

SHORTWAVE BULLETIN

Issue no. 1664 April 5, 2009.

Deadline e-mail next issue: 0900 SNT, April 19, 2009.

Till detta nummer har bara ett fåtal bidrag letat sig fram och det innebär att det måste till annan information för att fylla sidorna med nåt intressant.

Det verkar som att alla bara lyssnar på MV numera, varför är ju inte så svårt att förstå

Här kommer ett litet tips för den som inte bara vill ägna tiden åt radio-lyssning.

Förra helgen var vi i en runda i Köpenhamn. Frugan hade i 60 års present fått biljetter till Operan och föreställningen av Glada Änkan.

Vi startade med brunch på Nörrebro Bryghus och sedan bar det iväg till operahuset.

Det var en fantastisk upplevelse att se detta enorma bygge inifrån. Produktionskostnad c:a 2,5 miljarder Dkr! Naturligtvis var operettföreställningen riktigt bra.

För att få biljetter måste bokning göras nästan ett år i förväg. Dagen avslutades som sig bör på en av de många restaurangerna i stan.

Glad Påsk!!!

Keep on

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SWB-info

SWB online på HCDX: <http://www.hard-core-dx.com/swb>

Dateline Bogotá: <http://www.hard-core-dx.com/swb/Dateline.htm>

SWB hot stuff: <http://hem.ektv.nu/~ekt035221/password.htm> (länk till senaste SWB).

SWB member information: <http://www.hard-core-dx.com/swb/member.htm>

Jubileumstidskriften: <http://www.hard-core-dx.com/swb> (html- + pdf-version).

QSL, kommentarer, mm.

Christer Brunström: HCJB via sändare i Europa 3955 kHz med intressant QSL-kort som visar ett studiofoto från den allra första sändningen på juldagen 1931.

Dan Olsson: Hej alla SWBare! Först och främst vill jag önska er alla en Glad Påsk!

Denna gång har jag lite bidrag ifrån en lyssnarnatt i Saxtorp 22-23/3 mars. Ännu en gång så hade vi drabbas av skogs- maskiner så vi fick börja med att laga antennerna i en timme. Med hjälp av en lång stege och en pinne på 2 meter sitter nu antennerna uppe på 6 meters höjd så nu ska mycket till innan någon maskin river ner dem.

Ett svar ifrån piraten Shortwave Cowboys har jag också fått men det är tveksamt om jag kan räkna det. Då det bara var ett automat svar på ett mail.

Vad säger ni övriga hur räknar man ett svar som kommer automatiskt när man skickar det????

Mer om Perseus och extern antennförstärkare

En inspelning som gjorts av Sylvain Naud i Quebec har lett till en rejäl diskussion i Perseus Yahoo-group om hur mycket nytta en bra antennförstärkare kan göra.

Inläggen har varit många och bla Dallas Lankford och Leif Åsbrink (Linrads skapare) har haft flera inlägg där man diskuterar fördelar och nackdelar med olika typer av antennförstärkare.

Man har också kommenterat den utlagda inspelningen där inkopplingen av en extern antennförstärkare typ RPA-1 gjorde en avsevärd skillnad i hörbarhet.

Nu visar det sig att Sylvain Naud verkar ha ett allvarligt jordfel i sin antennenläggning som gör att brusnivån i hans anläggning ökas på grund av detta.

I ett svar till Sylvain i Perseus Yahoogrupp kommenterade Leif Åsbrink hans inspelning så här:

Another way to understand your recording on the basis of the noise floor levels reported by Perseus at 1.3 MHz:

with preamp -93 dBm

witout preamp -88 dBm

dummy load -115 dBm

The noise floor without the preamp is 27 dB (115 – 88) above the internal noise floor of the Perseus. Based on that information one can firmly state that a preamplifier is NOT what the situation calls for.....

By the way, amplifiers are characterized by the gain and the noise figure plus parameter that describe dynamic range. A good dynamic range may require an expensive amplifier, but as long as the amplifier does not create false signals the dynamic range is adequate.

