# 書**N4学** Journal

**VOLUME LVII NUMBER 6** 

**JUNE 2017** 



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Get a FREE Eton Mini with your purchase of an Eton Satellit, Field or Satellit 750 from Universal Radio! The Fton Mini receives AM. FM plus shortwave from 5.6-10 and 11.65-18 MHz. Include: rich grange digital display scanging, metal grill clock-alarm, key lock and earphone tack. Requires two AAA s (not included). With carry pouch. Only 4.3' x 2.7" x 0.47", #0184 A 145.00 value!



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### Coming early 2017!

IC-R8600



The Icom IC-R8600 wideband communications receiver raises the bar on sophisticated radio monitoring. This ground breaking receiver made its world debut at the JARL Tokyo Ham Fair on August 19, 2016. The IC-RB600 covers 0.01-3000 MHz (less cellular) in analog and decodes multiple digital protocols, including D-STAR™, NXDN™, dPMR™ and APCO P25. It has a large 4.3 inch culor TFT touch screen display with fast spectrum scope and waterfall display. The advanced circuit employs modern FPGA/DSP base architecture with traditional superheterodyne circuitry. Optional RS-R8600 PC remote control software allows control of all receiver functions. There is a convenient SD card slot for received log, decode log and voice recording. The roar panel features: 10.7 MHz IF Output, LAN Port, Mute Line, Reference I/O, I/Q output, External speaker jack, AF/IF output, CI-V remote terminal, USB port, DC power Input jack, S meter output jack, Aux., 3 antenna jacks (N/ SO239/RCA) and ground terminal. The I/Q signal output supports use with third-party SDR software and/or external decoding

An optional Icom SP-39AD (42039) external speaker with integrated power supply will be available. The IC-R8600 will be available in both consumer (#0086) and government (#0586) versions.

Full features, specifications, pricing and aveilability were not at nonunced by from as of press time.
Please check stews, universal-rediction for the latest undates on this explaint new receiver. This new model is expected early 2017.

his device has not been approved by the F.C.C. This device may not be offered for sale or lease or be sold or leased untriapproval of the F.C.C.

erances at non-shots and appointations may be subject to energy without notice from soom by, and the zon-legic are from horopseated (Japan) or Japan envision after countries MXTN to a Indometric of home throughout and JMC RT AWX XT he dMMA tage are trademarks of the dMMA State) Association.

#### 2017 WORLD RADIO TV HANDROOK

This long established publication is filled with schedules, frequenclos and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a bu-frequency listing of shortwave broadcast sta-



tions radio club rato plus receiver reviews WRTHPub. ©2016715\* Edition. 672 p. List price 40 95 Available 12/20/16

Order #6017 ...

144 05

#### WORLDWIDE LISTENING CHICE

By J. Figliozzi. Modeled on the author's popular Worldwide Shortwave Lietonian Quide this new book covers all of today's formats: live on-demand. podcast, satellite.



Internet, digital, analog, AM, FM, shortways and wi-fl. Learn what can be heard how, where and when! Spiral bound 7th Ed. 160 p. @2015.

Order #2861 ..... 123 95

#### PIRATE RADIO ANNUAL 2015-16

By A. Yoder, Pirate radio is alive, well and offers a tremendous range of programming. The author introduces the topic, provides insights on tuning and QSI, ing pirates and provides an extension roview of pirate activity for the previous year, cov-



ering domestic and international pirate stations heard in N. America, Includes an amazing audio CD of 92 pirate stations! @2016 Cabinet 230 p. Order #6555

#### SHORTWAVE RECEIVERS PAST & PRESENT

1942-2013 By F. Osterman. A comprehensive guide to over 1200 shortwave, amateur commercial communications receivers (plus 1200 variants) made in the last 70 years. With



1800 photos and information including: coverage, circuit, display, features, performance, new & used values (for most), reviews, etc. Over 360 manufacturers are represented Become an instant receiver expert. Hard bound Fourth Ed. Second Printing. @2014 URR. 600 p.

Order #0004 ..... 149 95



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### N424 Notes

Richard A. D'Angelo • 2216 Burkey Drive • Wyomissing, PA 19610 • rdangelo3@aol.com

This month's cover, prepared by John Herkimer, features Radio Nacional Arcangel San Gabriel (LRA 36) from Antarctica which is still active today on 15,476 kHz. The mosaic of Radio Nacional QSLs, stickers and photographs help recall the good old days when exotic stations such as this one were quite common on the shortwave bands. They still broadcast using shortwave and are periodically reported form time-to-time.

Member Gayle Van Horn W4GVH, CEO/Vice President Teak Publishing, informs us about her latest publication - International Shortwave Broadcast Guide (ISWBG) Summer 2017. This all important semi-annual information resource is your electronic quide to the world of shortwave radio listening. The release of this book is very timely for international radio monitors given the recent outbreak of tensions in the world hotspots of Eastern Europe, Middle East, East Asia and the Korean Peninsula. As members know, listeners who live in the United States can easily hear shortwave broadcast stations from Canada, China, Cuba, Egypt, France, Germany, India, Iran, Japan, New Zealand, North/South Korea, Saudi Arabia, Taiwan, Turkey, United Kingdom, United States, Vietnam, and many other counties if you have an inexpensive shortwave radio receiver. The ISWBG is our exclusive 24-hour station/frequency quide to "all" of the known longwave, selected mediumwave and shortwave radio stations currently broadcasting at time of publication. This unique radio hobby resource is the "only" radio hobby publication that has by-hour station schedules that include all language services, frequencies and world target areas. New in this eighth edition of the ISWBG is a Surfing the Shortwave Radio Bands without a Radio by Larry Van Horn; Summertime Listening on Shortwave, by shortwave program specialist Fred Waterer; and a feature very timely feature - When News Breaks: Getting Your News from the Front Lines through streaming media by Loyd Van Horn. The International Shortwave Broadcast Guide (Summer 2017 edition) is now available for purchase worldwide from Amazon.com at https://www.amazon.com/ dp/B071VMYYMH/. The price for this latest edition is still US\$7.99. Since this book is being released internationally, Amazon customers in the United Kingdom, Germany, France Spain, Italy, Japan, India, Canada, Brazil, Mexico and Australia can order this electronic book (e-Book) from Amazon websites directly servicing these countries. All other countries can use the regular Amazon. com website. The International Shortwave Broadcast Guide will have wide appeal to shortwave radio hobbyists, amateur radio operators, educators, foreign language students, news agencies, news buffs, or anyone interested in listening to a global view of news and major events as they happen.

Sean Gilbert recently announced that the World Radio Television Handbook (WRTH) has now released the A17 International broadcasting schedules file. The PDF file is 75 pages long and contains the broadcast schedules of nearly 200 International and Clandestine/Target broadcasters; Selected language broadcasts; International DRM broadcasts: International MW and SW frequency listing and an International transmitter site table. The file is free to download and can be used as a standalone item, but it is best utilized in conjunction with the printed WRTH.... Go to http://www.wrth. com and follow the links for the A17 pdf download.

### Unity and Friendship

Don't forget to pick up the free download of the 19th edition of *Domestic Band Survey* (DBS) edited by **Anker Petersen** which is now available for downloading at www. dswci.org. This year became the first year that the DBS is offered free of charge to all those shortwave radio listeners interested in the tropical bands and domestic stations. The cover features a Tahitian dance to Bora Bora drums at Polynesian Cultural Center in Hawaii captured by Anker during his travels. The monthly Tropical Bands Monitors can also be found here, free of charge! This is an excellent resource and the price can't be beat!

There is still time to send A.J. Janitschek, Director - Program & Operations Support for Radio Free Asia (RFA) a report to receive RFA's fourth QSL card in the series highlighting the International Broadcasting Bureau (IBB) transmitter sites used for RFA programming. RFA programs also broadcasts from these IBB sites: Biblis, Lampertheim, Saipan and Tinian. IBB Kuwait is one of the most cost-effective transmitter site's in IBB's inventory and is also an integral part of IBB's global satellite interconnect system carrying RFA programming where needed. This is RFA's 64th QSL overall and will be used to confirm all valid RFA reception

reports from May 1 - August 31, 2017. RFA encourages listeners to submit reception reports. Reception reports are valuable as they help RFA 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 and by mail to: Reception Reports, Radio Free Asia, 2025 M. Street NW, Suite 300, Washington DC 20036.

As we move into the slower summer months, please remember to continue to support your club with loggings (Log Report and/or Flashsheet), QSL news and information (QSL Report), station schedules (Listeners Notebook), articles (Shortwave Center), information about programs (Easy Listening) or general radio related commentary (Musings). No contribution is too small so please become a regular supporter of the club's columns. Thanks!

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

# Musings

Jerry Lineback • 3581 Sunview Dr. • Paradise, CA 95969-8106 • jalinebk@gmail.com

Please e-mail musings as MS Word attachments to jalinebk@gmail.com or mail to 3581 Sunview Dr., Paradise, CA 95969-8106. Next deadline is June 21, 2017.

### John Miller, WDX4K2B, 4857 McMillan, Ochlocknee, GA 31773

I just joined the club and I have a question about shortwave antennas. Have you heard of The Vertical Joystick? I saw something in an old Popular Communications magazine about it. It's a PVC pipe with wire wrapped and then taped about an inch apart, then placed in the ground. Leads from window to the ground. I don't know if in grass is better than above ground. Any clues?

Thanks, John

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

# **Listening Review**

Alan Roe • 33 Atbara Road • Teddington, TW11 9PA, United Kingdom • alan-roe-swl@mail.com

Hello and welcome to Listening Review for June. This month, as this time last year, I have a selection of music programs broadcast in non-English language transmissions on shortwave. Here we go ....

