze says he wants to transmit two Dutch services, one on 828 kHz and the other on 1224kHz. Broadcasting both stations from a ship at Pampushaven near Almere, the old location of the MV Communicator, is a possible solution to the problem of finding transmitter sites. On 1584kHz, the low power transmitter at Utrecht could be used for special, short-term services such as the Veronica commemoration just ended. Ruud Poeze also said that discussions are still going on with UK-based Radio London, which was originally going to use 1008kHz. However, the high cost and a disappointing signal in the UK rendered this plan unfeasible, and the frequency was sold to Talpa Radio Nederland for use by Radio 10 Gold. It has now been decided that Radio London will use 1395 kHz, but a new transmitter site will have to be found as the current one at Trintelhaven can only use restricted power. No time scale was given for any of the above projects to materialise. It remains to be seen whether they will get on the air. Officially, holders of inactive licences are supposed to hand them back to the government tomorrow, 1st September, but since there isn't exactly a queue of people waiting to use the MW frequencies that were licensed to Quality Radio, it looks as if Poeze may be given longer. (*Media Network weblog, via BDXC-UK, 31 August 2004*).

Poland

Since 1 July, the 200kW transmitter in Raszyn on 198 is transmitting Polskie Radio 1 as filler

instead of PR Radio BIS. As before, this frequency carries primarily the Polskie Radio parliamentary channel "Radio Parlament", as well as a number of special transmissions like church masses on Sundays. The transmission times are limited to 0600-1600 UTC during summer months (DST), 0700-1700 UTC during winter months. (*Bernd Trutenau-LTU, via mwdx, 14 Sept 2004*).

Romania

The following MW transmitters have been licensed to private stations during the last few months (all 1kW): **Aurora FM**, Bucuresti: 1584 (Bacau, Galati), 1602 (Focsani, Iasi). **Favorit FM**, Oradea: 1485 (Botosani), 1584 (Iasi), 1602 (Bistrita). **Micul Samaritean**, Sibiu: 1584 (Craiova, Fagaras, Radauti, Sannicolau Mare, Tulcea), 1602 (Piatra Neamt) **Radio Maria**, Oradea: 1485 (Oradea). (*Bernd Trutenau-LTU, via mwdx, 22 September 2004*).

Slovakia

From 06 September, Slovakia takes another step in its plan of changes. The Presov transmitter on 1071 kHz is no more. (*Karel Honzik, MWDX, via DXLD, via ARC MV-Eko, 13 September 2004*).

Spain

OCR Onda Cero Radio, Madrid on 954 kHz has a new address: Avda. Isla Graciosa 13, 28700 San Sebastian de los Reyes. (*Source lost, via ARC MV-Eko, 13 September 2004*).

Taiwan

Taiwan's BCC licence renewed - but conditions attached. A commission of Taiwan's Government Information Office (GIO) decided yesterday to extend the operating licence of the opposition-owned Broadcasting Corporation of China (BCC), but on condition that the BCC return 14 of its 69 frequency channels to the government by year-end, and prepare to relinquish 17 other frequencies once used for broadcasts to the People's Republic of China within the coming two years. The commission had recommended that the GIO issue two-year licences to BCC's popular music, news, rural and Hakka-language networks and extend operating licenses to December 31, 2004 for 14 frequencies that the BCC had promised to return to the government in 1992. The commission also recommended the extension for two years "in principle" of licences for 17 other channels that were formerly allocated for blocking transmissions from the Chinese mainland pending reallocation to other radio broadcasters by the GIO. The GIO has officially ended a 55-year-old policy that allocated high-powered transmitters to stations such as the BCC and the Taipei Broadcasting System to prevent broadcasts from the People's Republic of China from being heard by Taiwan listeners. GIO Director-General Lin Chia-lung stated that besides fulfilling the 1992 commitment to return the use of 14 frequencies, the BCC will have to comply with the government's three-stage broadcasting reorganization plan by relinquishing the frequencies previously allocated for blocking Chinese broadcasts when necessary. Lin said the process of recovering government frequencies, restructuring public-owned radio networks and reorganizing the distribution of frequencies should be completed by end-2005. After the process, Lin said, the BCC will hold 38 frequencies compared to 69 at present, including 27 AM channels (or 17.4 percent of Taiwan's total) and 11 FM channels (or 5.1 percent), compared to 25 percent of AM and 14 percent of FM stations at present. (<http://medianetwork.blogspot.com> (9 September 2004), via *Bernd Trutenau-LTU, via mwdx*).

Timor Leste (East Timor)

Today's edition of the Timor Post says that the Catholic radio station Radio Timor Kmanek (RTK) will soon close down due to lack of funds (Radio Timor Kmanek operates on 1404 kHz b.p). Radio Timor-Leste (formerly known as Radio UNTAET) broadcasts in four languages on 684 kHz + several FM frequencies 0545-2100 local time (2045-1200UTC) as per website <http://rttl.org/> (*Bruce Portzer, DXWW, via IRCA Soft DX Monitor, 14 August 2004*).

Ukraine

1584, Verkhovyna (IF region) reactivated. Heard today with UR1 at 0327-0500+. Later (+0514-0530) heard what I think Ivano-Frankivsk regional broadcasting. Since 0530 UR1 (Kyyiv) again. Poor/fair at around 0400 UT. Just barely audible since 0430-0500. Lousy at 0530. Co-channel BUL. (*Vladimir Titarev, Kremenchuk, UKR, via mwdx, 07 September 2004*).

Vietnam

572 / 970 kHz, Binh Duong (Thu Dau Mot): 572 and 970 kHz apparently INACTIVE.
610 kHz, Ho Chi Minh City: Voice of the People of HCMC 2130-1600 (News in Khmer: 0200)
720 kHz, Dong Nai listed on FM 92.5 MHz only (I can't hear it anymore; I think it's now inactive).
756 kHz, Long An (Tan An): 2200-0030 (Sat – 0115), 0430-?, 1000-1100 / 1210.
819 kHz, Dong Thap appears to be inactive. It's on 96.5 and 98.4 mHz instead.
830 kHz, Tien Giang (My Tho): 2200-?, 0430-0545, 1030-1255 / 1300.
837 kHz, Can Tho: 2200-2400, 0400-0600, 0900-1200.
873 kHz, VOV4 on 747v (Ho Chi Minh City) and 873 (Thoi Long) is running a split schedule in Khmer and some Vietnamese. Approximate hours are 2200-2400, 0200-0600 and 0800-1300. The frequencies are off air at other times.
899 kHz, Vinh Phuc: 89.7 mHz (MW not mentioned and probably inactive).
909 kHz, Ca Mau 10kW: 0400-0545, 1000-?, etc.
930 kHz, Ben Tre 2 kW: 2155-?, 0430-0530 and 1200-1315.
954 kHz, Vinh Long: 2200-2350 (Sat -0215, Sun -0645), 0400-0645, 0900-1145.
981 kHz, I continue to hear VOV-1 on 981 kHz, -1700. Probable location is somewhere in northern Vietnam.
981 kHz, Gia Lai (Pleiku): (NB: is this the location of the VOV-1 on 981 kHz? I haven't heard any local programmes on 981. In January 2001 there was no MW active in Pleiku); address: 2 Hung Vuong Rd, Pleiku.
1050 kHz, Tra Vinh: ?-0015, 0430-0530, 1000-?
1089 kHz, Kien Giang (Rach Gia) 10kW: 2200-? (Sun -0230), 0400-0555, 0900-1155 / 1200 in Vietnamese and Khmer.
1125 kHz, the local station here is Tay Ninh ex-580kHz. 2200-2400 (Sun -0230), 0400 / 0430-0515, 1000-1200.
v1116 kHz, add Bac Lieu 1kW: 2200-2400, 0955-1200. This is probably the UNID listed in WRTH on 1115v with a very tentative location of Bac Can.
1170 kHz, An Giang (Long Xuyen) 10kW: 2200-0015v (Sun -0145), 0330-0545, 0900-1200.
1195 kHz, Hai Duong: listed on 104.5 MHz only, MW not mentioned and very likely inactive.
1278 kHz, Soc Trang: 2200-2400 (Sun -0205), 0400-0600, 0900-?
Three new provinces have been created recently. Can Tho province was divided into Can Tho Municipality and Hau Giang Province, so the WRTH note about the Thoi Long MW site should read that it's in O Mon District, Can Tho Municipality. (*All via Alan Davies travelling in Vietnam, via ARC MV-Eko, 13 September 2004*).

Clandestine (to Iran)

Voice of Komala (hostile to the Voice of Iranian Communist Party, as above): *1555-1735* on 1612 and 3927 kHz in Persian and Kurdish. Jammed by Iran. (*Rumen Pankov, Sofia, Bulgaria 1-10 August 2004, via BDXC-UK*).

THE HOME FRONT

[British & Irish News]
with John Williams

✉ 100 Gravel Lane, Hemel Hempstead, Herts HP1 1SB, UK
e-mail: homefront@mwcircle.org ☎ 01442 408567

Ofcom News

Easy 1035 to change to Asian station?

13 September, 2004

Sunrise Radio Ltd, owners of Easy 1035 AM, which broadcasts country-flavoured music output to Greater London, wishes to change the character of the service to provide KATR (Kismat Asian Talk Radio). They propose a station which broadcasts a minimum of 55% speech during daytime, and a third outside daytime. The music they plan to play would emphasise Ghazals and Qawaalis and Asian gold and hits.



<http://www.ofcom.org.uk/consultations/current/katr/?a=87101> (via *BDXC-UK*)

No rush for radio switch-off, says Ofcom

16 September, 2004

Ofcom warned yesterday that it will not rush into setting a switch-off date for the analogue radio signal, a day after issuing a timetable for converting the nation's TV sets to digital by 2012. However, the media regulator suggested that the BBC's extensive archive should be made available to commercial broadcasters in an effort to increase audiences for digital stations.

Stephen Carter, chief executive of the media regulator, said a switch-off date that was too early could make the transition to digital "less achievable" for radio companies. "In using the force majeure of a date to focus people's minds it can backfire on you," he said. His comments, at an industry seminar in Westminster, qualified the optimism expressed earlier this year by Ofcom partner Kip Meeks, who said analogue radio switch-off might follow soon after the TV network goes digital.

Converting small local stations to digital networks, the relatively expensive price of digital radio sets and the need for attractive content are all barriers to analogue radio switch-off, he added. The final timetable for switch-off will be set by the government, but its plans will be influenced by an Ofcom report into digital radio due to be published in November. (www.mediaguardian.co.uk)

BBC News

BBC may be forced to share archives

16 September, 2004.

The BBC could be forced to share with the commercial world its radio archive, which includes treasures such as early Rolling Stones concerts and unreleased songs performed by David Bowie and Genesis in the early stages of their careers. And if proposals by media regulator Ofcom make it into the statute books, the likes of Virgin, Capital or TalkSport could pick up recordings of classic comedies such as *The Goon Show* or children's programmes such as *Listen with Mother*.

More than 750,000 programmes languishing in the BBC sound archive could be made available to commercial radio broadcasters in a bid to drive the take-up of digital radio, the media regulator suggested today. Ofcom, chief executive Stephen Carter said the proposals would help the take-up of digital radio in the UK by ensuring a "critical mass" of content and services.

Although the idea is still at a tentative stage, it is expected to be discussed further in the run-up to the BBC's charter renewal in 2006 and could form a key plank in Ofcom's own review of the UK digital radio marketplace scheduled to be published in November. Under the proposals, local and commercial radio stations could be able to buy programmes from the BBC's 80-year-old archive and incorporate them into their schedules. (www.mediaguardian.co.uk)

Commercial Radio News

TalkSport's MacKenzie attacks 'fatally flawed' Rajar methods

9 September, 2004

TalkSport owner Kelvin MacKenzie has waded into the latest row over Rajar's radio audience measurement system, claiming it is "fatally flawed" and relies on the out of date method of getting listeners to fill in diaries. Mr MacKenzie, chief executive of TalkSport, said his service and Virgin Radio - which has also today criticised the "artificial volatility" of Rajar's figures - were not "low-reach stations", as the audience research body claims.

"Rajar is wrong. Virgin is not a low-reach station; it has an audience of 3,666,000, according to [Gfk] technology. TalkSport is not a low-reach station, it has an audience of 5,828,000, according to [Gfk] technology," he said. "We are only low-reach commercial stations when measured by diaries relying on people's memories. The system is fatally flawed, and advocates only make fools of themselves when they try to maintain its veracity," Mr MacKenzie added.

(www.mediaguardian.co.uk)

Virgin Radio blames Rajar for sales slump

9 September, 2004

Virgin Radio owner SMG has blamed audience research group Rajar for the station's disappointing trading performance in the first half of the year. The SMG chairman, Chris Masters, expressed concern about the "artificial volatility" of the Rajar figures for the final quarter of 2003, which showed a marked decline in Virgin Radio's listening hours, adversely affecting advertising sales in the first six months of 2004.



"We and others have identified some important weaknesses in Rajar's sample sizes and listening weights and we have been working with Rajar to remedy these," he said. "Although some progress has been made, there is no doubt that under the current measurement system Virgin Radio's results will continue to be subject to artificial volatility until these issues are rectified."

SMG, unveiling its interim results for the first half of 2004, said today Virgin Radio's audience reach and listening hours had "shown a significant correction" in subsequent quarterly Rajar figures. SMG has previously criticised Rajar's audience research methods, claiming it fails to adequately sample the 15- to 24-year-old audience. (www.mediaguardian.co.uk)

Capital-GWR merger news

21 September, 2004

The merger discussions between Capital Radio and GWR are the most important development in commercial radio since the introduction of the Communications Act this year. It may prove a pivotal moment for the industry if the talks spur rival operators into merger talks, or attract the predatory interest of American media groups and UK television broadcasters. All these scenarios are possible because of the act and its radical overhaul of radio ownership rules.



The most important change was the abolition of the ownership points system, which regulated the number of radio licences a company could control. Before this year, the big groups were up against their points limit and a merger between Capital and GWR was impossible. Competition authorities and very steep share valuations permitting, intra-sector consolidation is now a genuine possibility.

The next biggest commercial radio operators outside of Capital and GWR are Emap, with assets including the Magic network, and Chrysalis Group, owner of LBC News 1152 kHz in London and the Galaxy network. Emap controls 27.8% of Scottish Radio Holdings, owner of the Clyde 2 and Forth 2 stations in Glasgow and Edinburgh, and is expected to take full control of the company in a deal that would carry few if any competition concerns because Emap does not have any stations in Scotland. At one stage Emap's acquisition strategy was said to have involved buying SRH and then striking a deal with Chrysalis, but the group has created a new board to oversee its radio plans, and a different approach may emerge over the next year. (www.mediaguardian.co.uk)

RSL & LPAM News

It is known that these club's are broadcasting although the Ofcom web site does not list them!
 Details of the Club's home games are:

Football Club	Station	Oct fixtures	Nov fixtures (up to 10 th)
Crystal Palace	Palace Radio 1278 kHz	2 Fulham 23 West Brom	6 Arsenal
Blackburn	Radio Rovers 1404 kHz	2 Aston Villa 16 Middlesbrough 30 Liverpool	Nil
Manchester Utd	Manchester Utd Radio 1413 kHz	2 Middlesbrough 23 Arsenal	6 Manchester City
Rushden FC	Diamonds Radio 1503 kHz	2 Rochdale 16 Chester 30 Notts County	6 Darlington
Barnsley	Oakwell 1575 kHz	9 Brentford 19 Doncaster* 23 Swindon	6 Port Vale

*Evening game.

Radio Brands 1269 kHz - Brands Hatch. Broadcasting the British Formula 3 & GT Championships. On air on the 2 and 3 October. Contact: Diane Smith Telephone: 01280 820438
 Email :diane.smith@arb-teamwork.com

Community Radio Association Sees Red

2 September, 2004

The Community Media Association is angry at a decision which will allow the right of new commercial radio stations to slash the revenue of existing community radio stations.

In a statement issued by the CMA its says the 'David and Goliath' story of local radio continues -

In a week when commercial radio chiefs topped Broadcast Magazine's 'Rich List', the Community Media Association has expressed anger at further measures to protect Commercial Radio stations' profits from the newly emerging Community Radio sector.

Despite opposition from the Commercial Radio lobby, the Government passed legislation in July which licensed a new tier of not-for-profit Community Radio stations run by and for local people, staffed mostly by volunteers and often involving some of the most disadvantaged groups in society. This followed the success of 15 pilot community radio stations. However, advertising and sponsorship limitations imposed on Community Radio stations where there is a 50% audience overlap with a Commercial Radio station with an MCA (Measured Coverage Area) of 50-150,000 people mean that community stations in many areas will be severely restricted in their ability to achieve financial sustainability. In other areas, where the MCA of a Commercial Station is under 50,000, Community Radio will not be allowed at all.

Ofcom confirmed that these restrictions will also apply to areas where Commercial Radio stations are allocated licenses in the future: where there is an existing Community Radio station restrictions will be applied retrospectively, meaning that a well-established community station would suddenly find up to half its income removed at a stroke. There is nothing in the legislation to prevent commercial stations, many of which are members or relay stations of much larger chains, and, as such, not genuinely local, moving in on areas where there are successful Community Radio stations and forcing them to close.

Director of the Community Media Association, Diane Reid, said: "If ever there was a case of the rich being given a licence to steal from the poor, this it is. The Government has promised a review in two years' time. This blatant injustice must be addressed then." (www.ukradio.com)

EUROLOG

100 Gravel Lane Hemel Hempstead, Herts HP1 1SB, UK
with John Williams e-mail: eurolog@mwcircle.org ☎ 01442 408567

KHz	Station, location; details heard etc	SIO	UTC	Date	Who
567	R Multikulti Berlin; ID and talk	33433	1800	30/8	MvA
594	R. Renascenca, Muge, Port. Sport-live, TA, ID "Renascenca-Desporto"	322	2157	24/8	GLV
693	RAI1 Potenza, Ital. soccer Lecce – Brescia (?)	343	1703	18/9	GLF
711	România Actualitata, Sighet Maramuresh (EMWG list this as România Cultural !), interview, mx, ID	322	1656	18/9	GLF
720	WDR 2 Langenberg, German abt cars with catalysator at 1658)	344	1651	18/9	GLF
720	România Actualitata, various, YL interview, // 711, 855	322	1656	18/9	GLF
729	NET Athens, anns, tel interview, DRM noise QRM (Putbus site)	343	1654	18/9	GLF
819	London Pirate. Played 'Radio London' jingle and gave telephone number 079420 788515 followed by Rolling Stone record	G	1225	30/8	JW
828	R Veronica Non stop music	55555	0555	16/8	MvA
927	ERA Zakynthos Greek prog //1512	33333	2203	17/8	MvA
1170	R.Capodistria, Ital. program overview	454	0505	19/9	GLF
1179	Romania Actualitate Talk in Romanian	33333	2124	23/8	MvA
1278	Radio Caroline RSL Tilbury EE ID and music	24442	0800	12/8	MvA
1278	Radio Caroline Tilbury Pop music and ID		2240	3/9	POS
1350	Kunkhaus Pecs German prog	34433	1730	29/8	MvA
1377	UNID, piano music, France nulled out, also heard on 30/08 at 2150 again with piano mx	222	2114	27/8	GLV
1503	REF/RL continuous ID, via Radio Zavidovici/RTV Federacije Bosne I Hercegovine 1, Zavidovici, ID mentioning "Dwadezet Sedam"	333	0459	19/9	GLF
1512	ERA Chania Greek sports	24443	2202	21/8	MvA
1584	RMC Strasbourg French prog on Olympics; German prog at 1855	33333	2031	21/8	MvA
1593	Irish Pirate? Playing oldies	G	1817	3/9	JW
1593	R Tirgu Mures Talk show. Sign off with test tone	42332	1853	7/9	MvA
1593	Radio Cluj Romanion sign off with test tone	33433	1859	7/9	MvA
1593	R Romania Cultural Romanion news Radioziurnal	34333	1900	7/9	MvA

Many thanks to the following reporters:

JW John Williams Hemel Hempstead AOR7030 + 40m long wire, Sony ICF2001D Sooper Loop

POS Per-Ole Stenman Jakobstad, Finland JRC NRD535 beverage, 1000 m South West

GLF Günter Lorenz, Freising, Germany, Drake R8B, Grahn GS3 ML1

GLV Günter Lorenz, Volastra (La Spezia), Italy, Drake R8B, Grahn GS3 ML2

MvA Max van Arnheim Huissen NL, AOR 7030 plus +ALA 1530

Welcome to Gunter with his first log for my column.

The **deadline** for the next issue is **20October, 2004** .

73's *John*

DX LOGGINGS

✉ Glackin, 199 Clashmore, Lochinver, Lairg, Sutherland IV27 4JQ, Scotland
with Martin Hall e-mail: dxlogs@mwcircle.org ☎ 01571-855360

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
530		R Visión Cristiana, Turks & Caicos Is; SS rlgx px, EE ID "This is WWRV 13-30 AM New York, WVIP 13-10 AM Mount Kisco, 5-30 AM Caicos Islands and British West Indies"	F/G	0500	26/8	mah
530		R Visión Cristiana, Turks & Caicos; with OM ID in SS then YL in English ID as 1330 WWRV New York also mentions a station on 1310kHz; rare catch here	F	0600	13/9	SW
531		IRIB Sarasarye, Iranshahr, Iran, middle eastern music	Huge	2242	17/9	SW
550	CHLN	Trois-Rivières QC ; breaking through the 549 kHz slop, peaking around 0540; FF discussion, anns (+ads?) at 0543 and ID "CHLN 5-50"; gone by 0550 (last UK report pre-1965)	W/Fpk	0543	27/8	mah
555	ZIZ	Basseterre, St Kitts; calypso, ID at 0606 "International broadcasting service of the Federation of St Kitts and Nevis Radio Station ZIZ our time is now 6 minutes past ...", rlgx px	F/G	0550	29/8	mah
560	WGAN	Portland ME ; "This is Coast to Coast with George Norey - News Radio 5-60 WGAN" equal to CHVO (last reported in the UK in 1986) (also Fpk 0534 28/8, F 0605 30/8)	Fpk	0606	26/8	mah
560	CHVO	Spaniard's Bay NL; VOXM pop country and VOXM 20/20 wx -F solid	F	0507	28/8	BD
560	CHVO	Spaniard's Bay NL; EE, VOXM programme // 590 kHz	233	0500	13/9	BV
560	CHVO	Spaniard's Bay NL; // with VOXM 590	F	0538	14/9	SW
570	WMCA	New York NY; jingle and ID noted	W	0633	27/8	mah
570	CFCB	Corner Brook NL; back to back country mx, "5-70 CFCB" jingle	F	0719	15/9	mah
570		KNR Nuuk, Greenland (presumed); VV tlk	G	0501	26/8	mah
570.02		KNR Nuuk; usual DD serious talk with folk style mx later	W/F	0355	28/8	BD
570	CMDC	R Reloj, Santa Clara; usual SS nx, ticks, pips, IDs, "RR" (often)	F	0710	17/9	mah
580	CFRA	Ottawa ON; promo "... on 5-80 CFRA" (also W/F 0504 26/8)	W	0653	30/8	mah
580	HIAX	R Montecristi; lively LA mx, mixing with SS tlk (presumed WKAQ) at 0623, dominant by 0630, ID at 0634; full station ID noted at 0702 when still dominant (also F 0606 19/9)	G	0634	17/9	mah
580	WKAQ	R Reloj, San Juan PR; SS tlk, ID "... en WUKQ Radio Reloj"	F/G	0537	31/8	mah
590	VOXM	St John's NL; good country mx/song programme	W/Fpks	0340	9/9	Rha
590	VOXM	St John's NL; many IDs, VOXM spot, soft pop mx, // many	233	0445	9/9	BV
590	VOXM	St John's NL; "You're listening to the VOXM radio - VOXM first news"	F	0430	13/9	JVN
590	VOXM	St John's NL; "Newfoundland's Information Super Station All today's best Country VOXM"	G	0538	14/9	SW
590	LS4	R Continental, Buenos Aires; SS anns, TS, "Servicio Informativo Continental", over VOXM (also G 0534 31/8)	F/G	0601	15/9	mah
594		RTM Oujda; traditional Arab mx, tlk // 612	322	2159	24/8	GLV
600	CMKV	R Rebelde, Urbano Noris; "A Esta Hora" // 710, 620, 670, 1180	F/G	0638	17/9	mah
610	WIOD	Miami FL; nx, ID "1.31 here on News Radio 6-10 WIOD" (also W/F 0603 8/9, W/F 0636 21/9, F/G 0700 22/9)	F/G	0531	14/9	mah
610	HJKL	La Cariñosa, SF de Bogotá; LA mx, jingle ID, TC	W/F	0552	1/9	mah

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
620	WDAE	Saint Petersburg FL; ID "WDAE Tampa Bay", Fox Sports Radio, heard for a few minutes under CKCM; UK FIRST	Wpk	0627	14/9	mah
620	WZON	Bangor ME; sports talk, ad, ID "This is WZON countdown ..."; later Sporting News Radio jingle, equal/over CKCM for a short time (last reported in the UK in 1987)	Wpk	0603	27/8	mah
620	CKCM	Grand Falls NL; real country songs from VOCM	W/F	0555	7/9	BD
620	CKCM	Grand Falls NL; EE, soft C&W mx, VOCM px // 560 and 590	F	0500	13/9	BV
620	CKCM	Grand Falls NL; // 590	Exc	0537	14/9	SW
620		St John's, Antigua (presumed); mx, Caribbean accented announcer mentioning Bible reading, back to back light songs; CKCM dominant after 0548 (also presumed W/F 0545 29/8)	W/F	0528	9/9	mah
620	CM--	R Rebelde, 2 sites listed; SS anns, "... la revista de la madrugada de Rebelde (also W/Fpks 0639 14/9)	W/F	0605	8/9	mah
620	UNID	mix of back to back Irish folk music and older songs, e.g. 'Blue Velvet', under/over CKCM; didn't catch any IDs before it faded	Fpks	0535	14/9	mah
621		ERTV Batra, Egypt; Arabic style music; unusually good // 1008vG		2202	9/9	SW
640	CBN	St John's NL; on its own on the channel with DW px at 0713 (// G 750 W); "CBC Overnight" ID at 0730		0730	17/9	mah
640	CM--	R Progreso, 3 sites listed (presumed); LA songs, // 1590, over/equal presumed RFO Point-à-Pitre	F/G	0642	17/9	mah
640		R Guadeloupe, Point-à-Pitre; France-Inter nx	F	0602	13/9	BD
640	YVQO	Unión Radio Porteñas, Puerto La Cruz; "Unión Radio Noticias" IDs, mixing/under RFO Point-à-Pitre	W	0502	31/8	mah
640	UNID	EE, ID "This is R Netherlands, the Dutch International Service"	W	0435	14/9	BV
650	CKGA	Gander NL; VOCM pop country	W/F	0515	14/9	BD
650	HJKH	RCN Antena 2, SF de Bogotá; lively LA mx, TS, SS ID "Antena Dos Colombia", anns	Gpks	0610	31/8	mah
660	WFAN	New York NY; "The Fan Sports Radio 66 - WFAN New York"	F	0624	28/8	mah
660	WFAN	New York NY; Sports talk	W/F	0517	14/9	BD
660	YVQZ	R Anaco; LA mx, ID "Radio Anaco 6-60 con la hora dos, trece minutos"; UK FIRST	F/Gpks	0611	16/9	mah
670	WSCR	Chicago IL; Sporting News Radio, jingle ID "Chicago's sports radio 6-70 The Score WSCR Chicago" (also W/F 0506 26/8)	Fpks	0600	13/9	mah
670	CMBA	R Rebelde, Arroyo Arenas; "Desde La Habana, la emisora de la revolución ...", TS, then "A Esta Hora - la revista de la madrugada de Rebelde"	F/G	0603	10/9	mah
680	WRKO	Boston MA; C2C, ID "6-80 WRKO - The Talk Station" (also W/F 0634 8/9, W 0606 10/9)	W/F	0558	25/8	mah
680	CFTR	Toronto ON; "6-80 News Time 1.51", Toronto traffic nx (also W 0507 26/8, W 0645 27/8, W 0513 28/8, W 0608 10/9)	F/G	0551	13/9	mah
690		Caribbean Beacon, Anguilla (presumed); EE rlgx px	vW	0420	19/9	mah
690	UNID	tent Arab tx, weak	222	2223	22/8	GLV
700	WLW	Cincinnati OH; Truckin' Bozo, ads, ID "This is the Big One - 700 WLW"	F/G	0555	13/9	mah
700		RJR Hague, Jamaica (presumed); Caribbean-accented phone-tlk	W/F	0513	17/9	mah
700	LV3	R Córdoba; light songs, SS ID "Cadena Tres", xf ZYK686	F/Gpks	0450	15/9	mah
700	ZYK686	R Eldorado Estádio, São Paulo; PP tlk,s ID, xf LV3	F/Gpks	0445	15/9	mah
710	WOR	New York NY; CNN nx, WOR nx and wx	W/F	0504	23/8	BD
710	WOR	New York NY; "7-10 WOR New York", CNN Radio News	W/F	0700	30/8	mah

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
710	WOR	New York NY; "Dr Joe Brown and Danger Zone right after Bruce Talk on 7-10 WOR"	G	0427	13/9	BIH
710	CKVO	Clarenville NL; VOCM pop country	W	0455	23/8	BD
710	CKVO	Clarenville NL; EE, news, VOCM-ID, // many	F	0510	13/9	BV
710	CKVO	Clarenville NL ; // 590	F	0537	14/9	SW
710	CM--	R Rebelde, 4 sites listed; LA mx, SS anns, "Radio Rebelde" IDs, las noticias (also F 0602 9/9)	W/F	0659	16/9	mah
710	CM--	R Rebelde, 4 sites listed; Latin rhythms // 1180	F	0533	22/9	BD
710	LRL202	R Diez, Buenos Aires; SS ID, TC, anns, TS "Radio Diez - siempre noticias"	W/F	0459	15/9	mah
720	CHTN	Charlottetown PE; "Your superstation for oldies ... Good Time Oldies, 7-20 CHTN Charlottetown"	W/F	0539	18/9	mah
730	HJCU	La 7-30, SF de Bogotá; LA mx, nice full SS ID "Desde Bogotá Colombia, transmite La 7-30 en canal preferencial, HJCU La 7-30 otra potente emisora de la Cadena Melodía de Colombia"	W/F	0602	1/9	mah
730	HJCU	Cadena Melodía, SF de Bogotá; SS ID as "Radio Líder" (rather than "La 7-30" as noted above), LA mx; full ID at toth "Desde Bogotá, transmite Radio Líder, ... HJCU Radio Líder AM ... de la Cadena Melodía Colombia" (very weak by now)	F/G/v W	0644	18/9	mah
740	WQTM	Orlando FL ; Fox Sports talk, ID at 0641 "7-40 The Team, Orlando's sports leader"; dominant when tuned in at 0637, then under/over WIAC; faded into the mix by 0650 to leave the channel to WIAC and occasional appearances by CHCM; noted again very weak in the background at 0700; UK FIRST	F/Gpk	0637	21/9	mah
740	CHCM	Marystown NL; VOCM pop/country mx	W	0400	23/8	BD
740	CHCM	Marystown NL; // 590		0537	14/9	SW
740	CHWO	Toronto ON (presumed); ads, "AM 7-40" jingle, mx, fading out	F/W	0646	27/8	mah
740	WIAC	San Juan PR; LA mx, TC, full list of network stations in ID "Escucha 7-40 Radio Puerto Rico" (also F 0637 18/9)	W/F	0701	21/9	mah
740	WIAC	R Puerto Rico, San Juan PR; OM with Salsa rhythms, "Radio Puerto Rico" IDs and call letters at the TOH	F	0555	23/9	BD
760	WEFL	Tequesta FL ; sports programming coming up as RCN faded at 0645; ESPN Radio; ads at 0657, ID at 0700 "ESPN Radio 7-60 WEFL Tequesta .."; gone by 0705; UK FIRST ; only 240 watts!	W/F	0700	20/9	mah
760	WJR	Detroit MI; nx, update "from the WJR Big 7 Traffic Centre"	F/G	0601	13/9	mah
760	ZYH588	R Uirapuru, Fortaleza; PP anns, nice ID "ZYH588 7-60 kHz AM Rádio Uirapuru de Fortaleza"	F	0501	15/9	mah
760	HJAJ	RCN Barranquilla; SS tlk, "RCN Bogotá" IDs under/over another LA station with mx	Fpks	0612	20/9	mah
770	WABC	New York NY; "Talk Radio 7-70 WABC" and jingle	W	0705	25/8	mah
770	HJJX	RCN SF de Bogotá; RCN ID, SS reports	F	0621	1/9	mah
770	YVKK	R Nacional, Caracas; SS IDs, political talk, dom over presumed Colombia; anns mentioned "... la república Bolivariana de Venezuela" (last reported in UK in 1993)	F/Gpks	0621	23/9	mah
780	CFDR	Dartmouth NS; EE, C&W mx, weather-report (rain....)	F	0440	14/9	BV
780	CFDR	Dartmouth NS; still with country mx	F/G	0535	22/9	BD
780	YVMN	R Coro; LA mx, IDs "Es est Santa Ana de Coro, Estado Falcón", jingle	F/G	0625	31/8	mah
780	YVMN	Radio Coro Coro; usual "YV" format of LA mx, TCs and "Radio Coro/en Coro" IDs	F/G	0550	23/9	BD

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
790	WAXY	South Miami FL; ESPN Radio slogan & promo; rare here but today oddly strongest DX signal on the band	Gpk	0544	17/9	SW
790	WAXY	South Miami FL; ID "7-90 WAXY South Miami ESPN Radio" (also W 0559 17/9)	F	0500	19/9	mah
790	WAXY	South Miami FL; ESPN sports talk	W/F	0537	22/9	BD
790	CFNW	Port au Choix NL; // 570, "You're listening to a station of the CFCB radio service", over ESPN (also W/Fpks 0517 26/8)	W/F	0729	15/9	mah
790	LR6	R Mitre, Buenos Aires (presumed); SS anns, "Escucha el mundo de noticias"	W/F	0611	15/9	mah
790	YVKC	R Venezuela, Caracas; light LA mx/songs, SS ID "Circuito Radio Venezuela" and jingle, mixing with ESPN Radio; tnx to Jan-Erik Osterholm for picking out the ID on the clip	W/F	0548	17/9	mah
800	VOWR	St John's NL; "you are listening to radio station VOWR 800 on your radio dial"	G	0436	13/9	BIH
800	VOWR	St John's NL; soft pops	G	0512	14/9	BD
800	VOWR	St John's NL; folk, nice full ID "You're listening to VOWR in St John's - Newfoundland's (pioneer?) broadcasting station, 800 on your radio dial" (also F?G 0637 7/9)	W/F	0738	17/9	mah
800	VOWR	St Johns NL; talk about Newfoundland between music	Fpks	0537	22/9	SW
800	CKLW	Windsor ON; BN Report, wx, ID "AM 800 CKLW wants to thank you ..." - no sign of VOWR	Fpks	0605	13/9	mah
819		ERTV Batra, Egypt; unusually good // 12050kHz	G	2205	9/9	SW
820		TBN Charlestown, Nevis; US talk about a religious experience	G	0505	1/9	BD
820		TBN Charlestown, Nevis; EE, religious programme, preacher		0440	14/9	BV
820	UNID	English religious preacher	Fpks	0547	22/9	SW
830	WCRN	Worcester MA; ads, ID "Timeless classics ... on AM 8-30 WCRN", NOS (also F 0600 25/8); new format	W/F	0623	29/8	mah
830	CM--	R Reloj, Holguín; SS nx, ticks, pips, ID, "RR" in Morse code	W/F	0624	16/9	mah
840	WHAS	Louisville KY; talk show, ID "News Radio 84 WHAS."	F/G	0630	13/9	mah
850	WFTL	West Palm Beach FL; OM IDs, English accented YL "AM 8-5-0 WFTL the new station for Fort Lauderdale and Miami, the Palm Beaches - south Florida's new Live 85" etc; into the Joey Reynolds Show at 0707 (also F/W 0706 17/9)	F/Gpks	0705	21/9	mah
850	WEEI	Boston MA; "Sports Radio 8-50 WEEI"	W/F	0628	26/8	mah
850	WEEI	Boston MA; sports talk	F	0522	14/9	BD
860	CJBC	Toronto ON; coming up in strength from 0450; mx, FF anns; 0500 "Ici Radio Canada ... CJBC Toronto"	W/F	0500	27/8	mah
860	CM--	R Reloj, 2 sites listed; usual, SS ID (also W 0552 14/9)	W	0717	17/9	mah
870	WWL	New Orleans LA; promo "... on WWL 8-70 AM"	F/G	0705	22/9	mah
880	WCBS	New York NY; commercial break in rolling nx format	F/G	0525	14/9	BD
880	WCBS	New York NY; traffic and weather in New York	Fpk	0538	22/9	SW
900	YVMD	Mara Ritmo, Maracaibo; LA rhythms, TCs and IDs "Venezuela Mara Ritmo novecientos" (also G 0553 21/9)	W/F	0548	14/9	BD
900	YVMD	Mara Ritmo, Maracaibo; SS ID "Venezuela Mara Ritmo 900" (also F/G 0604 9/9)	F/G	0727	19/9	mah
910	LR5	La Red, Buenos Aires ; SS anns, tlk, promos, IDs, "La Red Informativa - noticias - dos minutos", "En la madrugada de La Red ..." etc (last reported in the UK by BD in 1994)	F/Gpks	0529	16/9	mah
920	CJCH	Halifax NS; still playing oldies; UNID US talk show behind (WMEL?)	W/F	0525	7/9	BD

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
920	CJCH	Halifax NS; oldies and C&W mx, ID "CJCH from Halifax..."	G	0425	10/9	BV
920	CJCH	Halifax NS (pres); talk	W	0510	21/9	CW
920	YVQX	R Nueve Esparta, Polamar; discos romantico	W	0515	3/9	BD
930	CJYQ	St John's NL; pop style folk mx & Radio Newfoundland IDs	F/G	0155	24/8	BD
930	CJYQ	St Johns NL; advert "Radio Newfoundland"	F	2318	10/9	SW
930	HJCS	LV de Bogotá; together with another unid SS stn. At 0330 mentions of other Todelar stations (R Continental-890, HJCV R Cordillera, etc)	F	0310	6/9	BIH
940	WINZ	Miami FL; talk px, toth ID "WINZ Miami, an alternative to right wing bashing and whining - this is AM 9-40, south Florida's progressive talk radio"	W/F	0557	18/9	mah
940	CINW	Montreal QC; ads, "You're listening to 9-40 News" (also W/F 0533 26/8, F 0626 29/8, F/G 0617 30/8, W/F 0650 10/9)	F	0619	27/8	mah
940	ZYJ453	R LBV Mundial, Rio de Janeiro (presumed); PP anns, TC	Gpk	0514	15/9	mah
950	CKNB	Campbellton NB; ID "Favourites of yesterday and today 95 CKNB"	F	0627	29/8	mah
950	CHER	Sydney NS; "Good Time Oldies 9-50 Cheer"	F	0617	15/9	mah
960	CHNS	Halifax NS; ID " ... on Good Time Oldies - Oldies 96 CHNS"	F	0553	27/8	mah
960	YV--	R Venezuela, Acarigua; Samba style songs	W/F	0520	3/9	BD
970	WZAN	Portland ME; wx, "9-70 WZAN", John & Jeff Show	W/F	0606	28/8	mah
970	HJCI	R Super, SF de Bogotá; ballads, ID "Hora Super, hora exacta. Es la hora una veinte minutos - la gran sintonía de Bogotá - es Super" (also Fpks 0550 31/8, W/F 0622 7/9, F/G 0602 18/9)	F	0620	15/9	mah
980	ZYH707	R Nacional, Brasília; PP anns, "Madrugada Nacional", light mx	Fpks	0551	16/9	mah
1000	HJAQ	RCN Cartagena; SS nx, anns, ID "Radio (Profeso?) RCN", programme promo for "Domingo Bolero"	W/F	0603	18/9	mah
1008	ERTV	ERTV El Arish, Egypt; // 1008 under Dutch station // 621	F	2202	9/9	SW
1010	WINS	New York NY; still with rolling nx	F/G	0515	7/9	BD
1010	CFRB	Toronto ON; "Newstalk 10-10 CFRB" cfrb.com	F	0432	24/8	SW
1010	CFRB	Toronto ON; promo "... on News Talk 10-10 CFRB" xd WINS	W/F	0643	10/9	mah
1020	KDKA	Pittsburgh PA; talk show, ID "News Talk 10-20 KDKA"	Fpks	0631	11/9	mah
1020	YVMX	R Continente, Maracaibo; LA mx, anns, IDs	W/F	0642	23/9	mah
1030	WBZ	Boston MA; "... on WBZ News Radio 10-30" (often)	G	0435	28/8	mah
1030	LS10	R del Plata, Buenos Aires; SS anns, ads, ID "mil treinta del Plata", dom over Brazilian station	F/G	0522	15/9	mah
1040	CJMS	Saint-Constant QC ; FF C&W good at first but fading rapidly, short FF ID at 0625 "CJMS ... 10 ... AM", gone by 0627; UK FIRST (also F 0658 10/9, W/Fpks 0657 13/9)	G/F/W	0621	27/8	mah
1050	WEPN	New York NY; "10-50 ESPN Radio"	W/F	0703	10/9	mah
1050	CHUM	Toronto ON; oldies, ID "10-50 Chum"	Fpks	0616	13/9	mah
1050	XEQOO	R Pirata, Cancún; light EE/SS songs, brief "Radio Pirata" ID	W/F	0720	17/9	mah
1070	CBA	Moncton NB; CBC O/N current affairs //1140	F/G	0520	7/9	BD
1070	CBA	Moncton, NB (presumed); books and culture	W/F	0435	10/9	GG
1070	LR1	R El Mundo, Buenos Aires; SS anns, ID "Radio El Mundo"	F/G	0532	15/9	mah
1070	YVMA	R Mundial Zulia, Maracaibo; bright LA rhythms, IDs & TCs	W	0520	7/9	BD
1080	WTIC	Hartford CT; "WTIC News Talk 10-80" (often)	F	0432	19/9	mah
1090	WBAL	Baltimore MD; promo "... on WBAL and wbal.com"	F	0433	19/9	mah
1100	WTAM	Cleveland OH; nx, ID "News Radio WTAM 11 hundred" (also F/Gpk 0533 27/8)	W	0632	13/9	mah

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1110	WBT	Charlotte NC; ads, nx, wx, ID "News Talk 11-10 WBT" (also Fpks 0434 28/8)	F/G	0607	11/9	mah
1120	WMSW	Hatillo PR; SS, lots of "Radio Puerto Rico" IDs, anns/promos, TC; UK FIRST	F	0624	15/9	mah
1130	WBBR	New York NY; business nx	W	0500	6/9	BD
1130	WBBR	New York NY; usual business news	F	0430	10/9	GG
1130	WBBR	New York NY; EE, "... here on Bloomberg ...", business news	G	0250	12/9	BV
1130	WBBR	New York NY; most mornings around 0530-0600 with detailed stock market reports and minimal IDs	vG	0530	14/9	SW
1130	ZYJ460	R Nacional, Rio de Janeiro; PP tlks, "Nacional Jornalismo" xd several other stations on the channel (also F 0458 18/9)	Gpk	0528	15/9	mah
1140	CBI	Sydney NS; CBC O/N current affairs //1070	F	0513	7/9	BD
1140	CBI	Sydney NS; EE, typical CBC-night prog with soft jazz-music	F	0440	13/9	BV
1140	HJDL	R Paisa, Medellín; with Tango mx	F	0341	6/9	BIH
1150	LT9	R Brigadier López, Santa Fé; SS phone-talk, anns, nice full ID ID "... Radio Brigadier López ..."	F	0603	16/9	mah
1180	CMBA	R Rebelde, Villa María; typical musica Cubana	F	0544	8/9	BD
1180	CMBA	R Rebelde; SS, // 5025 kHz, still on-air despite hurricane Ivan	G	0450	14/9	BV
1188		IRIB Teheran; Farsi OM tlk (nx?)	333	2331	22/8	GLV
1190	WLIB	New York NY; tlk about black community issues, ID at toth "You're listening to 11-90 AM WLIB New York"	F/G	0651	8/9	mah
1190	LR9	R América, Buenos Aires; Tango style LA rhythms	W	0528	3/9	BD
1200	WKOX	Framingham MA; ID "AM 12 hundred WKOX Framingham Boston - the following program is ??? by Alpha Omega Radio"	Wpk	0701	11/9	mah
1200	YVOZ	R Tiempo, Caracas; light mx, SS anns, ID "... por Radio Tiempo, todo tiempo" (also F/G 0545 16/9)	F/G	0644	19/9	mah
1250	HJHS	R Reloj, Cúcuta; latin rhythms with "Radio Reloj" IDs	W/F	0525	17/9	BD
1250	HJHS	R Reloj, Cúcuta; LA mx, SS ID/TC "Doce y cuarenta y siete Radio Reloj - cuarenta y siete", more LA mx	F/G	0547	18/9	mah
1250	OAX4L	R Miraflores, Lima; with an ID then the px "La voz de la liberación" from La iglesia veinte costal started.	G	0335	6/9	BIH
1251		Voice of Africa, Tripoli; EE nx / reports	444	2115	31/8	GLV
1251		LJBC Tripoli, Libya; weak // 1449 not heard for a long time on 1251; Tarek Zeidan reports recent improvement in signal in Egypt	P	2240	14/9	SW
1260	WMKI	Boston MA (presumed); "AM 12-60 Radio Disney"	G	0414	19/9	mah
1270	WTSN	Dover NH; WTSN programme promo then back to ESPN sports	W/F	0551	10/9	BD
1270	CJCB	Sydney NS; still playing country mx	W/F	0530	6/9	BD
1270.02	LS11	R Provincia de Buenos Aires, La Plata (tent); sombre sounding OM presenting SS ballads	W/F	0530	15/9	BD
1280	WFAU	Gardiner ME; "Sports Radio WFAU Gardiner and WIGY...."	W	0400	7/9	mah
1280	WFAU	Gardiner ME; ESPN sports //1270 WTSN and ID "Sports Radio WFAU Gardiner..."	W/F	0510	10/9	BD
1280	WNAM	Neenah WI; MOYL nostalgia network and WNAM community promo (BTW this is a first time from home rather than Sheigra)	F	0547	13/9	BD
1280	WCMN	Arecibo PR; "NotiUno" network IDs (also Wpks 2302 6/9)	Fpk	0533	19/9	mah
1280	WCMN	Arecibo PR; SS talk show // 1430 WNEL	W/F	0535	20/9	BD
1287		Galei Zahal, Tel Aviv; with mentions of their website	G	0233	6/9	BIH
1290	YVLF	R Puerto Cabello; soft latin rhythms, IDs/TCs (+ F 0550 21/9)	W	0455	4/9	BD

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1290	YVLF	R Puerto Cabello; SS, LA mx, ID	W	0455	14/9	BV
1290	YVLF	R Puerto Cabello; SS ID noted	W/F	0543	19/9	mah
1300	WOOD	Grand Rapids MI; talk show, ABC nx at 0630, ID "... on News Radio 13 hundred W-O-O-D", later wx and "... for News Radio Wood 13 hundred"	W/Fpks	0618	10/9	mah
1300	WERE	Cleveland OH; still talking	F/G	0523	13/9	BD
1310	YV--	Radio Nacional, 2 possible locations (presumed); SS anns, political tlk, "Noticias de la constitución Bolivariana. En Venezuela hoy ..."; seemed to be a similar topic to that heard on 770 kHz on 23/9	W/F	0557	17/9	mah
1320.02	CKEC	New Glasgow NS; playing pops at this time	F/G	0540	13/9	BD
1323		BBC Zyyi, Cyprus; BBC WS in // with 648kHz	F	2250	14/9	SW
1330	WRCA	Waltham MA; EE rlgx px, ID "This is 13-30 WRCA ...", then Creole/FF px (also vW 0000 13/9)	W/Fpk	0359	14/9	mah
1330	HIVC	R Visión Cristiana Internacional, Santo Domingo (tentative); SS anns, ID at 0602 "Radio Visión Cristiana Internacional", promos (?), and ID again at 0605 "Radio Visión Cristiana Internacional ... la república dominicana .."; at 0610 was // 530 kHz; I believe I was hearing HIVC and not WWRV in New York - propagation conditions strongly support this belief since NO New York stations were audible at this time and the band was definitely favouring this part of the Caribbean. How can I be 100% sure?	W	0602	17/9	mah
1332		IRIB Teheran; Farsi YL tx; QRM: CZE, but no trace of ROU	243	2129	27/8	GLV
1360	WKAT	North Miami FL; classical mx	W/F	0517	16/9	BD
1385.91		R Rurale, Labé, Guinea; VV OM anns, ID, tlk	353	2208	17/8	GLV
1385.91		R Rurale, Labé, Guinea; VV OM tlk, "Radio Rurale de Labé"	343	2224	5/9	GLF
1385.92		R Rurale, Labé, Guinea; end of programme; several IDs & prod'n credits; massive S9+20 signal; audible > 50% of nights	Exc	2258	22/8	SW
1386		ERT El Dakhla or Luxor, Egypt; AA, Koran // 819 ! (not listed in EMWG, WRTH 2004 has them)	232	0303	1/9	GLV
1386		ERT El Dakhla or Luxor, Egypt; AA, Koran reading // 1476	O=3	0313	11/9	GLF
1386		KBC Maralal, Kenya; EE YL nx, audible until 0320	232	0303	1/9	GLV
1390	WEGP	Presque Isle ME; local ads "for Olympic Technology 762 5241" (Local telephone number for Preque Isle business)	W/F	0358	24/8	JW
1390.02	WEGP	Presque Isle ME; Coast to Coast talk show, ID and USA Radio nx	F	0359	24/8	BD
1390	WEGP	Presque Isle ME; "This is WEGP Presque Isle", USA Radio Network News	F	0600	28/8	mah
1390.02	WEGP	Presque Isle ME; talks and adverts, telephone calls	F	0420	10/9	GG
1390	WEGP	Presque Isle ME; local ads just before legal ID then USA Radio Network News; fairly regular signal on 1390	G	0300	13/9	SW
1390.02	WEGP	Presque Isle; news talk, ID as "WEGP", QRM from another NA	W	0443	13/9	BV
1390	WPLM	Plymouth MA; mx mix of nostalgia and jazz plus WPLM ID	W	0400	6/9	BD
1390	WFBL	Syracuse NY; ID "Central New York's talk & information station WFBL Syracuse"	W/F	0358	11/9	Rha
1390	WPLM	Plymouth VA; Song Celine Dion "Unchain My Heart" OM with ID "WPLM" in the noise (not normally heard here)	W	0359	14/9	JW
1390	WRIG	Schofield WI; legal ID "Here is your 13-90 WRIG Schofield - Wausau, a service of Mid-West Communications (??)"	W	0400	13/9	SW
1390	ZYJ---	R Farol, Touros; PP IDs, light Brazilian songs, jingles	W/F	2300	19/8	mah

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1390	YVZA	R Fé y Alegría, Caracas (tentative); latin rhythms, national hymn, station then seemed to join LA mx network with multiple station IDs for El Tigre and Puerto La Cruz	W	0355	4/9	BD
1390	YVZA	R.Fé y Alegría, Caracas; SS, LA music & cantados with NA and ID "transmite Radio Fé y Alegría 13-90"		0350	7/9	Rha
1390	YVZA	R Fé y Alegría, Caracas; LA mx, ID noted (also W/F 0330 20/8, W 2300 8/9)	W/F	0717	19/9	mah
1390	YVZO	R Lumen 2000, Maracibo; with "católica de Venezuela"	G	0307	6/9	BIH
1390	YVZO	Radio Lumen, Maracaibo; choral singing, "Lumen" ID, National Hymn then classical mx	F	0357	22/9	BD
1400	CBG	Gander NL; end of "As It Happens" ID as CBC Radio	F	2258	10/9	SW
1400	CBG	Gander NL; CBC O/N feature	G	0533	13/9	BD
1400		Harbour Light of the Windward, Carriacou (pres); BBC WS nx	Fpk	2301	20/9	SW
1400	ZYH200	R Dif Acreana, Rio Branco; strong with c/d	G	0400	6/9	BIH
1400	OBX4W	Callao Super Radio, Callao; came up after Acreanas c/d with promo for the upcoming sport px "Goolazo"	F	0410	6/9	BIH
1420	CKDY	Digby NS; "Today's best country - AVR"	F	0636	20/9	mah
1420	YVNZ	R Marabina, Maracaibo; LA rhythms, "Marabina" IDs & TCs	F/G	0545	7/9	BD
1420	YVNZ	R Marabina, Maracaibo; "Radio Marabina 14-20" ID, TC, LA mx	W/F	0610	7/9	mah
1430	WENE	Endicott NY; Fox sports talk	W/F	0517	22/9	BD
1431		IRIB Sarasarye, Isfahan Iran; // 531 & 1503	P	2215	15/9	SW
1440	WJAE	Westbrook ME; "You're listening to the Big Jab"	F	0523	28/8	mah
1440	WJAE	Westbrook ME; relaying WEEI Red Sox network "Portland's Home for the Red Sox - WJAB"	G	0318	12/9	SW
1440	WJAE	Westbrook ME; Talk sport ID by OM (behind a European station) "WJAE" (said very fast!) Then sports news concluding "That's the latest sports news" into ads	W	0200	19/9	JW
1440	WHKW	Warren OH; brief appearance through WJAB; ID and promo for Penn State University golden classic football; rare here	W	0026	12/9	SW
1440	UNID	Brazilian; excited man in Portuguese	F	2309	22/8	SW
1449		LJBC Misurata, Libya; Arabic programming; regular signal recent weeks // 1251kHz	G	2240	14/9	SW
1450	WKXW	Atlantic City NJ; IDs, "ESPN 14-50" and "ESPN Radio on 14-50 WKXW", sports talk	W	0028	10/9	mah
1450	WKXW	Atlantic City NJ; ESPN sports talk	W/F	0555	16/9	BD
1467		BSKSA, unknown site, Saudi Arabia; // 1521	W	2227	15/9	SW
1467.03		IRIB Sarasarye, Qom, Iran; middle eastern music // 1503, 531	W	2215	15/9	SW
1470	WWNN	Pompano Beach FL (pres); briefly peaking with local adverts for South Florida businesses; faded down at top of hour	Fpk	0455	19/9	SW
1470	WLAM	Lewiston ME; baseball game	W/F	0155	29/8	BD
1470	WLAM	Lewiston ME; Iraq news talk	W	0330	2/9	Rha
1470	WLAM	Lewiston ME; ID "14-70 W-L-A-M", ABC-News	F	0300	10/9	BV
1470	WLAM	Lewiston ME; "Lyrics you can understand, melodies that are timeless, you've found the Memory Station 14-70 WLAM"	Good	0529	11/9	SW
1470	WLAM	Lewiston ME; replaced CPN at sunrise "WLAM 14-70"	F	0425	12/9	BIH
1470	OAU4B	CPN Radio, Lima; OM with SS talk/info & reference to "CPN"	W/F	0255	24/8	BD
1470	OAU4B	CPN Radio, Lima; strong with weak SS under, which turned out to be Vibración after checking the recording	G	0338	12/9	BIH
1470	CX147	Radio Cristal del Uruguay, Las Piedras; YL with talk show	F	0519	16/9	BD

kHz	Call sign	Station, location; details heard etc	SIO	UTC	Date	Who
1470	CX147	R Cristal, Las Piedras, Uruguay; ID	F	0530	16/9	SW
1470	YVSY	Radio Vibración Carúpano; " Vibración " IDs, time checks and bright latin rhythms	W/F	0255	5/9	BD
1476		ERT, El Minya or Sohag, Egypt; AA, Koran, // 819 ! (EMWG lists only Souhag, WRTH 2004 has them both)	243	0306	1/9	GLV
1476		ERT, El Minya or Sohag, Egypt; AA, Koran reading, // 1386	O=3	0320	11/9	GLF
1480	WSAR	Fall River MA; live baseball, Boston Red Sox	F/G	0440	12/9	GG
1480	WSAR	Fall River MA; "AM 14-80 WSAR"	W	0622	22/9	mah
1480	WMDD	Fajardo PR; tropical mx, SS ID "Tropical 14-80 ..."	F	0610	8/9	mah
1480	UNID	EE, Sports Radio, mentioned The Giants, no ID heard	W	0445	11/9	BV
1499.96	OXB4I	R Santa Rosa, Lima; easy recognised on their low freq	G	0247	6/9	BIH
1500	WTOP	Washington DC; continuous news reports by OM and YL ID "WTOP"	W	0359	21/8	JW
1500	WTOP	Washington DC; talk, Caribbean mx	F/G	0445	10/9	GG
1500	WTOP	Washington DC; rolling nx	F	0532	10/9	BD
1500	WTOP	Washington DC; EE, news talk, ID, QRM from R Dos Mil	F	0455	11/9	BV
1500	WTOP	Washington DC; adverts; "WTOP newstime 1.38"	F	0538	13/9	SW
1503		IRIB Sarasarye, Bushehr, Iran; // 531	Fpks	2242	17/9	SW
1510	WWZN	Boston MA; legal ID "Boston's Sports station 15-10 The Zone - WWZN Boston"	F/G	0500	28/8	mah
1510	WWZN	Boston MA; baseball, heard also at 0405 with adv.	243	0308	1/9	GLV
1510	WWZN	Boston MA; sports news then ID "Boston's Sports Station"	W/F	0458	8/9	JW
1510.02	WWZN	Boston MA; WWZN call letters ID and back to sports	G	0300	9/9	BD
1510	WWZN	Boston MA; Ringside Boxing Radio Show "15-10 The Zone"	F	2307	10/9	SW
1510.02	WWZN	Boston MA; EE, sports radio "The Zone", always off-frequency	S	0440	11/9	BV
1510	WWZN	Boston MA; EE, Boston sports station-sporting news radio	F	0410	15/9	JVN
1510	WWZN	Boston MA; country sport announcements	S	0357	21/9	Rha
1510	WWZN	Boston MA (pres); Clearasil ad, sports talk	W	0558	22/9	CW
1510	WLAC	Nashville TN; tlk, mostly under WWZN, ID "WLAC" noted at 0452, followed by ads; ID again just before the toth and at 0506	Fpks	0447	28/8	mah
1510	WLAC	Nashville TN; country talk/phone-in & daily news on news radio 15-10, ID "newsradio 15-10 from WLAC"	W/Fpks	0400	18/9	Rha
1520	WWKB	Buffalo NY; CBS nx followed by a talk show	W	0502	9/9	BD
1520	WWKB	Buffalo NY; music px from the fifties	G	0450	10/9	GG
1520	WWKB	Buffalo NY; strong with ads	G	0105	13/9	BIH
1520	HJLI	Ecos del Palmar, SF de Bogotá; w slogans "en radio alegre de Bogotá" and "Estación Latina"	G	0344	6/9	BIH
1520	HJLI	Ecos del Palmar, SF de Bogotá (tentative); bright Cuban style rhythms	F	0530	9/9	BD
1520.07	HJLQ	R Minuto, Barranquilla; SS talk format	W/F	0540	9/9	BD
1540.02	WDCD	Albany NY; Christian px, preacher, 1539 blocked from 0259	W	0255	12/9	BV
1540	CHIN	Toronto ON; Italian talk/information px	F	0533	10/9	BD
1540	ZNS1	R Bahamas, Nassau; local listener phone in show	F	0520	8/9	BD
1540	ZNS1	Nassau; "This is ZNS Network Bahamas" (also F/G 0736 20/9)	F/G	0606	22/9	mah
1548		R Sawa, Kuwait; AA pop music, ID	F	2212	15/9	SW
1550	CBE	Windsor ON; CBC Hourly News, xf an LA station	vvW	0604	19/9	mah
1560	WQEW	New York NY; Radio Disney pops	W	0521	8/9	BD
1560	WQEQ	New York NY; EE, pop mx, Radio Disney, ann.	W	0450	11/9	BV
1560	WQEW	New York NY; with R Disney Top 30 Countdown	G	0210	13/9	BIH

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1566		AIR Nagpur, India; English news with Indian accented man	F	2230	9/9	SW
1570	ZYK651	R ABC, Santo André; PP promos, tlks; IDs at 0459 and 0529	W/F	0529	23/8	mah
1590	WARV	Warwick RI; YL with religious talk show	W/F	0535	16/9	BD
1590	CMBQ	R Progreso, Manzanillo; SS political speeches	G	0520	20/9	BD
1590	CMBQ	R Progreso, Manzanillo; SS anns, ID "Radio Progreso, Cadena Nacional la onda de la alegría desde La Habana Cuba", TC	F	0730	20/9	mah
1590	CX159	R Real, Colonia; SS anns "En Colonia, Uruguay"	W	0649	16/9	mah
1590	OAZ4Z	R Agricultura, Lima; weak with ID	W	0250	6/9	BIH
1590	UNID	Brazilian; man talking in Portuguese	W	2308	22/8	SW
1593		VOA, Kuwait; English programming audible most nights; tougher at weekends when Irish pirate appears	G	2259	6/9	SW
1610		Caribbean Beacon, Anguilla; US religious studio talk	W/F	0515	15/9	BD
1620	WDHP	Frederiksted, USVI; BBC W/S NX then typical Caribbean songs	G	0300	31/8	BD
1620	WDHP	Frederiksted, USVI; Caribbean mx, information about the tropical storm.	G	0430	15/9	JVN
1620	WDHP	Frederiksted, USVI; OM "Right here on the Caribbean Powerhouse 16-20AM". YL with full ID "You are listening to WDHP 16-20AM simulcasting RFJ 103.5FM in the United States Virgin Isles" No news. Into instrumental music	Exc	0358	18/9	JW
1620	WDHP	Frederiksted, USVI; with Caribbean songs/music	W/Fpks	0350	21/9	Rha
1620	WDHP	Frederiksted, USVI; ads, PSAs, WRRRA ID, elevator mx	Fpks	0654	23/9	mah
1620	WTAW	College Station TX; OM with talk programme then ID "WTAW College Station"	W	0459	4/9	JW
1630	WRDW	Augusta GA; spot break, ID and back to talk show	F	0520	21/9	BD
1640	WTNI	Biloxi MS; still talking	W	0535	21/9	BD
1640	WKSH	Sussex WI; Radio Disney pops	W	0520	10/9	BD
1640	WKSH	Sussex WI (presumed); "AM 16-40 Radio Disney"	W	0428	19/9	mah
1640	UNID	SS talking, no ID	W	0355	21/9	Rha
1650	WHKT	Portsmouth VA; EE, R Disney-ID, mx "Who led the dogs out"	W	0320	29/8	BV
1650	WHKT	Portsmouth VA; "Radio Disney", pop mx, EE adv spots, IDs	243	0412	1/9	GLV
1650	WHKT	Portsmouth VA; Radio Disney pops	W/F	0526	8/9	BD
1650	WHKT	Portsmouth VA; pops then YL "For your music dial 1-888-998 018" then sung 'Radio Disney'	F	0459	11/9	JW
1650	WHKT	Portsmouth VA; still Radio Disney pop	W	0338	21/9	Rha
1650	WKHT	Portsmouth VA (presumed); R Disney, pop (also W 0510 21/9)	F	0540	22/9	CW
1650	WHKT	Portsmouth VA; Disney // 1560 and 2 IDs	Fpks	0557	22/9	SW
1660	WCNZ	Marco Island FL; OM with ID "16-60 WCNZ Marco Island, Fort Myers, at newsradio1660dot com" ABC news with Hurricane details. Over/under WFNA	F	0459	6/9	JW
1660	WWRU	Jersey City NJ; Korean tlk, adv, mx, anns; also around 0424	242	0401	1/9	GLV
1660	WWRU	Jersey City NJ; OM with ID "WWRU Jersey City, New York 16-60 WWRU"	G	0500	15/9	JW
1660	WWRU	Jersey City NJ; SS, Korean music style programme	W/F	0330	21/9	Rha
1660	WWRU	Jersey City NJ (pres); talk/music	W	0525	22/9	CW
1660	WFNA	Charlotte NC; OM with Sports news and sung jingle "Sporting News Radio" Over/under WCNZ	F	0459	6/9	JW
1660	WGIT	Canóvanas PR; SS, Caribbean romantica mx	W/F	0358	2/9	Rha
1670	WMWR	Dry Branch GA (presumed); talk on God	Vw	0502	15/9	JW

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1670	WMWR	Dry Branch GA; commercial break in talk show & ID "Talk Radio 16-70 WMWR"	F	0517	15/9	BD
1670	WMWR	Dry Branch GA ; ID "WMWR Talk Radio 16-70"	F	0530	22/9	CW
1680	WTTM	Princeton NJ; Indian film mx	W	0527	8/9	BD
1680	WTTM	Princeton NJ; Indian music OM with ID "WTTM Princeton New Jersey" followed by EE ads from YL	W	0458	10/9	JW
1680	WTTM	Princeton NJ; Indian music (also W 0510 21/9)	W	0530	22/9	CW
1690	WWAA	Avondale Estates GA; new call ; now with Air America talk network	W/F	0530	21/9	BD
1690	WPTX	Lexington MD; CNN rolling nx	F	0518	10/9	BD
1700	WJCC	Miami Springs FL; SS talk and music	W	0359	28/8	JW
1700	WNKR	Brownsville TX; talk programme on computers and "Coast to Coast dot com"	G	0430	28/8	JW
1700	UNID	EE, sports px, "This is coast to coast AM"	G	0408	13/9	JVN

Many thanks to the following reporters:

- BD Barry Davies, Carlisle, Cumbria. AOR AR 7030 , 100m longwire.
- BIH Bernt-Ivan Holmberg, Möklinta, Sweden. NRD-545, R75mod., 3 backlob-lw's each about 250m covering LA-CA-NA .
- BV Bjarke Vestesen; Odense, Denmark. Ten-Tec RX-340 and JRC NRD-525; EWE towards W and E, backloop towards W and SW.
- CW Cyril Willis, Kings Lynn, Norfolk. Lowe HF 125, Wellbrook ALA1530.
- GG Giampaolo Galassi, Savignano S/R, Italy. AOR 7030, Icom R75, K9AY, N/S Maynard's ALN1 phased with a E/W EWE.
- GLF Günter Lorenz, Freising, Germany. Drake R8B, Grahn GS3 ML1. Frequencies measured with Spectrum Lab Software, using a RFT EKD 500
- GLV Günter Lorenz, Volastra (La Spezia), Italy. Drake R8B, Grahn GS3 ML2; Frequencies measured with Spectrum Lab Software
- JVN John Vinther Nielsen, Herning, Denmark. NRD 535, Palstar MW550p tuner / preselector / amplifier, ALA 1530, KAZ 4x16m W, KAZ 8x32m NW
- JW John Williams Hemel Hempstead. AOR 7030 and 40m long wire.
- mah Martin Hall, Clashmore, Sutherland. NRD-545, beverages: 513m at 240°, terminated; 506m at 290°, terminated.
- Rha Ronald Hagensen, Ottersberg, Germany. AOR 7030plus , 28m longwire antenna direction 280°, 22m longwire direction 315°, and the beverage antenna 143m direction 345°.
- SW Steve Whitt, High Catton near York. AOR7030+ and HF225 Europa with dual loop K9AY.

Bernt-Ivan writes: "Please find enclosed my first contribution to DX-loggings. I've been a DXer since 1980, mostly interested in MW-DX. I have three QTH's which I use to DX: at home with 2x SuperKAZ, one K9AY, one Carolina Beam Antenna and 4 x EWE, a DX-cottage located at my sisters farm with potential for long beverages during wintertime and car-DX in the deep woods of Möklinta (5km away from the nearest electricity, where the noise floor is extremely low). Möklinta is located about 150 km northwest of Stockholm, in the middle of Sweden". Welcome, and thanks for your logs - mah.

John H Bryant sent a couple of messages to the e-list commenting on propagation conditions - in the first, dated 18 Sep he writes: "I am located on Orcas Island, Washington, USA, on the USA/Canada border at the top of Puget Sound, about 120 km North of Seattle and 20 km due South of Vancouver, BC, Canada. I experienced an extraordinarily good DX morning from 1325-1400 UTC on Sept 18. I had a very narrow (in azimuth) opening to Japan, but not Korea or China at maximum dawn enhancement. The conditions seemed particularly good on the low band, below 1000 kHz. I was only DXing on a 30 meter x 7 meter KAZ (squashed Delta) antenna. I should

note that my azimuth to Japan is 320 degrees, (Northwest) and the Great Circle route from here to Japan essentially follows the Alaskan and Siberian coasts approaching Japan from the northeast. I should note, also, that Walt Salmaniw DXing in Victoria, BC, 25 km away to my southwest, found conditions to be below par at his urban location with smaller antennas". On 19 Sep: "I did get my 300m Beverage up, temporarily, beside a nearby road this local dawn. My results were depressing. However, Walt Salmaniw, DXing from Victoria, BC, 20km away had an EXCELLENT morning to east Asia. I think that his results were more indicative of the propagation ... still excellent to our northwest. Then on 20 Sep: " I won't bore you with a list of carriers or audio, but you might be interested to know that our Trans-Pacific propagation is still excellent to our northwest ... about 320 or 330 degrees".

On a similar theme, on 22 Sep, **Giampaulo** wrote: "1470 XEAI 0431-0450 with an *astonishing* signal (even for a 50 KW output) today", whilst **Steve** noted: " At the same time here in England WLAM was dominant and there was no sign of Mexico at all". **Karel Honzik** in the Czech Republic, and **Jan-Erik Osterholm** in Finland made similar observations - no trace of XEAI. This just acts as a reminder to us that propagation can be equally focussed at the receiving end as it can sometimes be at the transmitting end of a path - mah.

Here in Clashmore the month will be remembered for some good morning openings to Florida, resulting in several rare and new catches. BTW, clips for all my UK FIRSTs in the log have been checked by SW, and I'll be happy to e-mail clips to anyone who's interested. Eventually some of them will appear on my website. All my recordings are now being made using Total Recorder on my PC, with the cassette deck on standby for those few occasions when the PC is blocking a channel on the rx - mah.

South Africa Mini DXpedition Loggings - from Vince Stevens

The following logs heard at the coastal location of Millers Point on the Cape Peninsula, South of Cape Town on 25 August. Listened from about 15h30 – 17h00 UTC (5:30 to 7 PM local time). Dxing from the Mobile DX nerve centre (ie the back of my Land Rover!) with 120m longwire stretched across a vacant parking lot and thru some trees and bush. About 100m from the waters edge. Attended by myself and non-member Gary Deacon. Rx: Drake R8A running off 12V.

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
720	6WF	Perth WA; Olympics commentary // 828	G	1545	25/8	VS
828	6GN	Geraldton WA; Olympics comm. – Hockey. (2kW)	P	1545	25/8	VS
882	6PR	Perth WA; Phone in (Nite Line) and time check & ID.	F	1540	25/8	VS
918	6NA	Narrogin WA (Presumed); phone in prgm.	W	1626	25/8	VS
1044		AIR India, Mumbai. In EE w news.	F	1641	25/8	VS
1062	UNID	Aussie (5MV?) w Olypic comm.: "remarkable performance byP Australia .."	P	1613	25/8	VS
1323		BBC WS Relay possibly from Cyprus (?).	W/F	1630	25/8	VS
1359		Taiwan, Family Radio; ID (txer? Often heard in // 1503)	G	1602	25/8	VS
1449	6TAB	Racing Radio, Mandurah. Usual horse racing results (2Kw)	F/QRM	1610	25/8	VS

Many other unidentifieds heard from Australia including 963, 990, 1026, and 1116, plus others not logged. Quite a nice opening to Aussie, not the best, but better than on many other nights. I've been to this area about 3 times in the past 2 months and conditions have varied with some evenings favouring Far East and others Australia.

The **deadline** for the October DX Loggings is **Tuesday, 19th October**, and I look forward to receiving your logs by then, preferably using the pro-forma on the members-only website. If you don't use the pro-forma but send in your logs via e-mail, please keep the format as close as possible to that used above, since it saves me from having to re-type your contributions. 73's Martin