In this discussion there have been many postings discussing whether one amplifier is better than another. Those postings indicate to me that the things that have been compared is not amplifier performance but rather how well ground problems have been solved with different amplifiers. Based on gain and noise figure one can compute exactly what will happen when an amplifier is added. (As long as the dynamic range is adequate i.e. no false signals occur.)

Better understanding of grounding would presumably bring many more signals to MW DXers.....

Leif Åsbrink

Inkopplingen av den externa RPE-1 förstärkaren förbättrar alltså situationen med 16 dB (= dess gain), vilket förklarar den enorma skillnaden i hans inspelning.

I samband med alla inlägg i gruppen mailade jag några kommentarer till Leif Åsbrink och har just frågat om det går bra att publicera hans svar i ett kommande nummer, vilket jag hoppas skall vara okej.

Leif Åsbrink förklarar sakernas tillstånd på ett bra sätt och slår också ett slag för att fler DX-are skall använda Linrad. Läs mer om detta kompetenta program på nätet, <http://www.nitehawk.com/sm5bsz/linuxdsp/linrad.htm>

Har också plockat fram lite info om några bättre, externa antennförstärkare. Läs mer om dessa längre fram i SWB. Läs också Olle Bjurströms bidrag i SWB 1660 där han berättar om sina byggen av Norton förstärkare.

Fick även ett mail från Anders Hultqvist där han berättar att han just beställt en RPE-1. Han berättar bl a att flera av Parka-deltagarna som t ex Mats Andersson, Bo Olofsson och Peder Seippel har skaffat just denna typ och kört under den gångna vintersäsongen. Bästa resultatet verkar man få av att koppla in den så nära antennen som möjligt, vilket också är den inkoppling som rekommenderas när man läser olika tester på nätet.

Loggen

(UTC)

4840	23.3	0110	AIR/Mumbai med ragamusik till Q 4 DO
4845,2	4/4	0148	Radio Cultura , Manaus, Brazil, songs, national himn and off at 0157, fair GB
4845,24	31/3	0150	Radio Cultura , Brazil, songs and some talks PP, fair GB
4885	22.3	2305	R Clube do Para med reklam för en kommande fotbollsmatch DO
4910	23.3	0120	AIR/Jaipur pratade om vattenrening DO
4915	31/3	0155	Radio Difusora , Macapà, Brazil, slow songs, great id at 0200, talks, fair to good GB
4950	23.3	0130	AIR/Srinagar pratade om kongressen. DO
4985	22.3	2300	R Brasil Central med Id efter ett religiöst program. DO
4985	4/4	0140	Radio Brasil Central , Brazil, talks, fair GB
5010	23.3	0135	AIR/Thiruvananthapuram med en hindupratande man som rabblade upp en massa namn. DO
5910,07	31/3	0105	Marfil Estereo , Colombia, religious program, good GB
5910,08	4/4	0128	Radio Marfil Estereo , Colombia, nice songs, good GB
5952,5	4/4	0124	Radio Pio XII , Bolivia, music and talks, good GB
5952,5	31/3	0050	Radio Pio XII , Bolivia, talks, id on the hour, fair/good GB
6009,8	1/4	0057	La Voz de Conciencia (pres) , Colombia, canzoni stopped by QRM on 6010 GB
6019,4	31/3	0045	Radio Victoria , Peru, usual religious talks in SS fair GB
6035	31/3	0115	La Voz del Guaviare , Colombia, nice songs and ids, fair to good GB
6035	4/4	0119	La Voz del Guaviare , Colombia, romantic songs, good GB
6050	31/3	0121	HCJB , Ecuador, program "En Contacto", giving an address in Guatemala. Good GB
6135	1/4	0102	Radio Aparecida , Brazil, Holy Rosary, fair GB
6160	1/4	0105	CBC St. John's , Canada, reports, EE, weak, better in LSB GB
6173,83	1/4	0110	R Tawantinsuyo , Peru, mx and talks, weak with fading GB
6185	1/4	0127	Radio Educacion , Mexico, cultural talks, SS, fair GB
6195,82	1/4	0120	Radio Cusco , Peru, songs, weak GB

Noted in Florida band scan:

20 March

4451.2v **Bolivia Radio Santa Ana**, Santa Ana de Yacuma 0030 to 0100 under English voice UTE [Wilkner]

21 March

6173.8 **Peru Radio Tawantinsuyo**, Cusco weak signal at 0000 to 0010, narrow filter om en espanol [Wilkner]

23 March

3309.98 **Bolivia R Mosoj Chaski**, Cochabamba 1010 with strong signal, indigenous music. [Wilkner]

3325 **PNG R Bougainville** seemingly the one at 1030, 3260 also in. [Wilkner]

4045u **Haiti** vessel checking in 1050 for wx conditions [Wilkner] 4045u Belize, Lighthouse Key brief discussion [Wilkner]

4824.51 **Peru La Voz de la Selva**, Iquitos 1025 - 1105 long talk by yl, om with music bridge [Wilkner]

4826.46 **Peru Radio Sicuani**, Sicuani 1025 to 1100 [Wilkner]

- 4876.70t. **drifting - Brasil Radio Difusora Roraima** Boa Vista seem to be on very weak in PT, noted several days drifting signal! [Wilkner]
- 4940t. **Radio San Antonio**, Ucayali 1100 -1120 very tentative, not the distorted Venezuelan station! [Wilkner]
- 5039.24 **Peru, Radio Libertad** Junin 1030 to 1105 lively flauta andina with om dj talking over music decent signal Sign on about 1020 to 1030 most local mornings. [Wilkner]
- 4451.06 **Bolivia Radio Santa Ana**, Santa Ana de Yacuma [Wilkner]
- 4554.25t **Bolivia Radio Virgen de Remedios**, Tupiza [Wilkner]
- 4990.8v **Peru, Radio Manantial**, Huancayo [Wilkner]
- 5460.1 **Peru Radio Bolivar** Cd. Bolivar [Wilkner]
- 5580.2 **Bolivia Radio San Jose**. San Jose de Chiquitos [Wilkner]

The international BC stations left 40 meter band 7100 e 7200 kHz range, to leave it to Hams. So far it is possible to listen to some domestic services. Here is an evening bandscan made in Milan, Italy:

- | | | | |
|--------|------|------|--|
| 7100 | 29/3 | 1935 | Voice of Korea , N.Korea, English, reports, fair - at 2000 in Korean very good |
| 7105 | 29/3 | 2151 | PBS Menggu , China (presumed), very weak, stopped by a carrier at 2155 |
| 7105 | 29/3 | 2200 | Voice of Hope , Taiwan, start program, ids, news, good off at 2259 |
| 7110 | 31/3 | 1950 | Radio Ethiopia , nice songs, News at 2000, songs again. Good |
| 7115 | 31/3 | 1807 | AIR , India, slow Indian songs, id and off at 1830 good |
| 7125 | 29/3 | 2005 | Radio Conakry , talks, poor modulation, poor with HAM QRM, better around 2100, FF |
| 7130 | 31/3 | 1727 | two stations, one surely Chinese with id heard, the other not sure if Chinese too. Disappeared after 1800. |
| 7135 | 29/3 | 2040 | Belarus Radio 1 , music, id at 2047 and 2100 with time pips weak signal |
| 7145 | 31/3 | 1835 | Hargheisa Somalia, songs, reports, off 1900 good |
| 7160,1 | 30/3 | 0012 | American Hams , QSO in AM ! S=8 good! Now it is possible to hear them. Also on 7150 |
| 7165 | 31/3 | 1720 | Radio Ethiopia , songs, news at 1730 in French, fair-good |
| 7165 | 29/3 | 2250 | PBS Nei Menggu , China, //9520 poor, QRM HAM |
| 7170 | 29/3 | 2105 | PBS Xizang , China, (presumed), slow music, weak and slowly fading down |
| 7175 | 31/3 | 1835 | Voice of Broad Masses , Eritrea, reports, off at 2001 after Hymn good |
| 7180 | 29/3 | 2130 | Voice of Korea , N.Korea, Talks in Chinese, fair/good |
| 7185 | 30/3 | 0030 | Myanma Radio , Myanmar, Start bc, poor/fair |
| 7190 | 29/3 | 2101 | RTT Tunis , news, talks, mx, AA, fair |
| 7195 | 29/3 | 2330 | PBS Xinjiang , China, starting BC, //4980 fair |
| 7110 | 30/3 | 0355 | Radio Ethiopia , nice music, great id at 0400 very good |
| 7115 | 30/3 | 0558 | AIR Port Blair ? Indian music and talks on the hour, weak |
| 7135 | 30/3 | 0455 | BR1 Belarus , talks, mx, id 0500, fair |
| 7165 | 30/3 | 0458 | Voice of Broad Masses afro mx and talks on the hour with news. Fair/good strong. QRM from digital signal before 0458 and since 0359: I can think it could be a jamming from Ethiopia, that in the evening use the same frequency. |

RX: SDR-14, Drake R-4C, Icom R71E, Ant: T2FD 15 meters long
(Giampiero Bernardini)

Stationsnyheter

ANDAMAN & NICOBAR ISLANDS. All India Radio Port Blair noted on 4700 kHz instead of 4760 with sign off at 1700 UT. 73 (Jose Jacob, VU2JOS, National Institute of Amateur Radio, Raj Bhavan Road, Hyderabad 500082, India, March 18, dx_india yg via DXLD)

4760, AIR Port Blair (presumed), 1330 + 1440, March 19 & 20. Heard back on their normal frequency again (Ron Howard, Asilomar Beach, CA, Etón E1, dxldyg via DX LISTENING DIGEST)

INDONESIA. 4919.98, RRI Biak (Biak) (tentative), 1225-1235, 3/23/2009, Bahasa. Only a carrier at 1225. A few words by a woman occasionally heard, peaking around 1235 with sufficient audio to identify language as Bahasa. Log is very tentative, but likely Biak, as a number of other Indonesian stations were heard this morning. Indian and Chinese stations were totally absent. Looking for Jambi on 4925, but only a weak carrier was heard there (Jim Evans, Germantown, TN, TenTec RX-340, Eton E1, Sony ICF-SW7600G, Random Wires (90' and 200'), Eavesdropper Dipole, DX LISTENING DIGEST)

MICRONESIA (POHNPEI) 4755 "The Cross" Got this reply to my question as to why they're currently not on shortwave:

Thanks for your email of interest, Dave. Because we do not have an engineer to help us target the atolls and islands of Micronesia with short wave, we are only able to broadcast FM at this time. When the Short wave is properly configured and targeted for optimal listening in the islands, we will be back on the air again with short wave radio.

Kind Regards, Sylvia Kalau, Pacific Missionary Aviation, The Cross Radio Station, P.O. Box 517, Pohnpei, FM 96941, Federated States of Micronesia. Tel: 691-320-1122, Email: radio@pmapacific.org, Web: <http://www.pmapacific.org> / <http://radio.pmapacific.org>

(Dave Valko via HCDX)

MYANMAR. 5915.0, Myanma Radio - Minorities and Educational Service, 1335-1500, March 21 & 22. Thanks to Jose Jacob for finding the missing Minorities and Educational Service, ex: 9730.84v. Last time I heard them there was Feb 21 and shortly after that reported their apparent absence. Being off frequency before was a big help with their reception, but being exactly on frequency here is bad (CRI QRM). Lost after 1500, as another station seemed to sign-on. Heard in vernacular (the language was correct for Myanmar), with non-stop talking; lesson with some English words; chemistry lesson with formulas. No ID as such, but after listening to them so many times on 9730.84v, I am positive it's them. Best reception from about 1400 to 1445 (Ron Howard, Asilomar Beach, CA, Etón E1, dxldyg via DX LISTENING DIGEST)

SOLOMON ISLANDS. Re 9-024: Hi Glenn, I can confirm that the **SIBC on 5020** is still off the air. A recent email from the station did say technicians were hoping to reactivate that transmitter "soon." No word on a target date to get the transmitter back on. I was also directed to tune in to "9540 kHz" and spot-checks suggest they are running 24/7 on approximately 9541.45. Frequency drift and occasional bad modulation suggest there are a few problems with this transmitter, too.

Also, I've heard them during my local daylight hours running occasional content from BBCWS, not just on local overnights (David Sharp, NSW Australia, March 21, DX LISTENING DIGEST)

PERU, 6019.37, Radio Victoria, 0945-1000, noted a male in Spanish language religious comments. This person is the usual Preacher that is often heard on Radio Victoria at this time. This is a very difficult log since Victoria is under the station on 6020 KHz, probably Australia. To hear Victoria with the receiver's USB activated, there was a need to notch out Australia's carrier using the tracking notch on the NRD545, then zero beat Victoria's carrier which produced a weak audio. Everything is covered by 0958 when Australia plays music. I haven't heard Victoria for awhile. Don't know if they've been off or condx were bad? Either way, the station was threshold today.

Noted a lot of Lightning crashes after 1030 UTC. Haven't had that particular noise so far this year, as I recall. It's a sure sign that summer condx are upon us. Checking the national weather, the only storms on the map were near New Orleans and in that area. Everywhere else was clear.

That's a real good example of how far the "noise" or crashes from lightning can travel. Although the storm is over 600 miles away, it's still a reminder that I better start unplugging the antenna from my receiver when it's not in use. Florida is still the "Lightning Capital of (World?)". True or false, we get a lot of it in the summer.
(Chuck Bolland via HCDX)

SOMALIA: Media Network, By Andy Sennitt, April 4 2009

Radio Hargeisa, the national radio of Somaliland, has resumed regular broadcasts on shortwave, apparently from a new transmitter. Radio Hargeisa was established in 1948, but first started broadcasting in December 1951. However in 1988, it was destroyed by the forces of Siyad Bare, the last Somali dictator. For the past year, it has been undergoing some major improvements to its services and reception.

On Monday, Somaliland students in Yemen were able to listen to Radio Hargeisa for the first time in many years, while on Wednesday it was received in Japan for the first time on **7145 kHz** at 1759 UTC. [Other reports say that tests started a year ago on 7120 kHz].

On Friday, Somaliland students studying in neighbouring countries were able to listen to Radio Hargeisa. The station broadcasts Somali music, news and other current affairs, mainly broadcasts in the Somali language.
(Source: SomalilandPress)

Andy Sennitt adds: Radio Hargeisa has been reported sporadically on various 7 MHz frequencies in recent years, but apparently from a low power transmitter. The headline in this report from SomalilandPress was "Radio Hargeisa goes global", which indicates that a new higher powered transmitter is now in regular use.

<http://blogs.rnw.nl/medianetwork/radio-hargeisa-back-on-shortwave>

(Mike Terry via DXLD)

Övriga radionyheter

Collection of about 40 articles

Hallo – it may be slightly off topic in this group, but I do want to draw your attention to a collection of about 40 articles about shortwave reception, recently being published in the leading German SWL magazine “Radio-Kurier / weltweit hören”.

They cover many aspects from decoding software (e.g. SondeMonitor, Faros, W-Code) over receivers (e.g. Telefunken E1500, Hagenuk RX1001, and, well, Perseus) to ionospheric propagation (e.g. AREPS, ASAPS).

Although these PDFs are published in German, they each contain a lot of illustrations which should give a clue even to readers who don't understand this funny language (too) well. You are cordially invited to translate them into any language you want, and to publish them for free access in the internet.

The PDFs can be retrieved from my website: <http://web.mac.com/nils.schiffhauer> (topic: “Hören” / click on “Hören – alle Themen” for a list of all topics)

(73 Nils, DK8OK via HCDX)

EUROPEAN DX COUNCIL, DUBLIN, IRELAND, AUGUST 28-30, 2009

Dear DX--Friends all over the World ! We are now planning to extend our Conference Programme until Sunday, August 30, 2009 at 14.00 Hours Dublin time. Because of that we kindly ask you to plan your flight for the evening --- in case you wish to leave Dublin on Sunday. Thank you.

Dear DX-Friends, Shortwave Listeners all over the World! The EDXC (European DX Council, the umbrella organisation of shortwave clubs, DX-clubs in Europe) cordially invites you all to the next EDXC Conference, August 28--30, 2009, in Dublin / Ireland. We kindly ask you to make your hotel reservations already NOW!

Venue of the Conference : Grand Canal Hotel, Grand Canal Street, Ballsbridge, Dublin 4, Ireland. Phone : + 353 1 646 1000. Fax: + 353 1 646 1001. For room reservations please turn to the responsible person at the hotel: Ms Niamh Doorly, E-Mail: niamh.doorly@grandcanalhotel.com Home-page: <http://www.grandcanalhotel.com>

Please observe: This is a 3 / three / star hotel. Prices: Single-room EUR 115,-- / room and night, Double-room EUR 115,-- / room and night. If sharing the Double-room you only pay EUR 57,50 per person. This hotel accepts the following credit cards: VISA, MASTER CARD, AMERICAN EXPRESS and DINERS CARD. PLEASE MAKE YOUR OWN RESERVATION NOW!

First you write: The special password for this reservation: EDXC CONFERENCE 2009. Then you write your family name, your Christian name, your arrival date at the hotel, your departure date from the hotel. The hotel needs your credit card number at the time of reservation to be able to confirm your room.

The Irish DX Club, Edward Dunne and the EDXC, Tibor Szilagyi are working on the programme of the Conference. What we know now: There will be interesting lectures about our hobby. Lecturers in Dublin: Mike Adams, Jonathan Murphy, Simon Maher and some more Sightseeing tour in Dublin by bus with English speaking guide and a visit at the Ye Olde Hurdy--Gurdy Museum of Vintage Radio in Howth, Dublin North. The traditional Banquet Dinner will take place at our Conference Hotel on Saturday evening, August 29. Please do allow me to come back to you with more detailed information about the programme, as soon as we know more about it.

THE CONFERENCE FEE YOU WILL PAY DIRECTLY TO ME UPON ARRIVAL. The Conference Fee: EUR 115,-- per person includes: Use of the Conference Room, relevant papers like Conference Covers, Name-Tags, Lunch on Saturday, Sightseeing Tour in Dublin, visit at the Museum of Vintage Radio. Furthermore the Conference Fee includes the Banquet Dinner. What you consume as drinks during the Banquet Dinner, you will pay extra to the hotel staff.

Another reason to attend the EDXC Conference: Special price for Spouse during the EDXC Dublin Conference: The price for spouse is : EUR 78,-- / Person. This price includes: Lunch on Saturday, August 29, 2009. Sightseeing Tour in Dublin with English speaking guide. Banquet Dinner (Only the food, drinks you have to pay extra to the hotel staff).

For further information you may contact: Tibor Szilagyi. E -- Mail: tiszi2035@yahoo.com Written on Wednesday, March 25, 2009 at 0950 Hours UT (Szilagi, DX LISTENING DIGEST)

Comments fom Perseus Yahoo-group:

A significant difference is the automatic bypass relays in the RPA-1. As others have suggested, this is a most useful feature for checking overloading and signal enhancement. I would suspect that Tom, W8JI had a significant hand in developing this preamp. Knowing his attention to detail, and the specs of the unit, made it my choice. I also have the Wellbrook preamp but as part of the ALA-100 loop.

The RPA-1has procedures documented in the manual to change the gain, 16 db is plenty for most receivers and may cause overload.

The low frequency rolloff is better documented in the Wellbrook, but given normal rolloff curves, the RPA-1 should have a similar gain into the long wave bcb region, which I can attest to.

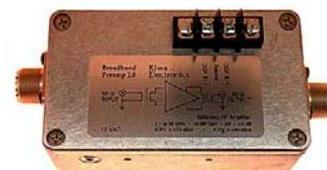


The RPA power connections can also be changed to accept power over the coax, which can be an added benefit with long feedline runs. You still need a power injector at the radio side, which can also be purchased (or constructed). The basic Wellbrook can be adapted to this, but the preamp as used in the ALA-100 is already set up for DC over coax. The Wellbrook has the balanced input ability which is important in some situations. The RPA-1 is repairable, the potting on the Wellbrook makes it less so. There are other well designed preamps out there, many developed especially for 160m use, and can be home constructed for much less. Any time that a preamp (inserted near the radio) makes a significant improvement, it just means that the radio you're using isn't as sensitive as it needs to be. It's not "amazing".
(73 Don, VE6JY via Perseus Yahoo group)

I use the Wellbrook preamp in my K9AY. It performs really excellent and I judged it as very quiet by ear. I've measured IP3 on different frequencies and it met or exceeded the manufacturer's specs. Wellbrook doesn't specify the noise figure. I've measured 3dB which confirms what my ears did tell. So the Wellbrook preamp and the RPA-1 are virtually on par in their specs, it is obvious that they use the same ore a very similar design. I see one possible advantage of the Wellbrook. While the RPA-1 is specified down to 300 kHz with a gain of 16dB, nothing is said about the gain below 300 kHz. Wellbrook specifies the gain also at 20 kHz with still 10dB. It has also antistatic protection diodes built in I don't know if the RPA-1 has. Unfortunately it is not designed to take 200W from a TX on the RX output connector... (been there, done that).
(73. Clemens via Perseus Yahoo group)

Wellbrook preamp has the same IP3 value and it costs 50 pounds. Or is there something else which makes RPA-1 better than the Wellbrook one? Has anyone compared them side by side?
(Mauno Ritola via Perseus Yahoo group)

Buy a **KIWA preamp** at <http://www.kiwa.com/bbpreamp.html> . I designed and built the predecessor, the original version, in 1994 and published the basic push-pull transformer feedback amplifier in DX News. That aticle is still available as a reprint from The National Radio Club. Before Norton's patent expired, long before I built my first push-pull transformer feedback Norton amplifier, a much more elaborate Norton transformer feedback amplifier, the AM109, was built and sold by Anzac. I even had a couple of those amplifiers at one time... they drew a lot more current than my design, but had no better intercepts or noise figure. There is an AM109 available on eBay today for \$45, Item Number: 300299677773. Craig Siegenthaler of KIWA Electronics made some minor changes to my original design and has sold his variant for a number of years. He made some additional changes and claimed they increased the intercepts, but I was never able to verify his claim. It is possible that he still does not use ferrite beads on the collectors of the MRF581A's, in which case it is possible that his preamp could burst into flames due to parasitic oscillation. I also never liked the use of binoc semiconductor ferrites by him and others because of the danger of shorting turns. And, of course, I don't like sellers who encapsulate their preamps. KIWA does not. If you want it done right, you are better off doing it yourself. There is sufficient information in one of my articles in The Dallas Files at www.kongsfjord.no to build an MRF581A version or a 2N5109 version, take your pick.
(Best regards, Dallas Lankford via Perseus Yahoo group)



Se också den utförliga testen på http://www.dxing.info/equipment/preamp_bryant_connelly.dx där man testat AR2 och RPE-1. Har tyvärr inte kunnat hitta någon bild på Wellbrooks förstärkare. (/SWB editor)