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<b>0000</b> -005		R Romania Int	RO	As We Like! (part 2) (Club/party) 7335 9790
0000-0056		R Romania Int	RO	Zi-le D-Alead-Ale Noastre (Folk mx) 7335 9790
0000-0100	,	R Farda	FS	ME mx (some West mx & talk) 5860-bib
0000-0100	,		GM	Mostly oldies 3985-kll
0000-0100		R Rebelde	SP	Often has Cuban music 5025 su: Música Viva
0000-0100		ERT V of Greece	GK	Often varied Greek mx 9420 +/or 9935
0000-0100	,	,	TU	Often has Turkish music 9735
0025-0035		R Taiwan Int	SP	Appointment with Paty 11530-rmi
0025-0100	daily	AIR Vividh Bh.	HI	Mostly film music 9865
<b>0100</b> -015	5 sa	R Romania Int	RO	Verba Manent (Archive recordings) 7335 9790
0100-0156	su	R Romania Int	RO	Radio Concert Season (Classical) 7335 9790
0100-0156	daily	VofTurkey (TSR)	TU	Often has Turkish music 9735
0100-0200	daily	R Farda	FS	ME mx (some West mx & talk) 5860-bib
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0145-0157	th	KBS World R	SP	Al Son de Corea (Traditional) 9605-hri 11810
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            daily
                    Denge Kurdistan VV
                                           Mostly Kurdish mx (some talk) 11600-iss
            dly(irr) ERT V of Greece
0400-0500
                                     GK
                                           Often varied Greek mx 9420 +/or 9935
0400-0500
            daily
                    VofTurkey (TSR)
                                     TII
                                           Often has Turkish music 6040 11980
0430-0500
            tu
                    WRMI
                                     SP
                                           Trova Libre 5985
0430-0558
            daily
                    Medi 1
                                     AA
                                           Musique Soufie 9575
0500-0530 daily
                    Shortwave Srvc
                                     GM
                                           Mostly oldies 3985-kll
0500-0556
            daily
                    VofTurkey (TSR)
                                     TU
                                           Often has Turkish music 6040 11980
0500-0600
            daily
                    R Farda
                                           ME mx (some West mx & talk) 5860-kwt 15690-udo(-
                                            0530) 15690-bib(0530-)
0500-0600
            daily
                    R Rebelde
                                           Often has Cuban music 5025 mo-sa: Nosotros (trad
                                     SP
                                           Cuban mx) su: Todo Müsica
0500-0600
            daily
                    Denge Kurdistan VV
                                           Mostly Kurdish mx (some talk) 11600-arm
            dly(irr) ERT V of Greece
0500-0600
                                           Often varied Greek mx 9420 +/or 9935 +/or 11645
0530-0600
                    OE1 Austria
            varies
                                     GM
                                           Usually Classical music 6155
                    R Gloria Int
0600-0700
            su
                                     GM
                                           Mostly oldies (4th su) 9485-goh
0600-0700
            daily
                    R Farda
                                     FS
                                           ME mx (some West mx & talk) 5860-kwt(-0630) 11925-
                                           bib(0630-) 15690-bib
            daily
0600-0700
                    R Rebelde
                                     SP
                                           Often has Cuban music 5025 su: Todo Můsica
0600-0700
            daily
                    Denge Kurdistan VV
                                           Mostly Kurdish mx (some talk) 11600-arm
0600-0700
            dly(irr) ERT V of Greece
                                           Often varied Greek mx 9420 +/or 9935 +/or 11645
                                     GK
0600-0700
            daily
                    VofTurkey (TSR)
                                     TU
                                           Often has Turkish music 11750 11955 13635
0610-0630
                    China R Int
            su
                                     IT
                                           Music from China 17520-kas
0700-0800
                    R Gloria Int
            su
                                     GM
                                           Mostly oldies (4th su) 7265-goh
0700-0800
            mo
                    R Marti
                                     SP
                                           Archivo Musical 5980
0700-0800
            fr
                    R Mi Amigo Int
                                     GM
                                           Norbert Hesse: Oldiethek 6085-kll
0700-0800
            sa
                    Hamburger Lkl R GM
                                           Mostly oldies 6190-goh
0700-0800
            sa
                    R Mi Amigo Int
                                     GM
                                           Uwe Bastian: Guten Morgen Eur.! 6085-kll
0700-0800
            daily
                    R Farda
                                     FS
                                           ME mx (some West mx & talk) 11925-bib 15690-bib
0700-0800
            daily
                    Denge Kurdistan VV
                                           Mostly Kurdish mx (some talk) 11600-arm
0700-0800
            dly(irr) ERT V of Greece
                                     GK
                                           Often varied Greek mx 9420 +/or 9935 +/or 11645
0700-0800
            daily
                    VofTurkey (TSR)
                                     TU
                                           Often has Turkish music 11750 11955 13635
0710-0757
            su
                    KBS World R
                                     KO
                                           Music Landscape 9860-wof
0800-0900
            $11
                    R Gloria Int
                                           Mostly oldies (4th su) 9485-goh
                                     GM
0800-0900
            fr
                    R Mi Amigo Int
                                     DU
                                           Colin Peters: Music Memories 6085-kll
0800-0900
                    Hamburger Lkl R GM
                                           Mostly oldies 6190-goh
0800-0900
            daily
                    R Farda
                                     FS
                                           ME mx (some West mx & talk) 11925-bib 15690-bib
0800-0900
            daily
                    Denge Kurdistan VV
                                           Mostly Kurdish mx (some talk) 11600-arm
0800-0900
            dly(irr) ERT V of Greece GK
                                           Often varied Greek mx 9420 +/or 9935 +/or 11645
0800-0900
            daily
                    VofTurkey (TSR) TU
                                           Often has Turkish music 11750(-0856) 11955 13635
0900-1000
            su
                    R Mi Amigo Int
                                     DU
                                           Colin Peters: Europe Hot Hits 6085-kll
0900-1000
            su
                    Hamburger Lkl R GM
                                           Mostly oldies 9485-goh
0900-1000
            $11
                    R Gloria Int
                                     GM
                                           Mostly oldies (4th su) 7310-kll
0900-1000
            sa
                    Hamburger Lkl R GM
                                           Mostly oldies 6190-goh
0900-1000
            daily
                    R Farda
                                     FS
                                           ME mx (some West mx & talk) 11925-bib(-0930) 11925-
                                           lam(0930-) 15690-bib 17690-bib(0930-)
0900-1000
            daily
                    AIR Vividh Bh.
                                     HI
                                           Mostly film music 6100 9380 9865
0900-1000
            daily
                    Denge Kurdistan VV
                                           Mostly Kurdish mx (some talk) 11600-arm
0900-1000
            daily
                    VofTurkey (TSR) TU
                                           Often has Turkish music 11955 13635
0910-0957
                    KBS World R
            su
                                     K0
                                           Music Landscape 7275 9570 15160
1000-1100
                    R Mi Amigo Int
            SII
                                     DII
                                           Peter van Dam: Manneke Pop 6085-kll 7310-kll
1000-1100
           su
                    R Joystick
                                    GM
                                           Varied oldies/modern pop (1st su) 7330-mos
1000-1100
                    R Rebelde
                                     SP
                                           Memorias (Cuban music history) 5025
1000-1100
                   Hamburger Lkl R GM
                                           Mostly oldies 7265-goh
1000-1100
                   R Marti
                                    SP
                                           Alborada Guajira (includes music) 6030-grv 9805-grv
           sa,su
```

4000 4400	A = 21	D. F 4 -	EC.	ME ( W+ 9 t-ll-) 11005 l 15000 bib
1000-1100	daily	R Farda	FS	ME mx (some West mx & talk) 11925-lam 15690-bib 17690-bib
1000-1100	daily	AIR Vividh Bh.	HI	Mostly film music 6100 9380 9865
1000-1100	daily	Denge Kurdistan	٧V	Mostly Kurdish mx (some talk) 11600-arm
1000-1100	daily	VofTurkey (TSR)	TU	Often has Turkish music 11955 13635
1005-1025	we	KBS World R	K0	Sounds of Korea 7275 9570 15160
<b>1100</b> -1130	fr	WRMI	SP	Trova Libre 9955
1100-1200	su	Hamburger Lkl R	SP	Radio Tropical/Quadriga 9485-goh
1100-1200	su	R Rebelde	SP	Memorias (Cuban music history) 5025
1100-1200	daily	R Farda	FS	ME mx (some West mx & talk) 12005-lam 15690-bib 17690-bib
1100-1200	daily	AIR Vividh Bh.	ні	Mostly film music 6100 9380 9865
1100-1200	daily	Denge Kurdistan		Mostly Kurdish mx (some talk) 11600-arm
	daily	VofTurkey (TSR)	TU	Often has Turkish music 11955(-1156) 13635
1100-1200		KBS World R	SP	Melodías de Corea 11795
1110-1157	su			Al Son de Corea (Traditional) 11795
1145-1157	we	KBS World R	SP	, ,
<b>1200</b> -1256	sa	R Romania Int	RO	Verba Manent (Archive recordings) 7375
1200-1256	daily	VofTurkey (TSR)		Often has Turkish music 13635
1200-1300	su	R Rebelde	SP	Memorias (Cuban music history) 5025
1200-1300	daily	R Farda	FS	ME mx (some West mx & talk) 7435-kwt 12005-lam
				15690-bib 17690-bib
1200-1300	daily	Denge Kurdistan		Mostly Kurdish mx (some talk) 11600-arm
1210-1257	su	KBS World R	K0	Music Landscape 7275
1215-1230	daily	China R Int	Srb	Varied Western/CC pop/rock 7345-cer
1230-1300	daily	CNR13	VV	Pops with ann in Uygur 9420
1233-1300	sa	RFranceInt-World		L'epopee des musiques noires 3965(drm)
1245-1300	daily	AIR Vividh Bh.	HI	Mostly film music 9865
<b>1300</b> -1400	sa	R Romania Int	RO	Verba Manent (Archive recordings) 11950 15130
1300-1400	sa	Hamburger Lkl F	R SP	Radio Tropical/Quadriga 7265-goh
1300-1400	daily	R Farda	FS	ME mx (some West mx & talk) 7435-kwt 12005-wof
				15690-bib 17690-bib
1300-1400	daily	AIR Vividh Bh.	HI	Mostly film music 9865
1300-1400	daily	Denge Kurdistan		Mostly Kurdish mx (some talk) 11600-arm
1300-1400	daily	VofTurkey (TSR)		Often has Turkish music 9840
1330-1400	su	Medi 1	FR	Entr'acte (Jawad) 9575
<b>1400</b> -1500	fr	R Mi Amigo Int	DU	Colin Peters: Music Memories 6085-kll
1400-1500	sa	R Mi Amigo Int	DU	Colin Peters: Europe Hot Hits 6085-kll
1400-1500	daily	R Farda	FS	ME mx (some West mx & talk) 12005-wof 15690-bib 17690-bib
1400-1500	daily	AIR Vividh Bh.	ΗI	Mostly film music 9865
1400-1500	daily	Denge Kurdistar		Mostly Kurdish mx (some talk) 11600-sof
1400-1500	daily	VofTurkey (TSR)	TU	Often has Turkish music 9840
1405-1458	fr	Medi 1	FR	Generation Hashtag (Talk & Mx) 9575
1405-1500	daily	<b>HCJB</b> Deutsche	GM	Ichtys R Live 3995-wnm 5920-wnm 7365-wnm
1410-1457	su	KBS World R	K0	Music Landscape 15575
1433-1500	su	RFranceInt-Worl	d FR	L'epopee des musiques noires 3965(drm)
<u>1500</u> -1556	daily	VofTurkey (TSR)	TU	Often has Turkish music 9840
1500-1600	daily	R Farda	FS	ME mx (some West mx & talk) 5860-kwt 12005-wof 15690-bib 17690-bib(-1530)
1500-1600	daily	AIR Vividh Bh.	HI	Mostly film music 9865
1500-1600	daily	Denge Kurdista	n VV	Mostly Kurdish mx (some talk) 11600-sof
1500-1600	daily	Zanzibar B. Co	VV	Usually African/local music 11735
1530-1600	su	R Havana Cuba	SP	Music programme 11760
<b>1600</b> -1700	daily	R Farda	FS	ME mx (some West mx & talk) 5860-kwt 12005-wof
1600-1700	daily	AIR Vividh Bh.	HI	Mostly film music 9865
	,			

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1600-1700
            daily
                    Denge Kurdistan VV
                                           Mostly Kurdish mx (some talk) 11600-iss
1600-1700
            daily
                    VofTurkey (TSR) TU
                                           Often has Turkish music 5960 9460
1600-1700
            daily
                    Zanzibar B. Co
                                     VV
                                           Usually African/local music 11735
1610-1657
                    KBS World R
            sa
                                     K0
                                           Music Landscape 7275 9740
1610-1700
            mo-fr
                    R France Int - Af FR
                                           Couleurs Tropicales 21690
1630-1700
            daily
                    SLBC
                                     SI
                                           Mostly Sri Lankan mx 11750
1700-1740
            daily
                    AIR Vividh Bh.
                                     ΗI
                                           Mostly film music 9865
1700-1756
            su
                    R Romania Int
                                     RO
                                           Music 100% (part 2) 9500 11975
1700-1800
            daily
                    R Farda
                                     FS
                                           ME mx (some West mx & talk) 5860-kwt 12005-wof
1700-1800
            daily
                    Denge Kurdistan VV
                                           Mostly Kurdish mx (some talk) 11600-iss
1700-1800
            daily
                    SLBC
                                     SI
                                           Mostly Sri Lankan mx 11750
1700-1800
            daily
                    VofTurkey (TSR)
                                     TU
                                           Often has Turkish music 5960 9460
1700-1800
            daily
                    Zanzibar B. Co
                                     VV
                                           Usually African/local music 11735
1705-1725
            tu
                    KBS World R
                                     K0
                                           Sounds of Korea 7275 9740
1705-1756
            sa
                    R Romania Int
                                     RO
                                           As We Like! (part1) (Club/party) 9500 11975
1707-1757
            su-fr
                    NHK R Japan
                                           EE/FF/JJ 'evergreens' 11945-iss 13720 15445-nau
                                     JJ
1710-1757
                    KBS World R
                                           Music Landscape 9515
            sa
                                     K0
1733-1800
            su
                    R France Int - Af FR
                                           L'epopee des musiques noires 13740 15300 17620 17850 21580
                    SLBC
1800-1830
            daily
                                     SI
                                           Mostly Sri Lankan mx 11750
1800-1856
            su
                    R Romania Int
                                     RO
                                           Zi-le D-Alead-Ale Noastre (Folk mx) 9500 11975
1800-1856
            sa
                    R Romania Int
                                     RO
                                           As We Like! (part 2) (Club/party) 9500 11975
1800-1900
            daily
                    R Farda
                                     FS
                                           ME mx (some West mx & talk) 5860-kwt
1800-1900
            daily
                    Denge Kurdistan VV
                                           Mostly Kurdish mx (some talk) 11600-iss
1800-1900
            dly(irr) ERT V of Greece
                                     GK
                                           Often varied Greek mx 9420 +/or 9935
1800-1900
            daily
                    VofTurkey (TSR)
                                     TU
                                           Often has Turkish music 5960 9460
1800-1900
            daily
                    Zanzibar B. Co
                                     VV
                                           Usually African/local music 11735
1805-1825
            tu
                    KBS World R
                                     K<sub>0</sub>
                                           Sounds of Korea 9515
1807-1857
            su-fr
                    NHK R Japan
                                     JJ
                                           EE/FF/JJ 'evergreens' 11945-iss 13720 15445-nau
1810-1830
                    China R Int
            su
                                     IT
                                           Music from China 7435-jin 7340-kas
1810-1857
                    KBS World R
            su
                                            Melodías de Corea 9740
1830-1900
                    V of America
                                     Amharic Chart hits & 'evergreens' 11720-lam 12110-kwt 12130-
                                            udo 12140-udo 13860-wof 15180-udo 15630-wof 15700-
                                            lam 15785-wof
1845-1857
                    KBS World R
            we
                                     SP
                                            Al Son de Corea (Traditional) 9740
1900-1930
            su
                    V of America
                                     FR
                                            Soul USA (pt1) 9490-kwt 17530-kwt
1900-2000
                    R Farda
            daily
                                     FS
                                            ME mx (some West mx & talk) 5860-kwt
            daily
1900-2000
                    Denge Kurdistan VV
                                           Mostly Kurdish mx (some talk) 11600-iss(-1930) 11600-
                                            arm(1930-)
            dly(irr) ERT V of Greece
1900-2000
                                     GK
                                            Often varied Greek mx 9420 +/or 9935
1900-2000
            daily
                    VofTurkey (TSR)
                                     TU
                                            Often has Turkish music 5960 9460
1900-2000
            daily
                    Zanzibar B. Co
                                     vv
                                            Usually African/local music 11735
1910-1957
                    KBS World R
                                     FR
                                            Musique coréenne 6145-wof
1910-2000
                    R France Int - Af FR
            sa,su
                                            Musiques du monde 9790 11995 13740 15300 17850 21580
1910-2000
            sa,su
                    RFranceInt-World FR
                                            Musiques du monde 3965(drm)
1910-2000
            mo-fr
                    RFranceInt-World FR
                                            La bande passante 3965(drm)
            th
                    R Romania Int
                                     SP
1920-1930
                                            Music Programme 11850 13810
1930-1940
            tu
                    R Romania Int
                                     SP
                                            Folk Music Programme 11850 13810
1930-1940
            fr
                    R Romania Int
                                     SP
                                            Romanian Folk Music 11850 13810
1930-1940
                    R Romania Int
                                     SP
                                            Top Musical (pop) 11850 13810
                    R Taiwan Int
                                     GM
                                            Musik aus Taiwan 6185-wof
1930-1957
            su
1935-1957
                    R Taiwan Int
                                     FR
                                            Partitions Orientales 3955-wof
            SH
1935-2000
                    V of America
                                     FR
                                            Soul USA (pt2) 9490-kwt 17530-grv
            $11
1940-1957
                    R Taiwan Int
                                     FR
                                            Pop 50 3955-wof
            mo
1940-1957
            mo
                    R Taiwan Int
                                     GM
                                            Hit Parade 6185-wof
                    KBS World R
                                     FR
1945-1957
                                            Aux sources de la musique coréenne 6145-wof
            we
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<b>2000</b> -2030 2000-2030	daily su-fr	Denge Kurdistan V of America	VV FR	Mostly Kurdish mx (some talk) 11600-arm RM Show: su: Du Blues au Jazz mo: Le hit-parade amer- icain tu: Antenna Libre; we: Musique international th: Afro music; fr: La Musique de la caraibe 6065-sao 5970-lam 9490-kwt 11900-sao 15730-grv 17530-grv
2000-2056	daily	VofTurkey (TSR)	TU	Often has Turkish music 5960 9460
2000-2100	su	R Marti	SP	Archivo Musical 9565-grv 11930-grv
2000-2100	daily	R Farda	FS	ME mx (some West mx & talk) 5860-kwt
2000-2100	-		GK	Often varied Greek mx 9420 +/or 9935
2000-2100	daily	Zanzibar B. Co		Usually African/local music 11735
2010-2057	su	KBS World R		Musique coréenne 5950-iss
2010-2057	su	KBS World R		Unterwegs mit Musik (pop) 3955-wof
2010-2100	mo-fr	R France Int - Af		La bande passante 7205 9790 11995
2010-2100	mo-fr	RFranceInt-World		Couleurs Tropicales 3965(drm)
2015-2030	daily	China R Int	Srb	Varied Western/CC pop/rock 7325-uru 7390-xia 9585-kas
2030-2055	daily	China R Int	PO	Chinese Popular Music 6020-szg 7305-uru
2030-2057	-	V of America	Hausa	African music (irreg) 4960-sao 6035-sao 7325-sao 9490-sao 11955-bot 15730-grv
2030-2058	daily	Medi 1	AA	Musique Soufie 9575
2033-2100	sa	RFranceInt-World	FR	L'epopee des musiques noires 3965(drm)
2040-2055	su	China R Int	IT	Music from China 7265-uru 7345-kas
2045-2057	we	KBS World R	FR	Aux sources de la musique coréenne 5950-iss
2045-2057	we	KBS World R	GM	Musik verbindet (Traditional) 3955-wof
<u>2100</u> -2200	daily	R Farda	FS	ME mx (some West mx & talk) 5860-kwt
2100-2200	mo-fr	RAE Argentinien	SP	A lot of Argentinian mx daily, including: in die Welt mo: Argentinischer Tango; tu: Unsere Volksmusik 3985-kll
2100-2200	dly(irr)	ERT V of Greece	GK	Often varied Greek mx 9420 +/or 9935
2105-2158	sa	Medi 1	FR	Goldies (Mariam) 9575
2105-2158	mo-th	Medi 1	FR	Les Nocturnes (Jawad) 9575
2105-2158	fr	Medi 1	FR	Generation Hashtag (Talk & Mx) 9575
2105-2200	daily	HCJB Deutsche	GM	Ichtys R Live 3995-wnm 7365-wnm
2115-2130	daily	China R Int	Srb	Varied Western/CC pop/rock 6135-bei 7325-xia 7445-kun
2120-2130	th	R Romania Int	SP	Music Programme 13810 17745
2130-2140	tu	R Romania Int	SP	Folk Music Programme 13810 17745
2130-2140	fr	R Romania Int	SP	Romanian Folk Music 13810 17745
2130-2140	sa	R Romania Int	SP	Top Musical (pop) 13810 17745
<b>2200</b> -2230	tu	WRMI	SP	Trova Libre 5950
2200-2300	mo-fr	RAE Argentina	SP	A lot of Argentinian mx daily, including al Mundo mo: Tango Argentino; tu: La Folklórica 5950-rmi 11580-rmi
2200-2300	daily	R Farda	FS	ME mx (some West mx & talk) 5860-kwt
2200-2300	, ,	ERT V of Greece	GK	Often varied Greek mx 9420 +/or 9935
2215-2258	mo-th		FR	Les Nocturnes (Jawad) 9575
2215-2358	fr-su	Medi 1	FR	Deep Sunset (Amna) 9575
2300-2330	su	WRMI	SP	Trova Libre 9955
2300-2400	daily	R Farda	FS	ME mx (some West mx & talk) 5860-kwt
2300-2400 2315-2358	mo-th	ERT V of Greece	GK	Often varied Greek mx 9420 +/or 9935
	mo-tn th		FR	Les Nocturnes (Jawad) 9575
2320-2330 2330-2340	tu	R Romania Int R Romania Int	SP SP	Music Programme 9760 11700 11800 13730
2330-2340	fr	R Romania Int	SP	Folk Music Programme 9760 11700 11800 13730 Romanian Folk Music 9760 11700 11800 13730
2330-2340	sa.	R Romania Int	SP	Top Musical (pop) 9760 11700 11800 13730
2330 2340	Ju	A ROMANIA III	J1	τορ πασιεάι (μορ) 3700 11700 11000 13730

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 to the above list. Until next time, 73's Alan

# **International Broadcasting**

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# VOA Radiogram retires; the concept continues

As you read this, I am still an employee of the Voice of America. When you read my July column, I will be retired from VOA, after 32 years. I started in 1985 as VOA's entire audience research department. From 1995 to 2002, I was fortunate to be the presenter of VOA's weekly Communications World show. Then I returned to audience research.

In 2013 I began an experiment called VOA Radiogram (while continuing full time in audience research). The idea was to use shortwave broadcasting as a circumvention tool when the Internet is blocked – really blocked – even to the point of the crossborder landlines being cut. We borrowed the digital modes used by the amateur radio community and transmitted them on an old analog amplitude-modulated shortwave transmitter. The strange sounding tones can be picked up by any shortwave radio, including cheap portables with no single sideband capability.

The audio is patched into a PC or mobile device equipped with decoding software. For the most part, that software is free. On PCs, most VOA Radiogram listeners use Fldigi from w1hkj.com, but there are others, including MultiPSK. On Android devices, listeners use the TIVAR (Text and Images Via Analog Radio) app. Using a patch cord with an Android device is tricky, so most users just place the device near the speaker of the radio for "acoustic coupling."

The VOA Radiogram concept works. It can transmit text and images via shortwave radio if Internet circuits are down for any reason. What's more, it works better than voice – the originally intended content – via analog shortwave. In poor reception

conditions when voice broadcasts are difficult to comprehend, the digital modes punch through, often providing 100% copy. The digital modes have also shown some promise in overcoming jamming, though I would very much like to do more experiments against jamming.

I need to retire because my brain has no further interest in audience research. It does have much interest in delivering information across national boundaries and over long distance in adverse situations. I would have thought VOA and the Broadcasting Board of Governors would also have much interest in this task. Nevertheless, after visits to various offices of VOA and the Broadcasting Board of Governors, I found no interest in keeping me on as a (very cheap!) contract employee to continue the production of VOA Radiogram. Seems after 32 years, they want me "morally, ethically, spiritually, physically, positively, absolutely, undeniably and reliably" out of the building.

### Plan B

And, so, Plan B. During the past few months, WRMI has provided two half-hour slots for VOA Radiogram. These were supposed to be a temporary fill-in for DigiDX, a similar program of digital modes produced in the UK, that now seems permanently off the air. A yet to be named son-of-VOA-Radiogram will continue during those two slots, and perhaps additional time on WRMI, and maybe on other stations, if funding can be acquired somehow.

This will coincide with the revival of my website, www.kimandrewlliott.com, reporting (mostly linking to) news about international broadcasting. The new shortwave radiogram project will feature content from the website.

You probably will read this before the last VOA Radiogram during the weekend of June 17-18. Please tune in. If you haven't done so, download Fldigi for your PC or TIVAR for your Android device. Record the show, so that if you are not successful decoding "live," you can try again and again from your recordings.

Here is the schedule (see voaradiogram.net the Friday before the weekend for program details and any frequency updates):

Via BBG Greenville:

Saturday 0930-1000 UTC, 5745 kHz

Saturday 1600-1630 UTC, 17580 kHz

Sunday 0230-0300 UTC, 5745 kHz

Sunday 1930-2000 UTC, 15670 kHz

Via WRMI Florida:

Sunday 2030-2100 and 2330-2400 UTC, both on 11580 kHz

### DRM versus digital-via-analog

Digital Radio Mondiale (DRM) is still showing signs of life. In the May 24 Radio World, James Careless writes about its implementations in India and Brazil. Some international broadcasters are still looking into DRM.

Under satisfactory conditions, DRM on shortwave can provide beautiful music, even in stereo, with no fading and with background interference eliminated. It's often referred to as "FM quality." I prefer to borrow from Douglas Adams: it's a sound that is "almost, but not quite, entirely unlike" FM.

I have been decoding DRM broadcasts (when I can find them) since they became available early this century. It's great when it works, but I have found that, too often, it does not work. As with all digital transmissions, the signal drops out completely if the signal drops below a certain level, or if interference rises above a certain level, or some combination of the two.

This happens a lot on shortwave. In our modern multimedia world, the one remaining advantage of shortwave is that it can deliver information over long distances and in difficult conditions. DRM, because of its unforgiving nature, could eliminate that last remaining advantage of shortwave and thus hasten the demise of shortwave broadcasting.

This is why I wish more international media organizations would experiment with digital-via-analog. Yes, it does not produce beautiful audio. And it does not have an international consortium backing it up. And it is true I have done a wretched job of promoting the concept, given that all my time has been taken up producing the weekly VOA Radiogram shows, trying to answer the many emails from listeners, and fulfilling my VOA audience research duties. In fact, I have not even given the concept a catchy name like DRM.

DRM requires special receivers that are still very difficult to find. Digital-via-analog can be received on any shortwave radio. DRM requires a purpose-built transmitter, or at least a purpose-built exciter. Digital-via-audio can use any existing shortwave broadcast transmitter, and, in fact, VOA Radiogram uses a 55-year-old analog transmitter (characterized by occasional hum) at the North Carolina site.

If you think the digital-via-analog concept has merit, encourage surviving shortwave broadcasters to try it. It's not terribly difficult. Copy text from a website to the Fldigi transmit pane. Click the T/R button to "transmit." Use Fldigi's TX generate to save the tones as a wav file. Edit the audio if necessary, then play it out through the transmitter like any voice or music content.

Views expressed are more own. I am slowly reviving kimandrewelliott.com, reporting about international broadcasting. See also voaradiogram.net.

### **Shortwave Center**

John Figliozzi • 45 Algonquin Road • Clifton Park, NY 12065• jfiglio1@nycap.rr.com

[A strong recommendation on an antenna book, news of potential budget cuts to U.S. government-sponsored international broadcasting, a profile of an influential African shortwave station, a status report on DRM and a new U.S. evangelical broadcaster coming to shortwave round out this month's SWC. Happy summer, happy listening, happy reading!]

#### SHORTWAVE LITERATURE

### **Book Review: Portable Wire Antennas**

by John W Hill KF7SQQ

Reviewed by Rob Wagner VK3BVW

(Australian Radio DX Club)

Some months back, I purchased the latest edition (v2.1, 2015) of John W. Hill's excellent antenna compendium *Portable Wire Antennas*. And now having had some time over the holiday period to dig into the book, I'm mighty glad I did buy it! There are some really helpful hints for deploying antennas in portable or temporary situations. However, all of the designs presented in this book will work just fine in the home QTH environment as well. Although it is aimed principally at the licensed amateur radio operator, this book should also be read by the average shortwave listener, too! There's plenty here for all radio hobbyists to enjoy!

**Portable Wire Antennas** is described on the Amazon site as:

This is not a book on antenna theory. It does provide clear easily understood explanations on the principles of antenna operation, transmission line considerations, impedance matching, baluns, tuners, and the pros and cons of different types and configurations of wire antennas.

This book is written with the intention of enabling a new comer to amateur radio to understand the theory and practical considerations of this subject without getting lost in mathematics and complex theory. Portable, reliable HF communication is required for emergency management, expedition communications and recreational uses. This book is about selecting and constructing portable HF wire antennas that will provide maximum performance with low power, light weight and low bulk. All the information required to assemble antennas and antenna kits that can be deployed in multiple configurations is provided.

Special attention is given to wire antennas deployed at low heights above ground, a situation confronted by operators on the move. Special attention is also given to NVIS (Near Vertical Incident Skywave) communications, which is also optimum with low antenna elevation. NVIS propagation enables communications in the 50-500 mile range regardless of terrain and independent of repeaters.

With two or three low suspension points (8-20 ft.), one can deploy wire antennas that cover the 160-30 meter bands (those capable of NVIS propagation) with performance optimized for NVIS communication.

With a single high suspension point that can be improvised from one or two tall trees, buildings or cliff faces and one of the antenna launch systems described here, one can deploy multiple antenna options that can be configured from the modular antenna kit. These include inverted V resonant or random wire dipoles, long wire antennas, sloper dipoles and inverted L antennas for efficient all-band regional use. It also covers terminated V beam and inverted half

rhombic beam antennas optimized for 20-10 meters while being broad band (no tuner required), low noise gain equal to or greater than a high dipole.

With two medium to high suspension points (15-80 ft. depending on the band), one can install half square wire antennas that produce high gain low angle radiation that is optimum for DX operation. Dropping one of the wire curtains converts the same antenna into a general coverage multi-band inverted L.

With the versatility of the modular antenna components described here, one can quickly assemble, deploy and dis-assemble and roll up high performance wire antennas that are adaptable to nearly any operating environment and communications objective.

Over the decades, I've done my fair share of playing around with all sorts of HF and VHF antennas. And I've read quite a number of antenna books during that time. There are so many ways of stringing up a wire for transmission and reception of HF signals! But in recent times I haven't had the need to delve into an antenna book. So, I had forgotten about some of the designs presented in this book. I realised that there are still plenty of opportunities for me to experiment with various antennas.

Because of my previous experience, I found that Portable Wire Antennas was an easy read - not too heavy on the theory, no maths (yay!!) and well written. However, new ham radio operators and inexperienced shortwave listeners certainly won't feel out of their depth when working through the book. There are plenty of useful diagrams and photos to help explain the designs in their basic forms.

Just a few of the antennas discussed include vertical ground plane wire antennas, folded dipoles, an all-band random wire dipole, extended double zep, the OCF dipole, horizontal loops, end fed antennas, beverage receiving antennas, inverted half rhombics, and many more.

In addition, plenty of advice is offered on antenna related accessories such as transmission lines, antenna couplers, baluns and other transformers, along with helpful suggestions for deploying your antenna in a portable situation, antenna height, lightening protection and safety considerations. There are even several short chapters on radio wave propagation and propagation modes. There's also a useful bibliography referencing some well-known general antenna books, plus web links to articles, some of which I had not seen before.

Parts of the text relating to SWR measurements, dBi figures and such will not be relevant to shortwave listeners who just require an antenna for receiving purposes. And that information can be easily skipped over without problem. Indeed, some of these details might just arouse the curiosity of a possible prospective amateur radio operator of the future! Which is a good thing!!

It has to be said that none of these antenna designs are new. What John KF7SQQ has attempted to do is catalogue ways and means of deploying these configurations in temporary locations. So, for those of us who enjoy our hobby out-in-the-field, this book will provide some fresh ideas to consider when undertaking a DXpedition.

But, as I indicated at the beginning of this review, all of the designs and ideas can also find a more permanent setup in the radio hobbyist's home QTH. Yes, there are other more detailed and theory-laden books available for those comfortable with higher level maths, graphs, charts, etc. The purpose of Portable Wire Antennas is to introduce many options for consideration when going portable. To that end, the author has done an admirable job of writing a handbook that is easily accessible to many hams and SWLs. HIGHLY RECOMMENDED.

### **Availability**

This book is not expensive! *Portable Wire Antennas* is available in two formats paperback or Kindle editions. I bought the Kindle version and it worked well in that format. Current prices (as of January 6, 2017) on Amazon.com are \$11.99 for the paperback edition and \$3.99 for the Kindle edition.

### **Snippets**

# 1. How a Shortwave Radio Network is Helping to Counter Boko Haram

(Source: Public Radio International)

It's easy to overlook the power of radio, when being hit by a firehose of apps, websites, video and social media. But when you're out in the sticks, especially if there's crisis or unrest, radio saves lives.

"In crisis situations, information is very, very important. Sometimes more than food, you need information," says Faruk Dalhatu, managing director of **Dandal Kura Radio International** in the northeastern Nigerian city of Maiduguri, a former Boko Haram stronghold. "Because, if you're on the run, you need to know which direction is safe, before you even think of close family members that have been separated from you."

What's more, you don't need to know how to read to listen to radio. You don't even need to own a radio; you can just listen to someone else's. And if you've got a cellphone — and many people even in remote parts of Africa do — you can call in and have a voice.

All this informed why the relatively new **Dandal Kura** radio network, which started broadcasting in early 2016, was set up, with help from the United Nations and other funders, as it was — a regional, interactive, international radio network, reaching across borders, the way Boko Haram does, in the language Boko Haram and some 10 million people in the region speak, Kanuri. The region includes northeastern Nigeria, Niger, Chad and Cameroon.

"This is the first Kanuri-language radio network in the world," says David Smith, the founder of **Dandal Kura Radio International**, and previously founder of Radio Okapi in the Republic of Congo — credited by one senior UN peacekeeping official as electronically destroying the frontline in the war in the Congo — and other post-

conflict radio efforts in Somalia, Equatorial Guinea and the former Yugoslavia.

The idea behind **Dandal Kura**, which means "meeting place" in Kanuri, is to provide a region battered for almost eight years by Boko Haram, with a source of reliable information, interesting programming, and dialogue with each other and with regional peacekeeping forces now trying to keep Boko Haram at bay.

"Radio is king on this continent," says Smith. "To reach the people of the Lake Chad area, using anything other than radio, would be a failure."

Boko Haram, with its extreme Islamist views, wasn't a big fan of radio when it controlled most of northeastern Nigeria's Borno State, nor when it kidnapped 270 schoolgirls in 2014. Radios were among the many things its members destroyed in their rampage across the region.

Since early 2016, the Nigerian military has succeeded in pushing Boko Haram back, though not vanquishing them entirely. They still hit and run, and have killed more than 200 people over the past year. Many farmers are still reluctant to go back and live on their farms, resulting in the region known as Africa's breadbasket now having almost 50,000 people who face famine, and 5 million who are living with acute food shortages.

All that said, Faruk Dalhatu says things are definitely better than they were. The release in early May of 81 of the kidnapped schoolgirls, in a prisoner exchange, is just one sign of that.

"The tide has turned," Dalhatu says. "People can now travel from one village to another with minimal risk. Don't get me wrong; some people still need military escorts to cross the forest (where Boko Haram is active)," but it's better than it was, he says.

In this time of transition, **Dandal Kura** keeps its audience up to date with news and current affairs and entertained with music and talk shows. Families that were separated by years of violence can put out a call for their relatives to get in touch. Counselors, including Muslim and Christian clergy and traditional leaders, are invited to talk people through their trauma, and urge reconciliation with those who might once have been involved with Boko Haram and have now cut their ties. And there are popular radio dramas, written and acted out by local people, sometimes featuring former members of Boko Haram and their relatives.

"The writers know the people they're writing about," Smith says. "So it's not a stretch for them to make up radio fiction drama based on things that have happened to people in their own family. And horrible things happen in this radio drama. People die. People get blown up. People get killed. People get knifed. But it's real life."

Hearing these real life stories, including stories of reconciliation, and nonviolent ways to resolve disputes, has had an impact. Smith says a recent survey in the region found that 90 percent of people surveyed knew what **Dandal Kura** was, and thought favorably of it.

"Perhaps even more importantly, people who listen to **Dandal Kura** tend to be less likely to believe that violence is a means to an end in northeastern Nigeria, than those who don't listen to **Dandal Kura**," Smith says.

Still, Boko Haram gained ground, in part, because many people in the region had few prospects, felt ignored by the government and disgusted by its culture of impunity, Smith says.

"Until people have jobs, until people believe that they have some kind of link with influencing elected officials, until people believe that security forces are there to protect them rather than to at best harass them, at worst threaten their lives, until they have access to education, until they have access to adequate health care, the conditions that allowed an extremist group to exist

will remain," Smith says. "And Boko Haram will come back in another form, as it has in many other countries on the continent and elsewhere on the planet."

"So part of the reason that for **Dandal Kura** is to allow experts and simple farmers and students and goat herders to have a place to talk about what bothers them and how they see — I don't want to sound like a greeting card, but how they see a brighter future."

Read and listen to the report here:

https://www.pri.org/stories/2017-05-19/ how-shortwave-radio-network-helpingcounter-boko-haram

[<u>Ed. Note</u>: According to the recently published WRTH A17 Supplement, **Dandal Kura Radio International** broadcasts on shortwave as follows - 0500-0600 5960 kHz.; 0600-0700 7415 kHz.; 0700-0800 13810 kHz.; 1800-2100 12050 kHz.]

# 2. FY 2018 Budget Request reflects key BBG Priorities amid Spending Constraints

(Source: BBG Press Release via Dan Robinson and SWLing Post)

WASHINGTON, D.C. — The Broadcasting Board of Governors today released the FY 2018 budget request to support key U.S. foreign policy goals by providing news and information around the world while accommodating the current tight fiscal climate.

"As is true throughout the federal government, the budgetary environment requires that we prioritize our resources while emphasizing impact and maintaining the level of excellence our audiences have come to expect," said CEO John F. Lansing. "Despite reductions in spending, we are committed to our mission, impacting the lives of hundreds of millions of people around the world by providing accurate, unbiased, and uncensored news and information."

The tight fiscal environment necessitates BBG to improve operational efficiencies and

make difficult resource trade-offs to effectively meet performance goals and support U.S. foreign policy priorities.

The \$685.1 million budget request includes transmission, program and staffing reductions across all BBG networks—the Voice of America, Radio Free Europe/Radio Liberty, the Office of Cuba Broadcasting, Radio Free Asia, and the Middle East Broadcasting Networks—and the International Broadcasting Bureau, including the Office of Technology, Services and Innovation. This includes reducing, and in some cases, eliminating certain language service capacities; shifting away from shortwave transmissions where they have the least impact; and optimizing information technology.

Although the funding request represents a 12.9 percent reduction from the FY 2017 enacted budget, it prioritizes funding for U.S. foreign policy goals, including combatting violent extremism, countering Russian disinformation, and enhancing programming for North Korean audiences. It also capitalizes on the momentum gained from the streamlining of operations in 2016 and the aggressive shift to digital already underway at each of the five networks.

The request includes \$680.4 million for International Broadcasting Operations, including Federal and non-Federal networks, as well as \$4.7 million for Broadcasting Capital Improvements.

The FY 2018 budget request contains proposals to continue the agency's responsive shift to the most effective media platforms, respond readily to crises, keep pace with shifts in audience demographics and interests, and sharpen strategy and results measurement to drive performance.

BBG's extensive network of seasoned, professional and well-connected journalists is particularly strong in regions where ISIS, Russia, Iran, China and other global actors that do not share American values are attempting to make further inroads.

"Should Congress enact this budget, there is no doubt that staff reductions would be difficult," Lansing said. "We will do every-

thing possible to minimize the effect on our employees by emphasizing attrition, early retirement opportunities, and agency buyouts for federal employees wherever possible. Our staff and journalists are the core of what drives our impact around the world. We will do everything we can to safeguard our greatest asset."

### 3. DRM Digital Radio Comes of Age

Thanks to its adoption in India, the DRM broadcasting standard continues to advance

by James Careless, Radio World magazine

Public broadcaster **All India Radio** is operating 35 medium-wave (AM) and two shortwave radio transmitters using the *Digital Radio Mondiale* broadcasting standard, in an ambitious bid to roll out pristine digital radio service to the nation.

"Both of AIR's shortwave transmitters are broadcasting in pure DRM mode," said Yogendra Pal, former additional director general of AIR and head of the Indian chapter of the DRM Consortium, the global organization promoting the DRM standard.

"Out of 35 medium-wave transmitters, two are working in pure DRM carrying two audio services each in digital, and all the other 33 transmitters are working in simulcast mode. As of March 7, AIR has issued orders to operate 25 of the medium-wave DRM transmitters in pure DRM for one hour daily."

AIR's ultimate goal is to convert all of its medium-wave transmitters to DRM-only service. This will occur once the penetration of DRM receivers in India is sufficient to justify shutting down analog mediumwave transmissions. The original DRM30 data-based transmission standard works in the bands below 30 MHz. The newer DRM+standard goes above 30 MHz and covers bands I, II and III up to 240 MHz.

For the DRM Consortium — the members of which include many of the world's major radio broadcasters and equipment manufacturers — India's adoption of DRM justifies the group's years of hard slogging. Although

shortwave broadcasters such as the BBC, Radio France International and Vatican Radio are making limited DRM broadcasts to their audiences, AIR is the first major broadcaster to embrace DRM as an operational standard. In doing so, backers feel, India has validated DRM as a digital radio format, one to be taken as seriously as Europe's DAB/DAB+ and North America's HD Radio.

"The DRM rollouts in India is quite spectacular," said DRM Chair Ruxandra Obreja. "The first phase of the project was the installation of DRM-capable transmitters. Now we are entering a second phase where better sound, value-added nonaudio services, and receiver manufacturing are being seriously pushed and promoted."

DRM's success in gaining a foothold in India seems likely to be repeated in nations such as Pakistan and brazil, at least if the digital radio plans of broadcasters in these two countries come to fruition.

Here's a closer look at India's DRM progress to date, plus a glance at Pakistan and Brazil's DRM ambitions.

#### India

With an estimated 1.2 billion citizens being served by AIR's radio broadcasts, the decision to adopt DRM as the country's digital radio standard was made after the broadcaster's deliberation and testing of DRM and DAB transmission systems.

"AIR selected DRM based on this technology's ability to deliver clear, full-range digital audio on medium wave, FM and the interference-ridden shortwave bands," said Pal, the retired AIR executive who helped spearhead India's DRM rollout.

Given the popularity of AIR's global SW services — "available in more than 108 countries in 27 languages in analog," Pal said — plus AIR's "vast network of over 140 analog medium-wave transmitters giving service to over 98 percent population of the country," selecting the DRM digital radio standard made good sense for India's public broadcaster.

The fact that DRM-enabled medium-wave transmitters can also simulcast in analog medium wave cinched the deal. "until DRM digital receivers are available to a sizable population, analog medium-wave services can continue along with digital service from the same transmitter," Pal said. "No additional frequency spectrum was required, existing infrastructure such as transmission lines and antennas masts did not have to be replaced—and even the existing transmitters could be converted to digital at a nominal cost."

This said, **AIR** did buy a number of new DRM- capable transmitters from *Nautel*, which was big news for the Canada-based transmitter manufacturer.

"Nautel is proud to have supplied 11 100 kW NX100, 10 200 kW NX200, and six 300 kW NX300 DRM-enabled medium-wave AM transmitters to AIR, comprising the world's largest digital radio deployment to date," said Chuck Kelly, Nautel's Asia/Pacific Regional sales manager. "Nautel has [since] received a follow-on order from AIR for another four NX100s, and two NX200s."

Of course, deploying a specific digital radio broadcast technology requires the existence of compatible digital radio receivers. The widespread availability of *DAB/DAB+* receivers in Europe has been central to the medium's success in this region.

Conversely, a lack of DAB receivers doomed Canada's DAB rollout in the late 1990s. This lack of receivers resulted in the DAB transmitters that were simulcasting the country's AM/FM services in Canada's major cities to eventually go dark. Currently, some Canadian private broadcasters are rolling out U.S.-designed HD Radio transmitters into service on a trial basis.

In India, the push is on to get affordable, domestically made DRM receivers into the marketplace, and the hands of Indian radio listeners. "One Indian domestic manufacturer has already developed a standalone DRM receiver," said Pal.

"Some automobile manufacturers have also incorporated DRM reception facility in

their built-in audio systems. Our domestic receiver industry sees a very good opportunity in meeting domestic demand as well as making DRM radios for export."

The price of India's domestically made first DRM/MW(AM)/FM receiver, the Avion Electronics AV-DR-1401, is about \$189. Compared to the cost of conventional MW/FM radios, this is expensive in a country where, according to the CIA World Factbook, almost 30 percent of the population is below the poverty line.

"The price of standalone DRM digital receivers is certainly a concern at present," Pal said, "but I am sure that prices will go down very fast with demand; as we have seen in the deployment of any new technologies in many other fields. The eventual availability of a DRM reception facility in cellular phones will further boost the popularity of DRM digital services."

#### **Pakistan**

Unlike India, Pakistan's public-operated Pakistan Broadcasting Corp. (Radio Pakistan) is interested in possibly deploying DRM+ first on FM, then eventually medium wave. In fact, the country has already begun DRM+ field tests in the FM band, at its Islamabad facilities.

PBC's decision to focus on FM digital radio first is due to the country's large and growing urban population, and the fact that this technologically progressive audience is also more affluent than its rural counterpart.

"The literacy rate is much higher in the metro cities, as well as its buying power of new digital DRM receivers compared to rural areas," said Ghulam Mujaddid. He is **PBC**'s senior broadcast engineer, a member of **PBC**'s DRM Steering Committee, and an observer member of the DRM Consortium's International DRM Steering Board.

"It is also worth mentioning that the upfront equipment cost required for the transition in *DRM*+ for FM transmitters is much lower as compared to *DRM*-30 for AM transmitters."

Pakistan's broadcast spectrum allocation explains why the country chose DRM over DAB. "DAB uses band III (174 MHz to 240 MHz), which is already occupied by the Pakistan Television terrestrial network and some other departments," Mujaddid said. "DRM+ works in band II (88 MHz to 108 MHz), which is already the established band for FM broadcast. So it is quite easy and smooth for us to use the same FM band while transitioning to the DRM+ standard."

The fact that India is rolling out DRM also influenced Pakistan's choice of DRM over DAB. Broadcast compatibility with your next-door neighbor counts.

At present, **PBC** has 20 FM transmitters that are fully capable of DRM+ standard broadcasting across the country, and plans to buy 20 more DRM+-capable transmitters in the 2017–2018 financial year. **PBC** already has 10 kW, 100 kW and 400 kW MW/AM transmitters that are fully capable of supporting DRM- 30 standard broadcasts.

The fact that PBC can operate its existing and new transmitters in dual DRM/analog mode was a point in DRM's favor. "In contrast, DAB transmitters do not support analog and only work in the digital mode," said Mujaddid. "So we can't run both modes from a single DAB transmitter." Cost also gave DRM the edge over DAB: "FM transmitters, which normally transmit analog signals, can easily be converted to DRM+ by just adding a small piece of hardware to it." he explained. Although PBC is eager to start rolling out DRM+ and eventually DRM30 as well, it is no rush to shut down FM and medium wave. "There is no specific date for the rollout to be completed; it all depends on the factors and challenges we have already discussed," said Mujaddid. This said, "PBC is determined to rollout digital radio standard in the country to provide efficient and better programs to the people of Pakistan."

### Brazil

Since 2012, Brazil has had two reasons for wanting to deploy DRM. First, the country

is forward-minded when it comes to digital broadcasting. Second, when the national government "made a public call for digital radio standards to present themselves to be tested in Brazil, DAB did not attend," said Marcelo Goedert, owner of the Brazilian audio equipment firm Audio Fidelity Producões Ltda, and the DRM Consortium's Brazilian representative. "So it was never officially considered for Brazil."

Add the fact that Brazil is a very large country — "any digital radio solutions have to consider long distance transmissions via medium wave and shortwave" — and DRM was the right choice. Goedert said.

Unfortunately, ongoing economic and political unrest is delaying Brazil's adoption of DRM as the country's digital radio standard. In the interim, DRM field tests are underway. Specifically, DRM30 signals have been test-broadcast by **Empresa Brasil de Comunicação**, Brazil's public broadcaster, on 9740 kHz shortwave, since the end of October, 2016.

"We are using a low-power 150 W DRM transmitter installed at the Rodeador Site in Brasilia, the capital in the center of the country," Goedert said. "The aim of this test is to assess the behavior of the equipment, signal quality and system stability. Because of the low power, there were not any high expectations of large coverage but, despite all this, the signal has been detected all around Brazil — and there were some intermittent signals received in New Zealand." A new trial will start in April 2017 with a 1 kW transmitter, from the same site.

As for equipment, Brazil has a domestic transmitter manufacturer, BT-Broadcast Transmitters that makes DRM transmitters to sell locally and to other countries.

"The main challenge for Brazil is the governmental delay in establishing parameters for digital radio," Goedert concluded. "The other challenge is the diversity of Brazilian radio. We have around 10,000 radio stations divided into private, public, educational and communitarian; all with different interests and priorities. So it is very hard to find an

agreement on radio policies and technical standards."

These three countries and their interest in DRM suggest that this digital radio technology has found its place on the world stage. No longer is DRM an engineer's pet project, it is now a credible broadcast standard.

Having achieved this result, the *DRM Consortium*'s task is to capitalize on DRM's momentum and use it to attract other nations to the standard.

"Wider take-up and use of DRM remains the goal," said Obreja. "This goes in parallel with increasing the volumes of sold or integrated receivers that should establish digital radio as the norm and bring radio where it belongs: as the ultimate integrator and ubiquitous glue for all new and old digital platforms."

### 4. New Shortwave Station under Construction in the United States

by Adrian Peterson and Jeff White

AWR Wavescan

May 7, 2017

The April edition of the New Zealand DX Times contains the almost startling information that a new shortwave station is under construction in the United States. This new station is owned by the International Fellowship of Churches, is located near the town of Beowawe in the state of Nevada, and is licensed under the callsign KIMF.

Interestingly, a dozen years ago, there was another projected shortwave station with the same callsign, though it was planned for a different location.

The authoritative World Radio-TV Handbook for the year 2003 contains a brief entry for a projected new shortwave station, with the callsign KIMF. This new station would be located near Pinon in the American state of New Mexico, and it would contain one shortwave transmitter at 50 kW with two

registered frequencies, 5835 kHz and 11885 kHz. The original plan showed that the new station would be launched in late 2003 or early 2004.

The small town of Pinon with a population of considerably less than 100 people, is located in the south of the state of New Mexico approximately half way between the Arizona (west) and Texas (east) state lines. The owner and president for this new station was James Planck, and the postal address at that time was in Rancho Cucamonga in suburban Los Angeles in California.

This brief information about the new **KIMF** was contained in the *World Radio TV Handbook* for four consecutive years, running from 2003 to 2006. Neither of the volumes of the *WRTH* for 2002 (before) nor 2007 (after) made any mention of shortwave station **KIMF**.

Thus, no further information anywhere would seem to indicate that the projected new shortwave station **KIMF** had quietly come to an end. However, with the very recent surprising information from New Zealand in April, the story of the American shortwave station **KIMF** is re-opened. Subsequent reports on the Internet affirm the accuracy of the current information about this new shortwave station.

Interestingly, during the year 2015, James Planck began a four-hour daily program relay with **KVOH** that was on the air each evening. Then, last year, he ended his broadcasts over **KVOH** with the intent of establishing his own shortwave station.

The new location for **KIMF** is just half a dozen miles due west of another small town, Beowawe in Nevada. This town, with its hot springs geo-thermal electricity generating plant, has a population of also considerably less than 100 people.

The generally flat station property is located on the north side of the winding country road, six miles west of Beowawe town. Photos of the general area show that it is rather hilly with very little natural growth.

The wooden transmitter building is already constructed and some of the electronic equipment is already installed. At least one antenna system has already been erected. The intended coverage for this new shortwave station is said to be Latin America and Asia.

When this new shortwave station is fully operational, it will contain two shortwave transmitters; a Harris 50 kW and another that is listed as a PTS transmitter at 100 kW. Plans are in hand for the erection of a total of four diamond shaped three-wire rhombics. Registered shortwave channels for this station are given as 6065, 9300 and 13570 kHz.

The International Fellowship of Churches, under the same president James Planck, states on their website that they plan to erect additional medium wave and shortwave stations at strategic locations in order to obtain worldwide coverage. They already operate a medium wave station in the Central American country of Honduras, station HREZ in the twin city Comayaguela, with 1 kW on 1490 kHz. The operating organization in Honduras is listed as International Missionary Fellowship, with the initial letters IMF, hence their American callsign KIMF.

Their website also states that a shortwave station that is co-sited with their medium wave facility in Honduras is already on the air. Several years ago, that was true and it operated on 3340 and 5010 kHz. However, more recently their shortwave counterpart fell silent, so it would seem that they are planning to reactivate their shortwave transmitters in Honduras sometime soon.

Programming for the new American shortwave station will be produced in a studio in Los Angeles with a program feed by satellite to the transmitter facility. Their current postal address is 9102 Reserve Drive, Corona, CA 92883.

Apparently, their new shortwave station KIMF near Beowawe in Nevada will be activated some time quite soon. Our question then would be: Who will be the first international radio monitor to hear this new shortwave station on his own radio receiver?

### Listener's Notebook

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Times are UTC and frequencies in kHz.

**AFGHANISTAN** Weak to fair signal of Radio Afghanistan External Service on May 16:

1530-1705 on 6100 YAK English/Urdu/Arabic/ Russian & off! (DX Mix-Bulgaria)

ANGOLA 4950a, 0500, RNA Mulenvos, poor in PP w/apparent news bulletin 2/4 on signature freq 4949.73. At same time audio traces on 5004.59, presumed Bata. (Bryan Clark-New Zealand/NZDXT)

ANTARCTICA LRA36 audible in Europe With very good hf propagation tonight I heard LRA36 Radio Nacional from Base Esperanza from around 1930 on 15476 carrier and USB. Typical program of Spanish announcements and Argentine music. Signal was still weak but maybe it will get better in the coming days. (Harald Kuhl-Germany, 3 April) Noted music at tune in around 1925, station ID around 1930, followed by Latin pop. Signal peaking here 1945, then becoming weaker and lost in the mud around 2005. (Harold Kuhl-Germany 8 April/British DX Club)

ARGENTINA RAE Argentina al Mundo, the new name of Argentine Broadcasting Abroad, is off the air on shortwave via its own transmitters due to the rupture of a valve in its transmission equipment located in the transmitting plant of General Pacheco. The purchase of the valve necessary to return to the air has already been authorised but in practice it has not yet been acquired. (British DX Club) Nice letter and eQSL from Buenos Aires for their new English program via WRMI. Also, promising the special airmailed QSL, but at least I have the eQSL already in hand. (Ralph Perry-IL) Heard on 9,395 in English at 0100-0200 Monday through Saturday announcing e-mail address of rae@raeargentina.com. See USA for complete WRMI schedule. (RAD)

ARMENIA Frequency changes of BBC from May 15:

0200-0230 on 9615 ERV Pashto, ex 5875 0230-0300 on 9615 ERV Dari, ex 5875 (DX Mix-Bulgaria) AUSTRALIA 5045, I have started test transmissions from Perth, Western Australia, at 75 watts (300 PEP). For the time being, I am using the same audio of my other station--77.4 MHz FM. My test transmission is on the air from about 7:00 pm to about 10:00 pm every evening, local Perth WA time (1100-1400). Please direct listener reports and any enquiries to 77400fm@gmail.com. (Stefano Mollo-Australia/SWLing Post) Been checking 5045 on the receiver in Collie for the new Aussie in Perth. Should be easily audible there but haven't heard anything. Haven't heard any PNGs either. (Dave Valko-PA May 5)

Radio 4KZ Innisfail will run its 1.5 thousand watts into an inverted V antenna and will simulcast station 4KZ which is an AM/FM operation. The shortwave simulcast will be on 5055 seven days a week between 4 p.m. and 9 a.m. local time. The new shortwave service was reported on the website SWLING.COM and credited the general manager of NQ Radio, Al Kirton, VK4FFKZ, with creating this to provide service to some areas left without radio when Radio Australia went off the shortwave bands earlier this year. Meanwhile in Parliament, there's a measure by Senator Nick Xenophon which would reinstate Radio Australia's shortwave service if it passes. (Via Amateur Radio Newsline, Graham Kemp VK4BB. 21 /04/NZDXT)

AUSTRIA Strong signal of Oesterreichischer Rundfunk, May 11:

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

BAHRAIN Shortwave schedule of Radio Bahrain:

0300-2100 on 6010 ABH English CUSB, not active 0000-2400 on 9745 ABH Arabic CUSB (DX Mix-Bulgaria)

**BANGLADESH** Summer A-17 shortwave schedule of Bangladesh Betar:

1230-1300 on 15105 DKA English 1315-1345 on 9455 DKA Nepali 1400-1430 on 15505 DKA Urdu 1515-1545 on 15505 DKA Hindi 1600-1630 on 7250 DKA Arabic 1630-1730 on 7250 DKA Bangla 1745-1900 on 13580 DKA English 1915-2000 on 13580 DKA Bangla (DX Mix-Bulgaria)

BHUTAN 6035, surprised today (May 20) to hear monologue immediately post-Yunnan, which audio ended at 1218; would like to think this was the return of BBS/Bhutan, which has not been heard post-1200 in a long time now, but unable to confirm due to lack of specific details; was intensely listening for their unique indigenous music, but there was none, just the OM with monologue. Needs more monitoring now that it might be BBS. (Ron Howard-CA)

BOLIVIA 5952.42, Radio Pio Doce, 0228, May 24. Start of whistling "Colonel Bogey March"; full ID and gave http://www.radiopio12.com.bo (where frequencies are shown as 710, 5955 and 90.7); chimes; end of audio at 0230; open carrier (dead air) continued on past 0305+. (Ron Howard-CA)

**BRAZIL** 4985, May 2, 0523, Radio Brasil Central Goiania, Brazilian songs, comments. Interference Teletype stations. (Méndez-Spain/Shortwave Bulletin)

BULGARIA Additional transmissions of BVBroadcasting via SPL, May 16

0300-0315 on 9400 SCB Arabic Dardasha 7 1645-1700 on 11700 SCB Arabic Dardasha 7 (DX Mix-Bulgaria)

CANADA 6030, CFVP - Calgary at 2227, comedian talking about baseball, 2228 ID "Calgary's all-new Funny 10-60 A-M", into woman comedian. - Good, May 3. (Harold Sellers-BC/DXplorer)

CHINA 4990, May 2, 1101, PBS Hunan, back on the air again on May 2, after being silent for a while; noted at 1101. (Ron Howard-CA/Shortwave Bulletin)

5970, Gannan PBS, back on former frequency. After six months of being on the unique frequency of 5979, they have returned to their former frequency; thanks to the timely observation made yesterday by Hiroyuki Komatsubara (Japan). Now ex: 5979 is silent. May 14, tuned in at 1127 to hear traditional Chinese music; 1230 announcer in Chinese with EZL background music. (Ron Howard-CA) 5970, Gannan PBS, 1144, May 21. Traditional Chinese music; ex: 5979. So, are they really back to stay on their

former frequency? Unable to hear // 3990. Now ex: 5979 remains silent. (Ron Howard-CA)

6035, PBS Yunnan (Voice of Shangri-la), 1146-1201\*, May 9. A few brief announcements in Chinese: classical waltz music (Johann Strauss II - An der schönen blauen Donau, Op. 314 [aka: "The Blue Danube Waltz"], etc.); much stronger signal than usual. Last year often heard BBS (Bhutan) here till after 1200, but they have not been heard for a while now, so assume with an earlier sign off time now? (Ron Howard-CA) 6035, PBS Yunnan, 1120-1203\*. May 20. In Chinese; EZL pop songs; 1134 usual ID normally given about this time - "S W liu(6) ling(0) san(3) wu(5). Yunnan Radio and Television International, the Voice Shangri-la"; suddenly off. (Ron Howard-CA) 6035, PBS Yunnan, 1132, May 21. Usual ID ("S W liu(6) ling(0) san(3) wu(5). Yunnan Radio and Television International, the Voice Shangrila"); weak, but fairly readable ID. (Ron Howard-CA)

15190, new frequency, CNR17, 0445-0501+, May 19. Tuned into an UNID station; sent my audio off to Mauno Ritola for his expert analyzes; he provides the following: "IDed as 'Ortalyk khalyk stansiasu' and still heard now at 0850, confirmed // 12055, so CNR17 Kazakh has added a frequency." As always, I am very grateful to Mauno for his kind assistance. (Ron Howard-CA) 15190, CNR17, \*0257, May 24. Started with indigenous music IS; time pips at 0300; fair. (Ron Howard-CA)

**CLANDESTINE** Evening transmission of Radio Dandal Kura International via new transmitters:

1800-1900 on 12050 DHA Kanuri, ex ASC 1900-2100 on 12050 WOF Kanuri, ex ASC (DX Mix-Bulgaria)

Reception of Voice of Oromo Liberation via MBR Nauen on May 14:

1700-1730 on 15420 NAU Afan Oromo Wed/Fri/Sun, good. Transmissions are jammed by Ethiopia with weak white noise digital jamming. (DX Mix-Bulgaria)

Radio Voice of Adal via MBR Issoudun with new schedule, May 17

1500-1539 on 15205 ISS Arabic Wed/Sat, ex 1500-1530 1539-1558 on 15205 ISS Tigrinya Wed/Sat, x 1530-1558

(DX Mix-Bulgaria)

Reception of Radio Al-Mukhtar via MBR Issoudun on May 9:

1500-1558 on 15205 ISS Arabic Tue (DX Mix-Bulgaria)

Good signal of Radio Publique Africaine via TDF Issoudun, May 14

1800-1830 on 15480 ISS Kirundi 1830-1858 on 15480 ISS French (DX Mix-Bulgaria)

Summer A-17 shortwave schedule of Alyx & Yeyi clandestine stations:

Denge Kurdistan

0230-0500 on 7350 ISS Kurdish 0500-1400 on 11600 KCH Kurdish 1400-1600 on 11600 SCB Kurdish 1600-1930 on 11600 ISS Kurdish 1930-2030 on 11600 KCH Kurdish

Eye Radio

0400-0500 on 11730 ISS Arabic/English\*
1600-1900 on 17730 ISS Arabic/English\*
\*including other languages Dinka/Nuer/Shilluk/
Bari/Zande/Lutoho

Radio Voice of Independent Oromiya

1600-1630 on 17850 ISS Oromo Sun

Radio Xoriyo Ogaden

1600-1630 on 17870 ISS Somali Mon/Fri

Sagalee Qeerroo Bilisummaa

1630-1700 on 17840 ISS Oromo Tue/Thu/Fri (DX Mix-Bulgaria)

Dimtse Radio Erena via BaBcoCk Secretbrod with new schedule in Tigrinya/Arabic 1700/1745 Mon-Fri, instead of 1700/1730 Mon-Fri till 1700 on 11965 KAS:

1700-1730 on 11965 SCB Tigrinya Mon-Fri 1730-1800 on 11965 SCB Arabic Mon-Fri 1700-1800 on 11965 SCB Tigrinya Sat/Sun (DX Mix-Bulgaria) COLOMBIA 5910.172, Alcaraván Radio, Puerto Lleras, Meta, Colombia, noted in Florida remote SDR at 0452. Very nice Latin American music, S=9 strong, but little fluttery on night path. Also 2 x 50 Hertz either side two strong peaks visible accompanied. Nothing on air on other 6010v channel. (Wolfgang Büschel-Germany/DXplorer)

CONGO: 6115 May1 0545 Radio Congo (presumed). With "RN2, Radio Nikkei" (Japan) temporarily off the air (they should be back again on May 3), clearly able to make out the announcers in French, with no QRM at all; did not play any music the whole time; at 0545, I just missed the sign on by a few minutes; poor. (Ron Howard-CA/Shortwave Bulletin) 6115, May 1, -1831\*, Radio Congo, Brazzaville, music, at 1801 "Radio Congo, le journal", French, news, comments. Clear signal. (Méndez-Spain/Shortwave Bulletin)

**CUBA** Summer A17 frequency changes of Radio Habana Cuba from April 9

0100-0700 NF 6145 BAU English, ex 6165 A-16 2100-0400 NF 7340 BEJ Spanish, ex 9710 A-16 For the first time, ever that Radio Habana Cuba has used the 7MHz band. (NZDXT)

FRANCE Reception of Telediffusion d'Algerie via TDF on May 1/17:

2000-2058 on 9655 ISS Arabic Holy Quran px 2000-2013 on 12060 ISS French news bulletin 2013-2058 on 12060 ISS Arabic Nat. Chaine 1 0400-0458 on 7295 ISS Arabic Holy Quran px 0500-0558 on 7295 ISS Arabic Holy Quran px 0500-0513 on 9535 ISS French news bulletin 0513-0558 on 9535 ISS Arabic Nat. Chaine 1 0600-0613 on 9535 ISS French news bulletin 0613-0658 on 9535 ISS Arabic Holy Quran px (DX Mix-Bulgaria)

6105, Today May 22 NHK Radio Japan in Japanese towards Central America was again back on A-17 scheduled TDF Issoudun channel, formerly on 'keyboard slip glitch' wrong 6015 on May 19 & 20. Usual 500 kW S=9+35dB powerhouse signal noted on remote Central Florida SDR unit at 0430 on May 22<sup>nd</sup>. On Saturday May 20<sup>th</sup>. I informed the "nhk.or.jp" technical gang direct in Tokyo Japan. (Wolfgang Büschel-Germany/DXplorer) Noted in Wyomissing on incorrect 6015. (RAD)

GERMANY Other transmissions of Radio Tirana on shortwave via Shortwaveservice

1830-1900 on 6005 KLL French Mon-Sat tx#02 1900-1930 on 6005 KLL English Mon-Sat tx#02 1930-2000 on 3985 KLL German Mon-Sat tx#01 1930-2000 on 6005 KLL German Mon-Sat tx#02 (DX Mix-Bulgaria)

RAE Argentinien in die Welt via Shortwaveservice Kall from May 15

0900-1000 on 6005 KLL German Tue-Sat 2100-2200 on 3985 KLL German Mon-Fri and respectively

Radio Belarus Daily broadcast move one hour later

2200-2400 on 3985 KLL German, ex 2100-2300

Voice of Mongolia Daily broadcast move one hour later

0000-0030 on 3985 KLL English, ex 2330-2400 (DX Mix-Bulgaria)

Good signal of DWD Deutscher Wetterdienst in AM mode on May 4

0602-0627 on 6180 PIN 010 kW German, ex in CUSB (DX Mix-Bulgaria)

Reception of DWD Deutscher Wetterdienst in AM mode, May 9-10:

2002-2030 on 6180 PIN 010 kW German, QRM CRI on 6185

0602-0630 on 6180 PIN 010 kW German-fair/good signal

(DX Mix-Bulgaria)

Schedule of DPØ7 Seefunk, former DPØ7 Seewetter via Kall

0730-0800 on 7310 KLL German Daily 1200-1230 on 7310 KLL German Mon-Fri (DX Mix-Bulgaria)

September. Radio DARC, the shortwave broadcast of the Deutscher Amateur Radio Club (DARC) - has announced plans to broadcast six programmes during the 24th International Amateur Radio

in Landshut, Germany. These will be relayed via Moosbrunn, Austria. The preliminary schedule from 17-22 September:

1730-1800 13775-mos 300 kW Africa 1730-1800 9790-mos 100 kW Eastern Europe/ Russia/ Middle East 1800-1830 6070-mos 100 kW Central, northern,

and southern Europe

1800-1830 9540-mos 100 kW Western Europe (ARRL 13 Apr via Harald Kuhl/British DX Club)

Reception of HCJB Germany via Weenermoor, May 16-17

2100-2200 on 5920 WNM German 0300-0400 on 5920 WNM Russian 0400-0500 on 5920 WNM German (DX Mix-Bulgaria)

Updated schedule of The Mighty KBC Radio via MBR Nauen:

0000-0200 on 9925 NAU English Sun till Aug.27 from Sept.2/3

2300-0000 on 6145 NAU English Sat, ex 0000-0100 Sun

0000-0100 on 6145 NAU English Sun, ex 0100-0200 Sun

(DX Mix-Bulgaria)

GUAM Weak/fair signal of KTWR Trans World Radio Asia on May 15

1430-1500 on 9975 English Mon-Sat (DX Mix-Bulgaria)

INDIA 4870.25, AIR (Delhi-Kingsway), on May 8, with open carrier at 1322; started audio at 1326 with subcontinent music/singing (not AIR IS); weak; scheduled to be in Nepali; RRI Wamena (Indonesia) continues their month+long silence, > which was last heard on 4869.88. (Ron Howard-CA)

4970, May 2, 1315, AIR Shillong. Much stronger modulation than normal; almost fair; financial ad; 1318-1335 non-stop chanting (no music); usual ID in English; "This is the North-Eastern Service Radio DARC plans high power SW broadcasts in of All India Radio broadcasting from Shillong on shortwave 60.26 meters, corresponding to 4,970 kilohertz and an additional FM 100.1 megahertz." My local sunrise at 1312. May 3, heard with amazingly good audio level; 1230 EZL jazz filler music Union Region 1 Conference, from 16-22 September till start of the news from Delhi in English at 1232, already in progress, with item about the supreme court ruling today; stock market info and sports news. Great to have them with such good modulation again! (Ron Howard-CA/Shortwave Bulletin) 4970, AIR Shillong, on May 9, with yet another day of strong audio; 1230 news feed in English from Delhi. Fairly readable, which is a very nice change from their past low modulation. (Ron Howard-CA)

5050, AIR Aizawl, has not been heard for a while now. (Ron Howard-CA via wwdxc BC-DX TopNews May 8) Thanks to Wolfie, who provided this info on May 9: "5050even IND AIR Aizawl, Mizoram, rather tiny signal in Delhi remote SDR. S=7-8 at 1419." So, I am not hearing them underneath a strong Guangxi Beibu Bay Radio (China). In the past I had no problem hearing AIR mixing with BBR, so Aizawl must have come down significantly in power? (Ron Howard-CA/Shortwave Bulletin)

Voice of Kashmir, Sedoye Kashmir was back on this QRG on May 11:

1430-1530 on 6030 Delhi Kashmiri, instead of 6100 May 9 (DX Mix-Bulgaria)

### INDIA (ANDAMAN AND NICOBAR ISLANDS)

4760, found AIR Port Blair on web receiver in Collie Australia earlier (May 6). Kind of noisy there but audible. First an ad for Health & Finance Company System, then a possible ID (mention of "Akashvani..." but can't tell if the next words are Pt. Blair), and ending with some music. (Dave Valko-PA) 4760, AIR Port Blair (presumed). Nicely above threshold level audio 1205, on May 9, with sub-continent music/singing. Recently has been doing fairly well. (Ron Howard-CA)

INDIA (SIKKIM) 4835, AIR Gangtok (presumed), 1240, May 9, during a brief check here, was able to hear an announcer, so just above threshold level audio; is rare that this gets up to this level, so an outstanding day for subcontinent reception. (Ron Howard-CA)

INDONESIA 3325, was just checking again for V.O. Freedom testing using the Collie Aust. web rx. Nothing. But did catch RRI Palangkaraya signing on at 2155 with their somber piano IS followed by a nice ID announcement with freqs. Rich and John, we should be able to get this "long path" in November. Would be fun to catch their sign on .... unless they change their sked. (I did hear them

at 2206 at Christmas 1996). (Dave Valko-PA) 3325, Pro 1 RRI Palangkaraya, 1025, May 22. Reciting from the Qur'an. NBC Bougainville last heard here on May 17 & 18 and still silent through the 24<sup>th</sup>. (Ron Howard-CA)

9524.95, VOI, 1000, May 23; in English; news; promo for this year's quiz; "commentary"; another quiz promo; "Indonesian Wonders". (Ron Howard-CA)

IRAN Additional transmissions of VIRI IRIB for Ramazan, May 27 - June 28

1930-2300 on 7315 SIR Azeri 2200-0100 on 9630 SIR Arabic, alt.9810 2300-0300 on 7410 SIR Azeri 0023-0120 on 9760 SIR Turkish, alt 9810 (DX Mix-Bulgaria)

ITALY Here is the current schedule of Marconi Radio International (A-17 period), until 29 October 2017: On Tuesdays, from 1700 to 2000 on 7700 (Alternative 7690) USB Mode, with a power of 100 watts. Their schedule is liable to change and additional broadcasts can be aired occasionally. As usual, when this occurs, a circular message is being sent to all listeners in their mailing list as well as shortwave community. Their broadcasts include some kind of programmes now sadly missing from most shortwave radio stations: a weekly old style DX show in English "Italian Short Wave Panorama" (there is also the Italian version called "Panorama Onde Corte") with lot of recent logs as well as a Mailbag show in Italian ("Casella Postale Elettronica") on air on the first Tuesday of each month, with repeats during the following transmissions in the same month. Station identification announcements are not only in English and Italian but also in French, German, Japanese, Romanian, Spanish and Catalan. DX shows "Italian Short Wave Panorma" and "Panorama Onde Corte" can also be heard throughout IBC, Italian Broadcasting Corporation, using transmitter facilities of WRMI, in Okeechobee (Florida) in the USA, Radio Channel 292, in Rohrbach Waal (6070) in Germany, and Radio Studio X (1584), in Pistoia, Italy. For more details, including times and frequencies, please visit the website of IBC, Italian Broadcasting Corporation, at: http://ibcradio.webs.com (MRI Facebook page/DX Fanzine)

KOREA (NORTH) 3219.92, KCBS, Hamhung. Scheduled to be relaying Pyongyang BS (but I'm not so sure about that...) at 2015 with orchestral

music, very weak signal. Running // 3250 at this time where it was much stronger, 14/4. (Wagner-Australia/ARDXC)

5905, Echo of Unification, Pyongyang. The usual stirring KK marching song from a female choir blasting out at 1243 before KK anns 1245. Heard on 19/4. (Allen-Australia/ARDXC)

6100, 1529, Pyongyang w/solemn orchestral, time pips at 1530 & KK annct. Very good signal on LSB mode only which allowed weak Afghanistan cochannel to sneak through at 1532 2/4. (Bryan Clark-New Zealand/NZDXT)

11735, Voice of Korea, Kujang. Nice signal, EE px, annct., then mx, including some nice lead guitar work, before sked was read 1125. FF from 1130, 29/4. (Seager-Australia/ARDXC)

13760, Voice of Korea at 2221, choir singing, English listed at this time. - Very poor, May 3. (Harold Sellers-BC/DXplorer)

15105, UNID. Presumed to be Vo Korea (D.P.R.K), Kujang with a test transmission as there is no broadcast scheduled at 0305. Korean sounding song with female vocal when I first tuned in. Suddenly no audio at 0308, just carrier. Then a transmitter test tone at 0322. Next at 0326, some sort of strange unidentified data transmission on the carrier. Finally, the VoK interval signal began at exactly 0330 and into the usual Mandarin service to SEAs. Monitored both here at Mount Evelyn (fair signal) and through the remote SDR in Chiba, Japan (excellent signal). Quite odd! 19/4. (Wagner-Australia/ARDXC)

KOREA (SOUTH) Frequency changes of Voice of the People from May 18

0530-2330 NF 3910 K-S Korean, ex 3912 0530-2330 NF 3930 K-S Korean, ex 4557 0530-2330 NF 6520 K-S Korean, ex 6518 parallel freq 3480 K-S Korean no change parallel freq 4450 K-S Korean no change parallel freq 6600 K-S Korean no change (DX Mix-Bulgaria)

Frequency changes of Echo of Hope VOH eff. May 18:

0600-2400 NF 5995 HWA Korean, ex 6003 0600-2400 NF 6350 HWA Korean, ex 6348 parallel freq 3985 HWA Korean no change parallel freq 6250 SEO Korean no change (DX Mix-Bulgaria)

5920, on a new frequency of 5920, Voice of Freedom (clandestine) (presumed), ex: 6135. Thanks to the timely tip posted to WRTH Facebook page by Mauno Ritola. May 15, seemed to sign on about 1130(?), checked this new frequency on and off after 1107; first noted at 1137; in Korean and playing easy listening pop songs; an abbreviated transmission of about an hour; they went off close to 1238\* and not heard after that. Seems I may have heard a test transmission. (Ron Howard-CA)

6003, Echo of Hope - VOH. What is happening? Were the new frequencies 5995 and 6350 just tests? May 22, at 1039, noted them back on former 6003 (ex 5995) // 6348 (ex 6350), as well as the usual // 3985 // 6250; all were jammed. At 1121 found all four frequencies in the clear, with no white noise jamming; 3985 fair reception; 6003 good; 6250 fair (the best I have ever heard then here!) and 6348 fair. Jamming resumed within a minute or two. (Ron Howard-CA)

6020, on a new frequency of 6020, Voice of Freedom (clandestine) (presumed). Tuned in on May 16, at 013; clearly not Vietnam (VOV4), which is also on this frequency; suddenly off at 1017\*; VOF's usual 6135, only had the normal white noise jamming and the other new VOF frequency that was heard yesterday on 5920, was silent all of today. At 1018, found VOF had switched to 6135, underneath the normal white noise jamming; usual format of being in Korean and playing EZL songs; still there at last check of 1240, with 5920 silent and a weak VOV4 on 6020. Seems therefore that they are randomly testing their two new frequencies (5920 & 6020), as well as using their normal 6135. Certainly, no pattern yet established as to their testing schedule. Now would be a good time to catch 5920 or 6020, while VOF is testing with no white noise jamming (yet!). Only problem is to actually catch them on the new frequencies! Really has been random testing yesterday and today. A DX challenge, hi! (Ron Howard-CA)

**KUWAIT** 9745, 1934, RFA, in CC. Fair signal mixed with others' attempts at blocking it, but quite audible. 16/4. Stu Forsyth-New Zealand/NZDXT)

15540, Radio Kuwait with big signal at 1758 on May 1. N/A at 1759 to time pips at 1800. S/On in EE. (Mick Delmage-AB) 15540 R. Kuwait. Reactivated! Fanfare 1830, then into nx in EE. A bit noisy, but good to hear them again. Deteriorates as the (local) morning progresses, 21/4 (Seager-Australia/ARDXC)

15090, R. Azadi, Umm al Rimam. Pashto service with news at 0335, poor signal, 19/4. (Wagner-Australia/ARDXC)

Radio Kuwait after two years of absence is back to shortwaves with its English programme, heard with a guite good signal in both Europe and North America, from 1800 to 2100 on 15540. On 28th April, the station annnounced on the air they wish to receive reception reports to this (unknown to me!) E-mail address: kwtfreg@hotmail.com. Surprisingly. I found that delivery of my report to this e-mail address failed permanently! The same occurred with the well-known official E-mail address: Kwtfreq@media.gov.kw! However, Radio Kuwait mentioned also the following postal address and fax number for reception reports: Ministry of Information, Engineering Affairs, Department of Frequencies, P.O. Box 967, Safat, 13010 Kuwait; Fax: +965 22415498 (Antonello Napolitano, Taranto-Italy/DX Fanzine)

Radio Kuwait has reactivated shortwave transmissions two years after they were last on the air. The English service was first observed 9 April and has since been widely heard, with good reception in the UK. The schedule and format is much the same as it used to be:

1800-2100 on 15540 in English to Europe and North America.

The opening ID announces 963 kHz 93.3 FM and 15540 SW. Reception reports to: Ministry of Information, PO Box 967, 13010 Safat, Kuwait. It was reported a few months ago that Radio Kuwait's SW transmitters were being renovated. So far only the English broadcast has been heard, but it is expected that Arabic and other languages will also resume in due course. (Allen Dean, Alan Roe, Alan Pennington, Dave Kenny-UK 9-25 April/British DX Club)

Reception of MOI Radio Kuwait, May 3:

1800-2100 on 15540 KBD English (DX Mix-Bulgaria)

Reception of Radio Kuwait in Urdu & English on May 9

1756-1800 on 15540 Urdu 1800-2100 on 15540 English (DX Mix-Bulgaria)

KYRGYZSTAN 4010.220, Bishkek Birinchi R1 from Krasnaya Rechka, powerhouse S=9+30dB, phonein program in Kyrgyz language, at 1407 on May 9. Nothing seen/visible on 4819v nor 5130v at this hour. (Wolfgang Büschel-Germany/DXplorer) Yes, only China heard on 4820. I checked my file from the end of March and also then KGR was there only in the morning, so maybe reduced schedule? And what is noteworthy, it was NOT // with Birinchi Radio 4010. Attached 0100 ID, which I can't match with any network name given in the WRTH. Sounds like "Karast Radyosu" or similar? Anyone more familiar with Turkic languages here? (Mauno Ritola-Finland/DXplorer) Dmitry Mezin could ID it ass Kyrgyz Radyosu, so it is the 2nd network. Hopefully someone can now confirm, that 4820 is still on even on mornings or off completely. (Mauno Ritola-Finland/DXplorer)

5130, Sedaye Zindagi. Translated from Dari as Voice of Life re-activated on 11/4 at \*1550-1750\* w/talks & rlg songs, a Christian px. (Pankov-Bulgaria/ARDXC)

LAOS 6130, Lao National Radio, 1158, May 18. Better than normal reception; indigenous music; slightly late with gong that was slowly rung seven times; choral anthem; indigenous music; news in assume Laotian. (Ron Howard-CA) Now hearing Laos on 6130, with the best reception in years! (Ron Howard-CA)

MOLDOVA Summer A-17 shortwave schedule of BaBcoCk relays:

Trans World Radio Africa

1630-1645 on 15105 KCH Somali Sun (11760/11865/15710 1630-1700 on 15105 KCH Somali Mon-Sat 1800-1845 on 9940 KCH Tigrinya Mon-Thu 1815-1845 on 9940 KCH Tigrinya Fri 1800-1830 on 9940 KCH Tigre Sat 1800-1830 on 9940 KCH Kunama Sun 1830-1900 on 9940 KCH Tigrinya Sun (DX Mix-Bulgaria) MONGOLIA Summer A-17 shortwave schedule for Voice of Mongolia:

0900-0930 on 12034.9 U-B English 0930-1000 on 12034.9 U-B Mongolian 1000-1030 on 12034.9 U-B Chinese 1030-1100 on 12034.9 U-B Japanese 1400-1430 on 12014.9 U-B Chinese 1430-1500 on 12014.9 U-B Mongolian 1500-1530 on 12014.9 U-B Japanese 1530-1600 on 12014.9 U-B English (DX Mix-Bulgaria)

MOROCCO (SPANISH) From May 1 again no signal of Radio Medi 1:

0000-2400 on 9575 NAD Arabic/French (DX Mix-Bulgaria)

MYANMAR 5985, May 2, \*1120-, Myanmar Radio. Suddenly on; fair; in vernacular. (Ron Howard-CA/ Shortwave Bulletin)

NEW ZEALAND 7425, RNZI armchair lvl here at 0758 with Cyclone Donna Advisory for Vanuatu. Winds near center 185 km/hr gusting to 265 km/hr, a Category 4 cyclone. Time pips and man ann w "RNZI News at 8" at 0800. Item about sports figures using cocaine, local fires, freedom campers in Christchurch, opening of duck hunting season, 400+ migratory birds found dead in TX, etc. Item by woman on submitting complaints against RNZI fol by local weather by man to 0804 and pgm anmts to 0805. Nice to have RNZI hanging in there with decline of SW stations worldwide! (Bruce Churchill-CA/DXplorer)

Changes of Radio New Zealand International in AM mode, May 7:

1651-1950 on 9700 RAN English Sun-Fri 1951-2050 on 11725 RAN English Sun-Fri 2259-0458 NF 13840 RAN English Daily, x 15720 (DX Mix-Bulgaria)

Frequency changes of Radio New Zealand International, May 20:

1259-1650 NF 6170 RAN English to All Pacific Daily, ex 5995 1651-1858 NF 6170 RAN English to All Pacific Sat, ex 5995

(DX Mix-Bulgaria)

**OMAN** Summer A-17 shortwave schedule of Radio Sultanate of Oman:

0000-0200 on 9500 THU Arabic (9650)
0200-0300 on 15355 THU Arabic
0300-0400 on 15355 THU English
0400-1000 on 13600 THU Arabic
1400-1500 on 15140 THU English
1500-2200 on 15140 THU Arabic
2200-2400 on 9740 THU Arabic
(DX Mix-Bulgaria)

15140, Radio Oman which is scheduled in English at 1400-1500 sometimes continues in English after 1500. (Allen Dean-UK/British DX Club)

PAPUA NEW GUINEA 3260, NBC Madang and 3275, NBC Southern Highlands both silent on May 9, at 1202; unlike yesterday's receptions; today with unique conditions, as the lower powered Korean station on 3220 was unusually strong today. (Ron Howard-CA) 3260, NBC Madang, 1203\*, May 17. Cut off just after announcer said "Election 2017"; poor. (Ron Howard-CA) 3260, NBC Madang, 1150-1208\*, May 21, with the usual Sunday show in Pidgin; religious (Christian) songs. Was impatiently waiting for the Sunday only syndicated show "Island Praise" with DJ Stacy Rose, but her show was perhaps late starting and was not heard; suddenly cut off. (Ron Howard-CA)

3275. Found someone on 3275 earlier (May 8) and is on now at 1315 using the web receiver in Collie Australia. Pretty weak and getting audio only in west Australia, however the signal is visible on other receivers in the Pacific. I'm betting R. Southern Highlands back on. Language by the man DJ sounded Pidgin. Soft Pop song now. Unfortunately, the receiver at Freemans Ranch is off. If Southern Highlands, it must be low power. (Dave Valko-PA) 3275, NBC Southern Highlands (presumed), 1203, May 17. Only hearing an open carrier here. (Ron Howard-CA)

3325, NBC Bougainville, 0904-1200\*, May 17. Wonderful to hear this station again, after a considerable absence. Not many IDs given, but heard several "NBC Bougainville" IDs at 1022 and sign off announcement at 1156; segments in English and Pidgin/Tok Pisin. Mostly poor, with heavy QRN (static). (Ron Howard-CA)

3365, looks like Milne Bay is back on now at 0835 (May 19). Got up early again and was surprised to

find a signal there while checking out the bands. It's not quite strong enough for audio here but probably will be a little later. Got on the web receiver at Freemans Ranch Australia and found it weakly as well. Man and woman announcers, then music, and now what appears to be some canned announcements. 3275 and 3260 are also on but weaker. No 3325. Still a bit too early in PNG. (Dave Valko-PA)

7325, Wantok Radio Light. Hi Craig, Thanks for your email. Our Shortwave station was vandalized and it has been off for almost two years now. I am not able to give an exact date on when we will be able to restore this service. The damage to the shortwave transmitter station was extensive and as a self-supporting non-profit Christian radio station we don't have the finances now to order new equipment to get the station back on. But we are determined to restore this service as soon as God supplies the finances. God bless, Billy Yasi, Wantok Radio Light. (Craig Seager-Australia/ARDXC)

PERÚ 4810.00, 0245-0250, 18.5, R Logos, Chazuta (p) reactivated Spanish talk. 15221. (Anker Petersen-Denmark/PlayDX) 4810, May 16, 0000, Radio Logos, Chazuta, Peru heard last night (May15/16) around midnight here in the middle of Europe. The signal was weak but clear with LSB. (Karel Honzik, CZE via HCDX/Shortwave Bulletin) Radio Logos was reactivated and I heard it signing on last Fri+Sat (May12+13) at 0902 and 0901. No signal at 0900 on Sun + Mon + Tue. I was listening via remote SDR in Edmonton CAN, because here in the middle of Europe it is not possible to receive signals from SA in the 60mb at 0900. It is possible later in the European evening when condx start at around 2300. (Karel Honzik, Czechia via HCDX/ Shortwave Bulletin)

5025, May 15, 2335, last night I heard a very good signal of Radio Quillabamba, Peru here in the middle of Europe: from May 15 at 2335 to May 16 at 0050 Radio Rebelde was silent on this frequency so I could listen to a long portion of Rosario on Radio Quillabamba until 0002 when IDs started (5 IDs within 1 minute!) followed by info programming, often mentioning Quillabamba. (Karel Honzik, CZE via HCDX/Shortwave Bulletin)

PHILIPPINES Reception of Radio Teos via FEBC Radio on May 1

1500-1600 on 11650 BOC Russian, fair (DX Mix-Bulgaria)

Radio Veritas Asia via two different txs, May 17:

1330-1357 on 11870 PUG Zomi-Chin 1400-1427 on 11870 PUG Hindi is CANCELLED 1400-1427 on 11880 PUG Bengali 1430-1457 on 11630 SMG Urdu 1430-1457 on 11870 PUG Telugu 1500-1557 on 15620 SMG Filipino (DX Mix-Bulgaria)

6115.02, R. Veritas Asia, Palauig. Mandarin service to EAs at 2130, talks and occasional songs, fair to poor signal, 18/4. (Wagner-Australia/ARDXC)

12010 // 15640 // 17820, R. Pilipinas, 0224, May 23. PBS news (telecommuting law approved by parliament, to improve traffic in Manila, etc.); "business news"; "regional news"; "DFA Online." It was back on March 21, that I last reported 17700 at this time period, instead of the current 12010. (Ron Howard-CA)

PIRATE (EURO) Dear EMR Listeners, Due to personal reasons EMR will be back on the air sometime later this year. All the best! (Tom Taylor, May 5)

"Former pirate Radio Caroline awarded broadcast license," says BBC News. Management intends to resume broadcasting from Radio Caroline's original ship, the "Ross Revenge." This time they won't have to stay in international waters to dodge British authorities. But the new Radio Caroline will still be on AM, using one of five new AM "community radio licenses" awarded by the UK government's Ofcom regulator, Ofcom's license to "Radio Caroline AM Broadcasting Ltd." Allows it to "broadcast a wide range of album music from the 1960s to the present day...It is for people aged 45+ in Suffolk and northern parts of Essex." You've probably heard about the 1960s-pirate radio scene in the UK, which was fictionalized in the 2009 "Pirate Radio" movie featuring Philip Seymour Hoffman and Bill Nighy. (It was subtitled "The Boat That Rocked.") The pirate movement (which involved multiple ships and operators) eventually spurred BBC Radio to launch its own full-time rock/pop music channel. (Tom Taylor NOW)

RUSSIA According to many DX-listeners, the delivery of letters and QSL-cards from foreign radio stations has sharply decreased this year. In addition, it is impossible to make a claim. Mail in Russia is not responsible for simple correspondence. Only registered letters can be tracked. Now every

letter or QSL card is a holiday. If this trend continues, then the number of radio amateurs in Russia. which, listen to foreign stations will be reduced. But, as they say, hope dies last. (Anatoly Klepov-RUS, RUSdx #924 via wwdxc BC-DX TopNews May 14)

7345, Radio Sakha, via Yakutsk, 0921-0940, May 22. Cute program of children calling in to the station and singing over the phone; am still not hearing 7295, as Wolfie, et al., have reported recently. (Ron Howard-CA)

SOLOMON ISLANDS 5020, SIBC, 1146-1200, May 10. DJ in Pijin; pop songs; several commercial announcements in English and Pijin for "Telekom"; usual evening devotional and full ID ("closing down for the day") and NA. 1200-1201; open carrier (dead air), till start of extended broadcast till 1246\*, with pop songs. As recently noted, today also had no frequent IDs for "Wantok FM," but instead brief generic spots for "fun radio," "best radio," etc., without any specific station ID. So, is this still a Wantok FM relay? (Ron Howard-CA)

SOUTH AFRICA Summer A-17 shortwave schedule of BaBcoCk relay RTÉ Radio One

1300-1700 on 15320 MEY English Sep. 3/17 Sunday Sport (DX Mix-Bulgaria)

SWAZILAND 3240, TWR, apre alle 0253 (May 2) con jingle e varie ID "This is TWR broadcasting", "This is TWR Swaziland", poi prog. religioso con inni. Buona 35443. (Giovanni Carboni-Italy/PlayDX)

TAIWAN Summer A-17 frequency change of Radio Taiwan International in Russian

1100-1200 NF 12030 TSH Russian, ex 11985 to avoid CRI

1100-1200 on 11985 URU Mongolian China Radio International (DX Mix-Bulgaria)

UNITED ARAB EMIRATES Summer A-17 shortwave schedule of BaBcoCk relays:

Trans World Radio Africa

0330-0345 on 11710 DHA Amharic Sun/Mon/Fri 0330-0345 on 11710 DHA Oromo Tue 0330-0345 on 11710 DHA Sidamo Wed/Thu 1300-1315 on 17680 DHA Afar Thu-Sun (DX Mix-Bulgaria)

UNITED KINGDOM Summer A-17 shortwave schedule of BaBcoCk relays:

British Antarctic Survey Annual Midwinter broadcast on Tuesday June 21, 2016:

2130-2145 on 5985 WOF to Antarctica English special program

2130-2145 on 6035 DHA to Antarctica English special program

2130-2145 on 7360 ASC to Antarctica English special program

(DX Mix-Bulgaria)

Special broadcasts of BBC World Service in DRM mode:

1330-1400 on 7215 WOF English Tue 1330-1400 on 9890 WOF English Tue 1330-1500 on 7215 WOF English Wed 1330-1500 on 9890 WOF English Wed 0730-0900 on 5905 WOF English Thu 0730-0900 on 7330 WOF English Thu (DX Mix-Bulgaria)

7300, HCJB R. Akhbar Mufriha, Woofferton, Arabic to NAf, fair at 2125 till s/off 2145, 24/4. (Wagner-AA 2131, fair level on 23/4 Australia/ARDXC) (Seager-Australia/ARDXC)

USA Updated schedule of RAE Argentina to the World via WRMI Okeechobee from May 22:

0000-0100 on 7730 Spanish Tue-Sat 0100-0200 on 9395 English Tue-Sat 0100-0200 on 11580 English Tue-Sat 0600-0700 on 7730 Japanese Tue-Sat 0700-0800 on 5850 English Tue-Sat 0700-0800 on 7730 English Tue-Sat 0800-0900 on 5850 Chinese Tue-Sat 0900-1000 on 5850 Japanese Tue-Sat 1100-1200 on 9955 Portuguese Mon-Fri 1300-1400 on 11580 French Mon-Fri 2100-2200 on 11580 German Mon-Fri 2200-2300 on 5950 Spanish Mon-Fri 2200-2300 on 11580 Italian Mon-Fri (DX Mix-Bulgaria)

#### Radio Tirana

2300-2400 on 5850 YFR English Mon-Sat tx#12 (DX Mix-Bulgaria)

Frequency change of World Harvest Radio International Angel 1 from May 7

1300-2000 NF 17815 English, ex 21610 as follows: 1300-1400 NF 17815 English Sat/Sun Brother Stair

1400-1500 NF 17815 English Sat Brother Stair 1400-1500 NF 17815 English Sun 1500-1600 NF 17815 English Sat/Sun 1600-1800 NF 17815 English Daily 1800-1900 NF 17815 English Mon-Fri Brother Stair 1800-1900 NF 17815 English Sat/Sun 1900-2000 NF 17815 English Mon-Fri Brother Stair 1900-2000 NF 17815 English Sun 1300-2000 on 21610 English back again from Sep.3 (DX Mix-Bulgaria)

The last VOA Radiogram via Greenville will be on June 17-18

0230-0300 on 5745 GB English Sun 0930-1000 on 5745 GB English Sat 1600-1630 on 17580 GB English Sat 1930-2000 on 15670 GB English Sun

From June 25, a program similar to VOA Radiogram will be broadcast only via WRMI Okeechobee, but with a new name and e-mail address:

2030-2100 on 11580 YFR English Sun 2330-2400 on 11580 YFR English Sun (DX Mix-Bulgaria)

WRMI moves to 9455 ex. 6855. Several days ago, WRMI had to discontinue broadcasts on 6855 due to interference with a US Army transmission on a nearby frequency. Now we have resumed our broadcasts on the new frequency of 9455 24 hours per day. The beam is toward the Southwestern United States and Mexico. (WRMI Facebook page 27 April/British DX Club)

FCC construction application for DRM transmitter in New Jersey. Turms Tech LLC has applied for a license for a 10 kW DRM transmitter to be located in Alpine, New Jersey with the antenna on an existing radar tower. We will report further on this as information is available, but at this point it looks like their target is Europe and the Middle East with "broadcast and data". This tower is adjacent to the famous "Armstrong Tower" used by Edwin Armstrong during the early days of modern FM radio. Thanks to our astute DRM Brother Benn for this historic tidbit! (Ron Hunsicker-PA)

9925, Mighty KBC's weekly broadcast to North America on Sundays at 0000-0200 moves to a new frequency 9925 (ex 6145) from 7 May, still via Nauen. Contact: themightykbc@gmail.com or Argonstraat 6, NL-6718 WT Ede, Netherlands. (Alan Roe, Allen Dean-UK/British DX Club)

WMLK Update: We are continuing to meet the demands of the insurance carriers. They are evaluating our damage requirements and hopefully we will realize a good outcome overall financially (pray for this outcome). We are seeking a replacement and hopefully will be able to inform everyone of this ASAP! Thank you for your prayers and interests in WMLK Radio! (April 21) We are still waiting on the insurance company to make the payouts for the WMLK Radio station and equipment damage. We will keep everyone apprised of the progress as soon as possible. Progress is being made! Pray for the release of insurance payouts due! (May 18) (WMLK Facebook)

VANUATU 7259.94 R. Vanuatu, Port Vila. In Bislama at 2115, weak signal, 24/4. (Wagner-Australia/ARDXC) Very good with talk in Bislama about planning and zoning at 0820, 11/4 (Adams-Australia/ARDXC) 7259.96, R. Vanuatu, 1310, May 10. Not heard for the last few days, but decent reception today; seemed reports relating to tropical cyclone Donna; 1332 clear ID "Radio Vanuatu, Voice of Bong Yumi". (Ron Howard-CA)

**VATICAN** Upcoming frequency changes of Vatican Radio effective from May 7:

0040-0100 NF 11730 SMG Hindi till Sep.2, ex 9515 0040-0100 on 9515 SMG Hindi on air from Sep.3 0100-0120 NF 11730 SMG Tamil till Sep.2, ex 9515 0100-0120 on 9515 SMG Tamil on air from Sep.3 0120-0140 NF 11730 SMG Malayalam till Sep.2, ex 9515

0120-0140 on 9515 SMG Malayalam on air from Sep. 3 (DX Mix-Bulgaria)

Schedules, news and other information about short-wave 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

Shortwave pirate broadcasting continued at a very brisk pace once again during the past month. Pirate broadcasting inevitably increases around major North American holidays. June is relatively bereft of holidays. But, you ought to make your plans to listen to the increased pirate broadcasting activity that is certain to appear around the Fourth of July, which this year falls on Monday, July 4, 2017. Every year there is increased pirate radio activity on shortwave, both on the Fourth of July itself and during adjacent weekend days. That situation is reinforced this year by Canada Day, which in 2017 is on Saturday July 1.

One downside is that the forthcoming beginning of summer 2017 creates rising static levels on the shortwave bands. Summer storms move us entirely out of the winter DX season.

Pirate busts by the FCC during the past month were about usual this month in volume. A handful of FM pirates recently were confronted by FCC sanctions. Jay Peralta of Corona, NY received a Notice of Apparent Liability for operating a radio on frequencies assigned to the New York City police department and was fined \$404,166. an unusually large fine. Sergio Plasencia of Miami, FL received a Notice of Apparent liability for operating a pirate called "The Vibe Classic Hip-Hop" on both 101.9 MHz and 107.3 MHz. Since Plasencia ignored multiple Notices of Apparent Liability for various "The Vibe" frequencies, the FCC fined him \$144,344. Vearl Pennington and Michael Williamson of Morehead, KY were repeatedly cited for failing to renew the license for their low power TV station on channel 10 over a period of twelve years, and were therefore fined \$144,344 for a repeated "egregious" violation. Nelson Quintanilla of Panorama City, CA appealed his previous citations for operating FM pirates, but his appeal was denied and he was fined \$25,000. Rubena Hemmings of Bronx, NY received a Notice of Unlicensed Operation for operating a pirate on 102.5 MHz. Benjamin Klein, George Fontan, and Steve Marks, all of East Orange, NJ, each received a Notice of Unlicensed Operation for operating a pirate on 94.3 MHz. Sean Marshall of Mount Vernon, NY received a Notice of Unlicensed Operation for operating a pirate on 98.9 MHz in Bronx, NY. None of this month's enforcement actions by the FCC involved shortwave pirates.

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.

Captain Morgan 6850 0203 5/6/17 poor. Prgm of weak mx. (Taylor-WI)

Cool AM R. 6850 0043 4/24/17 fair. Ancd as a relay bcst. (Taylor-WI)

Cool AM R. 6850 0112-0230\* 5/13/17 fair to good. Prgm, of rock mx ancd as a relay bcst. (Taylor-WI)

Ion R. 6925.1 0032 5/8/17 poor. Prgm of blues and classic rock mx w/CW IDs and SSTV image. (Taylor-WI)

Hot R. 6850 2333 4/29/17 fair to poor. Prgm of opera and rock mx w/OM ancr. (Taylor-WI)

**Hot R.** 6900.4 0050 5/6/17 poor to fair. Prgm of rock mx. (Taylor-WI)

**KDST** 6935 0202 4/27/17 very good. Audio from video game mixed w/parody ads. (Taylor-WI)

**Liquid R.** 6925.1 2349 4/27/17 poor to fair. Prgm of contemporary dance mx. (Taylor-WI)

**Liquid R.** 6925.1 0043 5/1/17 poor. Prgm of contemporary dance mx. (Taylor-WI)

**Liquid R.** 6925 0027 5/2/17 weak but clear. Prgm of trance & techno mx. (Taylor-WI)

**Liquid R.** 6925 0343 5/13/17 very poor. Prgm of contemporary dance mx. (Taylor-WI)

Pee Wee R. 6939.6 0019 5/6/17 fair. Prgm of hard rock mx w/SSTV image at close. (Taylor-WI)

Pee Wee R. 6955 0233 5/13/17 fair. Prgm of rock mx w/SSTV images. (Taylor-WI)

R. Cinco de Mayo 6935 0022 5/2/17 fair. Prgm of ranchera Mexican mx. (Taylor-WI)

R. Cinco de Mayo 6935 0022 5/2/17 fair. Prgm of ranchera Mexican mx. (Taylor-WI)

R. Free Mars 6949.6 0012 5/1/17 fair to poor. Prgm of contemporary dance mx. (Taylor-WI)

**R. Free Mars** 6949.6 0050 5/1/17 S7 but poor in storm noise. Prgm of classic rock mx. (Hauser-OK)

R. Free Whatever 6940 0100 5/7/17 S8 in noise. Dick Weed w/rock mx prgm. (Hauser-OK)

R. Free Whatever 6850t AM 0100 4/27/17 S8 in noise. Dick Weed w/rock mx prgm & Soviet Union NA. (Taylor-WI)

**R. Illuminati** 6850t AM 2307 4/27/17 S9 in noise. Prgm of "pirate mx." w/no clear ID. (Hauser-OK)

**Recycle R.** 6925.1 0003 5/6/17 fair w/fades. Prgm of Jethro Tull & other rock mx. (Taylor-WI)

The Crystal Ship 6870 0103 5/13/17 fair w/fades. Prgm of oldies rock mx. (Taylor-WI)

Unknown Name R. Network 6850 AM 2330-2343 4/27/17 poor. Prgm of mellow electronic mx. (Taylor-WI)

Unknown Name R. Network 6850t AM 2307 4/27/17 S9+5 in noise. Prgm of "pirate mx" w/ ID not definitely copied in QRN de electronic fence. (Hauser-OK)

Unknown Name R. Network 6900t AM 0010 4/27/17 S8. Prgm of country western mx w/ ID not definitely copied. (Hauser-OK)

Unknown Name R. Network 6850 AM 0048 4/27/17 fair. Prgm of mellow electronic mx. (Taylor-WI)

**Unknown Name R. Network** 6850 AM 0211 5/3/17 poor to fair. Prgm of vintage electronic mx. (Taylor-WI)

**Unknown Name R. Network** 6888 AM 0000 5/6/17 weak. Prgm of electronic mx. (Taylor-WI)

Wolverine R. 6950 0027-0134 4/30/17 very good. A mix of very old pop mx and rock tunes, w/SSTV image at close. (Taylor-WI)

**Wolverine R.** 6950 0111 4/30/17 S9+10. Prgm of mx. (Hauser-OK)

YHWH 7615 AM 0456 4/27/17 poor. Usual religious prgm. (Hauser-OK)

YHWH 7615 AM 0437 4/28/17 S9. Usual religious prgm, still on often despite 2014 bust. (Hauser-OK)

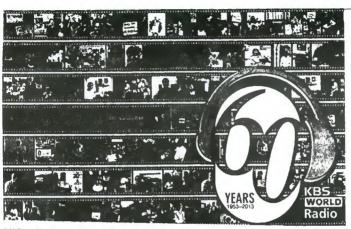
YHWH 7615 AM 0445-0451 4/28/17 S9. Cut and paste religious prgm by 0M w/last few minutes live. (Salmaniw-BC)

YHWH 7615 AM 0410 5/4/17 S8 but very poor. Usual religious prgm. (Hauser-OK)

**YHWH** 7615 AM 0409 5/5/17 S7-S9. Usual religious prgm. (Hauser-OK)

YHWH 7630 AM 0409 5/8/17 S5 but poor. Usual religious prgm. (Hauser-OK)

YHWH 7615 AM 0410 5/13/17 fading in & out. OM preacher w/religious prgm. (Taylor-WI)



ARMENIA: Radiofreinde NRW via Noratıs 6145 The station verified their German langlage program from the broad cast NRW camp at Holzerbachtal in Germany. I rovd. a f/d QSL cd. and a nice ltr. in 105 ds. plus a beautiful NRW coffee muq! (Roe-UK).

AUSTRALIA: VL8A 4835 via Alice Springs / VL8K 2485 via Katherine / VL8T 2325 via Tennant Creek All 3 stations verified a report to the ABC Reception Advice in 39 ds. including statistical information about each station. Report was sent to: Advice.Reception@abc.net.al. (D'Ang-AUSTRIA: WHK Radio Japan 5975 via Moosbrunn Full data card in 39 elo).

days. The card features a tourist steam train and is captioned "En-

joying the Satoyama (Chiba Pre-

fecture). (Roe-UK). BULGARIA: The Mighty KBC 9400 email QSL in Microsoft.docx format in one day from Eric van Willegen for a rpt. to: themigh tykbc@gmail.com with attached video clip of reception in .avi format. (Roe-UK). End Times Coming Ministries 9400 via Sofia The station verified my email report in 6 days w/ a short email reply from James G. Battell who indicated that he and his father are the only father and AND LISTEN TO son Christian ministry in the UK (and possibly Europe too) that ANDY WALKER have a seven day a week shortwave radio ministry outreach to the world. And coming this Octo-& CHANNEL Z RADIO ber they will celebrate their 4th anniversary. (D'Angelo-PA). GERMANY: Radio Ohne Nameri 6070 via Rohrbach email QSL in .jpg format in 8 hours for an email rpt. **QSL #266** to:radio.on@gmx.de (Roe-UK). Richard D'Angelo

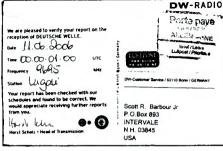
European Music Radio 6045 via Namen email QSL in .doc (Word) format in 12 days for an email report to: emrshortwave@gmail.

April 2, 2014

0048-0111 UTC

6150.5 kHz

Commando 25 watts



com. (Roe-UK). SuperClan Radio 6070 via Rohrbach email QSL in pdf format in 26 days for an email report to: superclanradio @yahoo.com (Roe-UK).

ROMANIA: Radio Romania International 13580 QSL card arrived in 116 days for an email report to: engl@rri.ro The front of the

QSL displays "The Union Square in Timisoara". (Roe-UK). SOUTH AFRICA: NHK World Radio Japan 11800 via Meyerton The station

verified my email report w/ a f/d "Enjoying the Satoyama" card in 42 ds. Included in the package was a program schedule, a brochure on the English language service and an Easy Japanese Guide. (D'Angelo-PA).

SWAZILAND: Trans World Radio 3240 via Manzini The station verified my email report w/ a f/d PDF attachment, program schedule and Psalm 139 in 10 days from v/s Lorraine Stavropoulos. (D'Angelo-PA)...Lorraine has been at TWR for quite a while...Sam.

TAIWAN: Radio Taiwan International 9735 via Paochung The station verified my email report w/a postal reply in 38 ds. and an RTI English schedule. (D'Angelo-PA).

TURKEY: Voice of Turkey 5960 The QSL card arrived in 6 weeks for an email report to: englishdesk@trt.net.tr Also received another of their very nice holographic-style coasters and a mini 2017 calendar.

STATION NOTES: Deutsche Welle 9865 via Cypress Creek Email: info@dw-world

de KVOH 5920 v/s A. Robinson, Chief Engineer. Radio Financial Survival 2000 7415 via WBCQ v/s Mrs. Marion Lind Radio Taiwan International 15190 via WYFR Addr: Radio Taiwan, P.O. Box 24-38, Taipei106. WINB

### PUBLIC RADIO OF ARMENIA

Alex Manageres St. S. Yersvan 375025, Republic of Armenia phone: (374-10) 55-15-43 fax: (374-10) 551-143

#10. 06 2006.

Richard a. D'Angelo 2216 Burkey Drive Wyomissing, PA 19610

Dear Richard,

It was a great pleasure for us to receive your reception report on one of the English programs broadcasted from Yerevan. We are very grateful to you for that

On April 8 we referred to your letter in "Our Mailbox", one of the most famous programs of the Voice of Armenia.

Thank you very much for your interest towards Armenia and Armenians.

Dear friend, it was pleasant to be informed that you write feature articles for the North American Shortwave Association.

Attached we send you the schedule of our programs (summer time) where you may find the necessary information about the times and the frequencies of all the programs broadcasted by the Voice of Armenia. Together with the program schedule you may also find the QSL card of our station, and the history of the "Voice of Armenia". We hope that you will pass it to North American Shortwave Association.

Dear Richard, accept our warmest greetings and the best wishes

With best regards

General Director

Awall

Armen Amirian

x 24-38, Talpellob. Wine
13570 v/s Fred W. Wise.
WEB: www.winb.com Addr:
2900 Windsor Rd., P.O.
Box 88, Red Lion, PA
17356 Email: Info@winb.
com WRNO 7505 Addr:
WRNO Worldwide, P.O.
Box 895, Fort Worth, TX
76101 WWVH 5000 Addr:
Radio Station WWVH, P.O
Box 417, Kekaha, Hawaii
Email: wwvh@nist.gov..
via PLAY DX...Sam.

(Roe-UK).

\* Radio Japan f/d QSL in one month for an online report. The face side of the QSL features a scenic view and it is captioned "A Fog Rolled Over the Woods (Ibaraki Prefecture). (Roe-UK).

Only one QSL left but I will hold it for next month. Best of QSLing...

xam

# Contributors' Page

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

The following members sent in contributions:

Ed CICHOREK, Somerset, NJ Rich D'ANGELO, Wyomissing, PA Mick DELMAGE, Brandon, MB Jerry ERVINE, Mission, TX Jim EVANS, Germantown, TN John FIGLIOZZI, Sarasota, FL

Glenn HAUSER, Enid, OK Vince HENLEY, Anacortes, WA

Ron HUNSICKER, Wyomissing, PA Ralph PERRY, Wheaton, IL Alan ROE, Teddington, UK David TURNICK, Sinking Spring, PA RX340, R8B, E1, E5, DX Sloper, Mini-Windom, FL3, ANC4
Eton E100, V-shaped random wire
Icom R75, Tecsun 660, AOR LA380 loop
R75, ICF-SW7600G, Perseus, Eavesdropper, randomwire
HF150, off whip poolside in middle of lake away
from condos
FRG-7, DX-398/ATS-909, YB400, ICF SW-07
PL-380, NRD-525, R8B, ICF-2010, RX-340, AlphaDelta DX Ultra, whip
no equipment listed
R8B, NRD-545, E1, 355' bi-dir LW
Winradio G31 Excalibur, ELAD FDM-S2 17m long wire

RX340, WinRadio G31DDC, Alpha Delta DX sloper,

IC-R-75, SW-8, ICF-2010, Eavesdropper

2000-30000 kHz

# Loggings

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49m dipole

- 2500 UNITED STATES WWV in EE. Standard time signal. // 5000, 10000 and 15000, with strong signals and clear reception. Nothing heard on 20000 or 25000 on this date and time. I use the standard time signal stations and the Amateur Radio beacon network as a measure of propagation on any given date and time. It's a useful and reliable quick check on what is likely to be heard from where. (Henley, WA)
- 3955 UK BBC WS, Woofferton, 04/29, 0540. English. Weekend (Report on Donald Trump's first 100 days). DRM:29dB. (Roe-UK)
- 3965 FRANCE Radio France Int'l, Issoudun, 04/29, 0600. French. News report including extended reports on French Presidential election. 12dB. (Roe-UK)
- 3985 **GERMANY** *Radio Belarus*, Kall, 04/25, 2205. German. News read by a woman followed by Music Box (an instrumental song with traditional instruments). 55444. (Roe-UK)
- 3985 GERMANY Radio Slovakia Int7, Kall, 04/17, 1903. English. Feature about Easter traditions in Slovakia. 45433. (Roe-UK)
- 3995 **GERMANY HCJB Deutsche**, Weenermor, 04/25, 2110. German. Gospel Country music and other Christian songs. 55444. (Roe-UK)
- 3995 **GERMANY Life FM**, Weenermore, 05/03, 2215. English. Rebroadcast of Life FM programs with Christian religious programming. 45444. (Roe-UK)
- 4774 PERU Radio Tarma, Tarma, 1039-1043. Man talking in Spanish, forcefully delivered as in a lecture or sermon. Weak to moderate signal with fading, heavy static from approaching storms, and some minor CODAR interference. 4/17/2017 (Evans TN)
- 4810 ARMENIA Armenia National Radio, Yerevan, 04/10, 1825. Arabic. Weak signal was just audible. Local music and some female talk. Off at 1845UT. 15431. (Roe-UK)
- 4824 **PERU** La Voz de la Selva, Iquitos (presumed), 1051-1055. Music occasionally heard peaking just above the noise from a very weak, threshold level signal fighting static from storms. 4/17/2017 (Evans TN)
- 4875 BRAZIL Radio Difusora Roraima Boa Vista, 0306-0401\* Apr 22, program of Brazilian pop vocals hosted by a man announcer with Portuguese talk, announcements and IDs. Closing

- announcements at 0357 followed by choral National Anthem. Another ID and more announcements until carrier terminated. Fair. (D'Angelo-PA)
- 5020 SOLOMON ISLANDS SIBC Wantok FM at 1241 UTC April 30 with usually pop music and Wantok imaging. Abrupt off at 1245 UTC. (Delmage, AB)
- 5025 CUBA Radio Rebelde, Bauta, 04/22, 0345. Spanish. Spanish ballads. 35322. (Roe-UK)
- 5040 **CUBA Radio Havana Cuba**, Bauta, 04/22, 0300. Spanish. Some gentle Cuban ballads with a female presenter. 35333. (Roe-UK)
- 5875 **THAILAND** *Radio Thailand*, Udon Thani, 1122-1127. Talk in Cambodian by a man. Moderate strength signal with minimal fading. 4/17/2017 (Evans TN)
- 5910 COLOMBIA Alcaraván Radio Puerto Lleras, 0320-0345 Apr 29, a man announcer with long religious talk in the Spanish language. A male vocal selection followed at 0332. Fair signal. (D'Angelo-PA)
- 5950 **ETHIOPIA** Voice of Tigray Revolution Addis Ababa (presumed), missed opening music and announcements but caught music features hosted by a woman announcer in presumed Tigrinya language. Some Horn of Africa music but most wasn't. Usual news at 0330 was replaced my music tonight. Poor to fair. (D'Angelo-PA)
- 5965 CHINA China Radio Int 7 in RR. April 15, 2017, 1546 1554. M & F announcers, some pop MX, but mostly talk. Modest QRN/QSB. (Henley, WA)
- 5965 CHINA China Radio Int'l from Beijing in RR. April 8, 2017, 1514 1518. F announcer in RR, news and commentary. Relatively poor signal. Some ad-like announcements at 1516. Rapid QSB and increasing QRN. Mixed M and F commentators with a sort of "bumper MX" between comments. (Henley, WA)
- 5975 AUSTRIA NHK Radio Japan, Moosbrunn, 05/07, 0500. English. News and Friends Around the World. 55444. (Roe-UK)
- 5995 NEW ZEALAND. Radio New Zealand Int T in EE. April 12, 2017, 1421 1431. Decent signal with modest QRN and steep, rapid QSB, nearly a flutter. M & F anchors, commentary, news and interviews. (Henley, WA)
- 5995 **NEW ZEALAND** *Radio New Zealand IntT* in EE. March 28, 2017, 1445 1502. Heavy QRN, rapid QSB and not quite pleasant listening. M announcer, pop MX vocals by "Words." Signal deteriorating. Blues MX follows with "I've Got a Woman." