

SHORTWAVE BULLETIN

Issue no. 1666 May 3, 2009.

Deadline e-mail next issue: 0900 SNT, May 17, 2009.

Ett mycket trevligt konvent hölls förra helgen. Speciellt trevligt var det att möta några gamla DX-are som inte varit med på konventen på länge, såsom Henrik Klemetz, Olle Bjurström och Ronny Forslund. Ett stort tack till Christer Brunström som gjorde det hela möjligt. Ett fylligt reportage kommer så småningom.

I Ängelholm, Klippan och Båstad ordnas i sommar en serie av tolv GladJazz föreställningar på några av orternas krogar. Igår kväll spelade Six City Stompers här i Ängelholm. I tre timmar underhöll denna superba danska grupp. Övriga band som är med är: Björn Ingelstam Band, Second Line Jazzband, Jazzin' Jacks och Hans Knudsen Jump Band. Ta tillfället i akt och åk till en av dessa platser. Dessa band tillhör den yppersta eliten i denna genre. En bit mat och bra musik – vad kan bli bättre?

Kolla in www.gladjazz.se

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: Voice of Turkey 15450 kort + DVD im Turkiet som turistland.

Ronny Forslund: Några KV-loggningar från torpet i Fredriksfors dit jag och min vovvekompis Ona dragit oss tillbaka över helgen. Det smäller inte lika mycket här runt Valborg som i Stockholm med omnejd, vilket Ona uppskattar. För övrigt så var det riktigt trevligt att träffa er alla på Kanebergsmötet härförleden och det gav inspiration till att börja ratta runt på mottagaren igen. Även om inte kortvågen är vad den var så dyker det då och då upp ljuspunkter, nu senast frigörandet av 7100-7200 kHz från utlandssändare. Afrikanerna där går riktigt hyfsat så länge de nu blir kvar.

Hermod Pedersen: Apropå kraftledningsstörningar...

Jag har haft samma upplevelse med Sydkraft, som det hette då.

Ett tag fick jag väldiga störningar från kraftledning som matar flera hus vid sommarstugan. Efter ett längre tags irritation tog jag mig för att ringa Sydkraft och undra litet. Till min förvåning dröjde det inte länge innan det kom ett par tekniker som kollade hit och dit, lyssnade på min bärbara AM-mottagare och kollade ännu mer. De till och med bröt strömmen till grannarna längre bort, vilket de inte får göra hur som helst (en massa kollande först). Inte för att det hjälpte just då, men de tog saken på stort allvar, vilket förvånar i dessa dagar. Det är nog som Åsbrink säger, dessa saker är av större vikt för kraftbolagen än vi anar, och det är få som vi som kan ge tidigare indikationer på allvarliga fel. Störningen är numera borta, så något har rättat till sig. I det fall är låter det bestickande att hela eländet försvann när ladan brann. Å andra sidan är det kanske just därför teknikerna bryr sig...

Anders Hultqvist lyssnar numera nästan enbart på mellanvåg och har blivit en av de många aktiva bloggarna. AHK är en aktiv lyssnare och en av de få som har radion på sommarstället och lyssnar hemma storstaden via internetuppkopplad programvara. AHK är en av de DX-are som gärna testar ny utrustning och hans blog hittar ni här: <http://dxperseus.blogspot.com/> Jag tar mig friheten att kopiera in det senaste inlägget som kan vara av intresse även för den som lyssnar på KV.

"Jag har åter igen en SDR-IQ i mitt QTH. Jag köpte den nyligen eftersom SpectraVue numera fungerar tillsammans med Perseus wav-filer. SpectraVue 3.0 beta 19 kräver ingen SDR-IQ, men senare versioner fungerar endast i kombination med SDR-IQ.

*SpectraVue läser Perseus wav-filer upp till 1000 kHz sampling rate helt perfekt, nästan ner till högsta möjliga frekvensupplösning. När man kör SDR-IQ som rx får man 0,75 Hz, och när man kör Perseusfiler i SpectraVue får man som bäst 3,8 Hz. Inte perfekt, men detta innebär ändå en fantastiskt fin kombination av 1000 kHz breda inspelade Perseusfiler (tex 702 kHz - 1702 kHz). Då får man med huvuddelen av mellanvågen. Och man får på samma gång alltså nästan hela SpectraVues fina frekvensnoggrannhet. Eftersom man inte kommer ner till 0,75 Hz, så är det fortarande enklare att **upptäcka** splits och offsets direkt i Perseus zoom-fönster. Till SpectraVues fördel vill jag dock tillägga att ljudet blir lite "krispigare" och det är ju en fördel när det handlar om de allra svagaste och knepiga signalerna.*

Jag har roat mig med att lyssna igenom några intressanta inspelningar från september förra året, och noterat flera nya stationer, just tack vare SpectraVue. Frekvensnoggrannheten är ju betydligt bättre bättre i SpectraVue, så det är busenkelt att logga med 4 decimaler och spara

tex i en Microsoft Works databas som logg och referens.

SpectraVue fungerar även med Perseus wav-filer inspelade med 2000 kHz sampling rate. Men tyvärr bara ner till 100 kHz span/bandbredd. Detta innebär ju dock i praktiken att sådana filer blir ointressanta att analysera i SpectraVue eftersom det inte går att komma ner tillräckligt i noggrannhet. Jag är inte tekniskt kunnig, så jag kan inte uttala mig om huruvida det är möjligt att ytterligare förfina mjukvaran så att även i 2000 kHz sampling rate det blir möjligt med samma fina frekvensavläsning som i de lägre sampling rate-inspelningarna. Men det skulle inte vara så dumt och det kan fixas. Helst då ända ner till 0,75 Hz.

SDR-IQ är däremot en mycket stor besvikelse beträffande mottagaregenskaperna och dess förmåga att stå emot lokala QRM. Hela bandet täcks av ett ihärdigt knatter och andra elstörningar från lägsta till högsta frekvens. Det är helt omöjligt att använda SDR-IQ för DX här på Dalarö, trots att ALA-100 är inkopplad. Mitt QTH ligger ju visserligen precis vid vattnet, men mitt i ett modernt samhälle.

Med Perseus är situationen precis som jag tidigare berättat om: helt störningsfritt!

Även med min (numera pensionerade) Winradio 313-e får jag helt störningsfri mottagning. Det var ju en enorm tur att jag inte först testade min ALA-100 med SDR-IQ, för då hade jag nog aldrig köpt någon Perseus. Och därmed missat all fantastisk DX som erbjudits senaste året. Det var ju med Winradio 313-e som de första inspirerande testerna gjordes med ALA-100 under hösten 2007, där jag för första gången någonsin kunde logga Japan här på Dalarö. Och inte bara en gång, utan sgs dagligen i flera månader. Superstarkt ibland, men alltid störningsfritt.”

Loggen

(UTC)

