

# The **NASA** Journal

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North American Shortwave Association – America's Shortwave Broadcast Club



# NASA Notes

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This month's cover, prepared as always by John Herkimer, features a long time favorite of the shortwave bands, Radio Exterior de Espana. The station has operated under several different names over the years but listening to shortwave radio from Spain has always been a treat. They briefly left the shortwave spectrum but they returned to shortwave broadcasting fairly recently and with periodic English segments included. Check Listeners Notebook for times and frequencies for listening to international radio from Radio Exterior de Espana.

From our good friend Anker Petersen in Denmark we learn that the new edition of the Domestic Broadcasting Survey (DBS-21) available is now available. This is the twenty-first edition of this valuable DXing tool which is now offered free of charge for shortwave listeners worldwide. The completely updated DBS-21 with 15 pages is now available on [www.dswci.org](http://www.dswci.org), click Domestic Broadcasting Survey - Latest Issue. Any DX-er may download it FREE OF CHARGE and use it when DX-ing. I would be interested in hearing from club members through a Musing about their use of this shortwave DX aide.

A.J. Janitschek, Director Program & Operations Support for Radio Free Asia (RFA) announced that RFA's 5th design in their 'radio pioneer' QSL card series is Lee de Forest, 1873-1961, who was an American inventor with over 180 patents who described himself as the Father of Radio. He is best known for his 1906 invention of the 3-element "Audion" vacuum tube which was a significant contribution to making radio broadcasting

possible. Also, he was well-regarded for his influences on the development of long distance telephone lines and talking motion pictures. This is RFA's 70th QSL design and is used to confirm all valid RFA reception reports from May - August 2019. RFA encourages shortwave listeners to submit reception reports. Reception reports are valuable to the station as they help them evaluate the signal strength and quality of their transmissions. RFA confirms all accurate reception reports by mailing a QSL card to the listener. RFA welcomes all reception report submissions at <http://techweb.rfa.org> (follow the QSL REPORTS link) not only from DXers, but also from its general listening audience. Reception reports are also accepted by email at [qsl@rfa.org](mailto:qsl@rfa.org) and by regular postal mail to: Reception Reports, Radio Free Asia, 2025 M. Street NW, Suite 300, Washington DC 20036.

The 2019 International Radio Club of America (IRCA) Convention will be held on September 5, 6 and 7, 2019 at the Courtyard by Marriott Seattle Southcenter, 400 Andover Park West, Tukwila, WA 98188. Registration fee for non-members is only \$25.00. The banquet will be paid for individually by attendees. Guest room rate is \$109.00 plus tax. The phone numbers for room reservations are 800-321-2211 or 206-575-2500. You must mention the International Radio Club of America to get this rate. The hotel is 2 miles east of Sea-Tac Airport. Your host for this event is Mike Sandburn: [mikesandburn@hotmail.com](mailto:mikesandburn@hotmail.com).

Also from the IRCA is the IRCA Mexican Log which lists all medium wave stations in Mexico by frequency, including call letters, state,

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## Unity and Friendship

city day/night power, slogans, schedule in UTC, formats, networks and notes. The size is 8 ½ by 11 inches and is 65 pages. Prices to IRCA and NRC members is \$7.00 to US, \$8.50 to Canada, \$12.00 to Mexico and \$14.00 rest of the world. Non-IRCA/NRC members add \$2.00. Order from the IRCA Goodie Factory, 9705 Mary NW, Seattle, WA 98117-2334 or order to Phil Bytheway through PayPal to phil\_tekno@yahoo.com. Please state club affiliation when ordering.

Finally, if you are traveling to Europe this summer, consider the 2019 EDXC Conference that is being held in Andorra. Registration will open on the afternoon of Friday 6 September and the conference will start that evening. Conference sessions and excursions will run on Saturday 7th and Sunday 8th September. Organizers may arrange an informal day of local exploration for those who wish to stay on after the conference on Monday 9th September. The conference will be held at

the Golden Tulip Andorra Fenix Hotel, C/Prat Gran 3-5, AD700, Escaldes-Engordany, Andorra, Europe. Single room EUR75.12; Double/Twin room EUR85.85; Triple room EUR122.33. Extra nights are at the same prices. To book, e-mail reserves@daguaisa.com. Specify 'Golden Tulip EDXC Meeting' and your name. You must also pay a deposit of 30% by credit card. Cancellation rules: free cancellation up to 7 days before arrival, after 100% of the price will be charged. (These are the usual conditions of the hotel). If possible, please book accommodation before 1st June, but the price is still guaranteed after [www.andorrafenixhotel.com](http://www.andorrafenixhotel.com). More at <https://edxcnews.wordpress.com>. For other events see the club website [www.bdx.org.uk](http://www.bdx.org.uk) and <http://rsgb.org/main/news/rallies>.

That's it for this month. Enjoy this month's edition of the JOURNAL; it's another good one.



# Musings

Jerry Alice Lineback • 4422 Sierra Del Sol • Paradise, CA 95969-8116 • [jalinebk@gmail.com](mailto:jalinebk@gmail.com)

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*Please e-mail your Musings, preferably as MS Word attachments, to [jalinebk@gmail.com](mailto:jalinebk@gmail.com) or mail to Jerry Alice Lineback, 4422 Sierra Del Sol, Paradise, CA 95969-8116. Next deadline is May 22, 2019.*

## **Donald E. Stidwell, RM1, USN (Ret.), Suffolk, VA**

I figured as a new member of NASWA, I'd send a brief musing for your column. I have been an SWLer since my teens. I started back when I was in High School, probably about my Jr. or Sr. year with a Knight Kit Star Roamer that my dad had built. This would have been around 1969, 1970 (I graduated HS in 1970). I used this radio up through college (grad. 1974) and up until the time that I joined the Navy in 1976. Probably somewhere around 1980 or so, I upgraded to a Radio Shack DX-160. That was probably my favorite radio – I logged hundreds of SWBC stations on that radio – probably more unique stations on it than on any radio since. Amazingly, I still have logbooks back to 1979 and I love looking over them from time to time and reminiscing about the “good old days”. Over the years I've owned several Radio Shack rigs – more than I can honestly remember! I don't recall which radio I upgraded to from the

DX-160, but it was a RS rig and it had single side band mode which the 160 didn't have. That opened up utility DXing to me which was my major interest from about '79 until about '97 when I retired from the Navy.

My best radio was my Kenwood R-2000. This is the radio I used while stationed in Iceland and Spain (from about 1985-1992). It was a dream to use for Utility DX'ing. Unfortunately, it got "lost" during one of my moves and I no longer have it. After retiring from the Navy and settling here in Suffolk, VA, I somehow lost interest in SWLing and left the hobby. I did (and still do have) my Radio Shack DX-394A but it's mostly sat unused for over 20 years.

A couple months ago, I ran into some shortwave listening channels on YouTube and that sparked my interest in SWL again! So after about a 20 year hiatus, I'm back with a vengeance. In the past two months, I've joined NASWA and CIDX, and have purchased a Tecsun PL-660, a Tecsun S-2000, an RTL-SDR Blog SDR dongle, and arriving today an SDRPlay SDR rig. I've run a "longwire" in my attic (about 25 feet or so I'd guess) and am also using a Degen MS31 active loop in my office where my radios are located. Because I live in an HOA, I have to think about how I'm going to string an outdoor antenna in stealth mode, but I do plan to do so eventually. For now though, the two antennas I'm using now suffice.

I'll be retiring at the end of this year and I'm looking forward to spending some major time with the hobby and particular exploring all the modes on my SDRs. It's good to be back in the hobby!

Regards,

Donald E. Stidwell, RM1, USN (Ret.)

Ye Ed: You can try going portable on a mini-DXpedition if you need more antenna or to get away from interference.

**Jerry Alice Lineback, [jalinebk@gmail.com](mailto:jalinebk@gmail.com), Paradise, CA 95969**

The report from Paradise is that we are still in Roseville living in our 400 square feet. The house is being worked on and we may be able to move back in early May. Things have taken sooo long. If we are still here on May 8, it will have been 6 months. Our part of California is in its green season. Green grass, trees leafed out, orchards in bloom. The heat will soon be here and turn the land golden (fire season again).

This Musings column in the Journal is a forum for you to share your thoughts and memories regarding our mutual hobby. Please do so, preferably by e-mail.

73, Jerry Alice

*Please support Musings by contributing your thoughts and experiences. Thanks to our contributors. 73 de JAL*



# Publisher's Corner

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## QSL Contributions made easy

Most folks who have accumulated QSL cards over the years generally have stories to tell about them...the receiver they used, where they were listening at the time, band conditions, etc., and even QSL cards that others share can trigger listening memories – I know that's the case for me, anyway.

Some months recently we've had minimal contributions to Sam Barto's *QSL Report* column, and we'd sure like to see that column supported more. With some of us so used to using technology tools in our hobby, it might be tough for folks to use postal mail exclusively to get contributions over to Sam.

So here's a solution...scan your QSL cards and e-mail verification information (signers, addresses, turnaround times) to me at NASWA HQ (address [hq@naswa.net](mailto:hq@naswa.net)). I will print them out onto high quality paper and get them over to Sam for him to incorporate in the column.

They don't have to be current QSLs either, as we know that many stations don't issue colorful cards like they used to. Or, even if it's an e-QSL, sending over the graphics would be fine.

Even if you don't have a scanner, but have a smartphone with a camera, you can take a photo of the QSL and send that as well. If you drop me an e-mail I will give you my mobile phone number if that's easier to work with for you.

Let's get that QSL Report back to multiple pages each month!

## *Journal* arrived damaged in the mail? Let me know...

For US and Canadian members, we send the *Journal* each month without enclosing it in an envelope; this saves us in postage because the addition of the envelope takes us up an additional ounce in postage required. That adds roughly \$3 to the yearly cost for each member. Most of the time that doesn't seem to be a concern – but I know that sometimes the US Postal Service does maul the *Journal* in transit so that it's damaged by the time it reaches you.

If that happens drop me a note or an e-mail, and I will send out a replacement. So far, that seems to work out for most folks. But if it's a consistent problem for you let me know and we can work out a solution.

## Experiencing unusual springtime propagation? Let your fellow members know via the NASWA e-group and Facebook group

Sometimes the spring yields some interesting developments in what you can hear and when, and sometimes these developments may be very short-lived: A few hours at best. When that happens, share the joy! Take advantage of tools like the e-Group or Facebook to let folks know right away, so they can share in the fun if they're near their listening post. If you aren't a member of the e-group, send a note to Dan Ferguson ([k4voa@zerobeat.org](mailto:k4voa@zerobeat.org)); for Facebook, send a Facebook message or e-mail to me and we'll add you straightaway.

## Welcome to several new folks!

We've seen some new folks join us the past few weeks, particularly as e-members. Welcome to NASWA! Don't hesitate to get in touch with any of the column editors – whose contact info always appears at the top of their

column each month – if you have questions or have ideas or something to share. If it doesn't fit anywhere in particular, it might make a great Musing – send that to Jerry at [jalinebk@gmail.com](mailto:jalinebk@gmail.com)).

See you next month!



# Listening Review

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Hello and welcome to Listening Review for May.

Here is my updated list of music programs on Shortwave in English language for the A-19 period. I'll be producing a consolidated list including selected programs in non-English languages which I'll post to the Facebook page and to the NASWA IO group for you to download in early May. Alternatively, please email me, and I'll send you a copy by email as soon as it is ready.

Transmitter abbreviations are as used in WRTH. All times/days are UTC.

0000-2400	daily	World Music R World/Tropical music	5840-rnd 15805-rnd(0700-2000)(sa,su)
0530-2300	daily	Channel 292 Various hosted music & talk shows, 6070-roh with non-stop music at other times. 7440-roh-(testing with 6070 Flexible sign-on and sign-off pxs or non-stop music)	
0700-1800	daily	R Mi Amigo Int Mostly non-stop oldies, with DJ 3985-kll(mo-fr)(1700-1800) hosted shows at the weekend in 6085-kll(0700-1600) EN/FR and DU 7310-kll(su)(1000-1400)	
0700-2200	daily	Shortwave R Pxs repeat daily thru the week Shaun Geraghty: The Prog Mill 3975-win (0700-2200) Mark Stafford: Stafford's World, 6160-win (0700-2000) 80/90 American Top 40; Music Mix 9	
0800-1800	daily	R Marabu Varied mx (some occ in Engl).	6150-dat (via Europa 24)
2000-1300	daily	4KZ Varied oldies/hits 5055	
0000-0100	su	Mighty KBC Radio, But Not As We Know It	9925-nau
0000-0100	su	WBCQ Radio Timtron Worldwide	5130-bcq
0000-0100	mo	WBCQ Encore	7490-bcq
0000-0100	mo	WBCQ R New York Int	5130-bcq (every other week)
0000-0100	tu	WBCQ From the Isle of Music	7490-bcq
0000-0100	mo	WRMI Countdown2.Christmas R	5950-rmi 9395-rmi
0000-0100	tu,th,sa	WRMI Oldies (Bob Biermann)	5950-rmi 9395-rmi (th,sa: 0030-)
0000-0100	we	WRMI Jazz From the Left	5950-rmi 9395-rmi 7730-rmi
0000-0100	fr	WRMI VORW R Int	7730-rmi 9395-rmi
0000-0100	sa	WWCR Last Radio Playing (Blues)	4840 (sa following 1st fr)




0335-0400	sa	R NewZealand Int	Music 101	13840					
0340-0357	su	R Havana Cuba	Music with Message / Jazz Place	6000	6165				
<b>0400-0500</b>	sa	R NewZealand Int	Music 101	13840					
0400-0500	daily	WRMI Oldies (Bob Biermann)	9395-rmi						
0400-0500	daily	WTWW Greatest Hits (see 0100 for details)	5085 (Hour 4)						
0435-0457	mo	R Havana Cuba	From Havana (2-weekly)	6000	6165				
0440-0457	su	R Havana Cuba	Music with Message / Jazz Place	6000	6165				
<b>0500-0530</b>	mo-fr	V of Hope-Africa	Joyce Mwanza: Mx in the Morning	9680	11680				
0500-0600	daily	R Kuwait	Mix of talk and western mx	11970(drm)	15530				
0500-0600	daily	WRMI Oldies (Bob Biermann)	9395-rmi						
0500-0600	su-fr	WWCR World Wide Country Radio	4840						
0510-0530	su	NHK R Japan	FAW: Letters and Songs	5975-mos	9860-smg	11970-iss			
0510-0530	sa	NHK R Japan	Hit Tunes (1st) / MX Portraits (2nd)	5975-mos	9860-smg	11970-iss			
0535-0557	mo	R Havana Cuba	From Havana (2-weekly)	5040	6000	6060	6100	6165	
0540-0557	su	R Havana Cuba	Music with Message / Jazz Place	5040	6000	6060	6100	6165	
<b>0600-0630</b>	mo-fr	V of Hope-Africa	Joyce Mwanza: Mx in the Morning	9680	11680				
0600-0700	su	Channel 292	R Waves Int (1,3rd) (EN/FR)	6070-roh					
0600-0700	daily	R Kuwait	Mix of talk and western mx	11970(drm)	15530				
0600-0700	su,tu-fr	WRMI Oldies (Bob Biermann)	9395-rmi						
0600-0700	sa	WWCR World Wide Country Radio	4840						
0635-0657	mo	R Havana Cuba	From Havana (2-weekly)	6000	6060	6100	6165		
0640-0657	su	R Havana Cuba	Music with Message / Jazz Place	6000	6060	6100	6165		
0645-0700	tu-fr	V of Hope-Africa	Joyce Mwanza: Mx in the Morning	9680	11680				
<b>0700-0730</b>	tu-th	V of Hope-Africa	Joyce Mwanza: Mx in the Morning	9680	11680				
0700-0800	su	China Tibet R	Holy Tibet: Music Shangri La	4905	4920	6025	6110	6130	6200
0700-0800	daily	R Kuwait	Mix of talk and western mx	11970(drm)	15530				
0700-0800	su	R Mi Amigo Int	Bob's 60s Splash: Bob Le-Roi	6085-kll					
0700-0800	daily	WRMI Oldies (Bob Biermann)	9395-rmi						
0708-0800	sa	R NewZealand Int	Saturday Night with Phil O'Brien	5945					
0730-0800	su	Shortwave Service	Music programme	6005-kll					
0730-0800	mo,fr	Unique R	Sounds of Your Life	5045(lsb)					
0745-0800	tu-th	V of Hope-Africa	Joyce Mwanza: Mx in the Morning	9680	11680				
<b>0800-0900</b>	sa	IRRS	Radio City	9510-tig					
0800-0900	su	R Mi Amigo Int	Paul Graham: Soundtrack of 60s	6085-kll					
0800-0900	sa	R NewZealand Int	Saturday Night with Phil O'Brien	5945					
0800-0900	m,tu,f	Unique R	Sounds of Your Life	5045(lsb) (mo,fr: -0830)					
0808-0900	su	R NewZealand Int	Sunday Night with Grant Walker	5945					
0810-0900	mo-fr	KBS World R	One Fine Day with Lena Park (hr1)	9770					
0810-0900	sa	KBS World R	Saturday Playlist (Hour 1)	9770					
0830-0900	su	WWCR Musical Memories	4840						
<b>0900-1000</b>	sa	Channel 292	Easy Listening (4th)	6070-roh					
0900-1000	su	Channel 292	DARC (DX px includes mx)	7440-roh					
0900-1000	mo-fr	KBS World R	One Fine Day with Lena Park (1-2)	9770					
0900-1000	sa	KBS World R	Saturday Playlist (Hour 1-2)	9770					
0900-1000	su	R Mi Amigo Int	Johnny Lewis: Offshore R. Diary	6085-kll					
0900-1000	su	R NewZealand Int	Sunday Night with Grant Walker	5945					
0900-1000	sa	R NewZealand Int	Saturday Night with Phil O'Brien	5945					
0900-1000	sa	Unique R	Sounds of Your Life	5045(lsb) (alt weeks)					
0905-0930	su	V of Mongolia	Sunday music programme	12085					
0930-1000	mo,fr	Unique R	Sounds of Your Life	5045(lsb)					
<b>1000-1010</b>	mo-fr	KBS World R	One Fine Day with Lena Park (hr2)	9770					

1000-1010	sa	KBS World R	Saturday Playlist (Hour 2)	9770				
1000-1030	mo,fr	Unique R	Sounds of Your Life	5045(lsb)				
1000-1030	sa	Unique R	DX Prog - also includes music		5045(lsb)	(alt weeks)		
1000-1100	su,th	Channel 292	- su: R Ohne Namen	6070-roh				
			- th: Alt Universe Top 40					
1000-1100	su	R Mi Amigo Int	Bob James: The Radio Cave	6085-kll	7310-kll			
1000-1100	fr	R Mi Amigo Int	Bob Le-Roi: Bob's 60s Splash	6085-kll				
1000-1100	sa	R NewZealand Int	Saturday Night with Phil O'Brien	5945				
1010-1030	we	KBS World R	Sounds of Korea	9770				
1015-1030	fr-we	All India R GOS	Hindustani Music (various)	7270	13605	13695	15410(drm)	
			15770	17895				
1015-1025	sa	V of Vietnam	Weekend Music	9840	12020			
1030-1100	mo,fr	Hobart R Int	DX Prog - also includes music		5045(lsb)	(via Unique R)		
1030-1100	sa	Shortwave Service	Music programme	6005-kll				
1040-1055	sa-th	All India R GOS	Film music or duets	7270	13605	13695	15410(drm)	15770 17895
1100-1200	sa,su	Channel 292	- su: Easy Listening (1st)	6070-roh(sa)	7440-roh(su)			
			- sa: From the Isle of Music					
1100-1200	sa	Hamburger Lkl R	Radio City (4th Sat)	9485-goh				
1100-1200	su	R Mi Amigo Int	Stuart Vincent: Ship to Shore		6085-kll	7310-kll		
1100-1200	sa	R Mi Amigo Int	Johnny Lewis: Offshore R. Diary		6085-kll	7310-kll		
1100-1200	sa	R NewZealand Int	Saturday Night with Phil O'Brien	5945				
1100-1200	su-fr	WRMI Oldies (Bob Biermann)		5950-rmi				
1105-1200	su	R NewZealand Int	Hymns on Sunday	5945				
1106-1200	sa	BBC WS - Asia	BBC Music, Global Beats, Docu.	6195-sng	9900-sng	11945-sng		
1110-1130	su	NHK R Japan	FAW: Letters and Songs	11695-sng				
1110-1130	sa	NHK R Japan	Hit Tunes (1st) / MX Portraits (2nd)		11695-sng			
1115-1127	sa	R Slovakia Int	Musical Crossroads	6005-kll				
1130-1200	su	IRRS	16 Gwendoline Street	9510-tig				
1130-1140	daily	R Romania Int-mo;	Music Time; -tu: Your Music	13750	15130	15320	17670	
			-w,sa: Truly Romanian (Trad/folk mx)					
			-th,f: Music Highlights (Classical mx);					
			-su: All That Jazz					
1145-1155	sa	V of Vietnam	Weekend Music	9840	12020			
1200-1300	tu	R Mi Amigo Int	Johnny Lewis: Hello Europe!		6085-kll			
1200-1300	th	R Mi Amigo Int	Robbie or Stuart: Hello Europe!		6085-kll			
1200-1300	fr	R Mi Amigo Int	Paul Graham: W/E Starts Here		6085-kll			
1200-1300	sa	R Mi Amigo Int	Bob James: The Radio Cave	6085-kll	7310-kll			
1200-1300	daily	WRMI Oldies (Bob Biermann)		5950-rmi				
1205-1230	daily	R NewZealand Int	Music after Midnight	5945				
1240-1257	sa	R Tirana	Folk Traditional Music	6005-kll				
1245-1257	w,th,f	R Tirana	Hits Thru Years; Music (modern)	6005-kll				
1245-1255	sa	V of Vietnam	Weekend Music	9840	12020			
1300-1320	daily	V of Turkey	Music selection (varying time)	15450				
1300-1400	su	Channel 292	The Grooveline Series (1st)	6070-roh				
1300-1400	sa,su	KBS World R	-sa: Hottest KPOP -su: Flashback	9570	15575			
1300-1400	fr	R Mi Amigo Int	Stuart Vincent: Ship to Shore		6085-kll			
1300-1400	sa	R Mi Amigo Int	Paul Graham: Soundtrack of 60s		6085-kll	7310-kll		
1300-1400	sa	V of Hope-Africa	Pat Conrad: Jazz Session	9680	13680			
1300-1400	mo-sa	WRMI Oldies (Bob Biermann)		5950-rmi				
1300-1400	th	WRMI VORW R Int		15770-rmi				
1345-1355	sa	V of Vietnam	Weekend Music	9840	12020			

1350-1400	daily	All India R GOS	Light or film music & duets	13695			
1400-1500	mo,fr	Channel 292	R Ohne Namen	6070-roh			
1400-1500	fr,sa	R Mi Amigo Int	Emperor Rosko:LAConnection(pt1)	6085-kll			
1400-1500	daily	WRMI Oldies (Bob Biermann)		5950-rmi			
1405-1500	daily	V of America	VOA1 - The Hits	4930-bot	6080-bot	15580-bot	
1410-1455	daily	All India R GOS	Film music; duets; Indi-pop (var)	13695			
1410-1430	su	NHK R Japan	FAW: Letters and Songs	9450-tac	9605-hbs		
1410-1430	sa	NHK R Japan	Hit Tunes (1st) / MX Portraits (2nd)		9450-tac	9605-hbs	
1410-1500	daily	R Sultanate Oman	Usually Western/English pops		9620 (alt: 15140)		
1435-1500	sa	R NewZealand Int	Hymns on Sunday	5980			
1445-1457	fr	R Slovakia Int	Musical Crossroads	6005-kll			
1445-1500	su	V of Hope-Africa	Music in the Afternoon	9680	13680		
1500-1600	mo-sa	Channel 292	DARC (DX px includes mx)	6070-roh(mo)	7440-roh-(mo-sa)		
1500-1600	mo-fr	KBS World R	K-POP Connection	9515			
1500-1600	sa	KBS World R	Saturday Playlist (Hour 1)	9515			
1500-1600	fr,sa	R Mi Amigo Int	Emperor Rosko:LAConnection(pt2)	6085-kll			
	su	SpaceLine	From the Isle of Music	9400-sof			
1500-1600	su	WWCR Nashville	Cowboy Church	12160			
1505-1600	daily	V of America	-sa,su: Music Time in Africa	4930-bot	6080-bot	15580-bot	
			-mo-fr: Border Crossings	17530-bot			
1515-1525	sa	V of Vietnam	Weekend Music	9840	12020		
1535-1600	su	V of Mongolia	Sunday music programme	12015			
1545-1557	fr	R Slovakia Int	Musical Crossroads	6005-kll			
1600-1700	su	China Tibet R	Holy Tibet: Music Shangri La	4905	4920	6025	6110 6130 6200
				7255	7385		
1600-1700	sa,su	KBS World R	-sa: Hottest KPOP -su: Flashback	9640			
1600-1700	mo-fr	KBS World R	K-POP Connection	9515			
1600-1700	sa	KBS World R	Saturday Playlist (Hour 2)	9515			
1600-1700	mo-th	R Mi Amigo Int	Golden Era of Offshore AM R	6085-kll			
1600-1700	fr	R Mi Amigo Int	Robbie Owen: Jukebox Drive In	6085-kll			
1600-1630	mo-fr	V of Hope-Africa	Lombe Machilika: Mx in Evening	4965	6065		
1600-1700	sa	V of Hope-Africa	Song in the Night	9680	13680		
1615-1625	sa	V of Vietnam	Weekend Music	7220	7280	9730	
1630-1655	su	R Taiwan Int	Jukebox Republic	9405			
1630-1650	sa,su	V of America	Nightline Africa - Music from Af	4930-bot	5930-bot	15580-bot	
1630-1700	sa	WWCR	Musical Memories	12160			
1635-1655	tu	R Taiwan Int	Jade Bells and Bamboo Pipes	9405			
1700-1720	daily	V of Turkey	Music selection (varying time)	15520			
1700-1730	sa	WWCR	Talking Machine Show	12160			
1700-1800	tu	R Mi Amigo Int	Johnny Lewis: Hello Europe!	3985-kll			
1700-1800	th	R Mi Amigo Int	Robbie or Stuart: Hello Europe!	3985-kll			
1700-1800	fr	R Mi Amigo Int	Paul Graham: W/E Starts Here	3985-kll			
1700-1800	mo-fr	V of Hope-Africa	Lombe Machilika: Mx in Evening	4965	6065	(m,tu,f: -1730)	
1700-1800	sa	V of Hope-KVOH	Song in the Night	17775			
1705-1800	su	R NewZealand Int	Hymns on Sunday	6115(drm)			
1730-1740	daily	R Romania Int-su:	Music Time; -mo: Your Music	9760(drm)	11850		
			-tu,fr:Truly Romanian (Trad/folk mx)				
			-we,th: Music Highlights(Classical mx);				
			-sa: All That Jazz				
1730-1800	su	Shortwave Service	Music programme	3985-kll			
1745-1800	daily	All India R GOS	Devotional Music	7550(drm ch1)	9445	9910	11935

1800-1900	tu	Channel 292	R Ohne Namen	6070-roh	
1800-1900	sa	KBS World R	Saturday Playlist (Hour 1)	9785	
1800-1900	daily	R Kuwait	Mix of talk and western mx	15540(drm)	
1800-1900	mo-fr	V of Hope-Africa	Lombe Machilika: Mx in Evening	4965 6065 (except 1830-1845)	
1800-1830	su	WWCR Musical Memories		12160	
1810-1900	mo-fr	KBS World R	K-POP Connection (Hour 1)	9785	
1815-1830	fr-we	All India R GOS	Hindustani classical or light music	7550(drm ch1)	9445 9910
				11935	
1815-1900	fr	IRRS Radio City (3rd Fri)		7290-tig (or irreg: 2nd/4thfri)	
1825-1900	daily	Bangladesh Betar	Local & western mx (varying time)	4750 (alt:13580)	
1830-1850	sa,su	V of America	Nightline Africa-Music from Af	4930-bot 6080-bot 15580-bot	
				17530-grv	
1845-1900	fr-we	All India R GOS	Film or light music	7550(drm ch1)	9445 9910 11935
1900-1915	fr	IRRS Radio City (3rd Fri)		7290-tig (or irreg: 2nd/4thfri)	
1900-1920	daily	V of Turkey	Music selection (varying time)	9785	
1900-2000	tu,fr	Channel 292	- tu: From the Isle of Music	6070-roh	
			- fr: Encore		
1900-2000	mo-fr	KBS World R	K-POP Connection (Hour 1-2)	9785	
1900-2000	sa	KBS World R	Saturday Playlist (Hour 2)	9785	
1900-2000	daily	R Kuwait	Mix of talk and western mx	15540(drm)	
1910-1945	su-fr	All India R GOS	Hindustani; film music/duets (var)	7550(drm ch1)	9445 9910 11935
1915-1927	fr	R Slovakia Int	Musical Crossroads	3985-kl	
1915-1925	sa	V of Vietnam	Weekend Music	7280 9730	
1930-2000	su	Shortwave Service	Music programme	3985-kl	
1935-1957	su	R Havana Cuba	From Havana (2-weekly)	15140	
1940-1957	sa	R Havana Cuba	Music with Message / Jazz Place	15140	
2000-2010	mo-fr	KBS World R	K-POP Connection (Hour 2)	9785	
2000-2030	tu	Channel 292	Uncle Bill's Melting Pot	6070-roh	
2000-2100	sa,su	KBS World R	-sa: Hottest KPOP -su: Flashback	9785	
2000-2100	daily	R Kuwait	Mix of talk and western mx	15540(drm)	
2000-2030	su	Shortwave Service	Music programme	3985-kl	
2000-2100	sa,su	V of America	Music Time in Africa	4930-bot 4960-sao(2030-)	6195-bot 15580-bot
2000-2100	mo-fr	V of America	African Beat	4930-bot 6195-bot	15580-bot
2000-2100	mo-sa	WRMI Oldies (Bob Biermann)		5950-rmi	
2000-2100	mo	WWCR Inspirations Across America		9350 (Gospel Rock)	
2045-2055	sa	V of Vietnam	Weekend Music	7220	
2050-2100	daily	All India R GOS	Hindustani light or Carnatic music,	7550(drm ch1)	9445 9910
				11620 11740	
2100-2120	daily	V of Turkey	Music selection (varying time)	9620	
2100-2130	th	WWCR Talking Machine Show		9350	
2100-2200	su	WBCQ Marion's Attic		7490-bcq	
2100-2200	fr	WBCQ Behaviour Night		7490-bcq	
2100-2200	sa,su	WRMI Oldies (Bob Biermann)		5950-rmi 9395-rmi	
2100-2200	th,fr	WRMI VORW R Int (or 2000-2100)		7780-rmi(th) 9955-rmi(fr)	
2105-2200	su-th	V of America	VOA1: -su: Country Hits USA	6195-bot 15580-bot	
			-mo: Soul Lounge -tu,w,sa: The Hits;		
			-th: Top 20		
2105-2200	fr	V of America	Music Time in Africa	6195-bot 15580-bot	
2110-2200	daily	All India R GOS	Hindustani classical music (var)	7550(drm ch1)	9445 9910
				11620 11740	
2130-2200	we	WBCQ Goddess Irena 1 Music Show		7490-bcq	

2145-2155	sa	V of Vietnam Weekend Music	7280 9730
2200-2230	m,w,f	R Exterior Esp. Includes frequent music features	9690 11670 11940 12030
2200-2230	su	WBCQ Uncle Bill's Melting Pot	7490-bcq
2200-2300	sa, su	KBS World R -sa: Hottest KPOP -su: Flashback	11810
2200-2300	th,s,s	WRMI VORW R Int (or 2100-2200)	5950-rmi(th) 7570-rmi(su) 7780-rmi(sa) 9395-rmi(sa) 9955-rmi(th)
2200-2300	mo-fr	WRMI Oldies (Bob Biermann)	5950-rmi 9395-rmi (m,w,f: -2230)
2230-2240	daily	R Romania Int-su: Music Time; -mo: Your Music	5945 7310 7325 9790
		-tu,fr: Truly Romanian (Trad/folk mx)	
		-we,th: Music Highlights(Classical mx);	
		-sa: All That Jazz	
2230-2250	daily	V of Turkey Music selection (varying time)	9830
2245-2300	daily	All India R GOS Devotional Music	6045 7550(drm ch1) 9445
2300-2400	su	WBCQ Grits Radio	5130-bcq
2300-2400	sa	WBCQ Radio Timtron Worldwide	5130-bcq
2300-2400	daily	WRMI Oldies (Bob Biermann)	5950-rmi 9395-rmi
2300-2400	mo	WWCR World Wide Country Radio	9350
2300-2400	fr	WWCR Last Radio Playing (Blues)	9350
2315-2330	daily	All India R GOS Hindustani light or Carnatic music	6045 7550(drm ch1) 9445
2315-2327	fr	R Tirana Music (modern)	5850-rmi
2330-2400	sa	Hobart R Int DX Prog - also includes music	7780-rmi
2330-2400	sa	WTWW Theater Organ From the Ozarks	5085
2335-2357	su	R Havana Cuba From Havana (2-weekly)	7380
2340-2357	sa	R Havana Cuba Music with Message / Jazz Place	7380
2345-2355	sa	V of Vietnam Weekend Music	9840 12020
2350-2400	daily	All India R GOS Film music; duets; Indi-pop (var)	6045 7550(drm ch1) 9445

Please let us know if you listen to any of the above (and also any comments you have about those programs), or if you have any additions or corrections to the above list. 

# International Broadcasting

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## "Funny news" from Radio Ozodi (RFE/RL Tajik)

With daily output in 60 languages, it's inevitable that someone working for the entities of the US Agency for Global Media will broadcast or post something that is offensive or questionable or deviates from US policies.

Recently an entire language service of RFE/RL has caused controversy. It first received

journalistic attention in a story by Peter Leonard in Eurasianet, March 26 ([bit.ly/2XIiWpb](http://bit.ly/2XIiWpb)). "Over the course of a months-long investigation into Radio Ozodi [RFE/RL Tajik], Eurasianet has heard multiple accounts, from almost a dozen current and former staffers, about contacts between Tajik officials and Ozodi editors. According to Eurasianet's sources, that communication has over several years led to Prague-based senior editors at RFE/RL quashing or watering down sto-

ries – especially those that reflect badly on President Emomali Rahmon and his extended family.”

Radio Ozodi’s bureau in Dushanbe is a factor: “In other Central Asian countries, RFE/RL managers confront many of the same dilemmas faced in Tajikistan. But in Uzbekistan and Turkmenistan, RFE/RL correspondents operate under the radar, without official accreditation. In Tajikistan, the broadcaster has an officially recognized bureau. Maintaining that presence is deemed a priority for Ozodi.”

And, given that Tajiks are largely out of the habit of listening to shortwave, the presence of a local radio station in Tajikistan relaying Radio Ozodi content was another factor. The contract for broadcasting 10-minute daily news bulletin produced by Ozodi was awarded to Radio Imruz, owned by a holding company controlled by Asadullozoda, the president’s brother-in-law. But Radio Imruz “made editorial demands.” According to a source, Abbas Djavadi, RFE/RL’s director of programming for Central Asia, told Ozodi it “should not send critical material.” “He said we should just send them things about culture, funny news, something positive.”

In an “open letter” published March 28 in openDemocracy ([bit.ly/2GBNNwU](http://bit.ly/2GBNNwU)), 22 experts wrote “Radio Ozodi [RFE/RL Tajik], once the most credible source of news and information in the country, has become a mouthpiece for the deeply corrupt authoritarian government of Tajikistan’s President, Emomali Rahmon. RFE/RL leadership, and the US Agency for Global Media which oversees it, have long neglected credible allegations of conflicts of interest surrounding Ozodi’s ties to businesses owned by the Rahmon family and its lack of editorial independence from the Tajik government.”

## Heads rolled

RFE/RL was already aware of the controversy. In a March 25 press release ([bit.ly/2vld-0WX](http://bit.ly/2vld-0WX)), RFE/RL acting president Daisy Sindelar stated that a “review found that RFE/RL’s Tajik Service failed to live up to RFE/RL’s standards.” They also “commissioned an independent external editorial review of Tajik Service content” and asked the State Department’s Office of the Inspector General to investigate “non-editorial allegations.”

On April 2, RFE/RL announced ([bit.ly/2L-6WbtC](http://bit.ly/2L-6WbtC)) the retirements (“resign” in the headline) of its regional director for Central Asia and its Tajik Service director. The career accomplishments of each manager were included in the press release.

The Ozodi story raised its profile in an April 17 piece in the Columbia Journalism Review by Katherine Khashimova Long ([bit.ly/2GE-5P1g](http://bit.ly/2GE-5P1g)). She quoted Ed Lemon, a Central Asia expert who helped draft the open letter, saying that Ozodi reporters are “operating in contexts where security services are powerful and play a role in threatening journalists. Their mandate is still to create content that is critical and contributes to democracy. You’d think there would be training for journalists.”

RFE/RL spokesperson Joanna Levison “disputed that Ozodi lacked a protocol for responding to security threats. RFE/RL reporters are told not to talk to security agents, and to report any contact up the chain of command.”

## “Thin gruel”

The CJR piece concluded: “Supporting fair, hard-hitting journalism is particularly important in Tajikistan. Apart from Radio

Ozodi, the Tajik news diet is a thin gruel of official press releases repackaged for nationalized media outlets, a slew of semi-independent radio stations and pamphlets, and a handful of opposition websites which are usually blocked.”

If the RFE/RL Ozodi controversy had not already caught the attention of official Washington, it probably did with the the headline, “U.S. Broadcaster Under Scrutiny for Disseminating Autocratic Propaganda,” April 25<sup>th</sup> in the Wall Street Journal. In the story (on [wsj.com/2DzJyRM](http://wsj.com/2DzJyRM)), by Jessica Donati, RFE/RL acting president Daisy Sindelar confirmed some of the assertions in a State Department memo, “including that the Tajikistan service’s director, Sojida Dhakfarova, who stepped down this month, was formerly married to a onetime senior Tajik government official, Saimukhtor Bekov, head of investigations in Tajikistan’s antinarcotics agency.

“Mr. Bekov was arrested in 2015 by the Tajik government on bribery-related charges, according to media reports and the memo. Radio Ozodi didn’t carry news of his arrest when it happened, even though it was widely covered in local media, according to the memo. The broadcasting service reported the arrest 11 days later, omitting Mr. Bekov’s name, the memo said, an assertion confirmed by Ms. Sindelar. Mr. Bekov was later found guilty and sentenced to a prison term.”

## Lessons learned?

This incident demonstrates the trade-offs often necessary in modern-day international broadcasting. In the old days, newsgathering from within the target country was sparse, and whatever news could be gathered was sent back in to the country via shortwave or medium wave. Now, with shortwave out of fashion, audiences must be acquired by the placement of content on domestic radio and television stations in the target country. The presence of a bureau, or at least a permanent correspondent, inside the target country also establishes the international broadcaster as a substantial purveyor of news. Both of these resources may require playing by rules that depart from U.S. journalistic norms.

Problems such as experienced by Ozodi may have been spotted earlier by a thorough program review process. At VOA, such annual reviews were conducted for each language service, until recent years, when the pseudo-scientific “Impact Model” became the focus. The old VOA program reviews examined samples of content to ensure adherence to journalistic standards and production values. They also allowed the language service management and staff to vent their concerns to VOA senior management and to list their needs for support.

See Kim’s projects: <https://twitter.com/kaedot-com> and <http://swradiogram.net>



### New Address

Please note that NASWA has a new address:

**P.O. Box 3292, Allentown, PA 18106**

E-mail can be sent to [hq@naswa.net](mailto:hq@naswa.net). The 45 Wildflower Road address is now closed.

# Shortwave Center

John Figliozi • 45 Algonquin Rd • Clifton Park, NY 12065 • jfiglio1@nycap.rr.com

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## SHORTWAVE PROFILE

### BBC Ascension Relay Managing SW Broadcasts From Ascension Island

The remote Atlantic Relay Station transmits critical radio broadcasts to millions in Africa and beyond.

By Neale Bateman – Apr. 2, 2019

*(The author works at Encompass Digital Media, managing the transmission and distribution services for BBC World Service.) [Radio World magazine – Reprinted by permission.]*

ENGLISH BAY, Ascension Island — A six-mile stretch of volcanic rock in the middle of the South Atlantic Ocean is home to the BBC's Atlantic Relay Station.

Now managed and operated by Encompass Digital Media on behalf of the **BBC World Service**, the stations' six powerful shortwave transmitters on Ascension Island beam program in a dozen or more languages to some 30 million listeners in north, west and central Africa.

It's a remarkable and fascinating diversion for a digital media business better known for providing video streaming, TV playout and OTT services — but it's not only the shortwave transmission site on Ascension that Encompass is responsible for. The company's engineers also run the island's power station (consisting of five diesel generators and five wind turbines) as well as a reverse osmosis

desalination plant, supplying electricity and drinking water to the island's population of more than 800 people.

#### A Brief History

Originally garrisoned by the British Navy in the early 19th century, Ascension Island, a British overseas territory, proved to be a useful stopping off point for ships crossing the Atlantic due to its location almost halfway between Africa and South America. It remains a strategic communications and logistics hub for both the United Kingdom and United States.

The United States built an airbase on the island during World War II and later expanded the runway to allow for larger aircraft — it even served as an emergency runway for NASA's Space Shuttle, although thankfully it was never used.

The British Royal Air Force also has a military base on the island, sharing the same runway. It was a key base during the Falkland Islands conflict in 1982.

The European Space Agency maintains a monitoring base there along with a small monitoring site for NASA and the United States Department of Energy.

In the mid-1960s, the **BBC** built a relay station at English Bay on the northern tip of the island to transmit shortwave radio broadcasts to Africa and South America, plus a power station to provide the electricity.

## A Lifeline for Africa

For more than 50 years, the Atlantic Relay Station has transmitted critical radio broadcasts to millions of listeners in some of the remotest parts of Africa. The daily broadcasts include transmissions in English, French, Arabic, Hausa, Somali, Swahili and several other African languages, and more recently has added transmissions for other international broadcasters as well as the **BBC**.

The shortwave transmitters include two 250 kW Marconi BD272 transmitters originally installed in 1966 (and still in daily use) and four 250 kW RIZ K01 transmitters, which are also capable of transmitting in **Digital Radio Mondiale** mode.

Each transmitter can be switched to one of more than 20 antennas, which consist of HF curtain arrays beaming toward target areas in Africa and South America. Programming from London is delivered via satellite, with resilience and backup feeds provided by Encompass. The power station is staffed around the clock with engineers taking remote control of the transmitter site outside of peak broadcast times.

## Transmission

Ascension typically transmits around 1,800 hours of program each month on shortwave for the BBC and other broadcasters. Most of these are beamed into Africa, but with the massive footprint of a shortwave transmission, some frequencies are also audible across much of Europe and the Middle East. Al-

though the BBC closed its shortwave service for North and Latin America some years ago, the ability to transmit westward still exists.

There are currently no regular scheduled **DRM** broadcasts from Ascension Island but it has recently transmitted several digital test transmissions to South Africa and Brazil, proving that DRM on the shortwave bands (DRM30) can reach vast international audiences and deliver high-quality audio as well as data services.

The station's engineers also maintain the island's FM transmitters on Green Mountain (an extinct volcano), which broadcasts **BBC World Service** and the British Forces radio service (**BFBS**) to the local audience of servicemen and women, civilian contractors and their families.

## Operating Challenges

Atmospheric conditions, seasonal variations, sunspots and a host of other factors determine the propagation of shortwave transmissions and therefore affect the audibility of the signal in the target area. Encompass' specialist team of frequency managers plan all of the **BBC's** transmissions and work closely with other international broadcasters to choose the optimum frequencies at various times of the day. But in the case of Ascension, that's the least of the problems of operating a high-power transmitter site on a large volcanic rock in the middle of the ocean.

Getting supplies, spares, and, of course, staff on and off this remote island, nearly 2,000 miles off the west coast of Africa, is an enormous logistical challenge. Advance planning is essential; everything has a lead-time of several weeks if not months. When the transmitter station needs a spare part, you can't just drive to the local store or order on-line.

A supply ship from the U.K. calls at Georgetown several times a year, but the islands' only "convenience store" usually sells out of fresh fruit and vegetables within the first week of a new delivery.

Until a little over a year ago, reaching Ascension Island was relatively straight forward; an RAF plane bound for the Falkland Islands used to touch down on the island twice a week to refuel.

However, there is currently a major project being undertaken to repair and resurface the runway and until this is completed, regular access is limited to much smaller military planes.

There is one commercial flight a month from Ascension's nearest neighbor, Saint Helena

(more than 800 miles, or a two-hour flight away) that links with Johannesburg, but these few military and commercial routes are the only opportunities to get people and goods to and from the island.

Without all of the vital resources and services provided by Encompass engineers, the daily shortwave broadcasts simply wouldn't happen, let alone the 24/7 power and water supply to the island's population. The 800 or so people living on the island are in a unique position, and they have to work together in order to survive.

The shortwave transmitter station is as important today as ever, broadcasting to one of the BBC's largest audiences in the world — all from a rock in the middle of the South Atlantic.

## SHORTWAVE VINTAGE RECEIVERS

# Collector's Corner - Racal RA17 / RA121A / RA237B

With Nick Van Stigt, BDXC

April 2019 edition of Communication

Reprinted by permission

I picked up the **RA17L** and **RA121A** from a company called John's Radio around 1983 (I think), when they were selling off a big tranche of UK ex-government equipment.

The **RA17** was probably the most widely deployed HF set in the British armed forces and diplomatic services in from the mid 1950s to mid 1960s. It was the UK's answer to the US **R390**, manufactured by a number of US com-

panies around that time, including **Motorola** and **Collins**.

The **RA17** featured one of the first commercial implementations of an ingenious frequency drift cancelling system invented by the South African company **Barlow Wadley**. It employs a triple conversion superhet and a 1MHz crystal-derived comb generator to cancel the frequency drift of the first (wide tuned) local oscillator and works very effectively. Drift from the subsequent kHz tuning oscillator is not cancelled by the Wadley loop however, but this is quite low once the set has warmed up.

The **RA17** features independent MHz and kHz tuning and a kHz tuning dial that consists of 1.5m of 35mm film per 1MHz of frequency span (giving the often quoted 145ft tuning dial for the whole 30MHz of coverage).

In terms of sensitivity and selectivity it still compares well with my much more recent **Kenwood TS440**, and has far better strong signal handling, even though mine is now over 50 years old.



Pictured RA17L (main receiver - bottom of stack), RA121A (middle), RA237B (top of the stack)

The **RA121A** is an Independent Sideband (ISB) adaptor, that takes one of the 100kHz IF outputs from the back of the **RA17L** and feeds it into two independent product detector chains. So you can listen on LSB and USB at the same time (this was intended for use on HF teleprinter circuits and multi-circuit audio feeds for broadcast relay stations, I believe).

One neat feature, from a DX point of view, is that it can lock its local oscillator to the carrier of an incoming signal (if there is one), so you can do what later became called 'exhalted carrier' reception on an AM signal. I sus-

pect that the original purpose of this would have been to lock to a partially suppressed carrier of an ISB signal, so it would stay on tune for extended periods of time unattended. It also has a very elaborate tuning indicator, basically a small oscilloscope tube, that displays a Lissajous figure from the LO (on the X axis) and the received carrier (on the Y axis). Again, a necessary feature for tuning in teleprinter signals accurately, but overkill for much else. Not bad tech for the early 1960s.

The **RA237B** is a VLF converter that covers 10kHz to 1MHz. If you wondering "why bother?" Well, there are military (submarine) communications and maritime (VLF beacons) down there that some people are interested in. A barefoot **RA17** does not work well in the 0MHz setting, especially below 500kHz.

The RA237B is a bit of a misfit in this setup - the actual VLF converter model that should go with the other two units is an RA137A, but working examples of these in good condition are extremely rare (if anyone out there has one for sale, please let me know...). The RA237 was intended to be used with the slightly later RA117 radio, which employs a similar frequency conversion scheme to RA17. The 'B' suffix indicates that it uses a US valve lineup rather than a UK/European one (I bought mine off eBay from a guy in Ontario about 15 years ago).

(Next page) The BBC's receiving station at Crowsley Park, Oxfordshire, showing a bank of Racal RA17's as well as two RA17's at the control desk. Signals were fed from Crowsley by post office landline to monitors listening at Caversham Park three miles south of Crowsley. Some RA17s continued to be used at both Caversham and Crowsley into the early 1980s. (Photo courtesy [bbceng.info](http://bbceng.info))



## SHORTWAVE – State of the Medium

# Trends in tropical bands broadcasting 2019

by Anker Petersen

Since the **Danish Short Wave Club International** published the first annual **Tropical Bands Survey** in 1973, I have registered

which stations are active, based upon loggings from our members and other DX-ers around the world. Here is an updated status where Clandestine and Pirate stations not are included.

### Active domestic transmitters on 2200 – 5800 kHz

Region	1973	1985	1997	2009	2019
Central Africa	102	76	40	18	3
Southern Africa	57	39	33	20	7
Middle East	9	4	1	0	0
Indian Subcontinent	62	45	45	29	14

South East Asia	40	29	21	4	1
Indonesia	171	105	65	13	2
China, Taiwan, Mongolia	119	110	75	32	19
CIS (former USSR)	61 59	47	7	4	
Far East	38	28	28	9	6
Papua New Guinea	17	20	20	15	2
Australia and other Pacific	10	4	13	8	4
Central America, Mexico	21	23	24	5	1
Caribbean	29	3	3	2	3
Northwestern South America	98	41	19	3	1
Ecuador	47	33	22	5	0
Peru	78	69	78	28	6
Bolivia	35	42	25	14	3
Brazil	107	87	67	35	16
Southern South America	5	2	1	0	0
<b>Total</b>	<b>1106</b>	<b>819</b>	<b>627</b>	<b>247</b>	<b>92</b>

During the past year the previous trend, that Tropical stations slowly disappear, continued throughout the world with a loss of about 10 stations, including Meyerton in South Africa. The reason is, that other media get higher priority, than keeping elderly Shortwave transmitters alive.

Here are some of the stations on the Tropical Bands, which have closed down during year 2018 or 2019:

<b>kHz</b>	<b>kW</b>	<b>Station</b>	<b>Country</b>	<b>Last log</b>
3230	100	So. African R League,	Meyerton South Africa	AUG18
3250	100	PBS, Pyongyang	North Korea	JAN18
3255	100	BBC, via Meyerton	South Africa	MAR19
3320	100	R Sonder Grense,	Meyerton South Africa	MAR19
3345	100	Channel Africa,	Meyerton South Africa	MAR19
3925	50	R Nikkei,	Nagara, Chiba, Tokyo Japan	SEP18
4765	10	R Integração,	Cruzeiro do Sul, AC Brazil	FEB18
4790	50	BBC	via Yangiyul, Dushanbe Tajikistan	MAR18
4810	100	Armenian Public R	Noratus Gavar Armenia	JAN19
4810	10	Dengê Welat	via Noratus Gavar Armenia	MAR18
4845	1	R Meteorologia Paulista	Ibitinga,SP Brazil	MAR18
4895	100	So. African R League	Meyerton South Africa	FEB19
4990	10	Hunan PBS	Changsha, Hunan China	JAN18

## SHORTWAVE HISTORY

### ADRIAN PETERSON'S DIARY

# The story of the large double shortwave station located near Meyerton in South Africa which closed at the end of March.

According to the latest available information, the huge double shortwave station located near the small town of Meyerton in South Africa is due to close today, Sunday, March 31 (2019). The stated reason for the termination of this massive shortwave station, one of the largest in the world, is due to insufficient clientele choosing to broadcast to Africa and beyond from its bevy of shortwave transmitters and antenna systems. Apparently the withdrawal of the **BBC** London from its use of Meyerton as one of its African relay stations was the proverbial last straw that broke this African camel's financial back.

Back in 1964, **SABC**, the **South African Broadcasting Corporation**, procured a tract of land containing 1250 acres south of Johannesburg in a hilly country area due east of the town of Meyerton for the construction of a new shortwave broadcasting station. In reality, two shortwave stations were constructed on this large property on Marlin Road; one at the northern end, and the other at the southern end.

The northern location was planned as the high power station with transmitters rated at 250 kW and 500 kW for international coverage, almost worldwide; and the southern station was planned for domestic coverage in South Africa, as well as for regional coverage of other nearby African countries, with transmitters rated at 100 kW.

During the following year, on October 27 (1965), Prime Minister Dr. H. F. Verwoerd, officially opened this new double shortwave station, which was named in his honor, as the H. F. Verwoerd Shortwave Station. At the time of the opening ceremony, just one transmitter at 250 kW was ready for active service, though three more similar units were installed and taken into service during the following months.

Over a period of the next 15 years, a total of 17 shortwave transmitters were progressively installed at the two locations, together with a total of 49 antenna systems. At the height of its capability, the high powered northern shortwave station contained 15 active transmitters at 250 kW and 500 kW, together with 40 antenna systems, mainly curtain antennas. Likewise, the lower powered southern site contained 8 active transmitters at 100 kW and 9 antenna systems, mainly log periodics. Two transmitters, one at each sub-location, were kept in standby mode.

The feeder lines running from the transmitters at the northern station exit the transmitter building via two tunnels, each 8 feet square. In this way, the feeder lines are protected from harsh weather patterns. The feeder lines are made up of half-inch copper tubing, and 40 miles of this tubing are used in total at the two stations. This powerful shortwave station consumes a massive 6 megawatts of electricity.

The studios and offices for the external services of **SABC**, the **South African Broadcasting Corporation**, are housed in an office building in central Johannesburg, some 40 miles north of the transmitting stations. Under the management of **Radio South Africa, RSA**, a total of 50 international radio listeners in different parts of the world served as regular monitors on behalf of this shortwave service.

**Radio South Africa** transferred the double shortwave station at Meyerton to a commercial radio organization, **Sentech**, in November 1996. Since then, **Sentech** has operated the station as a commercial venture, with many international radio organizations reaching their international audiences via this shortwave station at Meyerton.

Over the intervening years, many international radio organizations have taken out a relay of their programming via this double Meyerton shortwave station, such as, for example: the **BBC** in London, **Voice of America** in Washington DC, **Radio Canada International** in Montreal, **Radio Netherlands** in Hilversum, Holland, and **Radio France International** in Paris. Other stations that have also utilized the Meyerton station have included **Trans World Radio** and **Adventist World Radio**, as well as **Channel Africa** and **Radio Sonder Grense** in South Africa itself.

In earlier times, **RSA** in Johannesburg issued colorful QSL cards that featured animal life and country scenes in South Africa. Radio monitors worldwide would describe these QSL cards as some of the most beautiful QSL cards in their collection. After the shortwave station was sold off to **Sentech**, they also issued a set of colorful QSL cards, eight in number, from their corporate office in Honeydew, a suburb of the large regional city Johannesburg.

The QSL cards from **Sentech** were signed by Kathy Otto, who was very cooperative with the international radio audience, and each card identified the organization that was on the air via the **Sentech** shortwave station. Thus, it was possible in earlier times to receive two QSL cards for the one reception report, the origination program studio and the **Sentech** shortwave station itself.

So what will happen to this major double shortwave station at Meyerton in South Africa? It is too early yet to know for sure. Perhaps the land will be bought by local farmers, but what will happen to the major but now aging items of electronic equipment? Only time will tell.



### **NASWA Email Group (Updated Address!)**

Join moderator **Dan Ferguson**, the club's Email Group, and other club members to discuss reception of shortwave radio broadcasts, program content, propagation, reception conditions, loggings, hot news and information as well as radio equipment and accessories and any topics related to shortwave radio in general. This forum is a supplement to, not a replacement of, The Journal. Subscribe by going to <https://groups.io/g/NASWA/>. Any club members wishing to participate in the NASWA Email Group, moderated by Dan Ferguson (k4voa@zerobeat.org), but not interested in registering direct with Yahoo should contact Dan direct by e-mail for further information. Dan can manually add you to the group.



# Listener's Notebook

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Times are UTC and frequencies in kHz.

**AFGHANISTAN Radio Afghanistan External Service** in 49mb on April 24:

1530-1700 on 6100 YAK English/Urdu/Arabic, good  
(DX Mix-Bulgaria)

**ANTARCTICA** New A-19 schedule of **LRA-36 Radio Nacional Arcángel San Gabriel**:

1230-1400\* on 15476vSGB Spanish Tue/Thu, instead of

1800-2100 on 15476vSGB Spanish Mon-Fri summer A-18

\* until 1500 15476vSGB Spanish Tue/Thu irregularly (DX Mix-Bulgaria)

**LRA 36, Radio Nacional Arcangel San Gabriel**, letter and photo received from the station. I send an email to the station telling them the reception here in Lugo is very weak, and the best time to hear the station in Europe is the old one from LRA 26{?}, 1800-2100, and they replay with a PDF letter and a photo. In the letter they say they are on air since 19<sup>th</sup> March, short wave, 15476, Tuesdays and Thursdays from 0930 to 1100 Argentinian time (1230 to 1400), and they are working to schedule an evening program, to try to reach more listeners with best quality reception. (Manuel Mendez-Spain hcdx April 9/TopNews)

**ANGOLA** But nothing noted from Mulenvos Angola 4950v this night, station signal was weak and tiny strength in past week, only tiny string was visible last week on KiwiSDR

in Johannesburg RSA, seemingly only very low power access or main electricity circuit loss power, who knows? (wb df5sx, wwdxc BC-DX TopNews April 14)

**ARMENIA Trans World Radio India** on registered 9300, April 5:

1315-1330 on 9300 ERV Kurux Wed-Fri  
1535-1540 on 9300 ERV English Mon-Fri  
(DX Mix-Bulgaria)

**ASCENSION ISLANDS Radio Akhbar Mufriha**, April 20:

2145-2215 on 9530 ASC Hassinya Thu-Tue  
(DX Mix-Bulgaria)

**Follow The Bible Ministries** via ENC-DMS Ascension, April 7:

1900-1928 on 9600 ASC English Sun, fair/good  
1900-1928 on 11660 ASC English Sun, weak/fair  
(DX Mix-Bulgaria)

**AUSTRALIA** Sad news coming out of Australia. Craig Allen, the owner and operator of **Ozy Radio** (4835) has passed away. From Craig's Facebook page, posted by Grant Allen: "To our friends and family. It is with a heavy heart to let you know that our brother Craig Allen passed away on Thursday afternoon [March 28]. We will let you know details of the funeral once it is confirmed." (Ron Howard-CA) We are very sad to learn of the passing of Craig Allen, the owner and operator of Ozy Radio (4385). The League sends its sin-

cerest condolences to his family. (New Zealand Radio DX League)

A19 schedule for **Reach Beyond Australia** in English:

1115-1130 Mon, Tue, Wed & Fri 15575 (Spotlight)  
1200-1230 Daily 11875  
1245-1300 Mon-Wed 11945 (Spotlight)  
1315-1330 Mon, Wed & Fri 11750 (Back to the Bible)  
1345-1400 Thu & Fri 11900 (Spotlight)  
1515-1530 Mon & Fri 9770 (Spotlight)  
(Reach Beyond via Alan Roe-UK/British DX Club)

11905, **Reach Beyond Australia**, Kununurra. Mar.9 at 1100-1129 in Japanese. SI0553. Report of the Winter SWL Festival by T. Ohtake & S. Ohara part 1. (Matsunaga-Japan/Japan Shortwave Club)

**AUSTRIA** Summer A-19 schedule of **Oesterreichischer Rundfunk** from April 9:

0500-0620 on 6155 MOS German Mon-Fri  
0500-0610 on 6155 MOS German Sat/Sun  
(DX Mix-Bulgaria)

**BANGLADESH Bangladesh Betar** external service has not been on its usual SW frequencies for some time, probably because of transmitter failure. However recently BB been using its domestic frequency 4750 kHz to carry the external service, including English at 1230-1300 and 1745-1900 (the latter is audible in Europe). (Dave Kenny-UK/British DX Club)

4750, **Bangladesh Betar**, on April 3, still carrying only the External Service, preempting the usual Home Service; 1227, test tone off and start of IS; at 1230, started broadcasting in English, but with strong CNR1 QRM. (Ron Howard-CA)

**BHUTAN** 6035, **BBS**, 1114-1120\*, on April 5. Pop songs till transmitter off. The good news is that the recent jamming spur heard here from 6045, has ended, as National Unity Radio has moved away from 6045, taking the N. Korea jamming with them. (Ron Howard-CA) 6035, BBS, on April 21 (Sunday), with longer than usual broadcast; at \*1139 heard PBS Yunnan (FM99 relay) suddenly starting to broadcast as they normally do at this time, which completely blocked reception of BBS. From 1225 to 1240, heard underneath a much stronger PBS Yunnan, the BBS Sunday phone in program in vernacular; mostly children callers with their solo singing; in past years, had often noted this particular call in singing show on Sundays; BBS went off the air close to 1244. (Ron Howard-CA)

**BULGARIA** Brother Stair via Secretbrod, updated:

1400-1655 on 11600 English  
1500-1655 on 6000 English  
1600-1945 on 9400 English  
2000-2155 on 6055 English  
2200-0400 on 5900 English  
(DX Mix-Bulgaria)

**CHINA** Summer A-19 frequency changes of **China Radio Inter.:**

0000-0057 NF 9810 QVC Spanish, ex 15120  
0300-0557 NF 11740 BEI Chinese, ex 15130  
0900-1057 NF 12005 KUN Chinese, ex 13765  
1100-1357 NF 9500 KAS English, ex 11660  
1400-1557 NF 11880 QVC English, ex 13740  
1500-1557 NF 7205 NNN English, ex 9880  
2030-2227 NF 9570 URU French, ex 9720  
(DX Mix-Bulgaria)

**China Huayi Broadcast Station** to receive QSL please write to following postal address: Jonathan Short, Ming Ri Feng Lin 3-1002, Li Zha Road, Changshu, 215500, P.R.China \$2 as

return postage would be appreciated but not necessary, radio station souvenirs such as QSLs/Stickers/Pennants/used radio schedules/radio books and magazines would be much more welcome (Jonathan Short-China/Worldwide DX Club)

6035, **FM99** relay via PBS Yunnan, 1157, April 10. Commercial announcements till time pips (almost a minute late); FM format, in Chinese; station's singing jingle ("Radio Shangri-la"); station's slogan in English fairly readable ("Flying with the heart, traveling with the sound of Shangri-la"); one of their better days. BBS (Bhutan) went off the air here today at 1137\*. (Ron Howard-CA)

**CLANDESTINE** Canceled A19 clandestine transmissions via Alyx & Yeyi:

**Radio Xoriyo Ogaden** 1600-1630 on 17630 ISS Somali Tue/Sat via MBR

1600-1630 on 17770 ISS Somali Mon/Fri via TDF

**Radio Voice of Independent Oromiya** 1600-1630 on 17850 ISS Oromo Sun via TDF

**Radio Voice of Amara** 1700-1800 on 15360 ISS Amharic Mo/We/Sa via TDF (DX Mix-Bulgaria)

New clandestine broadcast via TDF Issoudun from April 15:

1700-1730 on 13660 ISS Sun/Tue/Thu WRMI broker  
(DX Mix-Bulgaria)

Reception of **Radio Xoriyo Ogadenya** via MBR Nauen on March 30:

1600-1630 on 11970 ISS Somali Tue/Sat, very good signal

1600-1630 on 17630 ISS Somali Tue/Sat, NOT in A-19 MBR!  
(DX Mix-Bulgaria)

**Manara Radio International** via TDF Issoudun, April 17:

0700-0800 on 13840 ISS Arabic/Hausa, good  
(DX Mix-Bulgaria)

**Koode Radio International** via MBR Issoudun on March 30/April 1:

1900-1930 on 7265 ISS Nigerian Fulfulde, good signal

1900-1930 on 9810 ISS Nigerian Fulfulde, weak signal  
(DX Mix-Bulgaria)

**Dandal Kura Radio Int** via MBR Nauen/Issoudun, April 17:

0700-0800 on 13590 NAU Kanuri, good  
1800-1900 on 11830 ISS Kanuri, good  
(DX Mix-Bulgaria)

**Radio Ndarason International** A19 schedule:

0500-0600 5960-asc in Kanuri  
0600-0700 7415-asc in Kanuri  
1900-2100 12050-asc in Kanuri  
(British DX Club)

**Radio Ndarason International** via ENC-DMS Woofferton, April 10:

1900-2100 on 12050 WOF Kanuri/French, very good  
(DX Mix-Bulgaria)

**Radio Ndarason International** via ENC-DMS Ascension, April 3:

0500-0600 on 5960 ASC Kanuri, co-ch QRM KWT HQ

0600-0700 on 7415 ASC Kanuri, weak/fair signal  
(DX Mix-Bulgaria)

Good signal of **Dimtse Radio Erena** via SPL  
Secretbrod, April 16:

1700-1730 on 9720 SCB Tigrinya Daily  
1730-1800 on 9720 SCB Arabic Mon/Wed/Fri  
1730-1800 on 9720 SCB Tigrinya Tue/Thu/  
Sat/Sun  
(DX Mix-Bulgaria)

**Dimtse Radio Erena** via SPL Secretbrod,  
April 22:

1700-1734 on 9720 SCB Tigrinya Daily  
1734-1800 on 9720 SCB Arabic Mo/We/Fr  
1734-1800 on 9720 SCB Tig. Tu/Th/Sa/Su  
(DX Mix-Bulgaria)

Reception of **Voice of Oromo Liberation** via  
MBR Nauen, April 24:

1700-1730 on 15420 NAU Afan Oromo Wed/  
Fri/Sun, good/fair  
(DX Mix-Bulgaria)

New frequencies of **Voice of Tibet**, April 1:

1230-1235 on 9909 DB Tibetan  
1235-1305 on 9901 DB Tibetan  
1305-1335 on 9884 DB Tibetan  
1335-1400 on 9876 DB Tibetan  
(DX Mix-Bulgaria)

Frequency change of **National Unity Radio**:

1200-1500 NF 6045 DB Korean, ex 7235  
(DX Mix-Bulgaria)

**Radio Free North Korea** via RED Telekom  
Tashkent, April 18:

1200-1300 on 11520 TAC Korean, good, ex  
15630 A-18

**North Korea Reform Radio** via RED Telecom  
Tashkent, April 10:

2030-2130 on 7505 TAC Korean, fair to good signal  
(DX Mix-Bulgaria)

Summer A-19 schedule of **JSR Shiokaze Sea  
Breeze** on 2 freqs in parallel:

1300-1400 on 5920 YAM // 6070 YAM  
(DX Mix-Bulgaria)

**Clandestine Eye Radio** via Malagasy Global  
Business S.A. will be on shortwave until May  
1 & then it will leave shortwave:

0400-0500 on 7340 SMG Juba Arabic\* Mon-  
Fri

1600-1700 on 15410 ISS Juba Arabic\* Mon-Fri  
\* including other langs English/Dinka/Nuer/  
Shilluk/Bari/Zande/Lutoho (DX Mix-Bulgaria)

**Radio Sinit Eritrea** A19 schedule:

0500-0600 Sat. 11660-iss in Tigrinya/Arabic  
(British DX Club)

Reception of **Denge Welat** via TDF Issoudun,  
April 25:

0230-0500 on 9525 ISS Kurdish, very good  
(DX Mix-Bulgaria)

5920 // 6070, **Shiokaze/Sea Breeze**, \*1300-  
1400\*, April 1. Thanks to an alert at "Now On  
The Radio" website, for the very first time  
I heard them broadcasting on two frequen-  
cies simultaneously; 5920 is a very poor fre-  
quency assignment for them, due to a strong  
Voice of Freedom already being on frequen-  
cy, along with the usual N. Korea jamming of  
VOF; whereas 6070 is a very good choice, as it  
is a clear frequency. (Ron Howard-CA)

5980 // 6090, **Shiokaze**, \*1405-1435\*, April 1. With 5980 being rather a poor frequency choice, due to New Zealand already being on frequency, so they mix together; whereas 6090 is a much better choice, as only light CNR2 QRM. (Ron Howard-CA)

**CONGO (DEM REP)** 6210.2, **Radio Kahuzi**: QSL card, stickers, brochures with the station history, schedule, in 38 days. The reply came from the Florida address of Radio Kahuzi, P. O. Box 110173, Bradenton, FL 34211, USA. Email: radiokahuzi@sbcglobal.net. (Manuel Mendez-Spain/DX Fanzine)

**CUBA** Summer A-19 of **Chi-**  
**na Radio Int** via Quivican:

0000-0057 on 5990 QVC Spanish  
0000-0057 on 9810 QVC Spanish  
0100-0157 on 9580 QVC English  
0200-0257 on 9580 QVC Chinese  
0300-0357 on 9790 QVC English  
0400-0457 on 9790 QVC Cantonese  
1200-1257 on 9570 QVC Cantonese  
1300-1357 on 9570 QVC English  
1400-1457 on 11880 QVC English  
1500-1557 on 11880 QVC English  
2300-2357 on 5990 QVC English  
2300-2357 on 13650 QVC Portuguese  
(DX Mix-Bulgaria)

Frequency changes of **Radio Habana Cuba**  
RHC eff. from April 7:

1100-1300 NF 6100 BAU Spanish, ex 11950  
1100-1400 NF 13740 BAU Spanish, ex 13740  
1100-1400 NF 6000 QVC Spanish, ex 6150  
2100-0400 NF 11840 BAU Spanish, ex 13740  
2100-0500 NF 11850 QVC Spanish, ex 11840  
2000-2200 on 9720 BAU Fr/Por/En deleted  
2200-2230 NF 7380 BAU French, ex 9720  
2230-2300 NF 7380 BAU Portuguese x 9720  
2300-2400 NF 7380 BAU English, ex 9720  
(DX Mix-Bulgaria)

**ENGLAND Radio Akhbar Mufriha** via Wooferton, April 20:

2100-2115 on 7300 WOF Tachelhit Daily  
2115-2145 on 7300 WOF Arabic & dialects  
(DX Mix-Bulgaria)

**ESWATINI** Reception of **Trans World Radio Africa** on three new freqs on April 1:

1500-1530 on 9500 MAN Somali Daily, weak/  
fair signal  
1530-1545 on 11820 MAN Juba Arabic Mon-  
Fri, very good  
1557-1627 on 13580 MAN Kirundi Mon-Fri,  
very strong  
(DX Mix-Bulgaria)

**Trans World Radio Africa** on three freqs in  
31mb on April 4:

1745-1815	on	9475	MAN	Swa-
				hili
				Mon-Sat,
				very good
1800-1845	on	9940	KCH	Tigrin-
				ya
				Mon-Thu
				very good
1935-2005	on	9940	MAN	Ling-
				gala
				Mon-Fri,
				very good

(DX Mix-Bulgaria)

**FRANCE** Reception of new broadcasts of **Radio France International**, April 7:

1300-1330	on	13720	ISS	Fulful-
				de
				Sat/Sun,
				very good
1700-1730	on	13720	ISS	Mandingo
				Sat/Sun
1730-1800	on	13720	ISS	Fulfulde
				Sat/Sun

(DX Mix-Bulgaria)

**Sawtu Linjilia / Voice of Gospel** via MBR  
Issoudun on April 8:

1830-1900 on 15315 ISS Fulfulde Mon-Thu,  
fair/good  
(DX Mix-Bulgaria)

Summer A-19 of TDA **Telediffusion d'Algerie** via TDF Issoudun:

0400-0459 on 6050 ISS Arabic Holy Quran px  
0500-0559 on 6125 ISS Arabic Holy Quran px\*  
0500-0559 on 9535 ISS Arabic Holy Quran px\*  
0600-0659 on 9620 ISS Arabic Holy Quran px  
1800-1859 on 13820 ISS Arabic Holy Quran px  
1900-1959 on 11985 ISS Arabic Holy Quran px\*  
1900-1959 on 12060 ISS Arabic Holy Quran px\*  
2000-2059 on 9510 ISS Arabic Holy Quran px  
2000-2059 on 9655 ISS Arabic Holy Quran px  
2100-2159 on 5930 ISS Arabic Holy Quran px  
2100-2159 on 9655 ISS Arabic Holy Quran px  
2200-2259 on 5930 ISS Arabic Holy Quran px\*  
\*xx03-xx10 news in French language.  
(Ivo Ivanov-Bulgaria hcdx via wwdxc BC-DX TopNews April 6)

**Radio France International** in Mandingo & Fulfulde, April 21:

1200-1230 on 13720 ISS Mandingo Daily, good  
1300-1330 on 13720 ISS Fulfulde Sa/Su, good  
Other programs of **Radio France International** in Mandingo & Fulfulde:  
0800-0830 on 15455 ISS Mandingo Mon-Fri  
1700-1730 on 13720 ISS Mandingo Sat/Sun  
1730-1800 on 13720 ISS Fulfulde Sat/Sun  
(DX Mix-Bulgaria)

**GERMANY** New time of **Radio Waves International** via Channel 292 from April 6:

0700-0800 on 6070 ROB English/French Sat  
(DX Mix-Bulgaria)

Reception of **DWD Deutscher Wetterdienst** in 49mb on April 23:

0600-0630 on 5905 PIN German AM mode, good  
0600-0630 on 6180 PIN German AM mode, good  
(DX Mix-Bulgaria)

Reception of **DWD Deutscher Wetterdienst** on April 20:

2000-2030 on 5905 PIN German AM mode  
2000-2030 on 6180 PIN German AM mode  
(DX Mix-Bulgaria)

Summer A-19 schedule of **Shortwave Radio** for Europe:

0700-2200 on 3975 WIS English Daily  
0700-1800 on 6160 WIS English Daily  
(DX Mix-Bulgaria)

**GUINEA Radio Guinee** English broadcast Radio Guinee, Conakry, was observed with a programme in English on 9650 between 1830-1855 on Sunday 17 March. Studio discussion about Guinean students at colleges in the US. (Dave Kenny 17 March) This appears to be a regular time for English as Guinea was also logged in English on Sunday 11 February 2018 by Tony Rogers from tune-in at 1850 until it went back into French at 1901. (Dave Kenny/Tony Rogers/British DX Club)

**INDIA AIR Thiruvanthapuram** off air on SW due to maintenance. The SW transmitter of AIR Thiruvanthapuram has not been heard for some weeks now on SW 5010 & 7290. When I contacted the station I was told that some maintenance work is going on there and that they are to be back on air shortly with better signals than before. (AIR via Jose Jacob, VU-2JOS, <[www.qsl.net/vu2jos](http://www.qsl.net/vu2jos)> ; DXIndia April 9/TopNews)

Summer A-19 frequency changes of **All India Radio**:

0000-0045 NF 11590 PAN Tamil, ex 11740  
0000-0045 NF 13695 BGL Tamil, ex 13695  
0015-0430 NF 6140 ALG Urdu, ex 9620  
0045-0115 NF 11590 PAN Sinhala, ex 11740  
0130-0230 NF 9950 BGL Nepali, ex 9800  
1145-1315 NF 15030 BGL Chinese DRM, ex  
15040  
1215-1330 NF 9445 BGL Tibetan, ex 9575  
1215-1330 NF 15030 BGL Tibetan DRM, ex  
11620 AM  
1330-1500 NF 9695 BGL English, ex 9690  
1515-1615 NF 9950 BGL Swahili, ex 13605  
1615-1730 NF 9950 BGL Hindi, ex 13605  
1745-1945 NF 11620 BGL English, ex 9950  
ALG  
2300-2400 NF 11590 PAN Hindi, ex 11740  
2300-2400 NF 13695 BGL Hindi, ex 13695  
(DX Mix-Bulgaria)

13695, **All India Radio** via Bengaluru. Full data QSL card "Tomb of Itimad-ud-Daula, Agra" received in 129 days for report via website, 14 days for air mail postal delivery. (Hansjoerg Biener-Germany/Worldwide DX Club)

**INDONESIA Voice of Indonesia** English-lang. program on 3325 until 1400, March 25. Happy to find I was not the only one enjoying the nice reception of Voice of Indonesia, via RRI Palangkaraya 3325 today March 25. Noted "Commentary" at 1310, about the importance of the upcoming "general election" (on April 17). Heard "Today In History" 1314-1318, with three items - this date in 1957, France, West Germany, Italy, the Netherlands, Belgium, and Luxembourg sign the treaty in Rome establishing the European Economic Community (EEC), also known as the Common Market; this date 1971, Pakistani military action "Operation Searchlight"; this date 1975, King Faisal of Saudi Arabia was murdered; is not

often that I can make out all the items given in "Today In History." With the importance of this election being held on April 17, will there be more SW activity from Indonesia? Currently I'm only hearing VOI and Pro 1 RRI Nabire on 7289.92. (Ron Howard-CA-USA, direct and dxld via wwdxc BC-DX TopNews March 25)

3325, **Voice of Indonesia**, via RRI Palangkaraya, on April 5, checking 1049+ and found only a carrier with no hint of any audio. (Ron Howard-CA) 3325, Voice of Indonesia, via RRI Palangkaraya, on April 16, checking 1330, 1404 & 1424, to only hear a decent level carrier with no audio at all; this has been the situation here for quite a while now. With the general elections being held tomorrow (April 17), thought perhaps the problem would have been corrected, but not so. This year's election will be historic, in that the president, the vice president, and the People's Consultative Assembly will all be voted for on the same day. Looking for other RRI stations (Ternate, Merauke, etc.) had no results. Was too late to check for RRI Nabire, which closes down much earlier. A sad state of affairs for RRI SW. (Ron Howard-CA)

**IRAN A19 schedule for Voice of the Islamic Republic of Iran** in English:

1520-1620 on 9800-sir 15235-sir  
1920-2020 on 9750-sir 9855-sir  
(HFCC/British DX Club)

6090, **Voice of Islamic of Iran**: F/D QSL card, letter and booklets from "Cultural Heritage Handicrafts & Tourism Organization". Ed: After how many days? Report sent to the Spanish section: vozdeiran@irib.ir. Also received from the English service leather business card holder (handmade) & postcard. (Ivan Zelenyi-Russia/DX Fanzine)

**JAPAN** A19 schedule for **Radio Japan NHK World** in English:

0500-0530 on 5975-mos 9860-smg 11970-iss  
1100-1130 on 11695-sng  
1400-1430 on 9450-tac 9625-plw  
1540-1600 on 5985(via Myanmar R) on Th/Fr  
(HFCC/British DX Club)

**KOREA (NORTH)** A19 schedule for **Voice of Korea**, Pyongyang in English:

0400-0500 on 7220 9445 9730 11735 13760 15180  
0500-0600 on 13650 15105  
0600-0700 on 7220 9445 9730  
1000-1100 on 11710 11735 13650 15180  
1300-1400 on 9435 11710 13760 15245  
1500-1600 on 9435 11710 13760 15245  
1600-1700 on 9890 11645  
1800-1900 on 13760 15245  
1900-2000 on 7210 9875 11635 11910  
2100-2200 on 13760 15245  
(via Arnolf Piontek-Germany/British DX Club)

**KUWAIT** MOI **Radio Kuwait** in Farsi (unscheduled) & Filipino, April 19:

0950-1000 on 17760 KBD Farsi, unscheduled  
and  
1000-1200 on 17760 KBD Filipino as scheduled  
(DX Mix-Bulgaria)

**KYRGYZSTAN** The Christian evangelic organisation Pamir Ministries (PM) is a member of "World by Radio" group which also includes TWR, FEBA, IBRA etc. The PM broadcasts are on from 1530 and Mondays-Fridays from 1450 on SW Radio The Sound of Life or Sedaye Zindagi. (Rumen Pankov-Bulgaria/British DX Club)

4820 carries 2<sup>nd</sup> prgr, but only between 0000-1230. Power is 15 kW. (WRTH updates March 2019/British DX Club)

**LAOS LNR** Vientiane 6130. I just discovered that LNR Vientiane is back on SW 6130 \\  
MW 567, maybe active for a couple of days already. Strong signal! (Uwe Volk-Thailand via wwdxc BC-DX TopNews March 24)

**MADAGASCAR Madagascar World Voice** in 22/25/31mb on April 16, part one:

**African Pathways Radio**

1800-1900 on 13670 MWV English tx#3, very good  
2000-2100 on 11965 MWV English tx#3, fair/good

**KNLS New Life Station**

1800-1900 on 11885 MWV Russian tx#2, very good  
1900-2000 on 9845 MWV Russian tx#3, very good  
(DX Mix-Bulgaria)

**Madagascar World Voice** in 22/25/31mb on April 16, part two:

**Radio Feda**

1900-2000 on 11965 MWV Arabic tx#2, very good  
2000-2100 on 13710 MWV Arabic tx#2, very good

**Palavra Alegre**

2100-2200 on 9765 MWV Portug. tx#3, weak/fair

**The Light of Life**

2100-2200 on 11610 MWV Chinese tx#2, fair/good  
(DX Mix-Bulgaria)

Reception of WCB **Madagascar World Voice**  
MWV Palavra Alegre on April 25:

2100-2200 NF 11965 MWV Portuguese tx#3,  
weak/fair, ex 9765  
(DX Mix-Bulgaria)

**MALI Radio Mali** back on SW with good modulation Following the reactivation of the CRI shortwave relay station in Bamako last month after almost two years ORTM Radio Mali's shortwave transmitter has also been reactivated with much improved audio. The nominal schedule (subject to variation) is:

5995 0555-0800, 1800-0000  
9635 0800-1800

Radio Mali has been heard since 4 March after a break of well over a year. It seems that Chinese technicians have been in the country and repaired both the CRI and Radio Mali transmitters. (British DX Club) Radio Mali in English Most programming on Radio Mali is in local languages such as Bambara and French but on 9<sup>th</sup> March I confirmed the weekly news magazine in English from 1850-1906 on 5995. On 30<sup>th</sup> March I heard English again from 1857-1910 on 5995. I last heard the English news from Mali back in 2008 when it was broadcast on Saturdays at 1920 on 5995, but over the past 10 years the SW modulation from Bamako has been so poor that its been impossible to confirm it again - until now! Very pleased to have Mali back on SW and a nice surprise to catch their elusive English broadcast again. (Dave Kenny-UK 9-30 March British DX Club)

Radio Mali on 5995 at 0625 today Tue March 26. The usual identification of Radio Mali. Today at 1800 on 9685 the same identification. I understand is more or less this: "Vous ecou-  
tez la Radiofusion Television de Mali emettant de Bamako, nous emettons dans la bande de

49 metres, 5995 kHz, 61 metres, 4835 kHz, 31 metres, 9635 kHz. Pour le district de Bamako nous emettons en modulation de frequence dans la bande de ??? MHz..., ... la Radiofusion Television de Mali, emettan de Banako." They still announced the 4835, a lot of years out of air. (Manuel Mendez-Lugo-ESP, hcdx March 26)

Reception of **ORTM Radio Mali** in 49 & 31mb on April 9:

0600-0800 on 5995 BKO French, weak  
0800-1800 on 9635 BKO French, fair  
(DX Mix-Bulgaria)

5995, 09.03.19, \*1801-1910, **Radio Mali**, Bamako, VV: Afro songs. @ 1850 NX in EE. @ 1904 ID: "Radio Mali, News in English next Saturday at the same time". At 1906 ID in FF and TK in VV. 43443. (Manuel Méndez-Spain/DX Fanzine)

**MONGOLIA** 7260, **Mongolian Radio P3** (FM100.9 relay). Recently heard with better than normal reception. Thanks to Hiroyuki Komatsubara's "Now On The Radio DX" for info: "It seems that their program guide has been updated to a new one"; daily schedule at Mongolian site <http://bit.ly/2VjlexD>. April 23 (Tuesday), at 1148, tuned into "Radio Karaoke Entertainment" in vernacular; phone call-in program with the callers singing; some singing with either the station's background music or just the caller singing with no music at all. Ulaanbaatar sunset was at 1154. (Ron Howard-CA)

**MYANMAR** Reception of **Myanmar Radio** in English on April 25:

1530-1700 on 5985 YAN English, fair  
(DX Mix-Bulgaria)

5985, **Myanmar Radio**, on April 3, at 1208. Live coverage (TV audio feed), in vernacular,

of the football/soccer match between Myanmar and Nepal (Olympic games qualification for Asian women); 1225 music provided for half time break, till match resumed; mostly fair. (Ron Howard-CA) 5985, Myanmar Radio, 1255-1305, April 10. The 10 minute Wednesday language lesson called "Learning English with BBC"; semi-readable, in English and Burmese. Program is probably also carried on Monday, but have not confirmed that. (Ron Howard-CA)

5985, **Myanmar Radio**. First heard "Learning English with BBC, Burmese," on April 10 (Wednesday), from 1255 to 1305. Thought it might be a Wed. (and Monday?) only program, but I was wrong. April 16 (Tuesday), from 1440 to 1450, heard two separate 5 minute episodes of "Learning English with BBC, Burmese," on 5985. Reception good today and very readable. I have to wonder what days and times this is carried? (Ron Howard-CA)

**NETHERLANDS** A new broadcaster is listed in the A19 HFCC: **Radio Onda** ASBL with 1 kW on 6030 in Portuguese from Margraten, Netherlands. Its not yet on the air and no further details are known yet about when it will start. Web site <https://ondaasbl.wixsite.com> states "Radio Onda is managed by ASBL Onda, a non-profit association based in Bruxelles, Belgium. Our activities are focused on the dissemination of Brazilian culture through the old continent. For this, in addition to the webradio, we have a shortwave station on the frequency of 6030, from Hollanda, with 1 KW of power, covering a large part of Europe. The programming of the station is quite varied, being that here you will hear from MPB, National Rock, Samba, Sertaneja, among other national styles. In this way, we bring to you a great musical variety, with much humor and information, for a public not only Brazilian, but also Belgian and European. ASBL Onda is a member of HFCC, an international organisa-

tion for the coordination of shortwave radio frequencies, in addition to the ITU, based in Geneva." (British DX Club)

**NEW ZEALAND** Frequency change of **Radio New Zealand Pacific** eff. from April 22:

0459-0658 NF 9700 RAN English, ex 9630 (DX Mix-Bulgaria)

**NIGERIA** Reception of **Voice of Nigeria** in DRM, April 10:

1600-1615 on 15119.9 AJA Arabic  
1615-1630 on 15119.9 AJA Igbo  
1630-1900 on 15119.9 AJA English  
(DX Mix-Bulgaria)

Reception of **Voice of Nigeria** in DRM mode, April 20:

1630-1900 on 15119.9 AJA English DRM  
(DX Mix-Bulgaria)

**NORTHERN MARIANAS** Reception of **Radio Free Asia** RFA via Tinian on April 2:

1000-1100 on 21455 TIN Tibetan, fair/good  
1100-1200 on 15195 TIN Laotian, fair/good  
1230-1430 on 11805 TIN Burmese, weak/fair  
1430-1500 on 12140 TIN Khmer, weak/fair  
(DX Mix-Bulgaria)

**OMAN Radio Sultanate of Oman** in Arabic at 1700 on new 9620, ex 15140. Registered in HFCC 1400-2000, probably 1400-1500 in English. Very good signal, co-ch All India Radio in various languages. (Ivo Ivanov-Bulgaria)

**Radio Sultanate of Oman** on new frequency in 31mb, April 16:

1230-1500 on 9620 ALG Sindhi  
1500-1600 on 9620 ALG Baluchi  
1615-1730 on 9620 ALG Farsi

1730-1945 on 9620 ALG Arabic  
2023-2120 on 9620 SIR Spanish  
2030-2125 on 9620 EMR English  
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews April 16)

**Radio Sultanate of Oman** on new frequency in 31mb, April 24:

1400-1500 NF 9620 THU English, ex 15140  
1500-2200 NF 9620 THU Arabic, ex 15140  
(DX Mix-Bulgaria)

**PALAU NHK** announced in today's English broadcast (12 April at 0500) that the 1400 English broadcast to southeast Asia on 9625z via T8WH Angel 4) will change to 9605 from Saturday 13 April. (via Alan Roe-UK, BrDXC-UK ng April 12/TopNews)

**PAPUA NEW GUINEA 3260, NBC Madang**, (Maus Blong Garamut - Voice of Indigenous Drums), 1115-1205\*, April 3. Mostly nice Pacific Islands pop songs; DJ in Pidgin; local time checks ("10 to 10"); 1200 ID with frequency; into NBC news in English (not very readable); cut off just after the weather forecast; one of their better days. (Ron Howard-CA) 3260, NBC Madang, (Maus Blong Garamut - Voice of Indigenous Drums), 1021, on April 5. DJ in Pidgin playing various songs; 1029, ID and frequencies; 1031, talk in Pidgin about "local government" and "Parliament"; a day with above average reception. (Ron Howard-CA)

7325.01, **Wantok Radio Light**, Port Moresby, checked now, 0840-0850, April 08, via SDR Kiwi remote receiver in Brisbane Queensland Australia, audio heard, English, religious comments, male. 15221. (Manuel Mendez-Spain, hcdx April 8/TopNews)

**PAPUA NEW GUINEA (BOUGAINVILLE) 3325, NBC Bougainville** noted already off the air at 1102 on April 3, through last check at 1141;

instead only heard the carrier of the Voice of Indonesia (second day VOI with no audio!). (Ron Howard-CA) 3325, NBC Bougainville (Maus Blong Sankamap), April 5, noted not on the air 1016+. (Ron Howard-CA)

**PHILIPPINES A-19** schedule for **Radio Pilipinas** Manila via IBB BBG Tinang relay station:

0200-0330 ME English 12010 15640 17820  
1730-1930 ME Tagalog 9910 12120 15190  
(HFCC via April BrDXC-UK ng April 6/TopNews)

Reception of **Radio Pilipinas** PBS in 31/25/19mb, April 24:

1730-1930 on 9910\*PHT Filipino, plus co-ch  
AIR  
1730-1930 on 12120 PHT Filipino, good signal  
1730-1930 on 15190 PHT Filipino, fair signal  
\* Wrong frequency announcement: 9925 (winter), instead of 9910 (summer) (DX Mix-Bulgaria)

**POLAND** A new broadcaster is listed in the A19 HFCC: **Polish Radio Warsaw** 0800-1430 on 7415, 0800-1100 on 7430 with 10 kW from Warsaw. Its not yet on the air and no further details are confirmed at time of going to press. (British DX Club)

**ROMANIA** The 2019 **RRI** QSL cards will be about garments for celebration, chains made of coins and adornments from the Western part of Romania. Due to the fact that the state budget for 2019 is far from being approved and due to the public procurement procedure, we will have huge delays in producing the QSL cards. We will try to find a solution to produce them first in an online version. (RRI via Chrissy Brand 5 March/British DX Club)

Reception of **Radio City** via RADIOCOM Săftica from April 6:

0800-0900 on 9510 SAF German Sat  
(DX Mix-Bulgaria)

**RUSSIA** Good signal of **GTRK Adygeya/Adygeyan Radio**, April 5:

1800-1900 on 6000 ARM Adygeyan Fri  
(DX Mix-Bulgaria)

Good signal of **GTRK Adygeya/Adygeyan Radio**, April 8:

1800-1900 on 6000 ARM Ad/Ar/Tu Mon  
(DX Mix-Bulgaria)

Fair signal of **GTRK Adygeya/Adygeyan Radio**, April 22:

1800-1830 on 6000 ARM Ad/Ar/Tu Mon  
1830-1900 on 6000 ARM Adygeyan Mon  
(DX Mix-Bulgaria)

**SINGAPORE** 6195, **BBC** via Singapore. Mar.4 at 0958(IS)-1100 in English. SI0454. World news at 1000, followed by "World update" at 1006 & news at 1030. (Shimada-Japan/Japan Shortwave Club)

**SOLOMON ISLANDS** 5020, **SIBC** (presumed), 1244+, on April 3. Another day of slightly above threshold level audio; pop songs (many C&W songs); another day running past their usual 1200\*. (Ron Howard-CA) 5020, SIBC. Today (April 4) I heard SIBC with the best audio level that I have heard here in over a year of hearing extremely low modulation (mostly unusable); 1049-1200\*, so no extended broadcast today; 1059, the usual calliope music and into the SIBC News in English (gave election result, etc.), but only bits and pieces readable; 1107, break in the news for a clear ID; 1156, the usual evening devotional and prayer in English; ID and National Anthem; heavy QRM (static). (Ron Howard-CA) 5020, SIBC - the Voice of the Nation, 1001, on April

5. Tuned in to hear a second day of respectable audio level; ID for "SIBC, the Voice of the Nation"; only bits and pieces made out; DJ in Pijin, playing EZL Pacific Islands songs till transmitter off at 1013\*; later checking through 1200\*, did hear their carrier, but no trace of any audio. Certainly transmitter problems! (Ron Howard-CA) 5020, SIBC - the Voice of the Nation. For two days (April 4 & 5) heard this station with decent audio, which was just after their elections, but since then (through April 16), have only been able to hear a carrier with no audio at all, which had been the situation here for over a year. Was very nice to catch two days of listenable audio, but why could they not continue with it? (Ron Howard-CA)

**SPAIN** A19 schedule for **Radio Exterior** Mon-Fri:

1500-2300 on 11670 12030 Mon-Fri  
1800-0200 on 9690 11940 Sat-Sun  
1400-2200 on 9690 11670 11940 12030  
English is probably at 2200-2230 Mon/Wed/Fri on 9690 11670 11940 12030. (British DX Club)

**SRI LANKA** Reception of **Sri Lanka Broadcasting Corporation** in 25mb, April 6:

1630-1830 on 11750 TRM Sinhala City FM, very good  
1700-1800 on 11835 TRM Tamil Thunder FM, very good  
(DX Mix-Bulgaria)

**SUDAN** 9505, **V.O. Africa**, Sudan(presumed). Feb.18 at 1800-1830 probably in Hausa. SI0232(ECSS-USB). Talking by a man and a woman until 1820, and indigenous music thereafter. (Suzuki-Japan/Japan Shortwave Club)

**SURINAME Radio Apintie**, Paramaribo, was reported back on the air on 4990 in March. Mauno Ritola asked the station back in De-

ember if they had closed, but they said no, they were waiting for spare parts. It's low power though, maximum 1 kilowatt when on full power, which it wasn't when it returned, according to Mauno on WRTH Facebook page (21 March). Exact frequency reported since return is 4989.98, and it broadcasts mainly in Dutch. (British DX Club)

**TAIWAN** Summer A-19 frequency changes of **Radio Taiwan International**:

0000-0100 on 9490 TSH Chinese, addit. freq.

1100-1200 NF 7235 TSH Chinese, ex 7300  
A-18

1200-1300 NF 9470 TSH Chinese, ex 7300 A-18  
(DX Mix-Bulgaria)

6280, **Sound of Hope**, at 1100, on April 5. The usual OM & YL with "Xiwang zhi sheng guoji guangbo diantai" (Sound of Hope international broadcast station) ID (thanks to Amano-san's assistance); // 6230. (Ron Howard-CA)

**THAILAND** Reception of **Voice of America** via Udorn Thani, April 6:

1130-1200 on 12030 UDO Learning English, good  
(DX Mix-Bulgaria)

Reception of **HSK9 Radio Thailand WS** in 31mb on April 9:

1230-1300 on 9390 UDO English, weak/fair  
1400-1430 on 9390 UDO English, fair/good  
(DX Mix-Bulgaria)

**TURKEY** A19 schedule for **Voice of Turkey** in English:

0300-0400 on 6165 9515  
1230-1330 on 15450  
1630-1730 on 15520

1830-1930 on 5945  
2030-2130 on 9620  
2200-2300 on 9830  
(HFCC/British DX Club)

9610, **V.O. Turkey**. Mar.5 at 2145-2158 in English. SI0332 to 311. "From the Turkish press" & local songs. (Nagatani-Japan/Japan Shortwave Club)

**UNITED ARAB EMIRATES** Reception of **FEBA Radio** via ENC-DMS Al Dhabayya, April 7:

1800-1830 on 6150 DHA Tigrinya Sun, fair  
(DX Mix-Bulgaria)

Reception of **FEBA Radio** via ENC-DMS Al-Dhabayya on April 8:

1600-1630 on 11655 DHA Afar, very good signal  
(DX Mix-Bulgaria)

7300, **BBC** via Dhabbaya, UAE. Mar.4 at 2200-2300 in English. SI0343. World news, followed by Newsroom at 2206, news at 2230 and "World business report" at 2232. QRM: China Radio International in Chinese on 7305. (Shimada-Japan/Japan Shortwave Club)

**USA** Maurice Hall, founder of World Christian Chronicle, dies at 99. The Christian Chronicle By Erik Tryggestad: Franklin, Tenn.-based World Christian Broadcasting reports: Maurice Hall, whose idea and vision led to the founding of World Christian Broadcasting, died March 8 at his home in California, three days after his 99th birthday. "It was his dreams during World War II that made World Christian Broadcasting possible," said president and CEO Andy Baker. A native of Tennessee Colony, Texas, Hall served in the U.S. Army and was involved in setting up and shipping shortwave radio equipment for President Franklin D. Roosevelt's use at Yalta in 1945. He came up with the idea of transm

shortwave radio. Hall's dream became a reality in 1983, when station KNLS in Anchor Point, Alaska, signed on the air. The station has been broadcasting since, and now, World Christian Broadcasting also operates Madagascar World Voice. The two stations blanket the globe with Gospel messages and information in several languages. (British DX Club)

Change in USAGM QSL Policy. "We have recently instituted a one-QSL-per-month-per-person policy. If you wish to receive another QSL please send another report next month. US Agency for Global Media Transmission & Engineering Directorate - Broadcast Technologies Division. qsl@usagm.gov. (via Frank Helmbold-Germany via Prof. Dr. Hansjoerg Biener-Germany, wwdxc Apr 3)

**Televisión Martí** (not R. Martí) is on shortwave from April 23:

2200-2400 on 5980 Greenville GB Spanish  
Mon-Fri  
0000-0300 on 5980 Greenville GB Spanish  
Tue-Sat  
(DX Mix-Bulgaria)

Updated A19 shortwave schedule of Shortwave Radiogram:

1300-1330 on 15770 YFR English Fri WRMI  
1500-1530 on 15120\*INB English Fri WINB  
0230-0300 on 9265 INB English Sat WINB  
0800-0830 on 5850 YFR English Sun WRMI  
0800-0830 on 7730 YFR English Sun WRMI  
2330-2400 on 7780 YFR English Sun WRMI  
(DX Mix-Bulgaria)

**UZBEKISTAN** Spectres of shortwave via RRTM Telecom Tashkent, April 24:

2300-0100 on 7595 TAC English/French, very good  
(DX Mix-Bulgaria)

"Spectres of Shortwave / Ombres des ondes courtes is the first feature-length documentary by veteran Canadian artist and filmmaker Amanda Dawn Christie. Shot over seven years, the film follows the gradual dismantling of Radio Canada International's 113-metre tall shortwave towers in Sackville, New Brunswick. While built to relay broadcasts around the world, over their seven decades of operation the towers became notorious locally after repeated instances of ghostly voices emanating from unconventional household objects. Such stories form part of the film's rich soundscape, also constructed using contact mics on the towers. Produced as both a single-channel film as well as a radio documentary, Spectres of Shortwave / Ombres des ondes courtes will be presented simultaneously in the Toronto cinema space at the same time it is broadcast over the airwaves of an international shortwave station." (Christian Milling-D, A-DX ng April 23)

**VATICAN** A19 schedule for **Vatican News** in English:

1130-1200 Fri on 15595-smg 17590-smg  
(Mass)  
1615-1630 Daily on 11950-smg  
1630-1700 Daily on 7360-mdc 15565-smg  
2000-2030 Daily on 7360-smg 9705-smg  
(HFCC/British DX Club)

**ZAMBIA** Good signal of **Voice of Hope Africa** via tx#2 on April 3:


0500-0800 on 11680 LUV English Mon-Fri  
(DX Mix-Bulgaria)

5915, **R. One/ZNBC1**, on April 16, heard with anomaly format. Perhaps a one day only, unique event? Yesterday (April 15), checking at 0215, 0245, 0302, 0331 & 0406, only to find them clearly off the air (no carrier or anything); so yesterday not on for 24 hours. To-

day heard broadcasting from tune in at 0146, till tuned out at 0506. Highlights: 0146+ - About a hour of just a carrier (no audio at all). 0251-0415 - Almost all non-stop country & western songs in English; a few brief IDs. 0415-0426 - DJ in English; "The time now is 06-15," "Good morning. This is what we have lined up for you today," "Wakey, wakey! Good morning, good morning, good morning to you," "The time now is 06-18"; played pop African song. Sounded like a ZNBC2 program or FM relay? 0426-0506 - Only a carrier with no audio at all. Had hoped the DJ would return after the music, but didn't. Hoped for the news in English at 0500, but still only a carrier. (Ron Howard-CA)

9680, **Voice of Hope Africa**, on April 16, at 0508. Religious songs; ID ("With love from

Zambia, Africa. This is the Voice of Hope"); religious programming in English. (Ron Howard-CA) Yes, I've heard it here in SoCal too when there's a path of darkness. It's good to hear. However, that is, of course, DXer quality, and we need the signal to be a lot, lot stronger than that in our target areas for casual listeners to tune in. But, fortunately, it is, and they do! Thanks for the note of encouragement. (Ray Robinson-CA)

Schedules, news and other information about shortwave broadcasting activity can be send to Richard A D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610 or via e-mail to rdangelo3@aol.com (please indicate in the subject that your contribution is for Listeners Notebook). Thanks! 73, Rich 

# Pirate Radio Report

George Zeller • 3492 West 123<sup>rd</sup> Street • Cleveland, OH 44111 • georgez@nacs.net

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Shortwave pirate broadcasting continued at a very brisk pace once again during the past month. Pirate broadcasting inevitably increases around major North American holidays. By far the biggest holiday for shortwave pirate broadcasting purposes in May is Memorial Day, which falls on Moneqy, May 27 this year. Those broadcasts usually extend throughout the Memorial Day holiday weekend, including a few days prior to Memorial Day itself. But, a major downside this month is that darkness propagation paths continue to shrink, since summer is approaching in North America. Seasonal static levels on the shortwave bands gradually increase as summer arrives with a widespread increase in thunderstorm-generated static.

Once again this month we have only a few updates to news on Congressional committee

hearings on the "Preventing Illegal Radio Abuse Through Enforcement" act, with an acronym of the "Pirate Act." This bill would provide for fines of pirate radio stations of \$100,000 per day, with a maximum fine of \$2 million. The bill is sponsored by Rep. Leonard Lance (R-NJ) and Rep. Paul Tonko (D-NY). Our sharp-eyed desktop publisher, Ralph Brandi in NJ, points out that when the bill was reintroduced in the current session of Congress, Lance was no longer a co-sponsor, since he was defeated in the November election by more than 16,000 votes. As of the end of April, this bill's prognosis in the Congress remains uncertain. The Pirate Act last year on July 12 did get a vote in the House of Representatives Energy and Commerce Committee, where it passed unanimously. At this point, the Pirate Act was merged with some provisions of the Net Neutrality legisla-

tion that is going through Congress. At that point some opposition emerged from some Democrats in Congress. The radio legislation is further complicated by controversial bills to criminalize online internet privacy. All of this is further complicated by the literal chaos within the Federal Government associated with the the Kavanaugh nomination to the Supreme Court, the takeover of the House of Representatives in 2019 by the Democrats as a result of the November 2018 midterm election, and the partial shutdown of the Federal Government late in 2018. The fate of this bill in the House and Senate of the Congress and on the desk of President Trump remains uncertain at column deadline time. The full text of the house bill is still on the internet at:

[https://docs.house.gov/meetings/IF/IF16/20180322/108059/BILLS-115pih-HR\\_\\_\\_-U13.pdf](https://docs.house.gov/meetings/IF/IF16/20180322/108059/BILLS-115pih-HR___-U13.pdf)

A new Pirate Act with new sponsors has emerged in the House of Representatives in 2019. But, investigations of numerous executive branch staff and President Trump's attorneys are dominating the Congressional agenda on virtually a daily basis. So, we will have to continue to monitor the Pirate Act situation on a regular basis.

Pirate busts by the FCC during the past month were mostly concentrated in the New York City metro area and in Florida as usual. This month we again omit the individual bust notices issued by the FCC. Tom Taylor Now via Rich D'Angelo once again points out that some recent FM busts continued to be of both pirate operators and their landlords. Once again this month the FCC appears to have issued no citations to shortwave pirates in the United States. Your pirate DX news and logs for this column are always welcome. Feel free to send them in so that others can follow trends on how and where others are hearing

unscheduled and ever-changing pirate radio operations on shortwave. Modes are USB unless listed.

**Captain Morgan Shortwave** 6950.7 2325-0010\* 3/22/19 poor to good variable. Prgm of blues mx. (Taylor, WI)

**Irish Rose R.** 6925 0138-0215\* 3/15-16/19 fair. Discussion of Irish culture & mx. (Taylor, WI)

**Irish Rose R.** 6925 2106-0210\* 3/15-16/19 poor to fair. Patrick w/prgm of Irish cultural issues. (Montney, MI)

**Irish Rose R.** 6925t 2201 3/16/19 S9. Discussion of Irish culture & mx; appeared to be a test of forthcoming St. Patrick's day best tomorrow. Couldn't really copy a clear ID during this test, despite good signal. (Hauser, OK)

**Irish Rose R.** 6941 2133-2144\* 3/17/19 fair. Discussion of Irish culture & mx. SSTV images at close. (Taylor, WI)

**Ion R.** 6964.75 2353-0030 3/16-17/19 fair to good. Prgm of mellow instr mx mx. (Taylor, WI)

**Mix R. International** 5063 2215 3/10/19 fair. Prgm of techno mx. (Taylor, WI)

**Mix R. International** 6880 2215-0130+ 3/23-24/19 good. Prgm of mainly hard rock mx. (Taylor, WI)

**Mix R. International** 6880 2215-0130+ 3/24/19 S9+10. Prgm of mainly hard rock mx, said to be the best prgm on shortwave. Very loud signal better than WBCQ at this time. (Hauser, OK)

**Mix R. International** 6880 0110 3/24/19 very good. Prgm of rock mx mixed sometimes w/sfx. (Henley, WA)

**R. Free USA** 6925 2300 3/16/19 fair. Much of prgm was a relay of President Trump speech critical of Mexico. Also several Pink Floyd songs. (Montney, MI)

**Skippy R.** 5063 2215-0130 3/23-24/19 fair. Prgm of classic rock mx. (Montney, MI)

**Skippy R.** 6880 2155 3/23/19 good. Some discussion f current pirate gossip mixed with a prgm of hard rock mx. Several different SSTV images at close. (Taylor, WI)


**Skippy R.** 6925 2211-2247 3/17/19 fair. Prgm of classic rock mx w/some SSTV images. (Montney, MI)

**Sloppy Joe R.** 6925 2145 3/16/19 fair. Just caught the end of the prgm w/ID. (Taylor, WI)

**Sloppy Joe R.** 6925 2125 3/16/19 fair to good. Program mostly a discussion of food & recipes. (Montney, MI)

**WDDR, Drunken DJ R.** 6960 2128-0210 3/24-25/19 very good. Prgm of rock tunes and commentary by the drunken DJ. (Taylor, WI)

**Wolverine R.** 6950 0027 3/17/19 fair. Prgm of rock tunes abt friends. SSTV image at close of two girls hugging Wolverine. (Taylor, WI)

**Wolverine R.** 6950 0032 3/17/19 S9. Very good signal, but rock mx prgming hard to distinguish from Moonlight R. (Hauser, OK) 

# Contributors' Page

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**DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH**

The following members sent in contributions:

**Rick BARTON**, Sun City, AZ

SW-2000629, Satellit 205/T.5000 & 650, HQ-200 & 180A, ATS-909X, outdoor Slinky and random longwires

**Eric BUENEMAN**, Hazelwood, MO

Yaesu FRG-7, Apex 303WA-2 vertical antenna

**Ed CICHOREK**, Somerset, NJ

IC-R-75, SW8, MFJ956, SWL4-50 wire

**Rich D'ANGELO**, French Creek DXpedition, PA

Ten-Tec RX-340 w/500 ft N wire, Drake R8B w/250 ft NE wire, Eton E1 w/whip antenna

**Mick DELMAGE**, Sherwood Park, ALB

Perseus SDR, Wellbrook ALA-100

**Glenn HAUSER**, Enid, OK

No equipment listed

**Vince HENLEY**, Anacortes, WA

Winradio G39DDC, Icom IC-R8600, RX-340, R8B, SDRPlay RSP Duo, PL-880, Alpha-Delta DX Ultra, whip

**John HERKIMER**, NY

No equipment listed

William MCGUIRE, Cheverly, MD

John MILLER, Ochlocknee, GA

Alan ROE, Teddington, UK

Gayle VAN HORN, NC

No equipment listed

Sony 7600R, Grundig 450XL

Winradio G33DDC Excalibur, ELAD FDM-S2 17m long  
wire, SDRPlay RSP1, ALA1530LN

No equipment listed



2000–30000 kHz

# Loggings

Dave Turnick • 372 Spohn Road • Sinking Spring, PA 19608 • david.turnick@gmail.com

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2850 **KOREA, NORTH KCBS** at 1510 UTC February 17 with classical music program. Very Big Signal! (Delmage, AB)

2850 **NORTH KOREA KCBS** 3/9 at 1350. W in long Korean monologue, sappy vocal music after the hour - 23333 Barton-AZ

3240 **SWAZILAND (ESWATINI) Trans World Radio** – Mpangelo Ranch, \*0258-0345\* Jan 28, nice tuning signal with “Trans World Radio, Swaziland” IDs mixed in Fair. (D’Angelo-PA/FCDX)

3240 **ESWATINI TWR** relay Manzini – 2/14 0310 noted with Christian teaching in Shona; SIO 232. (Bueneman-MO)

3260 **PAPUA NEW GUINEA NBC Madang** (very tentative), 1150-1157 Jan 28, very weak and just barely audible before closing down rather abruptly. Poor reception. (D’Angelo-PA/FCDX)

3265 **UNITED STATES OF AMERICA WBCQ** Monticello, ME – 2/14 0508 noted with 1920s Jazz, Country and 1950s rock and roll selections and a jingle; SIO 333. (Bueneman-MO)

3310 **BOLIVIA Radio Mosoj Chaski** - Cochabamba, 1004-1036 fade out Jan 28, man announcer with talks hosting rustic music program. Fair signal until began fading out. (D’Angelo-PA/FCDX)

3320 **SOUTH AFRICA Radio Sonder Grense** - Meyerton, 2149-2230 Jan 27, Afrikaans language program with romantic vocal selections hosted by a woman announcer. Fair to good signal. (D’Angelo-PA/FCDX)

3325 **PAPUA NEW GUINEA (BOUGAINVILLE) NBC** (tentative), 1142-1158 Jan 28, noted several times but finally some audio with man announcer talking and some musical selections. Gone quickly. Poor reception... Silently gone at 1157. (D’Angelo-PA/FCDX)

3325 **INDONESIA *Voice of Indonesia*** at 1459 UTC February 23 with English announcement for VoI then into Chinese broadcast at 1500 UTC. Good (Delmage, AB)

3330 **CANADA *CHU*** Standard Time and Frequency station in EE and FF. SIO 444. February 10, 2019, 0514 – 0527. Decent signal from CHU this evening. Slight QRN, but perfectly usable time signal. (Henley, WA)

3345 **SOUTH AFRICA *Channel Africa***- Meyerton, 0302-0332 Jan 28, English Service with a man and woman announcers with news followed by various features. Poor to fair. (D'Angelo-PA/FCDX)

3945 **JAPAN RADIO *Nikkei Two*** 2/19, at 1340 with W in Japanese, pop vocal music (but not the oft heard kiddie J-Pop). Closing out at the ToH - Fair/Good Barton-AZ

3955 **ENGLAND *KBS World*** – Woofferton, 2156-2201\* Jan 28, French language program with talks and some music. Close-down announcements and instrumental music to closing. Fair signal but amateur activity ruined reception. (D'Angelo-PA/FCDX)

3985 **GERMANY *Radio Belarus***, Kall, 01/09, 2035. French. Opera song followed by talk by female host. 45333. (Roe-UK)

3985 **GERMANY *Radio Slovakia Int'l***, Kall, 01/16, 2002. English. News followed by a feature on the Jan Kuciak Investigative Centre. 45333. (Roe-UK)

4055 **GUATEMALA *Radio Verdad*** at 0512 UTC February 17 in Spanish with music and talk. Very Good (Delmage, AB)

4765 **CUBA *Radio Progreso*** via Bejucal – 1/30 0245 noted with vocal music and a brief announcement in Spanish; SIO 434. (Bueneman-MO)

4840 **UNITED STATES *WWCR 3*** Religious Program in EE. SIO 444, February 10, 2019, 0514 – 0520. OM preacher, with Bible quotes, readings from Paul's epistles. Heavy QRN, steep QSB, with signal deteriorating. Difficult listening. Henley, WA)

4885 **BRAZIL *Radio Clube do Para*** ZYG362 Belem – 2/15 0746 noted with a discussion in Portuguese; SIO 323 with some CODAR QRM. (Bueneman-MO)

4895 **MONGOLIA** (pres) at 1513 UTC February 23 with talk between man and woman. Big Signal (Delmage, AB)

4930 **BOTSWANA *Voice of America*** relay Mopeng Hill – 1/27 0315 noted with news analysis in English; SIO 323. (Bueneman-MO)

5025 **CUBA *Radio Rebelde*** in SS. SIO 444, February 10, 2019, 0447 – 0451. Latin MX. Listed target is Caribbean. Heavy QRN, shallow QSB. Listenable. (Henley, WA)

5040 **CUBA Radio Havana Cuba** – 2/14 0632 noted with commentary in English; SIO 323. (Bueneman-MO)

5050 **CHINA Beibu Bay Radio** in Chinese at 1508 UTC February 23 with song and talk. Very Good (Delmage, AB)

5085 **UNITED STATES WTWW** Lebanon, TN – 2/14 0635 noted with pop oldies, announcement giving a phone number and a Texas mailing address in English; SIO 323. (Bueneman-MO)

5835 **ARMENIA BBC World Service** - Yerevan, 0022-0105 Jan 29, English World Service program. Poor. (D'Angelo-PA/FCDX)

5845 **SINGAPORE BBC** relay in KK. SIO 333, February 5, 2019, 1641 – 1646. BBC in KK with some EE clips. YL anchor in interview format. Some MX clips between items. Moderate QRN, slight shallow QSB. Listed target is Far East. Listenable. (Henley, WA)

5875 **THAILAND Radio Thailand** - Udorn, 1107-1130\* Jan 28, Man announcer talking in Vietnamese language followed by a vocal by a female singer... Fair signal. (D'Angelo-PA/FCDX)

5910 **CUBA China Radio Int'l** via Havanain CC. SIO 555, February 10, 2019, 0438–0440. CRI in Cantonese. OM announcer and YL commentator. Conversation format. Excellent signal. (Henley, WA)

5910 **UNITED ARAB EMIRATES KBS World Radio** - Dhabayya, 2059-2100\* Jan 27, woman announcer with talk in the Arabic language followed by a man announcer with station ID and close-down announcements over soft instrumental music.. Fair. (D'Angelo-PA/FCDX)

5925 **ASCENSION ISLAND BBC** relay – 2/14 0533 noted with news briefs, BBCWS ID into news analysis in English; SIO 323. (Bueneman-MO)

5925 **FRANCE RFI** relay Issodoun – 2/19 0648 noted with sports report in French; SIO 434. (Bueneman-MO)

5930 **AUSTRIA BBC** - Moosbrunn, 0127-0135 Jan 28, woman and man announcers with closing station IDs in Pashto language before opening of program in Dari language. Fair to good (D'Angelo-PA/FCDX)

5935 **UNITED STATES WWCR** with Dr. Gene Scott religious program. SIO 434, February 10, 2019, 0434 – 0437. YL preacher with heavy QRN, steep QSB. Listed target is North America. Noisy, but listenable. (Henley, WA)

5950 **ETHIOPIA Voice of Tigray Revolution**, Addis Ababa, 01/17, 0255. Tigrinya. Transmitter on at 0255 with Interval Signal (same as interval signals online); followed by talk at 0300IUT by male voice including references to “kilohertz” (presumably their frequency schedule). 25332. (Roe-UK)

5965 **CHINA CHINA Radio Int'l** (Beijing) 3/7 at 1520. M in Russian, female pop vocal music Well after local daybreak here - Barton-AZ

5970 **CHINA PBS Gannan** - Hezuo, 2349-0007 Jan 27, mixing with Radio Free Asia's Tibetan service with man and woman announcer with Chinese talk. 4+1 time pips and a man announcer with the news at top of the hour and in the clear after RFA left channel. (D'Angelo-PA/FCDX)

5970 **UNITED ARAB EMIRATES Radio Free Asia** - Dhabayya, 2321-2340 Jan 27, talk in the listed Tibetan language by a man and woman announcers. Fair prior to China fading up to ruin reception. (D'Angelo-PA/FCDX)

5990 **CUBA China Radio Int'l**, March 13 at 0101, CRI English relay starting news, but cut to dead air at 0101.5, and cut carrier at 0102.4\*. Supposed to be turned off before 0100. Something's always wrong at Radio Cuba (Hauser, OK)

5990 **CHINA China Radio Int'l** 2/27 at 2300 in EE. National New and report on Nigeria (McGuire-MD)

5995 **MALI Radio Nationale du Mali** at 2257 UTC March 9 in French with conversations over the phone. Almost like a contest. Great West African music and IDs heard throughout. Transmission abruptly ended at 2358:58. Excellent (Delmage, AB)

6000 **CUBA Radio Habana Cuba** in EE. SIO 555, February 10, 2019, 0427 – 0434. Discussion of water pollution in Havana and other environmental concerns. OM hosting "Music with a Message" program. YL singing in SS. Some moderate QRN, but otherwise a good signal. (Henley, WA)

6005 **GERMANY RAE Argentina**, Kall, 01/15, 0820. German. Argentinian song and talk by female host. Some clips of Queen Song "Bicycle", followed by more talk and Argentinian music. And ending with tennis news. 35333. (Roe-UK)

6005 **GERMANY RAE Argentina**, Kall, 12/16, 0835. German. Music and talk by female host including Sports Magazine. 45333. (Roe-UK)

6015 **ZANZIBAR Zanzibar Broadcasting Corporation** – Dole, 0351-0426 Jan 29, several men in heated Swahili language talks but heavy QRM splatter from China Radio International limited reception. (D'Angelo-PA/FCDX)

6020 **SÃO TOMÉ E PRÍNCIPE Voice of America** relay – 2/14 0540 noted with news analysis in French; SIO 333. (Bueneman-MO)

6040 **FRANCE RFI** relay Issodoun – 2/14 0543 noted with African news analysis in French; SIO 323. (Bueneman-MO)

6045 **UNITED KINGDOM *KBS World*** relay Woofferton – 2/19 0720 noted with news analysis and discussion in Korean; SIO 323. (Bueneman-MO)

6050 **TURKEY *Voice Turkey***, Emirler, 01/30, 1930. English. News, music and program: Turkey's Tourist Attractions. 55444. (Roe-UK)

6055 **JAPAN *Radio Nikkei One***, 3/7, at 1445 with Rave trance music, man in Japanese at the top of the hour, pop music, then cut off suddenly seconds past 1500 (schedule says bx should end at 1500) - Barton-AZ

6060 **CUBA *Radio Habana Cuba*** in EE. SIO 555, February 10, 2019, 0533 – 0541. Excellent signal. Good Latin MX with listed target of Eastern North America. This is the "Music with a Message" program. MX in SS, host in EE. Song dedicated to the "...many martyrs of the Cuban Revolution..." (Henley, WA)

6060 **BRAZIL *Radio Tupi***, 0045, 2-28-19. Romantic sounding female vocal in Portuguese followed by guitar and vocal by male. Brief announcement by woman followed by another male vocal. Fair to good with fading. (Cichorek-NJ)

6065 **ZAMBIA *VO Hope Africa***, Makeni Ranch, 01/17, 1655. English. Beacon of Truth program; ID followed by a Christian song 35333. (Roe-UK)

6070 **GERMANY *Channel 292***, Rohrbach, 02/09, 2020. English. Live version of Pink Floyd Shine on You Crazy Diamond. TX off at 2030UT. 55444. (Roe-UK)

6070 **CANADA *CFRX***, 0016, 2-28-19. In English, traffic report, ads for mobile phone service, Staples, adds for Shell casual ID's. Nice armchair signal this evening. (Cichorek-NJ)

6070 **CANADA *CFRP*** at 0200 with time saver, traffic report and news talk. (Miller-GA)

6085 **GERMANY *Radio Mi Amigo Int'l***, Kall, 01/30, 0855. Music. No-stop oldies songs - mostly 80's music this morning. 45333. (Roe-UK)

6085 **JAPAN *SHIOKAZE/Sea Breeze*** 3/9, at 1330, with W in Korean. Confirmed on and over Nook jammer - SINPO 55555 Barton-AZ

6085 **JAPAN *Shiokaze/Sea Breeze*** 3/9, 1405, M in Japanese, back for latest round after the hour (They were on last hour, and closing at 1400) - Barton-AZ

6090 **CHINA *China National Radio 2*** - Kunming, 1125-1137 Jan 28, man and woman announcer with Chinese language talks with musical selections. Several announcements at bottom of the hour followed by more features and remote reports. Poor to fair. (D'Angelo-PA/FCDX)

6105 **FRANCE *Radio Algerienne*** – 2/16 0615 noted with vocal music in Arabic; SIO 222, lost when Radio Havana Cuba suddenly signed on 6100 at 0617. (Bueneman-MO)

6110 **ETHIOPIA *Radio Fana*** - Addis Ababa, 0424-0445 Jan 29, a terrific program of Horn of Africa vocals hosted by a man announcer with Amharic language talks. Fair to good signal. (D'Angelo-PA/FCDX)

6115 **NEW ZEALAND *Radio New Zealand Int'l***, 1302-1326 Jan 28, man announcer with Pacific regional news report before Dateline program commenced at 1308. Fair to good signal. (D'Angelo-PA/FCDX)

6130 **CHINA (TIBET) *PBS Lhasa***, 1157-1209 Jan 29, looking for Lao National Radio but this was there instead with traditional vocals to time pips and woman announcer in Tibetan followed by more music. Very poor. (D'Angelo-PA/FCDX)

6155 **AUSTRIA *Radio Japan***, Moosbrunn, 01/12, 0500. English. News; Reading Japan - Part two of a reading of 'Green Thumb'. 55555. (Roe-UK)

6165 **CUBA *Radio Habana Cuba*** in EE. SIO 555, February 10, 2019, 0422 – 0426. News of Cuba's new constitution and the voting thereon. YL commentator. OM with Latin MX program, Havana culture program, and contact information. (Henley, WA)

6165 **CHINA *China National Radio 6*** - Beijing, 1139-1148 Jan 29, man announcer with Chinese language talks hosting a program of traditional Chinese music. Poor to fair. (D'Angelo-PA/FCDX)

6180 **ROMANIA *Radio Romania Int'l***, Saftica, 01/11, 1940. German. Romanian traditional music followed by a feature about William Blacker who wrote a book called "Along the Enchanted Way". 55555. (Roe-UK)

6185 **MEXICO *XEPPM Radio Educacion***, 2359, 2-28-19. Light piano music, talk by woman with musical background, probable ID and into talk in Spanish. Poor to fair signal. (Cichorek-NJ)

6190 **MADAGASCAR *World Christian Broadcasting*** – Mahajanga, 0210-0232 Jan 28, Spanish language program with religious talks by man announcer, station ID by a woman announcer and brief musical selections. Good signal. (D'Angelo-PA/FCDX)

6195 **UNITED STATES *NHK Radio Japan*** relay via WHRI in SS. Cypress Creek, SC. SIO 555, February 10, 2019, 0416 – 0420. OM and YL commenting in SS. Excellent Signal. Listed target is South America. (Henley, WA)

6195 **BOTSWANA *Voice America***, Mopeng Hill, 01/16, 2035. English. African Beat with some great modern African music. 45444. (Roe-UK)

6195 **UNITED STATES *NHK World*** via WSHB Cypress Creek, SC – 2/17 0943 noted with announcers reading listener mail in Spanish; SIO 555. (Bueneman-MO)

- 7205 **CHINA *China Radio Int'l***, Beijing, 01/27, 0000. Mongolian. News and talk by female and male co-hosts, and modern Mongolian rap and other Mongolian pop songs. 35333. (Roe-UK)
- 7205 **FRANCE *Radio France Int'l*** - Issoudun, 2138-2152 Jan 27, several men in heated discussion program in the French language. Fair to good signal. (D'Angelo-PA/FCDX)
- 7210 **ALBANIA *China Radio Int'l relay*** Cerrik – 2/22 2222 noted with news analysis, mentions of China and talk on Chinese culture in Spanish; SIO 333. (Bueneman-MO)
- 7230 **SOUTH AFRICA *Channel Africa*** at 0500 2/19. World News and info about Nigeria and the Congo. Barely audible (Miller-GA)
- 7250 **BANGLADESH *Bangladesh Betar***, Dhaka, 02/02, 1720. Bengali. Bangladeshi music and announcements by male voice. 33433. (Roe-UK)
- 7255 **NIGERIA *Voice of Nigeria*** – 2/16 0620 noted with discussion in Hausa; SIO 333. (Bueneman-MO)
- 7265 **CLANDESTINE *Radio Koode Int'l*** - Issoudun, \*1900-1930\* Jan 28, flute music opening followed by a man announcer with listed Fulfulde language station ID and opening announcements. Poor to fair signal but some deep fades. (D'Angelo-PA/FCDX)
- 7280 **VIETNAM *VO Vietnam***, Hanoi, 01/19, 1605. English. News; Saturday Music Show - songs about the Central Highlands. 45333. (Roe-UK)
- 7325 **CHINA *China Radio Int'l***, Urumqi, 01/21, 2012. Serbian. Progressive rock instrumental song followed by English-language pop song, all introduced by female host. 55544. (Roe-UK)
- 7325 **CHINA *China Radio Int'l*** - Jinhua, 1205-1222 Jan 28, man announcer with Japanese language news program. Poor. (D'Angelo-PA/FCDX)
- 7325 **ROMANIA *Radio Romania Int'l*** 2/21 at 000 in SS. Mainly national news. Poor (McGuire-MD)
- 7330 **NEW ZEALAND *Radio New Zealand Pacific*** – 2/17 0930 noted with political news in English; SIO 444. Also noted 2/19 0759 with IS, time pips and news in English; SIO 434. (Bueneman-MO)
- 7345 **ASCENSION ISLAND *BBC*** relay – 2/14 0604 noted with news, BBCWS ID into analysis of upcoming elections in Nigeria in English; SIO 333. (Bueneman-MO)
- 7350 **CHINA *China Radio Int'l***, Kashi, 01/27, 0000. English. Language Café (talking about the phrases “A sticky wicket” and “To cash in”); Rediscovering China 9about the Chinese tradition of the Bang-Bang in Chongqing). 45444. (Roe-UK)

- 7355 **SINGAPORE BBC WS**, 3/6, at 1630 with M in Korean, and Korean-English language lesson segment at 1645. Barton-AZ
- 7435 **CHINA China Radio Int'l** via Jinhua site in English at 1703 UTC February 24 with News. Good // 9570 kHz via Beijing also good. (Delmage, AB)
- 7440 **GERMANY Channel 292**, Rohrbach, 01/29, 0735. Music. Non-stop oldies. 45444. (Roe-UK)
- 7440 **GERMANY Radio Ohne Namen**, Rohrbach, 01/28, 1500. German. Usual enjoyable selection of German 30's big band music. 34333. (Roe-UK)
- 7445 **ENGLAND BBC**, 0036, 2-7-19. Two people in listed Dari language in what sounded like a radio play. SI0222 (Cichorek-NJ)
- 7505 **UZBEKISTAN N Korea Reform Radio (tent)**, Tashkent, 01/24, 2055. Korean. Talk between two women and Asian (presumed Korean) music. 15331. (Roe-UK)
- 7505 **UNITED STATES WRNO** – New Orleans, 1049-1112 Jan 28, English language religious program with nice station ID at change of program at top of the hour. Good signal. (D'Angelo-PA/FCDX)
- 7530 **TAIWAN Suab Xaa Moo Zoo** (Voice of Hope) – Tamsui District, 2234-2300\* Jan 27, group vocal selections followed by a long talk by a man announcer in the listed Hmong language. Brief vocal prior to closing announcements. Poor to fair. (D'Angelo-PA/FCDX)
- 7550 **INDIA AIR Raagam**, Bengaluru, 01/24, 2030. French. Indian classical music. DRM: (Channel 2) 18dB. (Roe-UK)
- 7780 **UNITED STATES RAE Argentina**, Okeechobee, 01/16, 2200. Italian. Long talk over music bed by male and female co-hosts including some Argentine songs. 45333. (Roe-UK)
- 9100 **SOUTH KOREA Echo of Hope** 2/17 at 1600. M in Korean, choral music and more Korean monologue. Barton-AZ
- 9380 **INDIA AIR** via Aligarh at 1420 UTC March 10 in Hindi. Fair (Delmage, AB)
- 9400 **BULGARIA from the Isle of Music**, Kostinbrod, 01/27, 1500. English/Spanish. Nice Cuban electronica music. 45444. (Roe-UK)
- 9420 **GREECE Voice of Greece**, Avlis, 02/06, 2105. Greek. Some nice haunting Greek music. 55444. (Roe-UK)
- 9450 **PHILIPPINES FEBC** - Bocaue, 2258-2311 Jan 28, IS followed by woman announcer opening the Iu Mien listed language program. Group singing and talks. Very poor. (D'Angelo-PA/FCDX)

9515 **SAO TOME & PRINCIPE *Voice of America***, 1945, 3-2-19. Two men speaking in listed French with woman joining in conversation. Music at 1959, man in French and Yankee Doodle at 2000. Continued talk in French. Initially fair to poor but improved to a solid fair at 2003. (Cichorek-NJ)

9525 **CLANDESTINE *Dengê Welat*** – Grigoriopol, 1348-1510 Jan 28, nice musical selections with period Kurdish talks. Nice station ID, time pips followed by detailed news program at 1431. Continued past 1500. Fair. Sergey Omelchenko, Technical Director of Pridnestrovsky Radio elements says up to 1500 is them but from 1500 is Issoudun. (D'Angelo-PA/FCDX)

9560 **TAIWAN FURUSATO *no kaze***, 2/19 at 1430, W in Japanese, musical notes between items. Good signal. Noted // on 7295 (via Taiwan - Very Good) and // on 9960 (via Palau - Fair). Barton-AZ

9630 **BRAZIL *Radio Aparecida***, 0050, 2-12-19. Two men in Portuguese with talk followed by a male vocal. Recitation of the Hail Mary prayer by two men, music, ID at 0059. SI0333. (Cichorek-NJ)

9635 **MALI *Radio Nationale du Mali*** at 1746 UTC March 9 in Lang? With talk and music. Poor (Delmage, AB)

9640 **KOREA, SOUTH *KBS World Radio*** at 1645 UTC February 24 with Weekend Playlist of K-Pop music. Abrupt off at 1700 UTC. Fair (Delmage, AB)

9664 **BRAZIL *Rádio Voz Missionaria*** – Camboriú, 0031–0112 Jan 28, group vocal selection followed by a man announcer with Portuguese language station ID followed by a jingle ID. Several announcements before more music programming. Good signal but //5939.6 was poor. (D'Angelo-PA/FCDX)

9665 **BRAZIL *Radio Voz Missionaria***, 0103, 2-12-19. Lively talk by two males, vocals. SI0333 (Cichorek-NJ)

9665 **BRAZIL *Voz Missionaria*** at 0008 UTC March 10 in Portuguese with man preaching almost aggressively. Very Good (Delmage, AB)

9675 **SAUDI ARABIA *SBA*** at 1835 UTC February 6 in Arabic with very pleasant music and commentary by yl. Good (Delmage, AB)

9675 **SAUDI ARABIA *SBA*** at 1830 UTC February 21 in presumed Turkish with talk by female and music. Huge Signal with slight polar flutter. (Delmage, AB) Sure wish they would have an English service... (Delmage, AB)

9680 **JAPAN *NHK World Radio (Radio Japan)*** on 3/8, at 1520, w/ M in Japanese in what sounded to be news magazine interview SINPO 44444 Barton-AZ

9690 **NIGERIA *Voice of Nigeria*** at 1850 UTC February 8 in English with talk about agriculture. Fair until REE Spain Interval Signal at 1855 UTC. (Delmage, AB)

9690 **NIGERIA *Voice of Nigeria*** – Ikorodu, 1817-11851 Jan 28, woman announcer with English language talk, playing parts of speech before live crowd eventually ending Sixty Minutes program... Fair. (D'Angelo-PA/FCDX)

9690 **TAIWAN *Furusato no kaze***, 3/9 at 1600, mix of talk and music. Choral singing to sudden close at BoH - Good Barton-AZ

9690 **SPAIN *REE*** 2/20 at 2305-2330 in EE/FF. Report on wine festival. Fair. (McGuire-MD)

9700 **NEW ZEALAND *Radio New Zealand Int'l***, \*1059-1104 Jan 28, opened on this channel after closing 9,765 kHz but very poor signal. (D'Angelo-PA/FCDX)

9700 **VATICAN *Radio Veritas Asia – SANTA MARIA DO GALERIA***, 0021-0028\* Jan 28, man announcer talking in the listed **KECHIN** language providing a web address. Flute music before station ID and close-down announcements by a woman announcer. Poor to fair. (D'Angelo-PA/FCDX)

9720 **CLANDESTINE *Radio Erena*** – Kostinbrod, 1702-1724 Jan 28, tuned in to several station IDs followed by Tigrinya language talks, some music features. Good signal. (D'Angelo-PA/FCDX)

9720 **CUBA *Radio Habana Cuba*** March 15 at 2249, RHC in Haitian Kriyol again instead of Portuguese, which I expect a lot more Africans would comprehend although it's rather late beyond Bissau. The 23-24 hour again in English, VG // much weaker 5040 at 2343 check. Something's always wrong at RHC (Hauser, OK)

9765 **NEW ZEALAND *Radio New Zealand Int'l***, 1005-1059\* Jan 28, woman announcer with weather followed by "RN Zeed" station ID... Good signal. (D'Angelo-PA/FCDX)

9800 **FRANCE *Sawtu Linjilia*** – Issoudun, 1846-1900\* Jan 28, male vocal selection followed by flute music and man talking in Fulfulde language. Another man provided contact information prior to flute music closing. Fair. (D'Angelo-PA/FCDX)

9800 **PHILIPPINES *VOICE of America*** News 2/12 at 1430 with news magazine with W in Korean, audio clips in English, on Trump policy effects on South Korea. Barton-AZ

9825 **PHILIPPINES *VOICE of America***, 2/12 at 1400 with Chinese language service. Not hearing PRC jamming here. Barton-AZ

9839 **VIETNAM *Voice of Vietnam*** – Son Tay, 0021-0028\* Jan 28, end of Indonesian language program. Two minutes of dead air before soft instrumental music opening of the English language service. Several nice station IDs followed by the news. Poor but hanging in there. (D'Angelo-PA/FCDX)

9865 **INDIA AIR** 3/7 at 1600. M announcer in (listed) Hindi, traditional Indian music w/ vocals drums flutes Etc. Some propagation flutter - Barton-AZ

9910 **ARMENIA TWR India** - Yerevan, 1328-1350 Jan 28, listed Maithili language religious program, station ID before opening listed Awadhi language program. Poor. (D'Angelo-PA/FCDX)

9940 **SWAZILAND TWR Africa**, Manzini, 01/11, 1907. Lingala (listed). Talk by male voice and then a hymn sung to accompanying piano. More talk followed and then another Christian song with piano. 45333. (Roe-UK)

9940 **SWAZILAND (ESWATINI) Trans World Radio** – Mpangelo Ranch, 1933-2005\* Jan 28, man announcer with religious talk in Lingala language followed by ID and usual IS at 1935... Fair. (D'Angelo-PA/FCDX)

9940 **THAILAND Radio Thailand** - Udorn, \*1228-1300\* Jan 28, open carrier until bells opening English news with national news and usual ads. Good signal. (D'Angelo-PA/FCDX)

9975 **PALAU NIPPON nokaze/ilbonue baram** 3/5 at 1500. Monologues with W, M, in Korean. Noted // 9800 (via Taiwan - Very Good). Before close on the half, W in Korean over soft music. Barton-AZ

11530 **MOLDOVA Denge Welat**, Grigoriopol, 01/15, 1340. Kurdish. Non-stop Kurdish music. 55444. (Roe-UK)

11600 **BULGARIA the Mighty KBC**, Kostinbrod, 01/12, 1300. English. The Giant Jukebox, starting with music from The Blue Stars and Pink Floyd ("See Emily Play"). 55555. (Roe-UK)

11610 **GUAM AWR / KSDA** 2/20, at 2230, with monologue by man in (listed as) Vietnamese - Fair Feb 20 Barton-AZ

11610 **MADAGASCAR WORLD Christian Broadcasting** 3/5 at 2100, opening with man in Chinese dialect, web address, pop alternative rock song. Barton-AZ

11610 **MADAGASCAR WORLD Christian Broadcasting** (KNLS) 3/6 at 2100, opening w/ M in Chinese, alternative rock song, monologues in Chinese dialect. Barton-AZ

11660 **ASCENSION BBC WS** 2/18 at 2150. W with current events magazine pgm. Barton-AZ

11725 **NEW ZEALAND RNZI** at 1908 UTC February 9 with weather for the country followed by Sunday Morning Insight. Tropical Cyclone report at 1958 UTC followed by news at 2000 UTC. Very Good (Delmage, AB)

11730 **TURKEY Voice of Turkey** at 1750 UTC in English with commentary about the Indian/Pakistan tensions. Music through top of the hour including such Turkish hits as "Yeminim Olson" and "Benim Ol" Abrupt off at 1825 UTC. Fair (Delmage, AB)

11730 **TURKEY Voice of Turkey** at 1740 UTC February 22 in English with very nice Turkish music followed by commentary. Good (Delmage, AB)

11730 **GERMANY AWR**, March 14 at 1425, upbeat pop music or praise? S3-S4, 1430 AWR English ID and fading next language? Listed Mandarin, 250 kW, 75 degrees from Nauen. Actually the entire hour is supposed to be (Hauser, OK)

11735 **ZANZIBAR ZBC** at 1805 UTC February 7 in English with news. ID at 1811:45 then into Swahili with talk and music. Poor (Delmage, AB)

11750 **SRI LANKA SLBC City FM**, Trincomalee, 01/26, 1630. Sinhalese. Transmitter on at 1630 with SLBC web address and Sinhalese music. 15331. (Roe-UK)

11750 **SRI LANKA SLBC** at 1705 UTC February 22 in (pres) Sinhala with talk and music. Poor (Delmage, AB)

11760 **CUBA Radio Habana Cuba** in SS. SIO 555, February 10, 2019, 0002 – 0007. Excellent signal. MX program with high energy Latin MX. OM vocalists. (Henley, WA)

11780 **BRAZIL Radio Nacional da Amazonia** in PP. SIO 555, February 9, 2019, 2356 – February 10, 2019, 0001. MX, with OM vocalists. Excellent signal from this 250KW transmitter located in Brasilia. Domestic broadcast. ID in PP, OM announcer, great MX. (Henley, WA)

11780 **BRAZIL China Radio Int'l**, March 13 at 0137, RNA mentioning stations relaying this program in Pernambuco, TC for 22:38. S9/S9+20 good and hardly anything else on 25m except stronger RHC on 11840, 11760, 11700, 11670. Meanwhile, RNA is not on 6180, leaving it clear for CRI English via Cuba (Hauser, OK)

11840 **CUBA Radio Habana CUBA** in SS. SIO 454, February 9, 2019, 2353 – 2356. OM and YL announcers with talk, ID, and news clips. (Henley, WA)

11850 **BOTSWANA Voice of America** on 3/5, at 2040, M in (listed as) Hausa. Sounded like news magazine, closed at 2058. 44444 Barton-AZ

11855 **BRAZIL Radio Aparecida** in Portuguese at 2346 UTC February 7 with talk by man and music by Padre Marcelo Rossi. Good (Delmage, AB)

11855 **BRAZIL Rádio Aparecida** - Aparecida, 2311-2335 Jan 28, woman announcer hosting discussion with two men in the Portuguese language. Fair signal. //6135.1, noted around 0200 on Jan 29, was also fair. (D'Angelo-PA/FCDX)

11910 **JAPAN NHK Radio Japan** in JJ. SIO 444, February 9, 2019, 2340 – 2352. MX with heavy QRN. MX is listenable, speech less so. (Henley, WA)

11910 **JAPAN Radio Japan / NHK World** 2/17 at 2300, w/ man and woman in Japanese dialogue. Barton-AZ

11945 **AUSTRALIA *Reach Beyond*** - Kununurra, 1257-1300\* Jan 29, English language talk by an Australian accented man announcer, mixing with Romania's interval signal as I tuned in. (D'Angelo-PA/FCDX)

11945 **PHILIPPINES *Voice of America*** - Tinang, 0010-0023 Jan 28, Chances language program with talks and music segments. Fair signal. (D'Angelo-PA/FCDX)

11965 **MADAGASCAR RADIO *Feda via World Christian Broadcasting***, 2/17 at 1900 hours w/man in Arabic, interesting Middle Eastern music, then dialogue with man and woman in Arabic... Barton-AZ

12035 **TURKEY *Voice of Turkey***, March 11 at 1423, it's a skewed-frequency day for VOT English, VP; 1424 can barely perceive the IS (Hauser, OK)

12040 **GUAM *AWR / KSDA*** 2/20 at 2215 with m in listed as Sudanese. Regional music, ID coming at the bottom of the hour, announced going to Javanese language at the at time - Very Good Barton-AZ

12040 **GUAM *KSDA***, March 16 at 2259, as I am surveying RHC and Spain on 25m, just as I tune in, I hear what sounds like the last note of RHC IS and cut off the air. But I can't figure a formula to explain as a mixing product. O, it's really KSDA ending its 2230 Javanese service, regularly well audible here (Hauser, OK)

12040 **GUAM *KSDA/AWR*** 2/14 2210. Sounded like child in accented English, religious messages and music. Closing remarks at BoH, announcer says following program "is in Javanese". Nearly at "armchair" level - 44444 Barton-AZ

12050 **UNITED STATES. *WEWN*** - EWTN Catholic Radio in SS. SIO 343, February 6, 2019, 1648 - 1653. MX plus OMs in discussion followed by more Latin MX. Steep QSB. Listed target is South America. (Henley, WA)

12050 **CLANDESTINE *Radio Ndrason Int'l*** - Ascension Islands, 1940-2012 Jan 28, woman and man announcers with talk in Kanuri language. Some brief instrumental music segments between features. Station ID and news at 2000. Fair. (D'Angelo-PA/FCDX)

12055 **PHILIPPINES *FEBC*** in Palaung. SIO 333, February 9, 2019, 2333 - 2337. FEBC in Palaung, with MX, group singing and an OM announcer or leader. Noisy and poor listening. (Henley, WA)

12160 **UNITED STATES *WWCR*** 2 in EE. SIO 555, February 5, 2019, 1620 - 1628. Beth Ann host. Discussion of abortion after successful birth. CSC Talk Radio. Discussion of Eugenics and Margaret Sanger, founder of Planned Parenthood, the USA's primary abortion mill. (Henley, WA)

12160 **UNITED STATES. *WWCR*** 2 in EE from Nashville, TN. SIO 555, February 6, 2019, and 1653 - 1704. Conservative Talk Radio. Discussion of the State of the Union speech, talk of gold and silver investments, YL anchor and interviewees... (Henley, WA)

13630 **MALI *China Radio Int'l*** (via Bamako relay) 3/8 at 2120, w/ a monologue with woman in English, sort of sounded like a VOA broadcast at tune in. Sudden close at 2130 - Fair/Good Barton-AZ

13650 **JAPAN *NHK Radio Japan*** in Vietnamese. SIO 555, February 9, 2019, 2323 – 2328. Some QRM from China (CRI) on the same frequency. High energy MX, talk. (Henley, WA)

13710 **MADAGASCAR RADIO *Feda*** 2/18 at 2000. M, W in Arabic, interesting Middle Eastern music. Steady with Fair signal, Barton-AZ

13820 **UNITED STATES *Radio Marti*** in SS. SIO 444, February 5, 2019, 1629 – 1635. Radio Marti targeting Cuba. Multiple OM announcers. Frequent ID. Strong and listenable. “News of the World for Cuba” Various commentators speaking and some discussion. Latin MX at 1633 with YL vocalist, followed by more Latin MX with OM vocalist. (Henley, WA)

13820 **UNITED STATES *Radio Marti*** in SS. SIO 555, February 10, 2019, 1707 – 1711. OM and YL announcers with discussion of events in Cuba and other Latin America countries, such as Mexico, Brazil, and Venezuela. Excellent signal. (Henley, WA)

13830 **VATICAN *Vatican Radio***, SM di Galeria, 01/17, 1635. English. African News Panorama and news “for young people” including talk about Panama and World Youth Day. 45333. (Roe-UK)

13845 **UNITED STATES *WWCR*** Dr. Gene Scott religious program in EE via WWCR from Nashville, TN. YL preacher with sermon about resurrection. She was speaking as if to children, not adults, basically ‘talking down” to the audience. Many quotations from the Bible. (Henley, WA)

15105 **BANGLADESH *Bangladesh Betar***, \*1228-1300\* Jan 28, IS followed by woman announcer with station ID and opening announcements for English service followed by news and commentary and then music program. Closing announcements at 1259 before pulling the plug. Poor. (D'Angelo-PA/FCDX)

15120 **CUBA *China Radio Int'l*** relay via Havana in SS. SIO 344, February 5, 2019, 0048 – 0051. YL and OM announcers with some MX. Heavy QRN. Poor listening. (Henley, WA)

15125 **CHINA *China Radio Int'l*** in EE. SIO 343, February 5, 2019, 0051 – 0055. OM and YL in talk and interviews. “Crossover” program. Chinese culture and business. Interviews with flower merchants, growers and florists. Discussion of new business models. Henley, WA)

15125 **MALI *China Radio Int'l*** at 1702 UTC March 9 in (p) Swahili. Fair. 13645 I believe to be in // but was getting clobbered by Radio Kuwait DRM hash. (Delmage, AB)

15140 **CUBA *Radio Habana Cuba*** in SS. SIO 555, February 10, 2019, 1703 – 1705. Strong signal. OM with news and talk. (Henley, WA)

15140 **OMAN Radio Sultanate Oman**, Quivican, 02/08, 1440. English/Arabic. Some nice Cuban music at the moment (initially leading me to think that it was R Habana Cuba also scheduled here at this time). At 1500 a promo in English for Muscat music festival, then into Arabic talk. 45433. (Roe-UK)

15215 **FRANCE RADIO Oomrang** at 1629 UTC February 21 in multi languages (Frisian, German and English) with conversations, A mention of Amanda in New York at 1633 UTC > Full English and German ID's at 1638:39. Off air at 1659 UTC. Very Good signal with a horrible / pulse in the background. (Delmage, AB)

15215 **FRANCE Radio Öomrang** – Issoudun, 1600-1700 Feb 21, annual transmission from this broadcaster from Amrum Island with the usual assortment of German, Frisian and English commentary. The program host seemed to be Gernot Schrader as in past years mentioning Arjan Koelzow who apparently puts together the special program. Very good signal. (D'Angelo-PA)

15215 **FRANCE Radio Oomrang** at 1629 UTC February 21 in multi languages (Frisian, German and English) with conversations, A mention of Amanda in New York at 1633 UTC > Full English and German ID's at 1638:39. Off air at 1659 UTC. Very Good signal with a horrible / pulse in the background. (Delmage, AB)

15235 **SOUTH AFRICA Channel Africa**, Meyerton, 02/04, 1700. English. Africa Digest. 35333. (Roe-UK)

15235 **SOUTH AFRICA Channel Africa**- Meyerton, 1631-1719 Jan 28, French service changing over to the English Service at 1700 with news program and news features. Fair to good signal with some fading. (D'Angelo-PA/FCDX)

15350 **SOUTH AFRICA Radio Dabanga**-Meyerton, 1537-1554\* Jan 28, Usual talks but nice series of jingle station IDs. Fair signal. (D'Angelo-PA/FCDX)

15370 **CUBA Radio Habana Cuba** in SS. SIO 333, February 9, 2019, 2316 – 2318. OM and YL announcers with ID and talk. Some MX clips. Poor listening. Henley, WA)

15370 **CUBA Radio Habana Cuba**, March 15 at 2005, RHC is S9+10 in French but JBM. // 15140 also French at S9 but merely undermodulated, i.e. better than 15370. WRTH shows 15140 French to NAM at 2100, so it has shifted an hour earlier; but 15370 French to Europe at 2030, so how did it wind up at 2000? At least, today. Something's always wrong at RHC (Hauser, OK)

15380 **CHINA CNR 1** in CC. SIO 443, February 5, 2019, 0055 – 0058. Talk in Mandarin, some pop MX, YL with strident monologue. Advertisements, more talk with mixed OM and YL announcers. Domestic programming. (Henley, WA)

15435 **PHILIPPINES FEBC** in Tai-Nua. SIO 444, February 5, 2019, 0059 – 0100. MX, off air at 0100. (Henley, WA)

15530 **KUWAIT Radio Kuwait**, Kabd, 01/29, 0645. English. News from foreign press services; later: Western pop/dance music. 45433. (Roe-UK)

15550 **CHINA CNR** 1 in CC. SIO 444, February 5, 2019, 0101 – 0104. CNR 1 in Mandarin. Mixed OM and YL announcers, MX, talk, advertisements and news clips. Domestic programming. (Henley, WA)


15560 **PHILIPPINES FEBC** in Javanese. SIO 444, February 5, 2019, 0104 – 0110. FEBC Manila in Javanese. MX and talk. Good MX. Some QRN, but easily listenable. Listed target is Indonesia. OM and YL announcers. (Henley, WA)

15585 **GUAM Adventist World Radio** in CC via KSDA. SIO 322, February 9, 2019, 2308 – 2315. Poor signal. Difficult listening with heavy QRN. OM announcer in CC. (Henley, WA)

15720 **NEW ZEALAND RNZI** in EE. SIO 432, February 9, 2019, 2303 – 2308. YL announcer with interviews. Listed target is Oceania. Heavy QRN, very poor listening. (Henley, WA)

17780 **MALI China Radio Int'l** at 1654 UTC March 9 with talk between a man and a woman in Arabic. Excellent signal // 15125 kHz at a fair level. 17780 had an abrupt off at 1655 UTC. (Delmage, AB)

17780 **ASCENSION ISLAND BBCWS** at 1700 UTC with program lineup followed by News at 1701 UTC. Fair (Delmage, AB)

17895 **BOTSWANA Voice of America**, Mopeng Hill, 01/27, 1600. English. News and Nightline Africa (with news stories from Nigeria, Cameroon, eSwatini, etc). 45433. (Roe-UK) 




by Jerry Berg

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> **Update, February 24, 2019**—Jamaica, Trinidad, Guadeloupe, Martinique, Curacao, the Windward Islands--they are just shortwave memories now. They didn't have the cachet of Indonesia, Papua New Guinea, Angola and other "prime DX targets," but the Caribbean stations were always fun. Reception was usually good, and the local English-language programming in particular gave an authentic feel for life in the islands. One place that was a little elusive was Barbados, whose "shortwave broadcasting" began as a ham project in the 1930s and grew into occasional Cable & Wireless relays of local sports matches from the 40s into the 60s. Adrian Peterson has told this story in a past edition of *Wavescan*, and we have added to it in "Barbados Shortwave Redux," which is posted under "DX History/Stations."—In "Specialized Resources" we have added two more "new-old" QSLs to our page "VOA Foreign Relays--QSLs," one QSL from Greece and one from the Philippines, both 1955.—And Adrian has favored us with three new pieces of radio history in *Wavescan* 521 (February 17, 2019): (1) "What is the Future for VOA Saipan? - 1"; (2) "Ancient DX Report: 1917, Pt. 2"; and (3) "The Radio Scene on Mount Desert Island [Maine]."

**<www.ontheshortwaves.com> Update, March 3, 2019**—Under “DX History/General Radio History,” we have posted “Trinkets-VI,” which contains the fronts and backs of various medals and similar items commemorating various radio events. They are: (1) “First Radio Broadcast” (not otherwise described); (2) “50 Years of Broadcasting” (KDKA); (3) “50th Anniversary of First Transatlantic Broadcast” (1923, KDKA to England on shortwave); (4) Centennial of Marconi’s birth (1874-1974); (5) “Birth of Modern Broadcasting” (KDKA 1920); (6) “British Broadcasting Begins” (John Reith, 1927); (7) “International Radio Week,” Jan. 24-30, 1926 (mediumwave); (8) ‘Men from Mars’ Invasion Scare” (1938); (9) “Broadcasting’s Golden Anniversary” (NAB Convention, 1970); and (10) Centennial of the birth of Alexander Popov, 1859-1959 (“Russia’s Marconi”).—And in “Specialized Resources/Wavescan,” Adrian Peterson continues his history of radio on Macau, in “The Radio Scene on the Islands of Macau-IV” (Wavescan N522, February 24, 2019).

**<www.ontheshortwaves.com> Update, March 10, 2019**—Under “DX History/Recordings,” we have posted brief off-air recordings of 11 Costa Rican shortwave stations. Alas, Costa Rica is no longer on shortwave. The last station to close down was the REE relay station in Cariari, which went dark in 2013. These recordings should bring back some memories. They were made in various years between 1975 and 1998. Index numbers [in brackets] are the ID locations. The stations: (1) R. 88 Estereo, Perez Zeledon, 6071.26 kHz, 1998 [:42]. - (2) R. Capital, San Jose, 4832 kHz, 1975 [:03]. - (3) TIQ, R. Casino, Puerto Limon, 5955 kHz, 1977 [:20]. - (4) R. Columbia, San Jose, 4825 kHz, 1983 [:14, 1:01]. - (5) R. Impacto, San Jose, 6150 kHz, 1983 [English :57]. - (6) R. Nacional de Costa Rica, San Jose, 6035 kHz, 1981 [:32]. - (7) R. Noticias del Continente, San Jose, 9615 kHz, 1979 [:42, 1:31, 2:04]. - (8) R. Nueva Victoria, San Francisco de Heredia, 6083 kHz, 1979 [:42, 1:11]. - (9) R. Reloj, San Jose, 6006 kHz, 1978 [:12]. - (10) R. Rumbo, Cartago, 6077 kHz, 1980 [:21, :41, 1:59]. - (11) TIAWR-R. Lira International, Alajuela, 9725 kHz, 1990 [Spanish :10, English :54].—Under “Specialized Resources/Wavescan,” we present a story that was originally voiced in two parts in Wavescan: “Radio Australia Pennant Hills-Transmitter Usage-The Full Story” (Wavescans 515 & 517, January 6 and 20, 2019), PDF format. -- And on our “DXing Indonesia” page, under “Specialized Resources,” we have added a recording of “Love Ambon,” the song with which many RRI stations signed off.

**<www.ontheshortwaves.com> Update, March 17, 2019**—On our HCJB tribute page (look for “HCJB, Quito, Ecuador” under “DX History/Stations”), we have added a new item under “HCJB Literature”: a folder, issued in 1945 or soon thereafter, called “The Air--New Missionary Frontier.” It contains highlights of HCJB history, plus some programming and organizational information, and a few photos. HCJB was founded in 1931, and in 1945 its strongest transmitter was 10 kw.

**<www.ontheshortwaves.com> Update, March 24, 2019**—Under “DX History/QSLs & Other Station Memorabilia” we have posted an interesting letter QSL from, and some Radio News DX items about, KU5Q, a widely-heard military shortwave station on Guam that carried some broadcast-style programming during the postwar years.—And under “Specialized Resources/Wavescan,” there are three new Wavescan stories: (1) “What is the Future for VOA-Saipan? A Shortwave Station With Four or Five Callsigns” (Wavescan N523, March 3, 2019); (2) “Railway Radio in Canada: The Phantom Radio Era-2” (Wavescan N524, March 10, 2019); and (3) “The Radio Scene on Disputed Diego Garcia” (Wavescan N525, March 17, 2019). 

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