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### STOP PRESS:

Welcome to new members this month.

Rolf Larsson, Sweden; Francesco Mattu in Italy; Etienne Vanzeebroeck in Belgium; Albert Kosnopfel in Germany and Yrjö Pokkinen.

### WELCOME TO THE CIRCLE

### John Bryant RIP

Earlier this month we were all shocked to hear of the sudden death of our radio friend John Bryant in the USA. John was a member of the MWC, and those who were not in contact with him will remember him for the high quality of his articles published in Medium Wave News and other DX publications. He will be missed. – see obituary on page 6

Stop Press Deadlines:	30 <sup>th</sup> March April 2010	30 <sup>th</sup> April for May 2	2010
Cover illustration: .Rep	lica antique microphone		
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### EDITORIAL

with Steve Whitt

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Welcome again to the final issue of MWN in the 55th Volume. Last month I accidentally put the wrong date on the masthead of MWN and couple of eagle-eyed members spotted this! Unfortunately we also had a postal problem that meant that membership renewal forms didn't appear in the last issue of MWN. This time if your membership is due for renewal and you receive printed copies of MWN you should find a renewal enclosed. To ensure continuity and to avoid missing the next issue of MWN, please renew your membership as quickly as possible. You will only need to return the renewal form if you are paying by tradition means such as by cheque.

### Membership Renewal Time

At the end of March about 100 members of the Circle will find that their subscriptions are up for renewal. If you find a renewal form in MWN then your subscription is due to expire.

### Benefits of Circle Membership

### 10 issues of printed MWN e-MWN instantly available on-line

### MWN e-list service (Yahoo Group)

Big discounts on WRTH

When you renew, please consider the benefits of taking out a 2 or 3 year membership. These simplify our administration, and they make print runs much more predictable so they help hold down subscription rates. You'll also benefit by avoiding any forthcoming increase in membership rate. If your membership has not yet run out, you can extend it at current rates before the end of February.

	1 year to March 2011	2 years to March 2012	3 years to March 2013
UK	£13	£24	£35
Europe (inc Irish Republic)	€ 32	€ 59	€ 86
Rest of World – airmail	US\$44	US\$81	US\$119
Rest of World – surface	US\$34	US\$63	US\$92

### New fees from 1st April 2010:

The payment structure has been simplified this year, and subscriptions have increased slightly in sterling ( $\pounds$ /GBP) terms. The new rates also anticipate an increase in postage costs in April 2010. The subscription rates for overseas members have been adjusted for exchange rate movements over the last 12 months. To encourage payment by PayPal the surcharge has now been removed, since this method of payment simplifies our administration. Whilst every effort is being made to contain costs, a further increase in rates cannot be ruled out for 2011.

Subscription fees from 1 March 2010 are based on the methods of payment detailed below. The quickest way to renew your membership is on-line at <u>http://www.mwcircle.org/join.htm</u> using PayPal (or if you don't have a PayPal account, you may pay by credit card via PayPal):

UK members: PayPal (no surcharge), bank transfer, cheque, Postal Order, or cash (notes only, sent at your own risk – registered mail recommended). For payment by bank transfer you will need some or all of the following details (be sure to copy them exactly!):

Bank: Royal Bank of Scotland, Lochinver Branch

Sort Code: 83-24-28

Name of Account: Medium Wave CircleAccount Number: 00144522

Reference: Your MWC membership number (if available; may be obtained from the address label).

Overseas members: PayPal (no surcharge) or cash (notes only, sent at your own risk – registered mail recommended). Payment in other currencies may be made at the prevailing exchange rate. If you would like to use another form of payment, please e-mail the Treasurer (treasurer@mwcircle.org) for the subscription rate using your preferred method. Rates will include any transaction charges in addition to the basic membership fee.

### Treasurer's Report from Martin A Hall

The accounts for year ending 31 December 2009 have now been published, and a copy placed in the "Files" section of the MWC Yahoo Group site for your perusal. I believe they are self-explanatory, but will be delighted to provide clarification and answer any queries. I'm happy to e-mail a copy to any member not having access to the Yahoo site, or to send a printed copy in return for a stamped, self-addressed envelope.

In summary, income in 2009 was £3167, of which 83% was from membership subscriptions, the balance mainly from CD sales. Expenditure was £4112, of which 93% was for printing and postage of MWN, the balance being expenses associated with running the Circle, and cost of CD sales. Assets are £11,800 (mainly cash in bank accounts and stamps for stock); liabilities are principally subscriptions paid in advance, and are estimated to be £2476.

At first sight, the excess of expenditure over income of £945 appears high, although a significant part of this is due to advanced purchase of postage stamps for stock (£778), in anticipation of a postal rate increase in April 2010. Once this is taken into account, a more realistic loss would be in the region of £167, which I believe is quite satisfactory in the current economic climate, in which interest paid on our cash holdings is now negligible.

The outlook for 2010 is uncertain – inflation is increasing, yet interest rates remain low, so our costs are expected to increase; this makes 2 and 3 year subscriptions particularly good value for members at the present time. The small increase in subscription rates announced in the February MWN is intended to counter these trends. Looking further ahead, I anticipate a small decline in membership numbers as MW conditions deteriorate as we approach sunspot maximum, and we need to be prepared for this.

Fortunately the reserves held by the Circle place us in a good position to continue along our present path, although we will need to continue to keep costs strictly under control, and be flexible in how we respond to the changing needs of the MW DXing community.

### Q&A: Eton AN200 Medium Wave Antenna

Jim Borland writes from near Glasgo, "I am hoping to get some pleasure by listening to Medium wave Broadcasts and am feeling my way at the moment . I do have good radios but I am unsure about antennas. For various reasons I cannot put up outside wire antennas so what about an indoor loop antenna.

"Does anybody have experience of the Eton AN200 Medium Wave Antenna? Nevada and Waters and Stanton appear to know very little about this antenna."

Hi Jim, I'm not familiar with the Eton antenna but I believe it is a badge-engineered loop from another manufacturer (Kaito).

It is a passive loop that doesn't need to be connected to your receiver and it therefore needs a radio with a built in ferrite rod antenna to function correctly. I don't think it can be connected to a traditional communications receiver with an antenna socket.

From the photo it looks quite neat, but it looks like ribbon cable with (presumably) a tuning capacitor in the base. A Google search reveals some product information as well as a basic YouTube user experience.

The limitation of MW loops these days is unfortunately the myriad sources of interference often found in the home in proximity of the loop. If you can control the electrical noise sources in your home & don't have "noisy" neighbours then a loop like this will be a good accessory. Alternative if you combine the loop with an ultralight portable receiver and you use these outdoors away from electrical noise, you will have a simple but effective listening set-up.

However if you are feeling inclined towards DIY then building a MW loop is a very satisfying project and it can open up the whole MW band listening experience. Most MW loop constructors aim to build something about 1metre across, as a compromise between performance and mechanical stability and manoeuvrability.



By the way this loop is on the market for £39.95 from Nevada Radio <u>www.nevadaradio.co.uk</u> or (023) 92 313090.

### All Time DX Lists

Andrew Brade has continued to beaver away at the lists of All Time DX heard in the UK. This is one of those never ending jobs where one thinks "I'll just do a bit more before I publish". But we are virtually ready to publish lists complete till the end of 2009 (warts and all). These will be on the Circle's Yahoo Group and website just as soon as possible.

### Publications

A new edition of Radio Stations in the UK is now available from our friends at the British DX Club. It has been 2 years since the previous edition so there are many changes and updates. The booklet costs £4 in the UK (£5 in Europe, or £6 in rest of World). To order your copy send your payment (payable to "British DX Club") to BDXC, 19 Park Road, Shoreham-by-Sea BN43 6PF.

### Thanks

Since we now have three club officers in three separate locations we have started to ensure that we have a robust strategy for backing up important club information, so thanks to Herman and Martin for swapping CDs of back up data to protect club records and website integrity.

Now on with the show.

73s Steve

### JOHN BRYANT – DXer - RIP



John Hulon Bryant, 68, passed away Tuesday, February 9, 2010, at St. John Medical Center in Tulsa, following a severe head injury sustained as the result of a fall from a ladder. A memorial service will be held at 3:00 p.m. on Friday, February 12, 2010 at First United Methodist Church in Stillwater, Oklahoma. Strode Funeral Home is in charge of arrangements.

John was born on April 30, 1941, in Oklahoma City, Oklahoma to Glenn H. and Bernice Cochran Bryant. John grew up in Stillwater, graduating from Stillwater High School in 1959. He graduated from Oklahoma State University in 1964 with a Bachelor's degree in Architecture, and earned a Master's degree from The University of Illinois in 1968.

John married Linda Sue Carhart, of Scottsdale, Arizona, on January 30, 1964. John and Linda raised one daughter, Mary Ellen.

Following graduation, John was employed as a professional architect at The Benham Group in Oklahoma City. But his true passion was teaching. In 1970, he was hired as a Regents Professor of Architecture at Auburn University, where he taught until 1976.

Following that, John was awarded the distinct honor of a Senior Fulbright Research Scholarship. Herewith, John, Linda, and Mary Ellen spent a year in Japan, where John researched and photographed ancient Japanese architecture. This research became the foundation for his later specialization in teaching Non-Western Architecture classes at Oklahoma State University.

Following his year in Japan, John was hired by Oklahoma State University as Head of the School of Architecture, a job he held from 1977 until 1985.

During his tenure as Head, John made two trips to China as a member of a delegation of U.S. Architectural Educators. They were asked to facilitate the re-establishment of schools of architecture when that country re-opened relations with the West.

Following his time as Head, John served as a professor, teaching Design Studio and Non-Western and Japanese Architecture, the latter of which was frequently voted as "Favorite Class" by the students he loved so much. He retired from teaching in 2000.

In 1997, John was chosen as a Fellow of the American Institute of Architects.

John not only loved to teach, he loved to learn. His adolescent hobby of shortwave radio listening led to a lifetime of radio study, and eventual expertise. John was internationally known as a radio antenna designer and tester. His standards were high, and he was never satisfied. John had a great interest in the history of radio, as well. He co-authored four books on the history of the Zenith Radio Corporation with his dear friend, Harold Cones.

He and Harold also co-authored the book Dangerous Crossings, and account of the first modern polar expedition in 1925, in which radios and airplanes were first used in the far north.

From 1988 to 1992, John self-published six annual editions of Proceedings, a compilation of articles written by short-wave radio enthusiasts, sharing their expertise about this unusual and technically complicated hobby.

In 1986, John and Linda vacationed in the San Juan Islands in Washington State. They loved the area so much, they eventually bought property for a second home, which they designed and built themselves over the course of several years, the ultimate do-it-yourself project.

Of all his many and diverse interests, John was most passionate about his role as both an educator and advocate for his students.

John is survived by his wife of 46 years, Linda, of Stillwater, Oklahoma and Orcas Island, Washington, daughter Mary Ellen Nesser, her husband Noel Nesser, and grandchildren Katherine and Charles Nesser, of Fort Worth, Texas.

Memorial contributions may be made to the Endowment fund at First United Methodist Church, 400 W. 7th St., Stillwater, Oklahoma.

Condolences may be e-mailed to the family and on online obituary may be viewed by visiting <u>http://www.strodefh.com/CurrentObituary.aspx?did=95a63b08-eda3-41bf-a552-4ea689de9b7c</u>.



http://www.dxing.info/dxpeditions/easter\_island\_2007.dx

John was off course extremely active in the radio/DX community and his passing will be a great loss. Many people will have heard of John or read his writings but I'd been fortunate to have lengthy correspondence with the man.

He made a huge contribution to the hobby spanning the publication of "Proceedings" in the early 1990s, right through to the recent surge of interest in Ultra-Light DXing.

He also enjoyed the challenge and camaraderie of DX-peditions. Three years ago John perhaps set the benchmark for DX-peditions by travelling to Easter Island in 2007. Here is a photo of John waving the flag for DX in front of the enigmatic statues on Easter Island.

To read this story in full see MWN Volume 53 No2. or look at

There has been a huge response to John's passing with comments on many websites and in many publications. A selection appear on the funeral home website and others on DXNews published by the NRC.

What a tragic loss. - Steve

### The PVC Loop—Low Cost Ticket to High DX Gain!

By Gary DeBock, Puyallup, WA USA

The DX will flow when your use this common water pipe material to construct a dream antenna, from 18 inches to 9 feet on each side. Don't be afraid to dream big. It's lightweight, rugged, waterproof, completely symmetrical and dirt cheap!



**Introduction:** What began here as a casual project to construct a couple of small tuned passive loops was suddenly transformed into a fascinating experience in designing and building a series of monster antennas—all because of the accidental discovery of the perfect frame material. Symmetry, weight and cost suddenly all became manageable for every conceivable loop size, despite the unrealistic expectations of the author. Not only was the frame material ideal, but it was available in extremely strong fittings with multiple angles, assuring complete flexibility in designing both the antenna frames, and support structures. Truly a DXer's dream!

**The Benefits:** Tuned passive loops have been with us for decades, and many fine designs have been published in the IRCA and NRC technical guides. Popular with hobbyists because of the significant DX signal boost provided by a simple loop and tuning capacitor, tuned passive loops are available in either ferrite or air core form, and many small commercial designs are available. For Ultralight radios, the degree of the DX signal boost provided by passive loops is related to the quality and size of a portable's loopstick, with the greatest benefit given to the radios with the smallest loopsticks. In addition, DXers using communication receivers who are unable to erect external antennas often choose the 3' or 4' tuned passive loop as their best option, due to the attractive combination of significant gain and excellent nulling capability.

<u>A Few New Design Ideas</u> Most of the traditional passive air core loop designs seem to have a support frame in the center of the loop coil, or even have the entire loop wound around a form. Based on transcontinental QRP contact experience, however, I was eager to follow the amateur radio goal of having an antenna "high and in the clear," which in the case of a tuned passive loop would mean that the loop would have minimal contact with any support frame, and approach the

situation of being isolated in space. Also, the tuning capacitor should be connected exactly at the electrical ends of the symmetrical loop (without going off on any tangents), and be both of minimal size and of a vernier design, for tuning ease. These were challenging objectives, but I was convinced that they were necessary for the best sensitivity, cleanest electromagnetic reception patterns, and the sharpest nulling ability. The biggest challenge was in finding a suitable frame material to make the "isolated loop" concept a reality, without upsetting the design objectives of complete symmetry, light weight, and extremely low cost..

**PVC as a Frame Material:** PVC-framed air core loop designs have been increasingly popular among MW and LW DXers, primarily because of their unique combination of symmetry, light weight, and structural strength. Large frame designs that would be impractical with wood are easily constructed with PVC, even up to the 7, 8 and 9 foot side dimensions.

In choosing my own design objectives, I examined the plans of James Dale (of the Minnesota DX Club) and others, in which the PVC frame was at the center of the loop, using spreaders to maintain tension on the coil windings. This seemed to be the "standard" box loop design, a PVC adaptation of the classic wood-framed designs of the 70's and 80's. No doubt these loops provided much exciting DX for their builders, but I personally thought that PVC had potential for greater things, especially in the design of monster loops that would be absolutely impractical to construct with wood. As mentioned previously, I also wished to offset the PVC frame from the electromagnetic center of the loop, so as to isolate the coil in relatively free space for maximum performance.

**One Standard Design:** This project was simplified by the choice of one standard frame design, which could give optimum performance regardless of the side dimension. The only differences would be in the side dimensions, coil turns, and in the diameter of PVC used to maintain rigidity. Special variants such as tabletop, collapsible frame, long wave and waterproof loop models were developed which have specialized parts, but all models follow the same basic frame design. Ten loops were constructed, with side dimensions of 18", 2'1", 3'4", 4', 5'3", 5'6", 6'3", 7'7", 9'1" and a Longwave model of 6'5". As interested hobbyists will soon discover, once you have built one of these standard-design PVC loops, you will have the experience to build any one of them-- a fascinating ability that (as the author has discovered) can turn a casual hobbyist into a fanatic.



<u>Choosing Your Dream Antenna:</u> Although even a small tuned passive loop will provide a significant DXing boost over a stock portable, the antenna gain from these loops is directly related to the size of the loop. Larger sizes will provide more gain, and greater DXing performance. Within the limits of practicality in each hobbyist's own unique situation, it is the author's recommendation that DXers choose to build the maximum size of loop that their situation will allow.

Both the 18" and 2' PVC Loops can be constructed in a "tabletop" design, where they can be placed on desk tops, and picnic table surfaces. These loops will provide a significant DXing boost for typical Ultralight radios, and also have great portability for travel situations.

The 3', 4' and 5' PVC loops are more suitable for use on a support stand, either of a custom wood design, a basic PVC design, or of the all-PVC altazimuth tilting system (more later). These loops provide the best gain for DXers limited to indoor antennas, and should perform superbly whether inductively coupled to Ultralight radios, or directly connected to table receivers.

The 6', 7.5' and 9' PVC Loop models are most suitable for outdoor DXing away from house wiring and computer noise, where their high gain and excellent nulling capabilities can really shine. These monster loop antennas have the capability of taking fringe AM signals completely inaudible on stock Ultralight radios and boosting the signal gain to the point that the same Ultralight radios start to overload! Of serious size but moderate weight, these antennas do require stable and strong support structures (of non-conducting materials), weather-resistant construction, and tolerant family members (and neighbors).

Since the author was fascinated by the performance of these large loops and greatly desired similar DXing gain during ocean beach runs, experimentation was undertaken to create a 6' (side) collapsible-frame variant that would fit in a small car, and have foolproof assembly within a minute. That model is also now an exciting reality, the first of the "Pipe Dream" traveling monster loops.

Whereas these PVC loop antennas can provide high gain and highly directional nulling capabilities, they are not substitutes for large external antennas with cardioid reception patterns. The typical "figure 8" reception pattern of loop antennas means that the user must expect situations where QRM from unwanted stations comes from the back direction. The loops can be made highly symmetrical and can be tilted to optimize nulling of pest stations, but this will be of limited value if your target DX station is very close to the opposite bearing of the pest. Fortunately, there are also many situations when the bearing of the DX station is significantly different from that of a nulled pest, leading to easy receptions.

**The PVC Construction Primer:** There is a short learning curve involved in becoming an expert PVC frame builder, but after a few simple lessons, even a total novice like the author can assemble like a journeyman plumber. The PVC pipe, fittings, and glue are all dirt cheap, making it easy to practice until complete skill is attained. Perhaps the only downside will be the multiple requests from family members for PVC-framed projects like soccer goals and storage racks, after building expertise is gained. A few simple precautions will ensure maximum strength and symmetry in your dream antenna:

1) Choose the correct diameter of PVC for the size of your antenna frame (recommendations will follow). The most common novice mistake is to use PVC which is too small to rigidly support itself. This leads to a sagging frame, and sagging DX potential.

2) Always make a "dry run" to ensure that the PVC pipe will mate solidly with the PVC fitting, before reaching for glue. The time to discover that the pipe needs sanding is not when you are attempting to glue it to the fitting! Before gluing, ensure that the pipe "bottoms out" in the fitting slot during the "dry run," for maximum strength and symmetry in all loop designs.

3) PVC glue is very easy to use, and is strong and waterproof. Work outdoors, however, since the fumes are too potent for household venting systems. PVC glue also "grabs" very quickly, so know exactly what you plan to do, before applying it.. Make sure the pipe is of the correct length, and that if you need to glue a pipe at a 90 degree angle (such as the wire notch pipes), a 90 degree guide is available. PVC glue "grabs" about 5 seconds after the pipe is twisted into a fitting, so you have about that long to "get it right."

4) Woodworking tools (and experience) are extremely useful in PVC frame construction. A miter saw can cut all types of PVC pipe cleanly, usually leaving clean edges that require no sanding. A circular saw with an edge guide (and multiple wooden spacers) can cut perfectly symmetrical wire slots. Skills in measuring and cutting identical parts will be extremely useful in this project. Carpentry experience is helpful, and perhaps even a plumber might find his skills useful :>)

5) Use "Schedule 40" PVC pipe for all these projects. This is the thickest, strongest type of pipe for frame construction, providing maximum symmetry and rigidity. "Schedule 40" is always stamped on this kind of pipe, usually with the date of manufacture.

6) Learn the PVC fitting lingo. A "cross" has four openings, and is shaped like an "X." A "tee" has three openings, and is shaped like a "T." An "elbow" has two openings, and is shaped like an "L." There are other PVC fittings, but these are the main ones used in building antenna frames.

7) Have fun! PVC assembly mistakes are never fatal—the pipe can always be recycled to make smaller frames. Do your best to learn the skills, and if you have an unexpected "lesson," you can easily write off the cost of a few cheap fittings as "education." Before long, you will be fully qualified to build any size of PVC loop!

**Cutting of PVC Pipe** The easiest and most efficient way of cutting PVC pipe is by using a power miter saw, with the blade (preferably a "finishing" blade) set at a 90 degree angle. All the pipes for any PVC loop (and its PVC support stand) can easily be cut within a few minutes this way. If you don't have access to such a saw, however, don't despair. A manual miter saw box can also be used to cut perfectly straight pipes, and any hardware store has manual PVC cutting tools, which work very well once you get the hang of them. The trick with these manual cutting tools is to use a repeated cylindrical rolling motion on the PVC to cut through the pipe, rather than attempting to chop the pipe with brute, macho force in a hand grip (as the author quickly discovered). Before purchasing any PVC cutting tool, make sure that it will cut the PVC diameter size that you are planning to use in your project, and practice cutting a few scrap pieces of PVC before you make the important cuts on your dream antenna frame. Practice making clean, perpendicular cuts, which will give your PVC loop the maximum possible strength and symmetry.

If you plan to use a hacksaw (or other manual saw) and lack a miter cutting box, it is recommended that you mark a perpendicular cutting line around the PVC pipe at the exact dimension you wish to cut, and score this line with the saw to start off your cut. This will help you avoid the angular cuts which tend to creep in with this cutting method.

After choosing your desired size of loop and cutting your pipe lengths according to the "Table A" dimensions, ensure that the pipe ends will fit easily into your PVC fittings for gluing purposes. Rough edges should be sanded with 150 grade sandpaper (on the edges only, not on the smooth sides of the pipe) to ensure easy fitting. Always make "dry runs" before reaching for PVC glue.

<u>Cutting the Coil Wire Notches</u> The PVC loop design places a high priority on great coil symmetry, which comes from perfectly spaced coil wire notches. The easiest and most efficient way of cutting these symmetrical notches is by using a circular saw with an edge guide, and multiple wooden spacers to cut evenly spaced wire slots (see photo). The author used several 10" long pieces of <sup>1</sup>/4" and 3/8" wide mahogany firring strips for this "spacer" purpose, which worked very well. Any experienced woodworker or carpenter should be able to cut highly symmetrical notches this way, but this method requires experience, and should not be attempted by novices (see note below).



If you don't have access to such a saw, you can still make highly accurate coil slots by carefully using a hacksaw on marked cutting lines, which are drawn using a straightedge. Use a ruler to mark out parallel cutting lines spaced exactly .3 inches (or whichever other space is directed in "Table A") apart, and cut the slots wide enough so that your wire size can fit inside the slot for "nesting." This will ensure that your coil turns can be highly symmetrical, to optimize your loop's DXing performance and nulling ability. <u>Note:</u> Use of a circular saw is not recommended if you lack experience. In preparation for this article, the author has precut many sets of wire-notch PVC pipes for various sizes of loops. If you wish to build a PVC loop but have no interest or ability to cut wire notches, feel free to contact the author to check on the availability of a pre-cut set of 4 wire-notch pipes ("Pipe B", in the Table A loop dimension list) for your chosen PVC Loop design, which can simply be glued to four "spreader" pipes to make your loop. If available, a set will be sent for the cost of USPS Priority Mail shipment.



**Professional Glue Joints** The symmetry and strength of your PVC Loop will be optimized when you make accurate, secure glue joints between the PVC pipe and fittings. Although all loops will benefit from skillful gluing, the larger loop sizes in particular need strong bonds at various points of stress, such as at the center "cross" fitting, and at the lower "tee" fitting where the loop will be mounted on a support frame. Read the instructions on the glue can and follow them carefully—both for the maximum strength of the joints you make, and for maximum personal safety.

Inside every PVC fitting is a recessed slot, designed to securely hold the pipe after gluing. The fitting's maximum strength comes when a generous amount of glue holds a "bottomed out" pipe securely, in this slot. You can ensure gluing skill by making several practice PVC joints with cheap, scrap pieces of pipe and fittings. After gluing the scrap pieces to fittings, check the opposite end of the fitting to see if you "bottomed out" the pipe in the slot. Practice making glue joints at various angles between pipe sections. Remember that PVC glue gives you about 5 seconds before starting to "grab," so you need to know exactly what you are doing (and what angle you want) before reaching for glue.

When preparing to glue a fitting in your PVC Loop frame, during the "dry run," ensure that the pipe will come close to "bottoming out" in the PVC fitting, before applying glue. If it will not, clean the dirt or other debris off the pipe and fitting slot, and try again. Sand the pipe end with 150 grade sandpaper if necessary. Although PVC glue will often dissolve dirt, stains and other debris to "bottom out" a pipe in the fitting slot, it is best to have smooth, clean PVC material before gluing.

Gluing the four "spreader" pipes to the "cross" fitting is easy, since there are no angular glue joints. Simply ensure that the four pipes "bottom out" in the "cross" fitting (see photo). Gluing the four relatively short "wire slot" PVC pipes to the spreader pipes requires that the "wire slot" pipes all be pointing straight upward, perpendicular to all the "spreader" pipes (see photo). During these glue-ups, it is best to have a guide for a 90 degree angle, such as an unglued "wire slot" pipe set at a 90 degree angle in the fitting at the opposite end of the loop frame. Within 5 seconds, the builder should be ready to get the "wire slot" pipes bottomed out in the fittings, and set them at an angle of 90 degrees before the glue "grabs."

PVC glue forms strong, waterproof bonds when used properly, but will give off a pretty strong smell for about 24 hours after use. Plan to keep your glued PVC pipe project outdoors to vent off the fumes for at least a day after construction, to avoid irritation to yourself and others. Once again, be sure to read all the safety precautions on the glue container, and follow them carefully.

PVC glue also is also known to make interesting, psychedelic patterns when excess glue runs out of joints, especially when it is used as specified on the glue can. If you don't wish your PVC loop to resemble some counter-culture art from the late 60's, use masking tape, and clean rags to wipe up.

Choose your loop size(s) according to the following information. All of these loops have actually been built and tested by the author, and should perform as specified when instructions are followed. PVC diameter instructions must be followed exactly, to ensure symmetrical frames. Larger PVC diameters than those recommended may result in unnecessary, excess loop weight.

Side Dimension	18.5"	25.5"	40"	48"	63	" 66"	· 75"	91"	109"	77" (LW)
Diagonal Dimension	25.5"	35.5"	55"	69"	88'	, 93"	108"	125"	153"	107"
PVC Diameter ***	1"	.75"	1"	1"	1"	1"	1.25'	' 1.25'	1.25	1.25"
Pipe "A" length	10.75"	16.4"	26"	32"	42"	44"	51"	60"	73"	51"
Pipe "B" length	8.75"	7"	7"	7"	7"	7"	7"	7"	7"	10.5"
Loop Turns	20	12	9	7	6	6	6	4	4	22
Coil Turn Spacing	.3"	.3"	.3"	.3"	.3"	.3"	.6"	.6"	1"	.3"
Wire Length	123'	102'	120'	112'	126'	132'	150'	121'	145'	564'
Wire Size	#18	#18	#18	#18	#18	#18	#16	#14	#14	#18
Cost of Frame*	\$6	\$7	\$8	\$9	\$10	\$10	\$14	\$15	\$18	\$11
Cost of Loop**	\$40	\$41	\$42	\$43	\$44	\$44	\$48	\$49	\$52	\$146
Weight of Frame	2 lb.	2.5 lb.	4.5 lb.	5.5 lb	6.5 lb	. 7 lb.	9 lb.	12 lb.	14.5 lb.	9.5 lb.
Weight of Loop	3.5 lb.	4 lb.	6 lb.	7 lb.	8 lb.	8.5 lb.	.10.5 lb.	13.5 lb	o.16 lb.	15 lb.
Start Frequency (kHz	2) 500	530	510	530	550	530	530	670	590	148
End Frequency (kHz)	) 1710	1750	1710	1700	1500	1470	1450	1720	1480	374

### Table A – PVC Loop Dimensions, Pipe Lengths, Weight and Cost

\*Pretax cost of PVC pipe, fittings and glue (retail prices in western Washington state, August 2009) \*\*Pretax cost of PVC pipe, fittings, glue, wire, plus high quality "N50P" 381 pf variable capacitor \*\*\*For the 18.5" side PVC loop (and all loops smaller than 24" per side), 1" diameter PVC material is recommended to stiffen the frame, to avoid bowing due to multiple tight wire turns on the frame.

**Practical Considerations in Building Your Dream Loop:** Although most DXers would probably wish to have as much DXing gain as possible from their antennas, the monster-sized loops larger than 4' per side are unwieldy animals when used in indoor locations, and are impractical to rotate and transport in such environments. RF pollution and multiple conductors in walls, floors and ceilings compromise the indoor performance of these monster loops, which have the potential to cause serious stress in marriages (and serious doubts about the builder's sanity). It is the author's sincere hope that no broken relationships or other such negative consequences arise from a DXer's unrealistic choice of loop size.

**<u>Preparing to Build Your Own PVC Loop</u>**: After choosing the size of loop(s) you wish to construct (when viewing Table A), the next step is to gather your materials.

Secure a high quality variable capacitor to use in your loop. The author strongly recommends the compact, 381 pf variable cap from Crystal Radio Supply (part # N50P), which has 8:1 reduction gearing for smooth, hassle-free tuning from 530 to 1700 kHz. It is also compact enough to fit inside a 1.5" diameter PVC pipe, for complete waterproofing of an outdoor loop. The current cost is \$13.99 plus shipping. It's true that you can recycle an old variable cap from a junk radio and make a tuned loop, but the hassles of hair-trigger high band tuning (and extra hand

capacitance) just aren't worth it, in the author's opinion. The final quality of your loop will only be as good as the quality of your variable capacitor—so choose a high quality capacitor from the beginning, and avoid the tuning hassles.

- 2) Purchase PVC pipe for your chosen loop, making sure it is "Schedule 40" pipe in the diameter size specified in Table A. PVC pipe is commonly sold in 5', 10', 15' and 20' lengths in major hardware stores, and it must be cut to the "Pipe A" and "Pipe B" lengths specified in the table. Each loop will need at least four "Pipe A" lengths and four "Pipe B" lengths, so add up these total lengths to find how much pipe you will need for your loop. Remember to purchase some extra PVC pipe for cutting and gluing practice, and to make a PVC support stand for your loop, if desired.
- 3) Purchase at least one "cross" fitting, two "tee" fittings, two "elbow" fittings and three "cap" fittings in the PVC diameter specified for your loop (in Table A). Purchase some extra fittings to practice gluing, if desired. All of these PVC fittings should be "slip" (flat mating surfaces), and not "threaded" (screw-on type). If you wish to waterproof your loop, purchase an additional 1.5" PVC "coupler" fitting, and a "slip bushing" PVC fitting matching your loop's diameter (.75, 1, or 1.25") to the 1.5" coupler fitting.
- 4) Purchase stranded insulated wire of the type specified in Table A for your chosen loop, with 25' more than the length specified. Be advised that copper prices have become quite outrageous, and that you can expect to pay about \$18 for 125' of #18 wire. Recycled #18, #16 or #14 stranded wire may be used, but sizes larger than these are impractical for winding highly symmetrical loops.
- 5) Purchase PVC glue, in cans with a built-in applicator brush. The author recommends Oatey "Rain-R-Shine" medium blue PVC cement (8 ounces), which retails for \$5.48 and is enough for one loop.
- 6) Purchase silicone rubber sealant to lock in the symmetry of the coil you wind, at the coil ends. The author recommends DAP 100% Silicone Rubber Sealant for windows and doors (2.8 fluid ounces), which retails for \$3.50, and has a 50 year durability guarantee.
- 7) Gather tools and materials necessary to construct the loop. You will need a pipe cutting tool (power miter saw, miter box manual saw or hacksaw), coil notch cutting tool (electrical circular saw or hacksaw), needle-nose pliers, diagonal cutters, insulation-removing tool, scissors, strapping tape, a tape measure, soldering iron, screwdriver and hardware for connecting the variable capacitor chassis lead, and rags to clean up excess glue. For checking loop performance and adjusting the new loop's tuning range, you will need a portable radio with some type of tuning indicator (bar graph, signal strength LED(s), etc.
- 8) The author strongly recommends that you build a PVC (or other) support base for your loop, prior to constructing the actual loop. PVC material of the same diameter as your loop makes an ideal, insulating support structure to allow rotation of your loop for DXing purposes, and elevation of your loop away from ground obstructions. Support bases with electrical conductors (steel, aluminum or other conducting metals) should **not** be used, since they will upset the symmetrical reception pattern of the loop More information on PVC support bases will follow.
- 9) Remember to work **outdoors** during all cutting and gluing operations. The PVC glue has a very potent smell, which can fill an indoor space within seconds. After any gluing, make sure to keep your loop project **outdoors** for at least 24 hours, to vent out any remaining glue odour.

If this article isn't thorough enough, Gary has produced a further 7 page article detailing do-it-yourself construction. Unfortunately we don't have space in MWN to take this article up to 14 pages!

### NORTH AMERICAN NEWS

with Andrew Brade

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Hello again.

Here is what's been happening on the North American AM dial. There have been some interesting developments this month summarised in the table below.

May I express my gratitude to the organisations which make this resume possible? Thanks this month to: - IRCA, ABDX, NRC DX News, FCC, CRTC.



	CHNC	New Carlisle, QC – likely to move to FM in November 2010
690		Montreal, QC – off the air for commercial reasons
910	CINW	Montreal, QC – off the air for commercial reasons
1200	WKOX	Newton, MA – drops its tropical Rumba format in favour of English talk
1270	WMKT	Charlevoix, WI - Daytime power increase to 50kW from 27kW
1370	CFOK	Westlock, AB – becomes the latest station permitted by CRTC to move to FM
1500	KSTP	St.Paul, MN – ESPN sports format displacing talk
1640	WHKT	Portsmouth, VA – silent along with some other Disney stations
1640	WTNI	Biloxi, MS – changes format to ESPN sports from talk, simulcasting with WXBD 1490

### CANADIAN RADIO NEWS

#### CALL LETTER CHANGES

1240	CBXP	Tahsis, BC	Becomes CBTT (when flip to 90.5 occurs)
			FORMAT CHANGES
650	CISL	Richmond, BC	Was broadcasting Russian programming during 20% of the broadcast day during the 2010 Winter Olympics
			OFF THE AIR
_690	CINF	Montreal, QC	License surrendered (no longer economically viable)
940	CINW	Montreal, QC	License surrendered (no longer economically viable)
1340	CKCR	Revelstoke, BC	Signed off the air without utilizing the authorized 90 day simulcast time granted for FM flip to 106.1

#### PROPOSED AM TO FM CONVERSIONS

830	СККҮ	Wainwright,	AB	On 11th February CKKY's owner (Newcap) reapplied to the CRTC to move to 101.9 MHz with 57 kW at 135.9 metres. Their previous application to move to FM was rejected by the CRTC on the basis that Newcap would have three FM stations in the same market due to signal overlap with their Lloydminster station CKSA- FM. In this application there is a deep null towards Lloydminster to get around this problem. However Newcap withdrew the application on 26th February. The outcome of this is that CFCW Camrose, Alberta will remain
1450	CHOR	Summerland,	BC	on 790kHz and not move to 840. Has applied to move to 98.5 MHZ with 100 watts at 348 metres, as they will be evicted from their present transmitter site at the end of
1650	CINA	Mississauga	, ON	this year. They propose continuing with their Adult Contemporary format. Applies to increase their day power to become U1 5000/680.

#### GRANTED AM TO FM CONVERSIONS

610	CHNC	New Carlisle, QC	Simulcast with FM until 1st November 2010
1150	CHGM	Gaspé, QC	Simulcast with FM until 1st November 2010
1370	CFOK	Westlock, AB	CP granted to move to 97.9 MHz with 48 kW. The
			new station will maintain CFOK's Classic Hits
			music format.

#### CALL LETTER CHANGES

FREQ	OLD C.	ALL CITY	NEW CALL
690	WSPZ	Birmingham, AL	WJOX
970	WXQK	Spring City, TN	WRHA
1050	WZAA	Silver Spring, MD	WTOP
1150	WHUN	Huntingdon, PA	WLLI
1190	WLLI	Humboldt, TN	WHUN
1260	WNSS	Syracuse, NY	WSKO
1340	KPTR	Cathedral City, CA	KWXY
1390	WADA	Shelby, NC	WOHS
1450	KGAM	Palm Springs, CA	KPTR
1480	WCIN	Cincinnati, OH	WDJO

### SLOGAN/IMAGE CHANGE OR UPDATE

FREQ	CALL	CITY	SLOGAN UPDATE
910	WMRB	Columbia, TN	910 the Duck
1010	KOOR	Milwaukie, OR	W Radio
1040	WKTI	Powell, TN	Studio 1040
1160	KVCE	Highland park, TX	The Voice
1220	WDYT	Kings Mountain, NC	Nueva Vida Charlotte 1220
1320	WENN	Birmingham, AL	Neo-Soul 101.9
1330	WETZ	New Martinsville, WV	Magic 1330
1360	WSAI	Cincinnati, OH	Fox Sports 1360
1370	WKMC	Roaring Spring, PA	Hit Parade Radio
1530	WCKY	Cincinnati, OH	Cincinnati's ESPN 1530
1530	WYGR	Wyoming, MI	1530 Jamz
1570	KQWC	Webster City, IA	True Oldies

#### FORMAT CHANGES

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1400 1410 1420 1420 1440 1440 1450 1450 1450 1450 1470 1470 1470 1480 1480 1490 1490 1490 1510 1510 1510 1510 1550 1570 1570 157	WMYR WVJS WIGG WXGM WPRS WCDL KGAM KQYX KXGF WMBA WFNT WTOE KLMS WSPY KBMS WQQX WCSS WRCE KSTP WLRB WPGR WTLM WCKY WYGR WCSJ KQWC WNSH WDAB WMNE	Owensboro, KY Wiggins, MS Gloucester, VA Paris, IL Carbondale, PA Palm Springs, CA Galena, MO Great Falls, MT Ambridge, PA Flint, MI Spruce Pine, NC Lincoln, NE Geneva, IL Vancouver, WA East ST. Louis, MO Amsterdam, NY Watkins Glen, NY St. Paul, MN Macomb, IL Monroeville, PA Opelika, AL Cincinnati, OH Wyoming, MI Morris, IL Webster City, IA Beverly, MA Travelers Rest, SC Riviera Beach, FL	Classic Country Smooth Jazz Standards Country Standards Talk Adult Standards Talk Country Standards Standards Adult Standards Standards Talk Classic Country Adult Standards Silent Talk Standards Silent Talk Standards Silent Adult Standards Silent Adult Standards Silent Adult Standards Silent Adult Standards Silent Adult Standards Silent Adult Standards Silent Adult Standards Standards Standards Standards Standards Standards Standards Standards Standards Standards Standards	Talk Smooth AC Oldies Reported Silent Oldies Country Reported Silent progressive talk Oldies Hot AC Talk Talk Adult Contemporary Oldies Oldies Urban AC Standards Adult Contemporary Country Sports-ESPN Talk Catholic Religion Oldies Sports-ESPN R & B Oldies Oldies Talk Spanish Religion Silent pending sale
1580	WDAB	Travelers Rest, SC	Regional Mexican	Spanish Religion
1600 1640	WMNE WTNI	Riviera Beach, FL Biloxi, MS	Disney Talk	Silent pending sale Sports - ESPN //WXBD 1490
1640	WHKT	Portsmouth, VA	Disney	Silent pending sale
1660	WCNZ	Marco Island, FL	Smooth Jazz	Smooth AC

### FACILITY AND PARAMETER APPLICATIONS / GRANTS

(A) = application, (G) = grant

540	WLIE	Islip, NY	Licensed for U4 2500/220, WLIE has a CP for U4 10000/250. Amendment granted for U4 10000/220, reverting to their original night power level and pattern (G)
550	WIOZ	Pinehurst, NC	Licensed for U4 1000/260, WIOZ has been issued a Special Temporary Authorization for U1 250/65 due to vandalism at the transmitter site. (G)
710	KMIA	Black Canyon City,	AZMod of license 22kW/3.9kW DA-2 Also granted Program Test Authority (G)
790	WPNN	Pensacola, FL	D4 3000/0 CH 3000 moving to 780 kHz. (A)
860	WTZX		U1 950/11 CH 950. (A)
860	WFMO	-	CP dismissed for U4 50000/740 moving to
		,	Conway, South Carolina. WFMO remains U1 1000/12.
910	WAVL	Apollo, PA	CP dismissed for U4 6700/700 moving to 1360 kHz.
930	KNSA	Unalakleet, AK	U1 4200/4200 (A)
950	KPRC	Houston, TX	Minor mod on licence 5kW/5kW DA-N. Had STA to operate with "paramters at Variance" (G)
990	WEIS	Centre, AL	License to cover 1kW/30 NDA(A)
990	WLEE	Richmond, VA	CP dismissed for U4 4000/2000 moving to East Highland Park, Virginia. WLEE remains U1 1000/13. (DIS)
1010	WCNL	Newport, NH	Application dismissed change from 37 watts night to 1500 DA-N (DIS)

1010	WFGW	Black Mountain, NC	Licensed for U7 50000/500 CH 19000, WFGW has applied for U1 47000/90. This amendment
1050 1060 1090 1110 1120	WSMT WBIX KEXS WSFW new	Sparta, TN Natick, MA Excelsior Spr, MO Seneca Falls, NY Yelm, WA	requests U1 47000/90, but moving to the transmitter site of WZGM-1350. (A) U1 950/178. (A) CP to increase DAY power from 40 to 50kW (G) D4 8000/0 CH 4000 (G) Mod to license, 1 kw NDA DAY(G) CP granted for U4 10000/6000 from three towers (day and night). Both patterns are essentially
1140 1140 1150	KHFX KLTK KOLJ	Cleburne, TX Centerton, AZ Quanah, TX	the same: a west-bound circle with small lobes to the northeast and southeast. The night pattern is, of course, smaller. D4 15000/0 CH 15000 (A) CP to increase power from 700 to 5000W (G) Amendment to current application. Increase
1150 1150	WTMP new	Egypt Lake, FL Easton, CA	<pre>from 500/73 to 530/77 watts (A) U4 14000/700 (G) CP granted for U2 260/5000 from two sites. The day transmitter will di-plex into the 189' #1 tower of the current KYNO-1300 array. The night transmitter will use 12 new towers of various heights directing the majority of the signal in a slim pattern the southwest with a small amount headed west.</pre>
1150 1160	new WCRT	Captain Cook, HI Donelson, TN	U1 5000/5000 reinstated. (A) Increase input power. This proposal seeks merely to increase the antenna input power to achieve the authorized inverse field at one kilometre. (A)
1170 1190	KCBQ WAGE	San Diego, CA Leesburg, VA	Mod of license 50kW/2.9kW DA-2(G) Application dismissed to add 1300 Watts night operation onto their Construction Permit for
1190	KQQZ	University City, MO	D3 50000/0 moving from 1200 kHz. Licensed for U4 10000/22 at Desoto, Missouri, KQQZ has a CP for U4 10000/6500 changing the City-of-Licence (CoL) to University City and adding a second transmitter site for nighttime use. This amendment requests U4 10000/1000 along with another change to the CoL to Fairview Heights, Illinois while consolidating the transmitter sites to that of the current daytime location. (A)
1200	new	Chanhassen, MN	U2 1300/1000 from four towers. The night pattern directs a lobe to the northeast with a small 'bubble' toward the west. Chanhassen is located about 25 miles southwest of downtown Minneapolis (G)
1210	KTBK	Auburn-FederalWay,WA	Granted Auxiliary Nightime operation at KTBK day site 227 watts (G)
1270	WNLS	Tallahassee, FL	Application for 50kW/5kW DA dismissed. Station also has an application to reduce night power to 110 watts and go NDA fulltime. WNLS remains U2 5000/5000.
1270	KZNS	Salt Lake City, UT	CP granted for U4 50000/670 co-locating with the array of KTKK-630 (G)
1270 1280	WMKT KYRO	-	U2 50000/5000 (G) Applies for U1 1000/70 along with a change in
1280 1340	KSOK WROD	Arkansas City, KS Daytona Beach, FL	CoL to Troy (A) U1 1000/100 CH 500. (A) Minor change to CP for new site. Makes minor
1360 1370	WMNY WVIE	McKeesport, PA Pikesville, MD	mods to the proposed ground system (G) CP dismissed for D3 7000/0 moving to 910 kHz. Increase night power from 7700 to 24000 watts
1400	new	Taylor, AL	<pre>(A) Application for a new station dismissed.1100 KWWN Las Vegas, NV License to cover 23.2k/2.2k DA-2 (G)</pre>

1410	WNGL	Mobile, AL	Licensed for U2 5000/5000, WNGL lost use of its two-tower site and is currently silent. They propose to move to a new location and return to the air with U2 5000/4600.
1430	new	North Las Vegas, NV	Initial application was for U4 5000/390. This amendment requests U4 5000/370. [night power correction from last issue] (A)
1440	WDXQ	Cochran, GA	CP granted for U1 940/48 and to reduce their antenna from 310 feet to 190 feet (G)
1440 1490	KTNO WSFB	University Park, TX Quitman, GA	Minor mod license 50kW/350W DA-2 (G) Currently operating under an STA (Special Temporary Authority) with U1 165/165 (licensed for U1 1000/1000) due to the loss of their tower site, WSFB has applied for U1 1000/1000 at a new location. (A)
1500	KABR	Alamo Community, NM	U1 5000/25 CH 4200 on 1510 kHz and a move to Isleta, New Mexico. (A)
1540	WKVQ	Eatonton, GA	Licensed for D1 1000/0 on 1520, WKVQ has a CP for D1 10000/0 CH 1600 here. This amendment requests D1 1000/0 CH 1000 on 1540. (A)
1550	new	Golden, CO	Initial application was for U2 5000/250. This amendment requests U1 1000/270. (A)
1560	KKAA	Aberdeen, SD	Minor mod to CP. Correcting the tower spacing and orientation. No other changes are proposed (G)
1600	new	Billings, MT	CP granted for U2 5000/1250. The night pattern, using 4-154' towers, will send a large lobe to the northeast with smaller lobes to the southeast, south, southwest, west and northwest.

#### CONSTRUCTION PERMITS ON THE AIR

The following CPs are on the air:

1030	WDRU	Creedmoor, NC	CP moving from Wake Forest, North Carolina is on, remaining D3 50000/0.
1130	KTRP	Mount Angel, OR	This new station has been heard testing. Their facilities are U4 25000/490 from three towers at 45-04-35/122-48-27. The day pattern is balloon-shaped headed northeast, while the night pattern is like-shaped headed southwest. Their projected sign-on date is late March or early April.
1210	WQLS	Pike Road, AL	CP moving from Ozark, Alabama is on the air, as they remain U1 10000/3 CH 5000.
1220	WGNY	Newburgh, NY	U4 10000/180 is on the air, doubling their daytime power.
1570	KUAU	Haiku, HI	U1 15000/15000.

#### LICENCE CANCELLATIONS

1070 KRAM West Klamath, OR Calls deleted.

That just about clears my "In Tray" for another month so I'll sign off with best wishes for some good DX all around The Circle.

Andrew

### CENTRAL AMERICAN NEWS

with Tore Larsson

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### **Netherlands Antilles**

<u>800</u> Trans World Radio (TWR) has since last Thursday been simulcasting local Christian programming from Haiti's Radio 4VEH via TWR's 100kW AM outlet on Bonaire. Broadcasts of Radio 4VEH's live Internet audio stream will be aired on 800 kHz from 0315-0700 UTC.

Andy Sennitt, RN Media Network 19.1.2010

### **Turks & Caicos**

<u>530</u> Radio Visión Cristiana, North End, So Caicos - remains the big oven element, running good power into the long wire 30 feet off the ground. Talk of the new tower construction is yet to materialize.
 <u>1020</u> Caribbean Christian Radio, Grand Turk - nothing new with 1020 Jerry Kiefer 29.1.2010 via DXLD

### SOUTH AMERICAN NEWS

with Tore B. Vik

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### Argentina

<u>1650</u> LRI-227 Antares AM 1650 "La Radio de la Familia" inaugurated their new broadcast studios in December 2009. They are located at Calle Cjal. Manuel Martitegui 598, Fátima, Pilar, Buenos Aires. Telephone (02322) 49-9899. The station is operated by Radio Familia S.A. with Señor Norberto Eugenio Chindemi as its CEO. The station transmits with 1/0.5 kW of power and is fully licensed.

Marcelo A. Cornachioni, Lomas de Zamora and Arnaldo Slaen via Christer Brunström

### Brazil

840ZYH447R. Excelsior (BA16) – Address: Rua Martim Afonso de Souza 270, Garcia, 40100-050<br/>Salvador, BARudolf Grim1480ZYJ485R. Popular, Duque de Caxias (RJ55) – ex. R. Duque de Caxiasweb1510ZY...R. Athenas Paulista (SP269) – ex. 950 kHzweb

CP's from Cláudio Moraes:

1420	TV O Norte Ltda., Alpercata, MG
<u>1560</u>	TV O Norte Ltda., Conselheiro Pena, MG

### Colombia

Radio Nacional de Colombia, new web site: http://www.radionacionaldecolombia.gov.co/ Yimber Gaviria

### WORLD NEWS

(Europe, Asia, Africa) with Ton Timmerman

H. Heijermanspln 10, 2024 JJ Haarlem, The Netherlands e-mail: <u>world-news@mwcircle.org</u>

### Australia

A new station on 1323 kHz in Australia. Just heard that the new 2KIX transmitter now on air as of 0400UTC 30/1/10 on air Canberra 400 watts of power on/off as testing as required by the authorities for interference etc...for a full week. (John Wright via HCDX)

### Germany

Recent observations from Scandinavia about the DRM hiss being gone from 729 kHz can be fully confirmed: Gerhard Roleder reported in the Radio-Kurier magazine that Deutschlandradio cancelled it on 31 Dec 2009. It now also shows up in a presentation of "available mediumwave transmitters that can be put on air immediately": <u>http://www.media-broadcast.com/fileadmin/user\_upload/Downloads/Freie-MW-Vers-jan10.pdf</u>

What catches one's eye most here is of course the inclusion of 1539 kHz. Apparently Evangeliums-Rundfunk plans to stop its mediumwave transmissions altogether. At present <u>http://www.erf.de/1212-Empfang.html</u> mentions as remaining airtime 0500-0900 and 1830-2200 UTC, but I think it now needs to be confirmed if 1539 is still on air at all (*Kai Ludwig via DXLD*.)

ERF has stopped transmitting at daytime so you can rent it at that times. But there are no plans to stop completely and - what's interesting - M&B is restricted of whom they an lease the available airtime to (*Stephan Schaa via DXLD*)

### Iceland ICELAND ON 600 METERS.

February 19, 2010 - The Post and Telecom Administration in Iceland granted a temporary experimental access to the 600 meter band in Iceland. The permit is valid until December 31, 2010. Frequency span: 493-510 kHz. Access is granted on secondary basis. CW only. Power limit is 100 W. Licensees need to apply to the PTA for a special license. The experimental license is open to both "N" and "G" license classes. (*Jónas Bjarnason, TF2JB, President of Í.R.A*)

### India

AIR to get 2 MW DRM transmitters for Gujarat, W Bengal:

All India Radio (AIR) has placed an order for the supply of two 1000 kilowatt DRM capable medium wave transmitters. These will replace old analogue transmitters of same capacity at Chinsurah (West Bengal) and Rajkot (Gujarat), with state-of-the-art solid state transmitters. The new Megawatt transmitters can be operated in analogue, in simulcast or in DRM mode with automatic change-over between these three operational modes. The transmitters shall provide coverage to very large areas in the Indian sub-continent as well to the West, North, East and Southeast Asia. This significant purchase was revealed at the recently concluded Broadcast Engineering Society (BES) India's conference in New Delhi, attended by exhibitors and participants from all over the world. The need for cheaper digital radio sets and content innovation was highlighted by speakers during the event.

All India Radio has already chosen DRM as the technology for converting its vast analogue network to digital. This is part of its digital radio switchover strategy where more than 40 transmitters are to be made DRM capable in the near future. AIR is already broadcasting in DRM

from one of its high-power shortwave transmitter located at Khampur near Delhi that covers an area of approximately 800 kilometre radius. The DRM Consortium says the development underlines the commitment made by India to new technology in general and the DRM standard in particular. (http://www.radioandmusic.com/content/editorial/news/air-get-2-mw-drm-transmitters-gujarat-w-benga l via Jaisakthivel Tirunelveli via DXLD)

### Italy

RAI Torino Eremo transmitter on 999 kHz has been closed and transmissions are now from Torino Volpiano site, temporarily with 2 kW on 1062 kHz. A 50 kW transmitter will replace it on 999 kHz in the near future (*WRTHmonitor for the National Radio section via Patrick Robic via Wolfgang Bueschel*).

Rai Torino new Volpiano site, ex Eremo 1062 2kW, soon 999 kHz 50kW 45°11'32.24"N 07°49'35.63"E (Mauno Ritola / Wolfgang Bueschel via Mediumwave.info)

### Myanmar

Myanmar noted 27/02 on new 693 kHz MW at around 2300 UTC. It's a bad choice as its neighbor Bangladesh is also operating on same channel with 1000 kW. Maybe its to jam their signals? (*Jose Jacob via DXLD*)

### Moldava

The transmitter in Maiac on 621 kHz (relaying International Russian Radio) was switched off on 1 January. (*Oleksandr Egorov in open\_dx via Bernd Trutenau, ARC Info Desk*)

### Nigeria

The newly installed 100 kilowatts mediumwave digital transmitter of the Federal Radio Corporation of Nigeria, FRCN, Enugu Zonal Station has been formally presented to the corporation by the Japanese government. The transmitter was donated to Nigeria by the Japanese government through its International Cooperation Agency (JICA) for the revitalization of the moribund mediumwave service of the Enugu national station.

Officials of JICA presented the equipment to FRCN management led by its Director-General, Yusuf Nuhu, at a ceremony held at Milikin Hill transmitting station in Enugu, yesterday. The collaborative project between the Japanese government and the Federal Government commenced in February last year and was completed last month following which the station began test transmissions on mediumwave. Mr Nuhu said the station was a fulfillment of the corporation's desire to re-introduce purpose-driven educational broadcasting on radio, adding that it was key to revitalizing a robust broadcast of non-formal and distance education programme in the country. He said that the corporation would make further consultations with relevant agencies and persons, especially the local people on the programmes to be delivered on the channel. (*Vanguard.via MediaNetwork via Steve Whitt*)

The Ekiti State Broadcasting Station (BSES) in Nigeria has been shut down because of a faulty power generator, the News Agency of Nigeria (NAN) reports. The broadcasting outfits run by the station are the AM Radio (Voice of Ekiti), FM Radio (Golden Voice of Ekiti), and the television station (Channel 41 UHF), all located at Ilokun-Ekiti.

Confirming the closure, the Director General of the station, Segun Aderiye, said in Ado-Ekiti on Thursday, that the station, launched on May 22 1999, was shut seven days ago because its only electricity generating set was faulty. He could neither confirm when the generator would be repaired nor when the radio and television channels would resume transmission, but described the generator problem as a major fault (234next.com via Media Network weblog).

## THE HOME FRONT

with John Williams

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### **Commercial Radio News**

### TalkSport increases market share

### 7 February, 2010

UTV Radio's national sports station talkSPORT has recorded its highest ever market share, and highest ratings for breakfast, whilst Absolute Radio and Classic FM both see a drop in listeners. But whilst most stations go down after a re brand, Absolute Radio is happy with their increase in total hours - up 2.1 per cent this quarter.



In Golden Square, Clive Dickens, Chief Operating Officer of Absolute Radio told us: "Total listening hours are a strong indicator of listener satisfaction and we are very pleased with this result."

talkSPORT now has a weekly reach of 2.5 million, with 1.2m tuning in to Alan Brazil and Ronnie Irani in the morning. It is the only national terrestrial station to gain listeners this quarter too. Scott Taunton, UTV Media (GB) Chief Executive, said: "This is a fantastic result, ending what has been a great year for talkSPORT. More people are listening, they're listening longer and we have grown market share to a record figure in the face of increased competition." (www.radiotoday.co.uk)

#### Absolute Radio to broadcast Premier League Football 11 February, 2010

Absolute has secured a three-year deal to broadcast Barclays Premier League football commentary at 3pm every Saturday from next season.

The national station will be able to broadcast commentary on one of the two games at 3pm on Saturdays, the only games not to be on television, from August 2010. On-air talent is yet to be finalised but is likely to be a mixture of established names and new voices and the shows will be made by the station's production team. Different shows will be available on different frequencies. Absolute Radio will broadcast 'Absolute Radio Football' on its national AM licence and 'Rock n Roll Football', its current mix of goals and music, on the London FM licence.

Since the relaunch of Virgin Radio as Absolute Radio in September 2008 the radio station has positioned itself as a "music and entertainment" brand.and will provide Premier League commentary in an entertaining

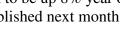
way". The station said: "We are giving listeners a choice of style. Absolute's entertainment-focused commentary will be different from BBC Radio 5 Live, which is a news and sport brand, and TalkSport, which is a sport and talk brand." (via Steve Whitt)

### Commercial radio revenue bounces back in Q4 2009

Revenue across the UK commercial radio industry is expected to be up 8% year on year for the fourth quarter of 2009 when the official Ofcom figures are published next month.

The commercial radio industry took £129m in the fourth quarter of 2008 which means total revenues for October to December in 2009 are estimated to be around £139m. The growth follows a 12% drop in third quarter revenues.

According to unofficial revenue figures from senior industry sources the UK commercial radio industry was up 3% year on year in October, up 11% year on year in November and up 10% year on



Absolute.

absoluteradio co ul

23 February, 2010

year in December. The first quarter of 2010 is also expected to be strong and the industry predicts revenues to be up 14% year on year in January and 11% year on year in February.

Commercial radio revenue during 2009, when the unofficial figures for quarter four are included, is expected to be around £507m, down 9.5% from £560.2m in 2008.

The figures suggest radio is outperforming the ad market. In December WPP's media agency umbrella arm Group M issued revised forecasts for UK adspend during 2009 which suggested the UK ad market is expected to fall by 12% in 2009, an improvement on the 14% drop it predicted mid 2009.(www.mediaweek.co.uk)

#### March, 2010 Football Club Station **April**, 2010 Crystal Palace Palace Radio 1278 kHz 6 Sheff Utd 5 Preston\* 10 QPR 16 Leicester 27 Cardiff 24 West Brom Radio Rovers 1404 kHz Blackburn 6 Birmingham 10 Man Utd 20 Chelsea 17 Everton Rushden and Radio Diamonds 1503 kHz 9 Chester\* 3 Crawley Diamonds 13 Gateshead 10 Ebbsfleet 24 Luton

**RSL & LPAM News** 

Details of the football club's broadcasting their home games are as follows:

\*Evening game

### **Burst Radio Bristol 1134 kHz**

"You may or may not be aware that Burst has struggled to get back online this year. The reasons for this include our old I.T system breaking, having to re-locate studios and most importantly losing our access to broadcasting via the internet. Last term the Burst... committee and myself worked tirelessly round the clock to start re-building Burst from scratch. Our vision is to have a new website, new student motivated branding as well as giving Burst the facilities to be a useful platform for those who want to get into the media, predominantly radio. As it stands, we have built a brand new broadcasting studio on the third floor of the Union. We have a new logo and website which will be launched once we are able to begin broadcasting. We also have a new powerful broadcasting computer, as well as touch screens. However, the truth is that it would seem in the



past Burst was not broadcasting appropriately and subsequently during the refurbishment of our IT system we have come up against a large amount of Red Tape from Computer Services.

Unfortunately we have to comply with all their regulations and this has been the major hold up of the Burst launch. We are hopeful our IT problems will be resolved in the coming weeks and the Burst launch will follow soon after. If you

would like to offer any assistance or advice to this process we would be greatful. I am optimistic that Burst will be launching in the near future and I am greatly looking forward to that day. I have attached a mock up of our new website and our new logo." Alex Lindblom-Smith Station Manager, Burst Radio, www.burstradio.org.uk University of Bristol Union. (Twitter via Steve Whitt)

Steve also reports the following "I may have overlooked this development for some time but noticed today a strong signal on 1134 kHz carrying **BFBS Gurkha Radio**. Strength and direction suggested it might be from Catterick Garrison. This could tie in with the recent disappearance of ArmyTalk from 1287kHz (maybe the tx has been retuned). I have not seen

mention of any new station at Catterick. But Ofcom does list this station as follows: BFBS Gurkha Radio Catterick Gurkha Company Catterick Garrison



1134 kHz Contact Number: 01748 873743. If I null the Catterick signal I can hear a slight audio echo from the other Gurkha Radio signals also on 1134kHz."

**Flame Christian Community Radio** Wirral 1521 kHz which commenced broadcasting in December 2009 has a new web site <u>www.flameradio.org</u>. (*via Dave Kenny BDXC-UK*)



Ofcom has awarded **Insanity Radio 1287 kHz** the student radio station of Royal Holloway University London, a Community radio licence to broadcast for 5 years. The

University is located at Egham Hill, Egham, Surrey.

### EUROLOG

with John Williams

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189	Rikisútvarpid Rás 1+2, Gufuskálar Music Px	333	0543	25/1 FW
765	BBC Radio Essex Chelmsford; "Across the County, broadcasting live			
	from the birthplace of radio"	G	1500	5/2 BB
792	Gold Luton and Bedford Kempston; "Only on Gold"	W	1510	13/2 BB
810	BBC Radio Scotland, various ID, News	333	2300	18/1 FW
810	Radio Skopje 1/Ext. Service, Ovce Polje Music Px	333	2310	18/1 FW
819	Rai Radio 1, Trieste Talk	333	2250	19/1 FW
819	Radio Euskadi, San SebastiánID, News	222	2300	19/1 FW
828	NDR Info, Hannover, Sport News (Handball EM)	444	2250	20/1 FW
828	Gold 828, Fern Barrow (Bournemouth) ID "This is Gold", Music	222	2305	20/1 FW
828	BBC Asian Network Wolverhampton; "Sharet? Khan Day" frequent Ids	G	1450	5/2 BB
837	France Info, Nancy-Nomeny ID, News	444	0400	22/1 FW
846	Radio North, Carndonagh ID" R. North" Px with J. Michel	444	0400	23/1 FW
855	BBC Radio Norfolk, Postwick Px 5Live	222	2255	23/1 FW
855	România Actualitati, Tancabesti ID "R. Romania Actualitati", Nx	444	2300	23/1 FW
855	BBC R Lancashire Preston; Football news clear Id	W	1520	13/2 BB
864	France Bleu, Paris – Villebon-sur-Yvette ID, News, Music	444	0300	25/1 FW
873	AFN Power Network, Oberursel-Weißkirchen Music Px	444	2310	25/1 FW
882	BBC Radio Wales, various ID, News	4333	2300	26/1 FW
882	MDR Info, Wachenbrunn News	333	2305	26/1 FW
891	Radio 538, Hulsberg Adv. Telecom, Infos, Music Px	433	2258	28/1 FW
900	Rai Radio 1, Milano Nat. Ant., ID, News	444	2258	29/1 FW
909	România Actualități, Ortisoara Mx "Bee Gees"	222	2250	1/2 FW
909	BBC Radio 5 Live, various ID, News	444	2300	1/2 FW
918	Radio Slovenija 1, Ljubljana-Domzale Px Slovenja International	444	0259	4/2 FW
927	NET (1 <sup>st</sup> px), Zákinthos IS: flute and sheep bells, ID: "NET"	333	2300	4/2 FW
945	France Info, Toulouse-Muret ID, News	444	0259	9/2 FW
954	Ceský rozhlas 2/6, various Report	444	1738	9/2 FW
954	Onda Cero Radio, Ctra Humera (Madrid) News	333	2302	9/2 FW
963	Radio Horizont, various Folk Music, ID, News	333	0255	11/2 FW
963	Radio Euskadi, Biribilondo News	222	0303	11/2 FW
981	Rai "Trst A", Trieste IS, ID, News	222	0300	13/2 FW
990	Deutschlandradio Kultur, Berlin-Britz ID, News	444	2300	15/2 FW
999	Rai Radio 1, various Nat. Ant.	333	0250	16/2 FW
999	Russian International Radio, Maiac ID, News	333	0402	17/2 FW

1008	GrootNieuwsradio, Zeewolde (Flevoland) Music	444	2305	16/2 FW
1017	SWR Cont.Ra, Wolfsheim Px ARD-Olympia Vancouver	333	2300	18/2 FW
1026	BBC Radio Cambridgeshire, Chesterton Fen Px with Wally Web	333	0400	19/2 FW
1035	BBC Asian Network, Sheffield ID "Asia Network", News	444	2300	17/2 FW
1035	Northsound Two, Nigg (Aberdeen) ID, Infos, Music	333	2250	18/2 FW
1044	MDR-Info, Wilsdruf ID, News	222	2258	15/2 FW
1044	SER R San Sebastián, Monte Igueldo ID, Local and Regional News	444	0400	18/2 FW
1053	Radio Iasi, Iasi News	222	0620	10/2 FW
1053	TalkSPORT, various Talk	333	0355	17/2 FW
1062	Country Radio, Zbraslav American Country Mx	444	2250	14/2 FW
1062	Rai Radio 1, Catania (Sicilia) ID"Rai Sicilia", Lokal News and Infos	222	2300	14/2 FW
1062	Rai Radio 1, various ID, News	222	0300	16/2 FW
1071	TalkSPORT, various ID; News	444	0300	15/2 FW
1080	SER Radio Coruña, Elviña ID "SER La Coruna", Local Infos	222	2310	12/2 FW
1089	TalkSPORT, various ID, News	333	2257	10/2 FW
1098	Radio Devín, Nitra-Jarok Nat. Anth., ID, News, ID "R. Devin"	444	1740	9/2 FW
1107	Moray Firth Radio, Tarbat Ness (Inverness) ID, News	444	0510	6/2 FW
1107	AFN Power Network, Kaiserslautern Talk	222	0255	10/2 FW
1116	SER Radio Pontevedra, ID" SER R. Pontevedra", Local Infos	444	0300	5/2 FW
1116	MR1-Kossuth Rádió, Miskolc Classic Mx Px	444	2245	8/2 FW
1125	RTBF Vivacité, Houdeng ID, News	222	0305	5/2 FW
1143	AFN Power Network, various ID, News	222	0258	2/2 FW
1143	Russian International Radio, Bolshakovo Talk	444	2300	3/2 FW
1152	Gold 1152, Langley Mill (Birmingham) ID "This is Gold", Music	444	0455	30/1 FW
1152	Radio România Actualități, Cluj Nat. Ant., ID, News	333	0300	2/2 FW
1161	Magic 1161 AM, Goxhill ID "This is Magic 11-61 AM", News	333	0300	29/1 FW
1161	Radio Horizont, various Mx, ID "Horizont"	222	0500	30/1 FW
1161	Tay Am Dundee; "Tay AM entertainment guide"	G	1535	15/2 BB
1170	Magic 1170 AM, Stockton ID "Magic 11-70", Music Px	333	0258	27/1 FW
1170	Radio Slovenia Int'l, Beli Kriz ID, News	222	0307	29/1 FW
1170	Swansea Sound, Swansea) Weather report	333	0315	29/1 FW
1179	România Actualități, various Nat. Ant., ID, News	222	0305	27/1 FW
1188	MDR-Info, Reichenbach News	444	2300	24/1 FW
1197	Euskadi Irratia, Vitoria News	444	0400	24/1 FW
1197	Absolute Radio, various ID, Pop Mx	222	2305	24/1 FW
1204	France Info, Bordeaux-Néac ID, News	444	2300	22/1 FW
1215	Russian Int Radio, Bolshakovo ID, News	333	2310	22/1 FW
1224	Radio Horizont, Vidin ID "Horizont", News	333	0210	21/1 FW
1224	Radio Bulgaria, Vidin ID "R. Burgarska", Folk Music	444	2300	21/1 FW
1233	Absolute Radio, variousPop Mx	444	0200	20/1 FW
1242	France Info, Marseille-Cabriès-Réaltor ID, News	333	0200	19/1 FW
1251	Radio 5/Radio 1, HulsbergID, News	333	0300	18/1 FW
1260	SER Radio Murcia, MurciaID, Music	222	0310	18/1 FW
1260	Gold 1260, Mangotsfield (Bristol) ID, Music	333	0650	10/2 FW
1314	Radio Nacional 5, various ID" RNE Catalana"	444	2015	7/2 FW
1467	Trans World Radio, Roumoules IS; ID, Px in Czech	333	2018	7/2 FW
1476	Euskadi Irratia, Biribilondo Music "Spirit in the sky"	222	0405	19/2 FW
1530	Pulse 2 Huddersfield; News and weather	F	1500	13/2 BB
1566	County Sound R Guildford; News	F	2300	14/2 BB
	any thanks to:			
DD	Domand Drown System In Ashfield Notter Songoon DT 400W Ultra	lialet		

BB Bernard Brown Sutton In Ashfield Notts; Sangean DT-400W Ultralight

FW Friedhelm Wittlieb, Grundig Satellite 700 with martens fram-antenna, Lünen, Germany The closing date for the next issue is **21 March, 2010** 73's John

### **DX LOGGINGS**

. Glackin, 199 Clashmore, Lochinver, Lairg, Sutherland IV27 4JQ, Scotland with Martin Hall

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kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
530	CMBQ	Radio Enciclopedia, La Habana; SS music and ID	1-3	0715	22/1	SHNx
540	WFLF	Pine Hills FL; "news today, WFLA" heard in short Hungarian gap	W	0700	21/2	AB
540	CBGA1		F	0800	2/2	PC
540	CBT	Grand Falls NL; ID dominant over Europeans; This season I've heard CBT quite often – in previous years this was a rarity	Vg	0059	15/2	SW
550	WSAU	Wausau WI; "5-50 WSAU Wausau and 99 9 WSAU FM Rudolph"	W/F	0800	28/1	PC
550	WSAU	Wausau WI; glimpsed with C2C, AM/FM ID & Fox News	W	0557	10/2	BD
555	ZIZ	Basseterre, St Kitts; BBC World Service	W/F	0800	30/1	PC
570	WTBN	<b>Pinellas Park FL</b> ; ID "AM 5-70 WTBN Pinellas Park" in Reloj silence; <b>personal first</b>	W	0700	17/2	AB
570	WMCA	New York NY; "WMCA New York, a service of Salem Communications AM 5-70 WMCA, New York's Christian (?)."	W/F	0800	2/2	PC
570	WMCA	New York NY; "WMCA New York, a service of Salem Communications, AM 5-70 WMCA. New York's Christian talk"	F	0700	23/2	AB
570	WSYR	Syracuse NY; "WSYR Syracuse" heard in mix at toth	W	0800	28/1	PC
570	WSYR	Syracuse NY; "News Radio WSYR it's two o'clock", Fox News	F	0700	20/2	AB
570	WSYR	Syracuse NY; C2C AM then local adverts at 0330 including one for Hearth Cabinets in Liverpool	Fr pks	0330	7/2	SW
570	WNAX	Yankton SD; "This is Coast to Coast on AM 5-70 WNAX Yankton"	W	0800	9/2	PC
570	CFBC	Corner Brook NL; C&W music	W	0648	16/2	Rha
570	CKGL	Kitchener ON; weather "5-70 News" "5-70news.com" "Fox Sports Radio"	Fr pks	0804	1./2	SW
570	CMBD	Radio Reloj, Santa Clara; SS time pips, ID; also 23/1	3-4	0708	22/1	SHNx
590	VOCM	St John's NL; C&W music, "VOCM" anns	F	0544	29/1	Rha
590	VOCM	St John's NL; classic country	F/G	044	15/2	Rha
590	CJCL	Toronto ON; "The Fan 5-90" ID & sports	W	0700	16/2	Rha
594		IRIB Shiraz, Iran; Farsi male talk mentioning Iran, politics	F	1717	26/1	Rha
600	WMT	Cedar Rapids IA; "This is News Radio 600 WMT Cedar Rapids"	F	0900	31/1	mah
600	CBNA	Saint Anthony NL; Late Talk Radio	2	0707	22/1	SHNx
600	CMKV	Radio Rebelde, Urbano Noris; Cuban Salsa music // 670 kHz	F	0601	7/2	BD
610	WIOD	Miami FL; with news splash 6-10	W	0635	29/1	Rha
610	СКТВ	St Catherine ON (tent); "This is news talk 6-10 (unclear call)" then "from the national newsroom of the Canadian Press"	W	0700	28/1	PC
610	CHNC	New Carlisle QC; FF anns, pop music and songs	W/F	0452	15/2	Rha
620	WTMJ	Milwaukee WI; "Milwaukee's news, weather and traffic station, News Radio 6-20 WTMJ and WTMJ HD Milwaukee"	,W	0900	31/1	mah

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
620	CKCM	Grand Falls NL; VOCM ID	3-4	2257	22/1	SHNx
620	CKCM	Grand Falls NL; local ID "CKCM Grand Falls Newfoundland	W	0905	29/1	AB
		a Newcap? Communications Radio Station"				
620	CKCM	Grand Falls NL; country music " on line at VOCM.com"	W	2309	11/2	JW
640	CBN	St John's NL; CBC ID, Late Talk Radio	2-3	0704	22/1	SHNx
640	CFMJ	Richmond Hill ON; all male call in show & "AM 6-40 it's 10	W/F	0258	7/2	BD
		o'clock on the nose in Toronto"; last heard and QSLed by me as CFGM on 1320!	5			
650.08	WSM	Nashville TN; C&W music, "WSM" anns	W/Fpks	0421	30/1	Rha
650	WSM	Nashville TN; " country legends WSM Nashville," spots & short "CBS News update"	εW	0501	10/2	BD
650	CKGA	Gander NL; VOCM ID, // 590 kHz, C&W	1-2	0815	22/1	SHNx
660	WFAN	New York NY; ID	2-4	0705	22/1	SHNx
660	WFAN	New York NY; "Sports 66" ID sports reports	W/Fpks	0638	29/1	Rha
660	WFAN	New York NY; sports news and results	W	2302	13/2	JW
660	XEAR	La Mexicana, Tampico; nice full SS ID "Escuchas XEAR La	F	0900	31/1	mah
		Mexicana, 660 kHz el la banda amplitud modulada"				
670	WSCR	Chicago IL; " on Sports Radio 6-70, The Score Chicago's sports station, WSCR HD Chicago" & SNR sports	W	0700	13/2	BD
670	CMQ	Radio Rebelde, Arroyo Arenas; IS & news	F	0700	7/2	BD
680.05	KBRW	Barrow AK; C&W, then light mx to toth when "NPR News and local weather"	W/F	1800	31/1	Rha
680	WRKO	Boston MA; "This is Boston's talk station AM 6-80 WRKO Boston" & Fox News	W	0600	10/2	BD
680.01	CFTR	Toronto ON; CFTR sports mentioning Toronto etc	F	0643	31/1	Rha
690	CBU	Vancouver BC; CBC News with infos of the winter Olympic	W/Fpks	0708	16/2	Rha
700	WLW	Cincinnati OH; news & reports on "WLW 700 News Radio"	W/F	0425	30/1	Rha
700	WLW	Cincinnati OH; Truckers talk show & "News Radio seven hundred WLW Cincinnati"	W	0700	5/2	BD
710	CKVO	Clarenville NL (presumed); country music	W	0758	20/1	JW
710	CKVO	Clarenville NL; VOCM ID	2-3	0850	22/1	SHNx
710	CMBA	Radio Rebelde, 4 sites listed; SS with "echo", //5025 kHz; also 0705 24/1	2-3	2240	22/1	SHNx
720	WGN	Chicago IL; "WGN radio 7-20" heard between BBC pips	W	0800	28/1	PC
720	WGN	Chicago IL; "WGN Chicago" heard in BBC R4 silence	W	0700	23/2	AB
730	CKAC	Montreal QC; FF	2-3	2305	22/1	SHNx
740	CHCM	Marystown NL; VOCM ID, // 590 kHz	2-3	0818	22/1	SHNx
740.01	CFZM	Toronto ON; oldies from the 50s & 60s under Euros	W/F	0522	29/1	Rha
740	CFZM	Toronto ON; "You're listening to CFZM ("Z" pronounced zed) AM7-40 owned and operated by M.E.Z. media incorporated	F	0400	13/2	BD
750	WSB	Atlanta GA; " live on the WSB twenty-four hour" heard in a CBGY gap	ιW	0800	12/2	AB
750	CBGY	Bonavista Bay NL; // 640 kHz; also 1-3 0718 24/1	1-2	0137	25/1	SHNx
750	CBGY	Bonavista Bay NL; with CBC reports	W/F	0651	31/1	Rha
749.98	CBGY	Bonavista Bay NL; CBC reports, "cbc.com" web address	W/F	0643	16/2	Rha
760	WJR	Detroit MI; "WJR 7-60 news" from the Fisher Building Tower, local weather	W/F	0429	30/1	Rha
760	WJR	Detroit MI; "You're on 7-60 WJR Detroit" & local sports	W/F	0300	7/2	BD
760	WJR	Detroit MI; usual Golden Tower toth ID	F	0700	22/2	AB
760	WCHP	Champlain NY; EE religious talk followed by FF talk	F	2200	1/2	PC

ĸHz	0	Station, location; details heard etc	SIO	UTC	Date	Who
770	WABC	New York NY; ABC News updates & reports	W/F	0646	31/1	Rha
770	WABC	New York NY; "New York's 50,000 watt station 77 WABC" & ABC News	W	0400	6/2	BD
780	WBBM	Chicago IL; anns "your news station WBBM now with sports", and "WBBM news" ID	W/F	0713	31/1	Rha
780	WBBM	Chicago IL; sung jingle "News Radio 7-80 WBBM" under heavy BBC Leeds QRM	W	0705	6/2	AB
780	WBBM	Chicago IL; "WBBM weather" & CBS News	W/F	0700	9/2	BD
780	YVMN	Radio Coro, Coro; discos romanticos & "Coro AM Radio Coro 7-80"	F	0457	15/2	BD
790	WAXY	South Miami FL; "This is 7-90 The Ticket WAXY South Miami. A Lincoln Financial Media station" & ESPN sports.	W/F	0400	7/2	BD
790	YVXM	<b>R Minuto, Barquisimeto</b> ; songs and exuberant "Radio Minuto" ID; <b>personal first</b>	W	0702	20/2	AB
800	VOWR	St John's NL; "This is radio station VOWR 800 on your AM dial", slogan "800 Country"	2-3	0840	22/1	SHNx
800	CKLW	Windsor ON; " on AM eight hundred CKLW Windsor it's 2 o'clock" & CP news	W/F	0700	9/2	BD
800	CKLW	Windsor ON; in mix with French station & music (probably VOWR & CHRC) nice ID at 0759	Fr pks	0755	30/1	SW
800	CHRC	Quebec QC; FF, mx	2-3	2300	22/1	SHNx
820	WBAP	Forth Worth TX; "This is News Talk 8-20 WBAP Fort Worth-Dallas"	W/F	0800	28/1	PC
820	WBAP	Fort Worth TX; end of "WBAP 24/7 news" & weather forecast	W/F	0504	6/2	BD
820	WBAP	Fort Worth TX; "This is News Talk 8-20, Fort Worth, Dallas, wbap.com" then WBAP 24-7 news.	F	0700	6/2	AB
820	CMDE	Radio Reloj, Contramaestre; SS rolling news over ticking clock and Morse "RR"	W	0700	18/2	BD
820		TBN, Basseterre, St Kitts "This is the Trinity Broadcasting Network celebrating 36 years of God's (miracles?)	F	0800	30/1	PC
830	WCRN	Worcester MA; 23/1, extreme conservative anti-Obama talk radio, ID, slogan	2-4	0922	23/1	SHNx
830	WCRN	Worcester MA; "This is True Talk AM 8-30 WCRN Worcester Boston; & IRN/USA News	W/F	0700	5/2	BD
830	WCRN	Worcester MA; ID at 0028 then advert for Swiss America. Surprise catch <b>personal first</b>	Fr pk	0028	9/2	SW
840	WHAS	Louisville KY; jingle "84 WHAS Louisville"	F	0800	30/1	PC
840	WHAS	Louisville KY; sung "84 WHAS Louisville" & Fox News	W	0400	6/2	BD
850	WFTL	West Palm Beach FL; "The one station for news talk 8-5-0 WFTL" & ABC News	W	0700	10/2	BD
850	WEEI	Boston MA; ID "ESPN Radio" and "Boston's Sports Radio"	F	0700	20/1	JW
850	WEEI	Boston MA; sport, ID; also 0913 23/1	2-3	2245	22/1	SHNx
870	WWL	New Orleans LA; sports with anns. "The Big 8-70"	W/F	0648	29/1	Rha
880	WCBS	New York NY; WCBS Newstime	3-4	0925		SHNx
880	WCBS	New York NY; CBS News reports from the news center	W/F	0718	31/1	Rha
880	WCBS	New York NY; ads/phone no, "WCBS" IDs	F	0457	15/2	Rha
890	WLS	Chicago IL; ABC News, "WLS" calls & C2C talk show	W/F	0705	6/2	BD
890	WAMG	Dedham MA; "La nueva Mega" ID	W/F	0800	29/1	PC
900		General Arabic Programme, Qurayyat, Saudi Arabia; music, Qur'an	222	2310	29/1	FW

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
900	YVMD	Radio Venezuela Mara Ritmo, Maracaibo; MOR Latin songs,	F/G	0658	18/2	BD
		TC & "Venezuela Mara Ritmo"				
910	WSUI	Iowa City IA; "You are listening to the BBC World Service	P/F	0900	31/1	mah
		Overnight on your (NPR?) news station AM 9-10 WSUI Iowa				
920	KDHL	City" Faribault MN; "This is Radio America"	W	0800	28/1	PC
920 920	CKNX	Wingham ON; "AM 9-20 CKNX" & Canadian Press news	W	0700	28/1 7/2	BD
920 920	YVQX	Radio Nueva Esparta, Porlamar; sports, "Radio Nueva Esparta"		0357	20/2	BD
	-	& spot for company in Porlamar.				
920	UNID	Promotion for Insight for Living programme but fade down at toh	Fr pk	0058	30/1	SW
930	WBEN	Buffalo NY; "News Radio 9-30 WBEN Buffalo" & CBS News	W	0800	1/2	BD
930	CFBC	Saint John NB; oldies, slogan: "Great Time Oldies 93 CFBC"	2-3	0715		SHNx
930	CFBC	Saint John NB; oldies Elvis "Only Fools Rush in"	F	2310	11/2	JW
930	CJYQ	St John's NL; "9-30 AM CJYQ, Radio Newfoundland"	W/F	2133	31/1	PC
936		RTM A, Agadir, Morocco; instrumental music	333	2310	5/2	FW
940	WINZ	Miami FL; "WINZ Miami Fort Lauderdale"	W	0800	30/1	PC
940	CINW	Montreal QC; "On behalf of the management of Corus we would like to inform you that we ceased programming of AM	F	0002	30/1	PC
		9-40 as at 10 o'clock this morning. We will no longer be				
		broadcasting as of 7.15. This" and then dead air				
940	CJGX	Yorkton SK; "CJGX 9-40 AM" heard mixing with WINZ	W	0800	31/1	PC
940	XEQ	e e e e e e e e e e e e e e e e e e e		0300	30/1	PC
939.88	-	Radio Bésame, México DF; "Bésame 9-40 radio" & ballads	F	0459	6/2	BD
950	KJR	Seattle WA; "Seattle's only all-sports station. Your home for	W	0800	6/1	PC
		the Huskies and the () 9-50 KJR"				
950	KJR	Seattle WA; ""Sports Radio 9-50 KJR Seattle", Fox sports talk	W	0700	6/2	BD
950	CFAM	Altona MB; country fiddle music, "This is CFAM news"	W/F	0459	10/2	BD
954		QRTC Arabic, Al Arish, Qatar; infos, "Al Jazeera TV"	222	2310	9/2	FW
960	WSBT	South Bend IN; "… Notre Dame … news, basketball and football. News Talk 9-60 WSBT South Bend"; <b>personal first</b>	W	0800	31/1	PC
960	KMA	Shenandoah IA; "Thanks for listening to KMA 9-60 Shenandoah and KMA FM 99.3 (?) Shenandoah"	W/F	0900	29/1	PC
960	WEAV	Plattsburgh NY; "This it today's talk, thezone960am.com"	F	0706	6/2	AB
970	KQAQ	Austin MN; "Classic Country Legends, 9-70 AM, this is KQAQ Austin Minnesota"	W	0900	29/1	PC
970	WDAY	Fargo ND; mention of "WDAY" and "Moorhead", "Go online to wday.com and click on"	W/F	0700	9/2	PC
980	WITY	<b>Danville IL</b> ; "Advertise here on the station that gets results 9-80 WITY Danville", and then ABC News; <b>personal first</b>	W/F	0900	31/1	mah
980	WITY	<b>Danville IL</b> ; "Keep informed on local news, weather and	W	0800	2/2	PC
		(farm?) information in the mornings the best choice, 9-80 WITY Danville" ABC News; <b>personal first</b>			-	_
980	KKMS	Richfield MN; "AM 9-80 KKMS Richfield Minneapolis St	W/F	0800	28/1	PC
000	WOEV	Paul" Trov NV: "Your home for the NEL Fox Sports 0.90	W/E	0000	20/1	DC
980	WOFX	Troy NY; "Your home for the NFL, Fox Sports 9-80 WOFX, Troy"	W/F	0800	30/1	PC
980	WOFX	Troy NY; "Fox sports 9-80" and "WOFX Troy" ID heard	F	0700	6/2	AB
980	WCUB	Two Rivers WI; "For the new ?? ?? Your kind of country,	W	0800	29/1	JF
		with ?? in the morning, on AM 9-80 WCUB"				

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
980	CFPL	London ON; "listen to Charles Adler, weekdays 1 till 3, only	F	0658	6/2	AB
		on AM 9-80"; personal first				
980	HJES	RCN Cali; chimes IS, "Radio Cadena la radio" & news	F	0501	13/2	BD
981		Alger Chaîne 2, Ouled Fayet, Algeria; music	333	0250	13/2	FW
1000	WMVP	Chicago IL; "Chicago's football station ESPN 1,000 WMVP	W	0700	6/2	BD
		AM and HD" & ESPN sports				
1000	КОМО	Seattle WA; " KOMO worldwide on komonews.com. It's 11 o'clock"; under WMVP	W	0700	29/1	PC
1000	КОМО	Seattle WA; "Komo news" from news center & komo traffic	W/F	0754	31/1	Rha
1010	WINS	New York NY; talk on "wins 10-10" ID	W/F	0455	25/1	Rha
1010	WINS	New York NY; ann & "wins 1010 news" at toth	W/F	0500	15/2	Rha
1010	WINS	New York NY; NY traffic, "more people wake up to 10-10	G	0800	16/2	AB
		WINS than to any other station in the nation"				
1010	CFRB	Toronto ON; "From the News Talk 10-10 broadcast centre in downtown Toronto. It's 3 o'clock"	F	0759	20/1	JW
1010	CFRB	Toronto ON; "News Talk 10-10"	2-3	0819	24/1 \$	SHNx
1020	KDKA	Pittsburgh PA; "News Radio 10-20 KDKA"	W	0800	28/1	PC
1020	KDKA	Pittsburgh PA; " the voice of Pittsburgh News Radio 10-20	F	0300	13/2	BD
		KDKA" & KDKA news				
1020	CMAM	Radio Guamá, Bahía Honda; "En Radio Guamá tres de la madrugada" followed by chimes and "Esta es Guamá, la señal	F	0800	16/2	AB
		sonora de la familia Pinareña"				
1020	YVMX	Radio Calendario, Maracaibo; "Radio Calendario" & bright Salsa music from the "Continente" network	W/F	0500	15/2	BD
1030	WBZ	Boston MA; talk & news updates on "WBZ 10-30"	W	0651	16/2	Rha
1050	WEPN	New York NY; ESPN sports reports, sports talk	W/F	0615	29/1	Rha
1050	CHUM	Toronto ON; ID	2-3	0913		SHNx
1050	CHUM	Toronto ON; "CHUM" ID & tlk about Toronto	2-5 W/F	0642	29/1	Rha
1050	CHUM	Toronto ON; news reports on Toronto "CP24 news"	F	0558	11/2	JW
1050	WBIX	Natick MA; Local Boston adverts in a travel programme called		0020	21/2	SW
1000	WDIX	"Coast to Coast" _ not to be confused with C2C AM!!	1 all	0020	21/2	2 **
1060	WBIX	Natick MA; IRN/USA News & spot for Boston Italian restaurant	F	0702	6/2	BD
1060	WILB	<b>Canton OH</b> ; "Living Bread Radio, Catholic Radio. The truth	W/F	2300	1/2	PC
1000		for North East Ohio"		2000		10
1060	XEEP	Radio Educación, México DF; SS IDs	1-3	0300	25/1 \$	SHNx
1060	XEEP	Radio Educación, México DF; YL with "Esta es XEEP Radio	W/F	0357	18/2	BD
1060	XEEP	Educación" & talk R Educación, Distrito Federal; "XEEP Radio Educación, 1060	G	0702	20/2	AB
		de AM, transmitiendo desde la ciudad de México"				
1070	KNX	Los Angeles CA; "All news all the time. Southern California's only all news radio station", KNX jingle	W	0800	29/1	PC
1070	KNX	Los Angeles CA; " all news radio station 10-70 KNX" &	vW	0700	22/2	BD
1070	CHOV	CBS News	<b>W</b> 7	0554	610	מת
1070	CHOK	Sarnia ON; country music, "CHOK" & Canadian Press news	W W/E	0554	6/2	BD
1070	HJCG	Radio Santa Fé, Bogotá; bright Latin rhythms & "Aquí Radio Santa Fé HJCG 10-70"	W/F	0458	7/2	BD
1070	YVMA	Radio Mundial Zulia, Maracaibo; bright Latin rhythms & "Mundial Zulia"	W/F	0558	16/2	BD

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1071		General Arabic Programme, (presumably Bisha, Saudi Arabia?	333	2255	12/2	FW
		– <i>mah</i> ); music				
1080		Radio Jamahiriyah, Kufra, Libya; various music	444	2300	11/2	FW
	WTIC	Hartford CT; IDs, News Talk, "News never stops"	2-4	0700		SHNx
1080	KRLD	Dallas TX; "Voted best in America, live and local this is news	F	0800	1/2	PC
		radio 10-80 KRLD AM and HD, KRLD FM HD2, Dallas Fort Worth"				
	WBAL	Baltimore MD; ID	1-2	0224		SHNx
1090	WBAL	Baltimore MD; talk show & "The latest news now on WBAL Baltimore and wbal.com"	F/G	0457	15/2	BD
100	WTAM	Cleveland OH; "Cleveland's home for talk news radio this is The Big One WTAM 11 hundred" & WTAM news	G	0500	15/2	BD
100	WTAM	Cleveland OH; "News radio 11-00 WTAM 11 hundred"	G	0048	15/2	SW
110	KFAB	Omaha NE; "Omaha's news, weather and traffic(?) 11-10 KFAB Omaha"	W	0900	29/1	PC
120	WBNW	Concord MA; "You're listening to the Money Matters Radio Network WBNW 11-20 Boston,"	F	0900	3/2	mah
120	KMOX	St Louis MO; "Mid America's trusted voice for news. News Radio 11-20 KMOX, KMOX HD Saint Louis."	W/F	0800	28/1	PC
120	KMOX	Saint Louis MO; commercials & sports talk "News Talk" ID	F	0704	31/1	Rha
120	KMOX	St. Louis MO; "News Radio KMOX and KMOX HD Saint Louis" & CBS News	W/F	0700	6/2	BD
130.03	KWKH	Shreveport LA; country music & "We are the home of the legends KWKH Shreveport"	W/F	0402	10/2	BD
130	KFAN	Minneapolis MN; ESPN Radio, promo "… weekday mornings from 6 till 9 on AM 11-30 KFAN"	W/F	0800	1/2	PC
130	WBBR	New York NY; money market talk on "Bloomberg TV"	W/Fpks	s 0608	29/1	Rha
130	WBBR	New York NY; "Bloomberg News"	W/Fpks	s 0631	16/2	Rha
130	CKWX	Vancouver BC; Vancouver Job Center, QRM from WBBR	1-2	0945	24/1 \$	SHNx
130	CKWX	Vancouver BC; "News 11-30" news& developments	W/F	0804	31/1	Rha
130	CKWX	Vancouver BC; news about the Olympic Games, ID "CKWX a Rogers Division station"	W/F	0720	16/2	Rha
140	WQBA	Miami FL; SS ID WQBA, "La Voz de Miami"	1-3	0642	22/1	SHNx
140	WQBA	Miami FL; SS current affairs & YL with "This is WQBA 11-40 AM Miami"	W/F	0700	5/2	BD
140	WQBA	Coral Gables FL; bilingual ID "WQBA 11-40 AM, Miami"	W	0801	16/2	AB
140	WQBA	Miami FL full Id possibly best signal ever from this station!	Vg	0740	1/2	SW
140	CBI	Sydney NS; IS & CBC News	W/F	0800	5/2	BD
150	WHBY	Kimberly WI; "This is The Voice of the Fox Cities News Talk 11-50 WHBY" & CBS News	W/F	0700	6/2	BD
150	WHBY	Kimberly WI; "on News Talk 11-50 WHBY, Kimberley, Appleton, Fox Cities" then CBS News	F	0800	9/2	AB
150	CKOC	Hamilton ON; oldies noted over WHBY's news & tlk	W/F	0710	31/1	Rha
150	CJRC	Gatineau QC; soft FF pops // 610 kHz	W	0600	15/2	BD
160	WYLL	Chicago IL; "wyll.com" & SRN News	W	0300	6/2	BD
160	WYLL	Chicago IL; "Chicago's Christian talk, WYLL Chicago, streaming on line at wyll.com" – regular in early February	W	0700	12/2	AB
160	KSL	Salt Lake City UT; "KSL News Radio, ?FM and 11-60 AM"	W	0900	29/1	AB
160	KSL	Salt Lake City UT (presumed); mention of Utah weather at 09:04:50, mixing WYLL	W	0900	28/1	JF

Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
WWVA		W	0500	6/2	BD
	•				
WOWO		W/F	0800	30/1	PC
WOWO		W	0400	13/2	BD
					AB
					PC
	WRTO HD3 in Chicago"; SS accent and hard to tell if it was all		0000	2771	10
WRTO	-	G	0900	31/1	mah
	AM Telefutura Chicago. This is WRTO AM Chicago WOJO HD3 Evanston Chicago. La Tremenda 1,200 AM su fuente de				
NWON		XX / (F)	0.600	01/1	Ы
	•				Rha
WKOX	Boston's new home for Coast-to-Coast" then another PSA for	G	0800	16/2	AB
WOAT		<b>W</b> 7	0000	1/2	חח
	Antonio's news and weather station", Fox News				BD
					AB
					Rha
	Cleveland, WHKZ Warren"; fair in 1215 splatter		0800	1/2	PC
WSBB	New Smyrna Beach FL; "You're listening to the news (?), AM 12-30 WSBB New Smyrna Beach, Daytona Beach. CNN news starts right now"; at same time, 20 miles away, K Baird was hearing WTKG Grand Rapids and D Hamilton was hearing Latin American music! <b>Personal first</b>	W/F	0800	6/2	PC
WJOB	Hammond IN; "WJOB AM 12-30" heard in mix; tnx mah;	W	0800	9/2	PC
	personal first				
	*				PC
		-			Rha
					PC
WTIV		W	0000	1/2	PC
XETVH	Villahermosa, Tabasco, México; Mexican accordion music	W	0703	12/2	AB
	and ID " Tabasco, XETQE, 1120, con 20,000 watts de potencia, oficinas Prolongación Avenida 27 de Febrero 1001				
	-		0000	01/1	DC
	being relatively clear; KDIX ND?				PC
CKIM	Baie Verte NL; "6-20 CKDM Grand Falls Windsor, at 14-20 CKIM Baie Verte, a NewCap (Enfield?) Communications radio station"	Fpks	0902	3/2	mah
	Station				
WGAM	Manchester NH; "This is WGAM Manchester, WGHM Nashua, The Game" then ESPN Sports Centre; rare here	W	0700	6/2	AB
	WWVA WOWO WUIB WRTO WRTO WRTO WRTO WKOX WKOX WKOX WKOX WKOX WKOX WKOX WKO	<ul> <li>to you by your local Toyota dealers and News Talk 11-90 wowo"</li> <li>WOWO Fort Wayne IN; "wowo" "WOWO Fort Wayne" &amp; Fox News</li> <li>WLIB New York NY; inspirational music "11-90 WLIB New York"</li> <li>WRTO Chicago IL; "La Tremenda This is WRTO in Chicago. WRTO HD3 in Chicago"; SS accent and hard to tell if it was all in EE or not - "en" or "in"; personal first</li> <li>WRTO Chicago IL; SS/accented EE ID " por La Tremenda 1,200 AM Telefutura Chicago. La Tremenda 1,200 AM Su fuente de información"; best I've heard this</li> <li>WKOX Newton MA; "La Rumba" music - no sign of CFGO</li> <li>WKOX Newton MA; SI D "Rumba 1200"</li> <li>WKOX Newton MA; adoption PSA then "1200 WKOX Newton, Boston's new home for Coast-to-Coast" then another PSA for stroke; format change</li> <li>WOAI San Antonio TX; "News Radio twelve hundred WOAI San Antonio TX; "News Radio 1200 WOAI" ID, then news</li> <li>CFGO Ottawa ON; Sports Radio</li> <li>CFGO Ottawa ON; Sports Radio</li> <li>CFGO Ottawa ON; Iive sports on Toronto sports</li> <li>WHKW Cleveland OH; OM "on AM 12-20 The Word" YL "WHKW Cleveland, WHKZ Warren"; fair in 1215 splatter</li> <li>WSBB New Smyrna Beach FL; "You're listening to the news (?), AM 12-30 WBB New Smyrna Beach, Daytona Beach. CNN news starts right now"; at same time, 20 miles away, K Baird was hearing WTKG Grand Rapids and D Hamilton was hearing Latin American music! Personal first</li> <li>WJOB Hammont IN; "WJOB AM 12-30" heard in mix; tnx mah; personal first</li> <li>WSOO Sault Ste Marie MI; "WSOO Sault Ste Marie's sports leader"</li> <li>WCMC Wildwood NJ; news, RuCMC" anns, then adult standards</li> <li>WHUC Hudson NY; "12-30 WHUC" heardbut not much else!</li> <li>WTIV Titusville PA; " WFRA AM Franklin, WTIV Titusville</li></ul>	<ul> <li>WWVA Wheeling WV; "The Big One, News Radio 11-70 WWVA W Wheeling" &amp; WWVA weather forecast</li> <li>WOWO Fort Wayne IN; Toyota car recall notice "This message brought W/F to you by your local Toyota dealers and News Talk 11-90 wowo"</li> <li>WOWO Fort Wayne IN; "wowo" "WOWO Fort Wayne" &amp; Fox News W</li> <li>WLB New York NY; inspirational music "11-90 WLIB New York" F</li> <li>WRTO Chicago IL; "La Tremenda This is WRTO in Chicago. W</li> <li>WRTO HD3 in Chicago"; SS accent and hard to tell if it was all in EE or not - "en" or "in"; personal first</li> <li>WRTO Chicago IL; S/S/accented EE ID " por La Tremenda 1,200 G</li> <li>AM Telefutura Chicago. La Tremenda 1,200 AM su fuente de información"; best I've heard this</li> <li>WKOX Newton MA; "La Rumba" music - no sign of CFGO W/F</li> <li>WKOX Newton MA; SI D "Rumba 1200" 2-5</li> <li>WKOX Newton MA; adoption PSA then "1200 WKOX Newton, G Boston's new home for Coast-to-Coast" then another PSA for stroke; format change</li> <li>WOAI San Antonio TX; "News Radio 1200 WOAI San Antonio TX; "News Radio 1200 WOAI San Antonio TX; "News Radio 1200 WOAI San Antonio TX; "News Radio 1200 The Word" YL "WHKW F Cleveland OH; OM " on AM 12-20 The Word" YL "WHKW F Cleveland OH; OM " on AM 12-20 The Word" YL "WHKW F Cleveland OH; OM " on AM 12-30 The Word" YL "WHKW F Cleveland OH; WJOB AM 12-30" heard in mix; tnx mah; W personal first</li> <li>WJOB Hammond IN; "WJOB AM 12-30" heard in mix; tnx mah; W Sersonal first</li> <li>WJOB Hammond IN; "WJOB AM 12-30" heard in mix; tnx mah; W WYG Grand Rapids and D Hamilton was hearing WTKG Grand Rapids and D Hamilton was hearing WTKG Grand Rapids and D Hamilton was hearing with G Grand Rapids and D Hamilton was hearing WTKG Grand Rapids and D Hamilton was hearing UTAssica XETYH Villahermosa, Tabasco, Mexico; Mexicon Auconda 27 de Febrero 1001 Tabasco"; personal first</li> <li>WIDW 'Classic Country (then call)", sounded like "KUEX" with KX W being relatively clear; KDIX ND?</li> <li>CKIM Baie Verte NL; "6-20 CKDM Gran</li></ul>	WWVA       Wheeling WV; "The Big One, News Radio 11-70 WWVA       W       0500         Wheeling" & WWVA weather forecast       WOWO       Fort Wayne IN; Toyota car recall notice "This message brought W/F       0800         to you by your local Toyota dealers and News Talk 11-90       W/F       0800         WOWO       Fort Wayne IN; "wowo" "WOWO Fort Wayne" & Fox News       W       0400         WLIB       New York NY; inspirational music "11-90 WLIB New York"       F       0702         WRTO       Chicago IL; "La Tremenda This is WRTO in Chicago.       W       0800         WRTO       Chicago IL; "La Tremenda This is WRTO in Chicago.       W       0800         WRTO       Chicago IL; S/saccented EE ID " por La Tremenda 1,200       G       0900         AM Telefutura Chicago. La Tremenda 1,200 AM su fuente de información"; best I've heard this       WKOX       Newton MA; "La Rumba" music - no sign of CFGO       W/F       0630         WKOX       Newton MA; solptin PSA then "1200 WKOX Newton, Boston's new home for Coast-to-Coast" then another PSA for stroke; format change       WOAI San Antonio TX; "News Radio twelve hundred WOAI San W       0800         CFGO       Ottawa ON; Bive sports and Toronto sports       F       0726         CFGO       Ottawa ON; Bive sports on Toronto sports       F       0726         WHKW       Cleveland OH; OM "on	WWVAWheeling WV; "The Big One, News Radio 11-70 WWVAW05006/2WOWOFort Wayne IN; Toyota car recall notice "This message brought W/F080030/1to you by your local Toyota dealers and News Talk 11-90wowo"30/1WOWOFort Wayne IN; "wowo" "WOWO Fort Wayne" & Fox NewsW040013/2New York NY; inspirational music "11-90 WLIB New York"F0702WRTOChicago II.; "La Tremenda This is WRTO in Chicago.W0800WRTOChicago II.; "La Tremenda This is WRTO in Chicago.W0800HD3 in EE or not - "en" or "in"; personal firstWRTO060031/1AM Telefutura Chicago. La Tremenda 1,200 AM su fuente de información"; best I've heard thisWROX Newton MA; SI D "Rumba 1200"2-50719WKOXNewton MA; adoption PSA then "1200 WKOX Newton, Boston's new home for Coast-to-Coast" then another PSA for stroke; format change08001/2MOAISan Antonio TX; "News Radio twelve hundred WOAI San Antonio's news and weather station", Fox News08001/2CFGOOttawa ON; Sports Radio1-3080524/1 1CPGOOttawa ON; Sports Radio1-3080524/1 2Cleveland OH; OM " on AM 12-20 The Word" YL "WHKWF08001/2Cleveland OH; OM " on AM 12-20 The Word" YL "WHKWF08001/2Cleveland OH; OM " on AM 12-20 heard in mix; tnx mah;08009/2USBBNew Smyrna Beach, L; "You're listening to the news (?), AMW/F 08006/212-30 WSBB New Smyrna Beach, Daytona

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1260	WMKI	Boston MA; Radio Disney "WMKI and WMKI HD1 Boston"	W/F	0800	1/2	PC
1260	WPNW	Zeeland MI; " on 12-60 The Pledge. The Talk of West	W/F	0800	6/1	PC
		Michigan. 12-60 WPNW Zeeland, (location?), Grand Rapids"				
1270	WMKT	Charlevoix MI; commercial, then "12-70 AM, 92-1 FM,	W	0906	29/1	AB
		WMKT" ID.				
1270	WMKT	Charlevoix MI; "It's 3 o'clock at 12-70 AM WMKT	W/F	0800	1/2	PC
		Charlevoix, Traverse City and (?) and 92 1 FM"				
1270	WTSN	Dover NH; " online at wtsnam1270.com" & ABC News	W	0700	6/2	BD
1280	WWTC	Minneapolis MN; "From the most intelligent voice in America	F	0800	29/1	PC
		this is AM 12-80 The Patriot. Intelligent Radio"				
1280	WCMN	Arecibo PR; "Notiuno 6-30"	W/F	0800	2/2	PC
1280	WCMN	Arecibo PR; usual SS call in show with a "WUNO" network ID	F	0348	7/2	BD
1290	WIRL	Peoria IL; "Made and recorded right here in the good old USA	Fpks	0905	31/1	mah
		heard only on Classic Country 12-90 WIRL"				
1290	KKAR	Omaha NE; "Only on News Radio 12-90, K-kar, KKAR,	W	0900	29/1	AB
		Omaha" ID				
1290	WKBK	Keene NH; "This is? station, AM 12 Hundred WKBK	F	0600	6/2	JF
		Keene" CBS News				
1290	CFRW	Winnipeg MB; country mx "You're listening to 12-90 CFRW	F	0801	9/2	PC
		Winnipeg. A Chum radio station"				
1290	CFRW	Winnipeg MB; usual musical offerings "You're listening to 12-	F	0658	21/2	AB
		90 CFRW Winnipeg, a CHUM radio station"				
1290	CJBK	London ON; unusual toth ID "CJBK-AM London, News Talk	vW	0800	21/2	AB
		12-90" – had me fooled for a while	_			
1290	XEDA	Radio Trece, DF; "Radio Trece noticias"	F	0700	20/2	AB
1290	YVLF	Radio Puerto Cabello, Puerto Cabello; MOR Latin songs &	W/F	0458	18/2	BD
1000		"Radio Puerto Cabello"		1.100	<b>.</b>	~~~~
1296	WGL O	Radio Ashna/VOA, Pol-e-Charkhi, Afghanistan; ID	3-4	1430		SHNx
1300	KGLO	Mason City IA; "KGLO" heard in amongst WOOD ID	W	0800	6/1	PC
1300	WOOD	Grand Rapids MI; "News Radio thirteen hundred WOOD	W	0800	1/2	BD
1000		Grand Rapids" & Fox News	-			
1300	WOOD	Grand Rapids MI; "News Radio 1300 WOOD Grand Rapids"	F	0800	21/2	AB
1300	WGDJ	Rensselaer NY; WGDJ the Capital Region's Talk 1300"	F	0800	7/2	PC
1300	WJMO	Cleveland OH; ID: "1300 AM Praise Cleveland dot com"	3-4	0835		SHNx
1310	WLOB	Portland ME; "95.5 – 95.5 News Talk WLOB"	2-4	0933		SHNx
1310	WLOB	, <b>I</b>	F	0800	27/1	JF
1010	TI LO LI	1305 splash; also mentioning wlobradio.com		000	0011	DC
1310	KNOX	Grand Forks ND; "Employee owned and operated this is Talk	W/F	090	29/1	PC
		Radio 13-10 KNOX Grand Forks. Your (?) Jewellery Diamond				
1210		time is 3 o' clock"	<b>XX</b> 7	0000	20/1	DC
1310	WIBA	Madison WI; "News Talk 13-10 WIBA Madison"	W	0800	29/1	PC
1310	CIWW	Ottawa ON; oldies & "CIWW Ottawa Oldies 13-10 a division	W/F	0801	11/2	BD
1220	мл с	of Rogers Communications."	<b>W</b> 7	0700	<u>)</u> 1/)	۸D
1320	WILS	Lansing MI; toth ID "WILS Lansing" then Fox News Radio	W E	0700	21/2	AB PD
1320	CJMR	Mississauga ON; Punjabi music and news	F Foir	0755	5/2	BD SW
1320	CJMR	Mississauga ON; "You're listening to overnight oldies" then	Fair	0801	1./2	SW
1220	VUUD	CJMR full ID Radio Apolo Turmaro: MOR Latin rhythms & "Apolo"	W/E	0459	210	חת
1320	YVWP	Radio Apolo, Turmero; MOR Latin rhythms & "Apolo"	W/F	0458	7/2	BD SUN <sub>w</sub>
1330	WRCA	Watertown MA; nostalgia mx; also 1-3 0730 24/1 w ID	2-3	0805	23/13	SHNx

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1330	WTRX	Flint MI; difficult ID " right here 13-30 WTRX Flint	W	0900	31/1	mah
		City"; personal first				
1330	WLOL	Minneapolis MN; "Bridging the gap between faith and everyday	vG	0900	29/1	AB
		life in the Twin Cities, it's Relevant Radio 13-30 WLOL				
1000		Minneapolis Saint Paul. Relevant Radio for the Twin Cities"		0000	0011	DC
1330	WLOL	Minneapolis MN; "This is Relevant Radio for the Twin Cities,	W/F	0900	29/1	PC
1220	WENINI	WLOL Minneapolis Saint Paul"		0700	0/2	חח
1330	WFNN	Erie PA; "This is Fox Sports Radio WFNN Erie, The Fan" & Fox sports	W/F	0700	9/2	BD
1330	WFNN	Erie PA; toth ID "This is Fox Sports Radio WFNN Erie The		0800	9/2	AB
1550	VV I 'I NI N	Fan" then Fox Sports News	W	0800	512	AD
1330	WYRD	-	F	0800	16/2	AB
1550	WIRD	comparison with web stream indicates reference to WORD	1	0000	10/2	<i>n</i> <b>D</b>
		106.3, WORD 950 and WYRD 1330; personal first and not				
		reported in UK since pre-1965				
1350	WOYK	York PA (tent); sport	1-2	0220	25/1	SHNx
1360	WDRC	Hartford CT; ID, promo	2-4	0803		SHNx
1360	WDRC	Hartford CT; "This is the talk of Connecticut WDRC AM 13-	W/F	0700	6/2	BD
		60 Hartford" & AP News				
1360	KSCJ	Sioux City IA; "This is KSCJ Weather brought to you by Briar	F	0905	29/1	AB
		Cliff University, here in Sioux City. Spring actually starts 1 <sup>st</sup>				
		March"				
1360	KSCJ	Sioux City IA; " news and talk leader for over 80 years. This	W/F	0900	31/1	mah
		is KSCJ" heard in the toth mix; personal first				
1360	WKMI	Kalamazoo MI (presumed); " streaming worldwide,	W/F	0900	31/1	mah
		Kalamazoo" hrd in toth mix of WTAQ, WDRC and KSCJ				
1360	WTAQ	Green Bay WI; "On News Radio 13-60 WTAQ" heard, then	W	0900	29/1	AB
		reference to Green Bay				
1360	WTAQ	Green Bay WI; "News Radio 13-60 WTAQ"	W	0900	29/1	PC
1370	WDEA	Ellsworth ME; ID "AM 1370 WDEA, NOS mx 'The Music of	2-3	0915	22/1	SHNx
1200		Your Life'		0000	00/1	DC
1380	WABH	Bath NY; "13-80 WABH Bath, a Robert Pfuntner station"	W/F	0800	28/1	PC
1380	WABH	Bath NY; "13-80 WABH Bath, a ??? station, and its ? at	F	0800	28/1	JF
1200.01	VOTA	Pembrook Pines " etc; personal first	<b>F</b> -1	0000	21/1	DI.
1380.01	КОТА	Rapid City SD; C2C talk, at 0800 "The Black Hills information	Fpks	0800	31/1	Rha
		superstation KOTA Rapid City it's 10'clock KOTA Rapid City" and CBS News; <b>personal first</b>				
1380	CKPC	Brantford ON; "13-80 CKPC" heard over news headlines from	W	0800	28/1	JF
1300	CKIC	another station"; personal first	vv	0800	20/1	JI
1380	XECO	Romántica 1380; ID heard "XECO Romántica 13-80"; call sign	W	0659	21/2	AB
1500	ALCO	differentiates it from XERS	••	0057	21/2	AD
1386		Tianjin PBS, China; CC ID	2-4	1440	24/1	SHNx
1390	WEGP	Presque Isle ME; "It's 4 AM and you're listening to Talk of the		0900		SHNx
1570	WE01	County. Stay tuned for the final hour of Coast to Coast right	1 2	0700		
		here on 1390 WEGP"				
1390	WLCM	Holt MI; "Victory 13-90 WLCM Holt, Michigan" then news	W	0900	29/1	AB
1390	WFBL	Syracuse NY; "WFBL Syracuse" ID	W	0900	29/1	PC
1390	WFBL	Syracuse NY; "13-90 WFBL Syracuse"; earlier mention of	F	0700	20/2	AB
		"KNY talk radio"				
1390	WRIG	Schofield WI (pres); Fox sports tlk, football requests	W	0648	21/1	Rha

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1390	WRIG	Schofield WI; "13-90 WRIG Schofield Wausau, a service of	W	0800	28/1	PC
1410	KNTX	Midwest Communications" Bowie TX; "We are Oldies Radio 14-10 KNTX Bowie	W	0800	1/2	PC
1110		Nocona"; had given up on this as an UNID but went back to it		0000	1, 2	10
		and thought I heard 'KNTX'; however it didn't sound like				
		'Bowie' but webstream confirms ID and Bowie is pronounced				
1410		'Boo-i'; <b>personal first</b>	<b>W</b> 7	0000	20/1	DC
1410 1410	WIZM CFTE	La Crosse WI; "News Talk 14-10 WIZM" Vancouver BC; ID	W 1-2	0900 1003	29/1	PC SHNx
1410 1420	WOC	Davenport IA; "News Talk 14-20 WOC Davenport quad cities"		0700	6/2	BD
1420	woe	& Fox News	••	0700	0/2	DD
1420	KTOE	Mankato MN; jingle " 14-20 KTOE Mankato"; WOC also audible	F	0800	1/2	PC
1430	WNSW	Newark NJ; "Newark, New York City" heard in the toth ID -	W	0800	29/1	JF
		very tricky; thanks to Paul C for listening too, who also heard the references to Newark and New York City				
1430	KLO	Ogden UT; "KLO CBS for the Mountain West" was all that	W	0900	29/1	AB
1150	RL0	was heard	•••	0700	27/1	7 ID
1430	KLO	Ogden UT; "talk 14-30 KLO Salt Lake City. CBS for the Mountain West"	W/F	0900	29/1	PC
1430	WDIC	Mountain West" <b>Clinchco VA</b> ; "Proudly serving the coalfields of southwest	W/F	0900	27/1	PC
1100		Virginia and eastern Kentucky since 1950 we are AM 14-30		0700	2//1	10
		WDIC Clinchco, Virginia, U-S-A"; personal first				
1440	WMAX	Bay City MI; "14-40 AM WMAX Saginaw, Bay City	W	0800	1/2	PC
		(Midland?)"; above digital noise; <b>personal first</b>				
1440	WHKZ	Warren OH; "WHKW Cleveland, WHKZ Warren" calls heard just before Luxembourg went into DRM mode	W	0700	21/2	AB
1450	WATZ	Alpena MI; "You're listening to news, talk, sports, AM 14-50	W	0900	29/1	AB
1.00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	WATZ, Alpena" then CBS News; personal first		0700	_// 1	112
1450	VSB1	Hamilton, Bermuda; "It's 3 o' clock. 14-50 AM Gold	W	0800	7/2	PC
1450	VCD 1	another visit to the 40s, 50s and 60s"	<b>W</b> 7	0001	16/0	۸D
1450	VSB1	Hamilton, Bermuda; Elvis' Wooden Heart and "14-50 AM Gold" ID	W	0801	16/2	AB
1460	KXNO	Des Moines IA; "This is Fox Sports Radio 14-60 KXNO"	vW	0900	29/1	PC
1460	WHIC	Rochester NY; "Thank you for listening to 14-60 AM WHIC	W	0801	19/2	AB
		Rochester"				
1467		TWR, Bishkek, Kyrgyzstan; IS and religious song	2-4	1600		SHNx
1470	WWNN	Pompano Beach FL; "WWN Pompano Beach"; also 2300 8/2 with "South Florida's all-new Health and Wealth Network" ID	W	2300	7/2	PC
1470	WWNN	Pompano Beach FL; electronic crescendo IS, "WWNN	W/F	0200	18/2	BD
		Pompano Beach" & finance talk show				
1470	WWNN	1 '	W	0704	22/2	AB
		Pompano Beach; WSBR Boca Raton" during politics				
1470	W/LAM	discussion on the Steve Kane show Lewiston ME; Oldies Channel	2-3	0825	24/1	SHNx
1470 1470		Lewiston ME; oldies channel Lewiston ME; oldies programming with "WLAM" anns	2-3 F	0823	31/1	Rha
1470		Lewiston ME; oldies programming with WEAW and S Lewiston ME; oldies channel	W/Fpks		16/2	Rha
1470	YVSY	Radio Vibración, Carúpano; "la hora en Vibración, las tres y	F	0805	16/2	AB
, 0	~ 1	treinta-cinco minutos"	-			
1480	WSAR	Fall River MA; ID, "Number one for news and talk"	1-2	0830	22/1	SHNx

kHz	0	Station, location; details heard etc	SIO	UTC	Date	Who
480	WSAR	Fall River MA; wx ending "for news and talk, 14-80 WSAR"	F	0704	12/2	AB
480	WGVU	Kentwood MI; "Real Oldies" in the ID and mention of Grand Rapids, which would fit with WGVU	W	0800	28/1	JF
480	WGVU	Kentwood MI; "on the web at realoldies1480.com"	W	0704	6/2	AB
	WGVU	Kentwood MI; "Real Oldies is WGVU AM Kentwood and	F	0801	6/2	PC
		WGVS AM (location?) a service of Grand Valley State University () public broadcast center in downtown Grand Rapids"				
1480	WGVU	Kentwood MI; oldies, "WGVU AM Kentwood and WGVS AM Muskegon. Real oldies 14-80 and 8-50" & NPR News	W/F	0757	9/2	BD
1480	WGVU	Kentwood MI (presumed); traces of oldies	W	0626	16/2	Rha
480	WHBC	Canton OH; " on News Talk 14-80, News Talk 14-80 (sic) WHBC Canton"	W	0900	29/1	PC
480	WLMV	Madison WI; "14-80 AM La Movida. WLMV Madison. La Movida" OM and YL sharing announcement	W/F	0900	31/1	PC
490	WBAE	Portland ME; usual multi-station ID	W	0000	1/2	PC
490	UNID	Very weak Fox Sports ID heard	vW	0900	29/1	PC
500	WFIF	Milford CT; "AM 15-hundred WFIF Milford. It's 5 o' clock"	W/F	2200	8/2	PC
1500	WFED	Washington DC; ID and 'FEDtalk' ann	1-2	0756	22/1	SHNx
1500	WFED	Washington DC; ID "Federalnewsradio.com on the World wide web"	W	0700	9/2	JW
1500	WFED	Washington DC; sports news on "Federal News Radio"	F/G	0617	16/2	Rha
1500	WLQV	Detroit MI; "This is Faith Talk 15-hundred, WLQV Detroit"	W	1000	29/1	PC
1500	WLQV	Detroit MI; religious talk on "Faith Talk 15-00"	W/Fpks	0615	21/2	Rha
500	KSTP	St Paul MN; "AM 15-hundred KSTP Saint Paul"	W	0900	28/1	PC
500	XEDF	Mexico DF; "Grupo Formula" ID	W	0800	6/2	PC
510	KCKK	Littleton CO; "Mile High Sports Radio, 15-10 KCKK Littleton Denver"	F	0900	28/1	JF
1510	KCKK	Littleton CO; "Denver's sports station. Mile High Sports Radio 15-10 Littleton Denver"	F	0900	29/1	PC
1510	WWZN	Boston MA; environment show on "Boston's talk"	F	0637	21/1	Rha
1510	WWZN	Boston MA; talk, ID "15-10 WWZN Boston"	222	0515	31/1	FW
1510	WLAC	Nashville TN; "15-10 WLAC and WLAC HD3, Nashville's home for Fox News"	W/F	2300	5/2	PC
1510	WLAC	Nashville TN; "WLAC" ID heard on top of the mix, plus programme trailer	F	0700	25/11	JF
1510	KGA	Spokane WA; Fox sports talk noted - no sign of WWZN now!	F	0651	29/1	Rha
1520	KOLM	<b>Rochester MN</b> ; "Sports Radio 15-20 The Ticket. KOLM AM Rochester", under WWKB (10kW/800W); <b>personal first</b>	W	0900	31/1	PC
518.90	WWKB	Buffalo NY; "The Joey Reynolds Show", toth ID "this is WWKB" with CNN Radio news; drifting below the normal frequency of 1520 kHz!	F/G	0700	21/1	Rha
1520	WWWK	Buffalo NY; ID "15-20 AM" after ads	W	2300	8/2	JW
519.90	WWKB	Buffalo NY; CNN News & weather	F	0610	16/2	Rha
520	KOKC	Oklahoma City OK; "AM 15-20 K-OKC Oklahoma City" heard under WWKB	W	0800	1/2	PC
1520	HJLI	JC Pasión Extrema, SF de Bogotá; "presentamos el pastor Eduardo Caños Estrada, desde la comunidad cristiana manantial con un mensaje de esperanza"; address given as Av. Calle 70-79, which is shared by the church and HJLI!	Fpks	0800	16/2	AB

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
521		CRI Urumqi, China; RR talk "Radio Kitaya" ID	F/G	1540	16/2	Rha
530		VOA Pinheira, São Tomé; Yankee Doodle Dandy IS, TS & EE sign on	F	0259	15/2	BD
1530	WCKY	Cincinnati OH; "You're listening to the 50,000 watt home of the Bengals WCKY Cincinnati, The Homer"	F	0800	9/2	PC
540	KXEL	Waterloo IA; "News Talk 15-40 KXEL"	1-2	1005	24/2	SHNx
540	CHIN	Toronto ON; non-stop reggae, EE ID; also 2-3 0755 22/1 in II	3-4	0935	24/1	SHNx
550	CBE	Windsor ON; programmes from Radio International, CBC ID; also 24/1	2-4	0800	23/1	SHNx
557		WYFR Family Radio, Kouhu, Taiwan; EE ID	1-4	1602	23/1	SHNx
557		WYFR Kouhu, Taiwan; God's word & praises, choir songs and "Family Radio" anns	W/F	1604	24/1	Rha
560	WQEW	New York NY (presumed); Disney pops	W	0801	20/1	JW
560	WQEW	New York NY; ads on Radio Disney, pop music	W/Fpks	0458	25/1	Rha
560	KGOW	Bellaire TX; " only independent sports radio station in Houston. KGOW 15-60 AM Bellaire Texas"	W/F	0800	6/2	PC
560	KGOW	Bellaire TX; behind WQEW was heard "independent sports radio this is KGOW Bellaire, Texas"	W	0700	22/2	AB
570	WBGX	Harvey IL; "AM 15-70 WBGX, Harvey(?), Chicago"; personal first	W/F	0800	9/2	PC
570	WNSH	Beverly MA; "AM 15-70 WNSH"	W/F	2200	7/2	PC
570	KVTK	Vermillion SD; "This is Sports 15-70 KVTK" hrd behind CFAV	vW	0900	29/1	AB
570	CKMW	Morden Winkler MB; "15-70 CKMW" heard very weakly, but thanks to Paul C's recording I can hear the whole phrase: "Proud to serve Winkler, Morden and the communities of the Heartland, Country 15-70 CKMW"	vW	0900	28/1	JF
570	CKMW	Morden Winkler MB; "Proud to serve Winkler, Morden and the communities of the Heartland, Country 15-70 CKMW"	εF	0900	29/1	PC
1570	CKMW	Winkler MB; "Country 15-70 CKMW" heard behind KVTK	F	0906	29/1	AB
570	CFAV	Laval QC; FF announcements/talk, pop music/songs	W/F	0715	21/1	Rha
570	CFAV	Laval QC; FF/EE pops, "Boomer"	2-3	0724	22/1	SHNx
570	XERF	Ciudad Acuña; full ID "XERF La Poderosa 15-70. 100,000 watts de potencia Ciudad Acuña México"	F	0800	6/2	PC
570	XERF	Ciudad Acuña; another of the OM/YL conversational IDs	F	0700	21/2	AB
570	UNID	SS <u>www.radio22.??</u> – Mexico?	1-2	0731	22/1	SHNx
575		VOA Ban Rasom, Thailand; EE ID, Yankee Doodle, program for Myanmar	2-4	1430	22/1	SHNx
580	CKDO	Ottawa ON;, "You're listening to the greatest rock'n'roll of all time on CKDO"	3-4	0740	22/1	SHNx
580	CKDO	Oshawa ON; "Broadcasting from Oshawa Ontario Canada on a frequency of 15 hundred and 80 kHz. and 107.7 MHz you are listening to CKDO" & oldies	F	0700	18/2	BD
1590	WVNA	Tuscumbia AL; "WVNA Tuscumbia, the Voice of North Alabama"	W	0800	2/2	PC
590	WARV	Warwick RI; "15-90 AM WARV, Warwick-Providence" ID over the DRM hash	W	0700	12/2	AB
600	WKWF	Key West FL; "Sports Radio 1600, the Home of the Conchs"	W	0800	12/2	AB

kHz	0	Station, location; details heard etc	SIO	UTC	Date	Who
1600	KGYM		F	0900	30/1	AB
		morning and Imus in the afternoon, this is KGYM and KGYM				
		HD3 Cedar Rapids, 1600 ESPN Radio"; personal first				
1600	WUNR	Brookline MA; SS, Radio Internacional ID	1-3	0145		SHNx
1600		Ann Arbor MI; "WAAM Ann Arbor" ID	W	0800	29/1	PC
1600	WAAM	Ann Arbor MI; "This is Talk sixteen hundred WAAM Ann Arbor" & Fox News	W	0800	9/2	BD
1600	WPHP	Watertown MN; Hmong singing	W/F	0900	30/1	PC
1600	UNID	A tricky one: ESPN Radio ID clearly heard, not sure which station though. Two possibilities: KEPN Lakewood CO and KGYM Cedar Rapids IA. Suspect the latter but both have been heard in England		0800	1/2	JF
1610	CJWI	Montréal QC; FF	1-3	0751	22/1	SHNx
1620	WNRP	Gulf Breeze FL; " only Fox News station, News Radio 16-		0800	25/1	JF
1020		20. You're listening to News Radio 16-20 WNRP Gulf	-	0000	2071	
		Breeze"; personal first				
1620	WNRP	Gulf Breeze FL; "You're listening to News Radio 16-20 WNRP Gulf Breeze" – first time for nearly a year	vW	0800	16/2	AB
1620	WDND	South Bend IN; "WDND South Bend"	W	0800	9/2	PC
1620	WDHP	Fredericksted USVI; BBC News	W	0600	16/2	$\mathbf{JW}$
1630	КСЈЈ	Iowa City IA "Broadcasting from Coralville's Iowa River landing this is Coralville 16-30 KCJJ Iowa City and Coralville"	W/F	0800	9/2	PC
1630	WRDW	Augusta GA; sports comments, "WRDW" ID, under La Grande	W	0643	21/2	Rha
1630	WRDW	Augusta GA; "News, talk, sports, 16-30 WRDW Augusta, a Beasley Broadcasting Group station"	F	0700	21/2	AB
1630	KRND	Fox Farm WY; "La Grande 16-30" ID, ranchero music/songs	W/Fpks	0645	21/2	Rha
1640	WTNI	Biloxi MS; "Sports Radio 14-90 WXBD Biloxi and 16-40 WTNI Biloxi, The Team" then ESPN	F	0700	20/2	AB
1640	WTNI	Biloxi MS; talk show, ID "Talk Radio 16-40 WTNI" followed by ABC News	W/F	0700	21/2	Rha
1640	WTNI	Biloxi MS; "Sports Radio 14-90 WXBD Biloxi and 16-40 WTNI Biloxi" & ESPN sports talk	W	0700	22/2	BD
1640	KFXY	Enid OK; "The Score, 16-40 KFXY Enid, Oklahoma" heard weakly, followed by Sporting News Flash	vW	0800	31/1	AB
1650	KCNZ	Cedar Falls IA; "16-50 The Fan KCNZ Cedar Falls-Waterloo"	F	0800	30/1	AB
1650	KCNZ	Cedar Falls IA; "16-50 The Fan KCNZ Cedar Falls Waterloo"	W/F	0800	9/2	PC
1650	WHKT	Portsmouth VA; pops, Radio Disney	2-3	0500	23/1	SHNx
1650	CINA	Mississauga ON; "Thank you for choosing CINA radio, 16-50 on your AM dial" – not heard for a while.	F	0800	12/2	AB
1650	CJRS	Montréal QC; FF, EE religious songs, Radio Shalom ID	1-3	0120	25/1	SHNx
1660	WCNZ	Marco Island FL; "The Avenue 14-10 and 16-60", Easy Jazz	2-4	0618	23/1	SHNx
1660	WCNZ	Marco Island FL; "This is WCNZ Marco Island" mixing with Fox Sports	W/F	0800	9/2	PC
1660	WCNZ	Marco Island FL; jazz music & "This is WCNZ Marco Island"	F	0257	15/2	BD
1660	WCNZ	Marco Island FL; oldies from the 50s "WMYL & WCNZ" ID	W/F	0632	21/2	Rha
1660	WQLR	Kalamazoo MI; "WQLR Kalamazoo, 16-60 The Fan" xd KRZI	F	0800	31/1	AB
1660	WQLR	Kalamazoo MI; spot for Kalamazoo florist & Fox sports	W/F	0802	9/2	BD
1660	WWRU	Jersey City NJ; multicultural talk	W	0635	21/2	Rha
1660	KRZI	Waco TX; "Central Texas Sports Leader" heard xd WQLR	F	0800	31/1	AB
1000	111.021					

kHz	Callsign	Station, location; details heard etc	SIO	UTC	Date	Who
1670	WFSM	Dry Branch GA; "WFSM Dry Branch Fox Sports 16-70.	W/F	0800	9/2	PC
1670	WEGN	Online at foxsports1670.com"	117	0000	0/2	חח
1670	WFSM	Dry Branch GA; "WFSM Dry Branch, Macon Fox sports 16-70" & Fox sports	W	0800	9/2	BD
1680	WOKB	Winter Garden FL; ID, phone-talk	2-3	0615	23/1	SHNx
1680	WOKB	Winter Garden FL; "You are listening to the urban	F	0700	21/2	AB
		empowerment and inspiration station, 16-80 WOKB"			-	
1680	KRJO	Monroe LA; music with "KRJO, Monroe, West Monroe, ?"	W	0703	22/2	AB
1680	WPRR	Ada MI; serious discussion & "YL with "WPRR 16-80 AM and online at publicrealityradio.org"	W	0757	9/2	BD
1680	WPRR	Ada MI; "This is WPRR Ada Grand Rapids Public	F	0800	9/2	PC
1000		Reality Radio 16-80 AM and 95 5 FM; personal first	1	0000	12	IC
1690	WVON	Berwyn IL; " Monday through Friday 1am until 3am on the	W	0757	9/2	BD
1070		voice of Chicago 16-90 WVON" & 60s R&B music	••	0151	712	DD
1690	WVON	Berwyn IL; popping up from nowhere "The Talk of Chicago,	F	0800	9/2	AB
		this is 16-90 WVON", a long sought-after <b>personal first;</b>				
		thanks to BD and PC for reporting it				
1690	WVON	Berwyn IL; "The Talk of Chicago is 16-90 WVON"; personal	F	0800	9/2	PC
		first				
1690	WPTX	Lexington Park MD; "Southern Maryland's news talk station WPTX" & CNN News	W	0300	9/2	BD
1690	CHTO	Toronto ON; ID, and website "am1690.ca"	1-3	0701	22/1	SHNx
1700	WEUP	Huntsville AL; ID "17-00 We-Up" local adverts; HUGE signal	Exc	0128	27/2	SW
1700	WJCC	Miami Springs FL; "The Music Fresh programme does not	F	0303	15/2	BD
		necessarily represent the views and opinions of Radio Mega				
		station WJCC 17 hundred AM" & Creole Calypso music				
1700	KVNS	Brownsville TX (presumed); Oldies	F	0802	20/1	JW
1700	KVNS	Brownsville TX; oldies & " classic hits 17 hundred KVNS	F	0801	10/2	BD
		Brownsville"				
1700	KVNS		F	0655	21/2	Rha
1700	KVNS	Brownsville TX; "on classic hits 1700 KVNS"	G	0658	22/2	AB
1710		Radio Soleil International, Boston MA; "Radio Soleil	W	0800	28/1	PC
		International" ID; FF talk and music				
Le	oggings old	ler than 3 months, mainly from checks of Perseus recordings.				
747	JOIB	NHK2 Sapporo; ex poor pips & ID behind Netherlands;	111	1500 20	/10/08 '	TB/JF
		personal first				
774	JOUB	NHK2 Akita; ex poor pips just audible in UK pile up; personal	111	1500 20	/10/08 '	TB/JF
		first				
990	JORK	NHK1 Kochi (tent); time pips in lucky UK Audio gap, Masan,	222	1500 20	/10/08 '	TB/JF
		Korea also listed, but KOR big guns strangely absent from				
		1500 recording				
1008	JONR	ABC Osaka; ex poor time sig/ID behind Netherlands	111	1500 20	/10/08 '	TB/JF
1035	HLCP		111	1600 20	/10/08 '	TB/JF
		// 864, 891 kHz; <b>personal first</b>				
1242	JOLF	NBS Nippon Hoso, Tokyo; pips barely audible behind UK nx	111	1500 20		
1413		Xinjiang RGD, (Kunes?), E. Turkistan; pips approx 6 secs late, traces of fanfare behind R Gloucester/Spain mess	222	1500 20	/10/08 '	TB/JF
		auces of fundate bound it Ofoucester/Spain mess				

Many thanks to the following reporters:

- AB Andrew Brade, Holme-on-Spalding Moor, East Riding of Yorkshire. AOR AR 7030 plus and Perseus SDR, Wellbrook phased array 290°, 305m beverage at 220°. Recording on Sony MZ-NH1 minidisc + Total Recorder.
- BD Barry Davies, Carlisle, Cumbria. Perseus, 3.7m x 10.0m Flag + FLG100 amp.
- FW Friedhelm Wittlieb, Lünen, Germany. Grundig Satellite 700 with martens fram-antenna.
- JF John Faulkner, Sutton-in-Ashfield, Notts. Perseus SDR & flag antenna.
- JW John Williams, Hemel Hempstead, Herts. AOR 7030, 40m long wire.
- mah Martin Hall, Clashmore, Sutherland. Perseus SDR, RPA-1 preamp, beverages: 513m at 233°, unterminated; 506m at 279°, terminated; 550m at 338°, terminated. TotalRecorder.
- PC Paul Crankshaw; Troon, Ayrshire. Perseus SDR, EWE, RPA-1 pre-amp, MFJ-1025 Phaser
- Rha Ronald Hagensen, Ottersberg, Germany. AOR7030+, 22m at 315°, 28m at 290°, 325m at 345° & 115m at 065°, coupled with the Mizuho AT-2000.
- SHNx Stig Hartvig Nielsen, DX-lejr Ålbæk. AOR7030+ og 1000, 500 og 300 m beverage antenna
- TB/JF Tim Bucknall & John Faulkner, Matlock Forest. Perseus SDR + 300m Beverage at 30°.
- SW Steve Whitt; High Catton near York; AOR7030 and K9AY dual loop antenna

**John W** tells us about his recent holiday: "We had an excellent cruise through the Panama Canal from Acapulco then into the Caribbean ending up in Barbados. 80 degrees everyday and no rain then back to sleet showers and today we have snow - when will it end! Although I took a radio Sony SRF 59 (with X band) found the listening I did disappointing. KVNS was there nearly all the time - but only heard Southern States AL, TX. GA, FL and the usual powerhouse religious stations around the Caribbean".

**Barry**'s back in business again, and writes: "Laptop fixed and plenty of stations coming through. NA conditions to the West dropping away here in Carlisle. Maybe a couple of more surprises around the Spring Equinox! I guess it's time to look at some Latin American possibilities too hi! Another with PC problems is **Paul C**, who tells us: "The last couple of weeks have been a write off with major computer problems and poor conditions. Still prior to that there were some interesting stations around as you will see in the log".

**John F**: "I hate to admit it but my enthusiasm for MW DXing is now declining as we move towards more unsettled conditions. No doubt the increase in sunspots will make MW DXing less reliable. I will only continue recording with Perseus and DXing MW as and when good conditions return, but expect less loggings from me with declining conditions. I have been spoilt by the excellent conditions of the last two seasons with many new and exotic DX catches. I have no doubt that the MW DX bug will bite back sooner or later so I plan to try a DXpedition or two somewhere along the way".

Here in **Clashmore** the tail end of January produced some good results, but then, like John, my enthusiasm dropped off, and I've done very little DXing during February. Not unusual at this time of year, since I'm "DXed out" after the intensive DXing sessions of the autumn and early winter months. No doubt I'll get back to it in the next few months, although the main focus of my activity during the summer will be ham radio on "The Magic Band" – 50 MHz! - mah

The **deadline** for the April 2010 DX Loggings is **Thursday 25<sup>th</sup> March**. I look forward to receiving your logs by then, preferably electronically/via e-mail using the Word pro-forma, which is available from the "Files" section of our Yahoo Group; **very many thanks** to all members making the effort to submit contributions following the format used in DX Loggings.

73, Martin

### VERIFICATIONS SECTION

🖂 Kreuzstraße 4, 44532 Lünen, Germany

with Friedhelm Wittlieb e-mail: verifications@mwcircle.org 昌0 32 12 – 107 79 39

Station		kHz	A	В	С	who				
EUROPE										
<u>Germany:</u> Oldiestar, Zehlendorf		603	1\$	letter, stickers	15 days	MvA				
Italy: RAI Trentino	<u>1</u>	1062		QSL-lt., Photos	81 days	HDB				
<u>Portugal:</u> Radio Sim	<u>1, 2</u>	594	IRC	cd	14 days	PR				
<u>Russia:</u> Radio Kavkaz	<u>1, 3</u>	171		letter	50 days	PR				
<u>Serbia:</u> Radio Valjevo Beograd 202	<u>1; 4</u> <u>1, 5</u>	1368 1503	email email	email cd email cd	3 days 2 days	HDB HDB				
<u>Spain:</u> RNE Navarra	<u>1; 6</u>	531		cd, sticker	7 days	EG				
United Kingdom: BBC R. Sheffield		1035	1 \$	letter, sticker	7 days	MvA				
			*******	****						
			ASIA	<u>.</u>						
<u>Philippines:</u> VoA Relay Poro Point	<u>1; 7</u>	1170		cd	33 days	PR				
			*******	****						
			AFRIC	<u>ZA</u>						
<u>Algeria:</u> Radiodiffusion Algeria	<u>8</u>	531/54	.9	cd	28 days	JR				
<b>Benin:</b> TWR Africa Benin	<u>1</u>	1566		pdf-qsl	18 days	PV				
			*******	****						
NORTH AMERICA										
USA: WEPG Presque Isle WEPG Presque Isle WEPG Presque Isle WLAC Nashville WLS Chicago IL WDEA Ellworth, ME WUNR Boston MA WQBA Miami FL	<u>1;9</u> <u>9</u> <u>1, 10</u> <u>11</u> <u>1; 12</u> <u>1</u>	1390 1390 1390 1510 890 1370 1600 1140	IRC 1 \$ (retour)	cd cd cd email epost letter fd PPC letter, sticker	1 year, 4 mont 2 years, 3 mon 2 years, 2 mon 1 day 7 days 14 days 12 days 131 days	ths JR				

\*\*\*\*\*

# Note and Verifications Signers 1: via A-DX- Mailing list from Christoph Ratzer, Austria 2: Adress: Rua Ivens 14, 1249-108 Lisboa, Portugal – v/s: Marketing Director 3: Adress: ul. Pyatnitzkaya 25, 113326 Moskva, Russia 4: v/s: Mr. Vetomir (76 years old !!) mimis@cuckovic.org 5: v/s: Vesna Tesic, editor – desk205@rts.rs 6: Adress: RNE, c/Aoiz, 17-3<sup>0</sup>, 31004 Pamplona, Spain 7: Verifications adress: Station Manager, IBB Philippines Transmitting Station, PSC Box 28, DPO AP 96515-1000, USA 8: Adress: Radio Algerienne, 21 Boulevard des Martyrs, Alger, Algeria 9: Adress: P.O.Box 4088, Presque Isle, ME 04769-4088, USA – v/s: Patrick T. Patterson, Operations Manager 10: v/s Tom Peace – tomp@wlac.com

11: v/s Edward Glab, Studio Engineering Supervisor - Edward.glab@citcomm.com

**12:** Adress: Cumulus Media, P.O.Box 100, 49 Acme Road, Brewer, ME 04412, USA – v/s: Fred Miller, Operations Manager

A: what was received; B: what return postage was sent; C: Days to get a reply

#### **Contributors**

Many thanks to:

**MvA** – Max van Arnhem, Hoenderloo, Netherlands – **BD** – Barry Davies, Carlisle, Cumbria – **MM** – Mauricio Molano, Salamanca, Spain; **PR** – Patrick Robic, Leibnitz, Austria, **JR** – Jim Renfrew, Holley, NY, USA; **EG** – Ewald Glantschnig, Geneve, Switzerland; **HDB** – Hans-Dieter Buschau, Hildesheim, Germany; **PV** – Peter Vaegler, Stralsund, Germany

73, Friedhelm (FW)

### **QSL - Gallery**



One of the last OSL-cards of the Hessian broadcasting, Germany (December 2009)