2379.9?			looking for reported Brasil, Radio Educadora, Limeira and have infrequent carrier here as well as harmonic on 2380.64. [Wilkner and logged in Cedar Key]
3250.00			Radio Luz y Vida , San Luis 1150 to 1200, "en este momento gracias de Dios..Senor por las vide y salud" 16 April 1130 with English/Spanish translation of sermon 14 April [Wilkner]
3329.62			Ondas del Huallaga , Huánuco 1020 to 1040 om en espanol, music after 1030, yipping excellent Peru high flutes, and variety of music, Ondas del Huallaga ID by locutor. 28 April. Noted 0000 and 1020 for last week or two. [Wilkner]
3375.1			R Municipal São Gabriel da Cachoeira 0940 to 1050 locutor with PT interrupted occasionally by brief music bridges. 16 April [Wilkner]
4699.32			Radio San Miguel , Riberalta, 0950 om en espanol, fair signal 28 April [Wilkner]
4716.73			Radio Yura , Yura 1015 usual excellent music, fair to good signal. 28 April [Wilkner]
4780	30.4	1740	RTV Djibouti med böneprogram. Stark och ren signal. Q3-4. RFK
4790	26.4	0335	Radio Visión med non-stop religiöst fram till 05.00 då jag lade av. Stabil signal med ljudet är inte helt perfekt. 3 CB
4790	28.4	0208	Radio Vision , Peru, religious talks, weak/fair QRM Codar GB
4790	2.5	1655	Radio Visión med religiöst. Dov modulation. Q3. RFK
4796.4			Radio Lipez , Uyuni 1000 to 1020 with vocals deep fades CODAR, 16 April [Wilkner]
4805			Radio Difusora do Amazonas , Manaus, Amazonas 0945 to 1010 fading with Portuguese extended talk by om, 21 April [Wilkner]
4814.95			Radio El Buen Pastor , Saraguro Loma Loja 1010 to 1100+ April 24 to 28 with good signal [Wilkner & Florida DXers]
4824.50			La Voz de la Selva , Iquitos 1020 to 1050 blasting in with traditional Peru music. "repeated "Ai ya ya ya" in one musical selection, 24 April, very hyper om dj 1045 with music. 23 April [Wilkner]
4826.45			Radio Sicuani , Sicuani noted 1020 - 1045 under CODAR, om with mx 28 April. [Wilkner]
4828	28.4	0233	ZBC , Zimbabwe, (presumed) music no stop, no, id, fair GB
4834.93			R. Virgen de Remedios , Tupiza. 2310 to 2330 both of the following have been logged in several location in Florida. [Wilkner]
4835.42			Radio Marañon , Jaen2310 to 2330 both of the following have been logged in several location in Florida. [Wilkner]
4835,460v	28.4	0215-	UNID , too low signal, but according to general band conditions could be Maranon Peru) GB
4845,2	28.4	0153	Radio Cultura , Manaus, Brazil, songs, fair/good GB
4852.53			UNID spur? 1100 to 1130 most days [Wilkner]
4857.39			Radio La Hora Cusco 2350 to 0000 with locutor en espanol, weak signal first log for over two weeks. 19 April. [Wilkner]
4877.46			- possibly Brasil , Radio Difusora Roraima Boa Vista noted with weak signal 2330 to 0000 on 19 April [Wilkner]

4905.07v			Radio Anhanguera , Araguaína noted 2340 with PT om and music, strong signal 19 April [Wilkner]
4914,955v			Radio Difusora , Macapà, Brazil, nice songs, fair/good. RF Space SDR-14. GB
4925,2	28.4	0201*	Educacao Rural , Tefè, Brazil, slow songs, talks, great id at 0200, off at 0201 fair/good GB
4925,229v	29.4	0110	Radio Educacao Rural , Tefè, Brazil, song, fair to good RF Space SDR-14. GB
4985	19.4	2305	Radio Brasil Central , Brazil, songs, fair //11815 GB
5000	28.4	0240	WWV Colorado, USA, time ann. male voice, fair GB
5005	19.4	2301	Radio Bata , Guinea E., closing with National Himn. S.off at 2303 good GB
5459.83			Radio Bolivar Cd. Bolivar with wildly drifting signal 5459.83 - 5460.40, 2355 to 0000. Stabilized, om en espanol no music 19 April [Wilkner]
5910,1	19.4	2253	Marfil Estereo , Colombia, songs, good GB
5945	2.5	2109	Bible Voice med program från <i>Christ Gospel Broadcast</i> presenterat av Rev. B.R. Hicks. Q3-4. RFK
5952,484v	28.4	2320	Radio Pio XII , Bolivia, mx, talks, QRM Family Radio on 5950 kHz, poor/fair RF Space SDR-14. GB
5995	19.4	2245	RTV du Mali , reports in FF, good GB
6019,34v	28.4	2330	Radio Victoria , Peru, female religious talks, weak RF Space SDR-14. GB
6019,4	19.4	2240	Radio Victoria , Peru, usual inspired talks, poor GB
6090	26.4	0305	Amhara Radio , Bahir Dar med fin etiopisk musik och ett par annonseringar med Internetadresser. Stark i början med betydligt svagare när halvtimmen närmade sig. Även hörd 17.35. På morgonen störd av pastor Melissa Scott via Caribbean Beacon på Anguilla 6090. 4-2 CB
6155,26v	29.4		Radio Fides, Bolivia, 0002 reports, fair, stopped at 0018 by AIR RF Space SDR-14. GB
6160	19.4	2225	CKZN St.John's, Canada, CBC1 talks about Vietnam, good GB
6195,808v	29.4	0022	Radio Cusco, Peru, talks, great id by woman at 0052, Peruan music, fair (sometimes almost good!) RF Space SDR-14. GB
6220.02	29.4	2109	Mystery Radio med jingel-ID och musik nonstop. Q3. RFK
6173.89			Radio Tawantinsuyo , Cusco 1030 to 1040 weak with co channel splash. 18 April, 16 April [Wilkner]
6300	19.4	2200	National Radio of Saharui RASD, news, in AA, good GB
6300.02	1.5	1655	Delta Radio holländsk pirat ID-ade och spelade holländsk dansbandsmusik. Q3-4. RFK
7110	30.4	1805	Radio Ethiopia talade mycket om "Horn of Africa". Q3. RFK
7125	19.4	2320	CNR8 (presumed), China, Oriental language, no Conakri traces, fair GB
7145.08	30.4	1655	Radio Hargeisa med ekoeffekter på talet. Hörs bra nu när detta segment blivit fritt från internationella stationer. Q3. RFK
7175	30.4	1730	Voice of the Broad Masses , Eritrea med nyheter och intervjuer. Q3. RFK
7275	30.4	1655	REE med trevligt program om gruppen Audience. Q4. RFK
7290	2.5	1945	IRRS med "DX Partyline" där jag har ett bidrag den första lördagen i månaden. 4 CB
7850	19.4	2312	CHU , Canada, pips & ids, very good GB
9505	19.4	2120	Radio Record , Brazil, talks, weak/fair GB
9510	2.5	0800	Radio Joystick via IRRS. 4-5 CB
9560	2.5	1730	Radio Éthiopie med ID på franska. // 7165 kHz. 2 CB
9630	19.4	2140	Radio Aparecida , Brazil, religious, fair GB
9640	28.4	2310	Radio Habana , Cuba, presumed new frequency, talks about Ecuador, good GB
10000	19.4	2105	Observatorio Nacional, Brazil, time pips, repeated ids female (later male), fair (better in USB) GB
11725	19.4	2040	Radio New Zealand, talks EE, weak, off 2050 GB
11735	19.4	1830	Radio Tanzania Zanzibar , nice Afro mx, id local "Zanzibar" at 1844 and religious program. Good GB
11770	1.5	2000	Radio Habana Cuba med portugisiska till Europa på sin helt nya frekvens. 3-4 CB
11780	19.4	2032	Radio Nacional, Brazil, talks, fair GB
11815	19.4	1915	Brasil Central , Brazil, footbal live, good GB
11855	19.4	1940	Radio Aparecida , Brazil, talks, fair (Later on the frequency there is Family Radio in SS) GB
11925,2	19.4	1925	Radio Bandeirantes , Brazil, sport, fair GB
13730	19.4	2051	Radio New Zealand , talks EE, id and news at 2100 weak & fading GB
15190	26.4	0633	Radio Africa med Zion Ministries. Ett nytt program från samma producent började 06.59 utan något avbrott för ID eller liknande. 3 CB
15190	1.5	2113	Radio Africa med ID + kontaktinfo. 3 CB
15345	19.4	2025	Radio Nacional , Argentina, sport talks about River, good GB

Stationsnyheter

AUSTRALIA: SW TRANSMITTER site news

A trip yesterday out to **Radio Symban** (last week) revealed that they are now longer located at: 825 New Canterbury Rd, Hurlstone Park. Their NEW studio/office address is now: 867 New Canterbury Rd, Hurlstone Park NSW 2193. Unfortunately no one at office/studio at time of visit, as is so often the case with these small & mostly automated radio stations.

Interestingly whilst also checking out their former 2368.5kHz SW outlet on the ACMA website I now see no further reference to their (now) former SW TX site at: Peats Ridge, NSW. Licence expired - ?

It would appear that they intend to recommence SW operations using the same frequency 2368.5kHz from a new SW TX site location within Sydney at: 177 Victoria Lane, Marrickville NSW (an inner Sydney suburb).

There is no precision information associated with the licence so the SW TX site doesn't have to be located at the above address.

The new HF radio licence became effective from: 24/11/2008 valid for one year until renewal.

Interestingly I don't find 177 Victoria Lane when looking at Google Maps, although I do find 177 Victoria Street. Taking into account a nominal 200m GE coordinate correction, the coordinates do appear to be around the 177 Victoria Street address, which incidentally is a timber yard. We shall wait n see what eventuates.

Station is using: 151.6750000 MHz from the new studio site. You can find images of the studio (old & new) & VHF antenna at the following website: <http://shortwavesites.googlepages.com/other>

(Cheers, Ian Baxter, AUSTRALIA, shortwavesites Yahoo Group - The group devoted to SW transmitter site info & history via HCDX).

SOMALILAND. 7145, R Hargeisa, 1605-1901*, Apr 20 and 25, Somali news, political reports, music from Horn of Africa, 1700 ID, news mentioning Somalia, Oman, Nigeria, London, Israel, Tehran and Switzerland, ex 7120.1, 35433 (Anker Petersen, Denmark; Roland Schulze, Germany; and Johann Wiespointner, Schörfling, Austria, DSWCI DX Window April 29 via DXLD)

SUDAN. 7200, SRTC, 0215-0325+, May 2, tune-in to local Mid-East style music. Arabic talk. "Huna Omdurman" IDs. Qur`an at 0226-0249. Chirping birds. Radio-drama. Time pips at 0301:20, ID and possible news. Good. Strong. Sign on time seems to vary quite a bit. Appears to sign on anywhere between 0200-0237 (Brian Alexander, PA, DX LISTENING DIGEST)

Övriga radionyheter

ARC/SWB Konvent 2010

Vårt konvent årgång 2009 är nu lyckligt i hamn. Ett fylligt referat signerat BD kommer i sinom tid. Preliminärt skall nästa års konvent äga rum veckoslutet 24/25 april 2010. Det är alltså redan nu tid att markera dessa viktiga dagar i agendan för 2010. Tanken är att även nästa års konvent skall äga rum i Kanebergsstugan utanför Halmstad. (Christer Brunström)

Whistler Receiver Online

Our planet is a natural source of radio waves at audio frequencies. An online receiver at the Marshall Space Flight Center is playing these songs of Earth so anyone can listen.

Whistler Receiver Online Hear a NASA Project INSPIRE receiver in near-real-time from Huntsville, Alabama.

Lots of sferics, including tweaks and occasional whistlers, should be audible, particularly in the hours just before dawn at the receiving site.

Listen to the receiver through the SpaceWeather INSPIRE page <http://www.spaceweather.com/glossary/inspire.html>

and get more background on whistlers and related phenomena from this NASA news headline

http://science.nasa.gov/headlines/y2001/ast19jan_1.htm?list43215 (LWCA <http://lwca.org/>)

(Mike Terry via DXLD)

MORSE CODE MAKES A COMEBACK , THE CGC COMMUNICATOR, CGC #901, April 26, 2009

Here's a real surprise for those who think that Morse Code is dead or dying. It is reported that the number of Morse Code ("CW") logs submitted for the 2008 CQ World Wide DX Contest exceeded the number of voice ("SSB") logs for the first time in more than 20 years. A total of 5013 SSB logs and 5272 CW logs were submitted.

Adapted from Amateur Radio Newslite Report 1654 for 4/24/09

(Mike Terry via DXLD)

LATIN AMERICA LIST

On my Latin America on Short Wave blog I added a section with several QSL information about LA stations. The list can be useful to DXer looking for QSL from this continent. It was possible thanks to PlayDX list of QSLs received in last 12 months. If you are interested: <http://lasw.blogspot.com/>
(Giampiero Bernardini)

Burg 1575 goes dark

Acc. Douglas Kähler Voice of Russia German service announced today that 1575 will be closed down as of next week. Well, when this pilot project started in August 2006 it had been explained by Medienanstalt Sachsen-Anhalt that it includes analogue VoR relays "temporarily". Now, with the DRM bubble bursting, they apparently prefer silence over VoR relays, and Media Broadcast can write off all recent investments for 1575, like these <http://www.waniewski.de/id509.htm>
So it is quite possible that Sunday or Monday will be the last day of broadcasting from Burg ever.
And I just noted that the aerial images at present available from Google have been taken in the right moment: <http://maps.google.de/?ie=UTF8&ll=52.287945,11.908633&spn=0.002422,0.004828&t=k&z=18>
Cf. <http://www.waniewski.de/id502.htm> (and more interesting material in this series, including photos of 139 and 531 kHz transmitters, the latter silent for almost a year now, on page 5)
(Kai Ludwig Wilsdruff via DXLD)

The Grayland QDFA: Dallas Lankford's Remarkable Antenna Design

Guy Atkins har uppdaterat sin alltid mycket intressanta Perseus-blog med ännu en nyhet, denna gång om en rejäl antenskapsel, QDFA (Quad Delta Flag Antenna). Antennen har utvecklats av den välkände matematikprofessorn och tillika MV-dxaren Dallas Lankford. Slutgiltigt test gjordes tillsammans med Guy Atkins på en expedition i Grayland på amerikanska västkusten.

Antennen består av fyra deltaformade flagantenner på rad med inbördes cc-avstånd på 30 m. Hela antennenläggningen tar alltså i anspråk totalt 108 m. Antennen är med detta utförande mycket riktningssärlig samt dessutom med en extrem dämpning av signaler från baksidan. En beverage på 450 m eller längre klarar sig överhuvudtaget inte vid en jämförelse!

Guy Atkins inleder så här på sin blog: "Dallas Lankford of Ruston, Louisiana is well known among technically-minded DXers. He's one of the few highly skilled individuals who has consistently--for decades--created receiver modifications, antenna designs, white papers, tutorials, and has shared them freely with the DXing community. The Dallas Files section of the Kongsfjord.no Web site is a valuable and extensive reference of his contributions..."

For DXers, an MP3 is worth a thousand pictures... to twist a phrase. Check out the recordings in the article to hear what a four loop delta flag sounds like. This is a super antenna for Perseus owners, especially those with access to a coastal DX site.

Fullständiga uppgifter om hur det hela gick till samt flera jämförande inspelningar hittar du på denna länk: <http://perseus-sdr.blogspot.com/>

Ytterligare info finns att hämta på Bjarne Meldes hemsida där Dallas Lankford beskriver hur utvecklingen av antennen gick till. Dessutom finns här den kompletta byggbeskrivningen. <http://www.kongsfjord.no/dl/DX-peditions/Preliminary%20Uncrippled%20Grayland%20Quad%20Delta%20Flag%20Array%20Report%20rev%204.pdf>

Fort Collins facility sets the standard for keeping time

Quick — look at your cell phone, or glance your watch. What time is it right now?
Oh, really?

How can you be so sure?

That timepiece has to base its claims on something. When you set it, you told your microwave or your watch what time it was. You got that time from a different clock somewhere else. Meanwhile, a little computer or a piece of quartz has been keeping track for you, but what does it actually track? What is a minute, anyway? What's a second? At some point, somebody has to keep an eye on those definition so seconds don't get too short or too long, messing up everything from GPS satellites to the stock market to your paycheck. (Did you really work eight hours yesterday? According to whose clock?)

You can thank a bunch of radio engineers in Fort Collins for helping keep all that straight.

Four engineers in a compound northeast of the city keep watch, as it were, over the official atomic clock, and therefore the official time, of the United States. The antennas at radio stations WWV and WWVB broadcast radio waves that synchronize everything from the stock market to traffic lights to your alarm clock. WWV broadcasts a signal you can hear; WWVB broadcasts a signal only your radio-controlled clock will recognize. "Your computer clock has a crystal — it has the ability to keep your time," said Douglas Sutton, an engineer with the National Institute of Standards and Technology. But, he pointed out, it has its limitations. Eventually, the clock will be fast or slow, and you'll have to correct it. "Say, in one week, you lose a second," Sutton said. "Well, it's our job to make sure you can correct that back to the proper time, because you're referencing the standard."

The windswept home of the nation's timekeepers — where that standard is maintained — seems like any other rural site, complete with antelope tracks through the snow. But that's before you see the copper-lined doors, the flickering, unplugged fluorescent lights powered by ambient energy and the massive antenna towers.

Before the proliferation of radio-controlled clocks — there are 3 million to 4 million such clocks in the U.S. — government agencies were the atomic clock's main users. Civilian use started in the early 1990s, and now, radio-controlled clocks (commonly but inaccurately called "atomic") are widely available, often for a few dollars.

But they wouldn't work — whether in Hilton Head, S.C., or Walla Walla, Wash. — without the radio towers based in Fort Collins.

For the complete story, go to www.fortcollinsnow.com.

WWV can be heard with any shortwave radio. A typical shortwave radio provides coverage from about 150 kHz to about 30 MHz. WWV broadcasts the time at 2.5, 5, 10, 15 and 20 MHz. Telephone: Call (303) 499-7111 for WWV or (808) 335-4363 for WWVH, the atomic clock broadcast in Hawaii. Online: The NIST Internet Time Service allows users to synchronize their computer clocks via the Internet. Most of the servers are in Boulder. The service requires a download that you can configure to access a specific server. Visit nist.time.gov to learn more.

<http://www.greeleytribune.com/article/20090420/NEWS/904199981/1002/NONE&parentprofile=1001>

(Via Conxion Digital)

PACIFIC ASIAN LOG

AM Radio Guide Covers the Region and now Fully Updated and Available for FREE

The classic Pacific Asian Log of mediumwave [AM] radio stations on air across the entire region has now been updated at <http://www.radioheritage.net>

Produced by Bruce Portzer in Seattle WA, this extensive radio guide covers literally thousands of AM radio stations and is hosted by the Radio Heritage Foundation.

It draws on monitoring by many volunteers across the region, as well as information directly from broadcasters so it's accurate and up to date.

You can search the database or download a pdf version for your own non-commercial use by visiting www.radioheritage.net/PAL_search.asp today.

Many revised entries --- you'll find 1,379 AM listings for China alone, plus 630 for Japan, 352 for Australia. Each entry contains up to 7 data items, so that's almost 10,000 separate bits of data for China alone!!

On 1170 kHz, there are 35 stations across the region, the most powerful being DWVA Poro, Philippines with 1,000kW power, as well as KJNP North Pole [Alaska] and 2CH Sydney, Australia.

You'll find the Pacific Asian Log Radio Guide useful for business and vacation travel [just print out the stations from the countries you're visiting], radio monitoring, advertising and PR campaign media planning and much more...it's up to date and it's free.

The Pacific Asian Log traces its origins back to radio station call lists first published in New Zealand during the 1930's, and is volunteer supported and produced as a free service for everyone.

If you'd like to make a donation towards upgrading today's Radio Guides with even more information please use your VISA or Mastercard this today and just click on the donation button at www.radioheritage.net. All donations of NZ\$5 or more are tax deductible for New Zealand taxpayers. Thank you for helping us continue to maintain our free services. Watch for lots more new content soon, thanks to people like you.

The Radio Heritage Foundation, host of Bruce Portzer's Pacific Asian Log Radio Guides, is a registered non-profit organization connecting radio heritage and popular culture across the Pacific. You'll find us at: <http://www.radioheritage.net> where we're open 24/7. Come and visit us soon (David Ricquish, RHF, DX LISTENING DIGEST)

DBS - 11

Dear friends, A new edition of the Domestic Broadcasting Survey has been published by the DSWCI.

Please read about DBS-11 at <http://dswci.org/news/2009/0904/dbs.pdf> Best 73, (Anker Petersen, Denmark, April 30, HCDX via DXLD) viz.:

The DOMESTIC BROADCASTING SURVEY 11 (DBS-11), May 2009 edited by DSWCI Chairman, Anker Petersen. ISSN 1399-8218

The 52 years old DSWCI which counts experienced DX-ers in 33 countries all over the world as members, has just issued the 11th Edition of its annual Domestic Broadcasting Survey. This survey is divided into four parts:

Part 1: The 37th edition of the Tropical Bands Survey covering all ACTIVE broadcasting stations on 2300 - 5700 kHz.

Part 2: Domestic stations on international shortwave bands above 5700 kHz broadcasting to a domestic audience.

Part 3: All ACTIVE Clandestine shortwave stations are now listed in one frequency order with schedules and identifications.

Category 1: Opposition groups in exile and other Non-Governmental Organizations leasing airtime by international broadcasters.

Category 2: State authorized clandestine programmes.

Category 3: Covert broadcasts by opposition groups via own or local transmitters.

Part 4: Deleted frequencies between 2 and 30 MHz which have not been reported heard during the past five years, but may reappear.

This new Survey is based upon many official sources and DX-bulletins. A09 schedules are included when available.

In order to make the DBS reliable, our own monitors around the world have checked throughout the period May 2008 - April 2009, if each of the 1000 station frequencies is on the air. ACTIVE stations are marked with an A ("Regular"), B ("Irregular") or C ("Sporadic") in the list. D means "Likely inactive".

A unique feature is the right column called "Last log". It shows the last month and year before DBS deadline on April 27, 2009 when the particular station was reported logged by a DX-er somewhere in the world. This is another way of indicating the current audibility of the station. To avoid inactive stations in this DBS, most frequencies which have not been heard during the past year, have been deleted and are moved to Part 4.

Other useful features for easy identification (ID) are the parallel frequencies and reference to Station ID slogans. Reviews can be found on <http://www.dswci.org>

All buyers of DBS-11 will get a username and password to the monthly updates on the tropical bands published as "Tropical Bands Monitor" on our website. The similar data from 2005, 2006, 2007 and 2008 are available at <http://www.dswci.org/tbm> to anybody.

The 35 pages A-4 size DBS-11 is available by e-mail as pdf-format (about 452 KB). A limited number is also available printed on paper.

It is sold by the treasurer: DSWCI, c/o Bent Nielsen, Egekrogen 14, DK 3500 Vaerloese, DENMARK

E-Mail edition: DKK 40,00 or USD 8.00 or EUR 5,00 or GBP 5,00 or SEK 60,00 or IRC 5.

Printed edition: DKK 80,00 or USD 16.00 or EUR 10,00 or GBP 10,00 or SEK 120,00 or IRC 9. Payment by cash notes are accepted whereas checks and postal money orders are not accepted.

DSWCI Bank is Danske Bank, 2-12 Holmens Kanal, DK-1092 Copenhagen K. BIC/SWIFT : DABADKKK. IBAN: DK 44 3000 4001 528459. Danish buyers please use: Reg. 3001- konto 4001528459. If you have EURO as national currency, you are advised to pay to our representative in Germany, Andreas Schmid.

If you want to pay via PAYPAL, please unconditionally contact Andreas Schmid for information. Andreas Schmid, Lerchenweg 4, D-97717 Euerdorf, Germany. Account 2912472076 at Citibank BLZ: 30020900. BIC: CIPRDEDD. IBAN: DE24300209002912472076. Best 73's,

(Anker Petersen and Bent Nielsen, DSWCI DX Window April 29 via DXLD)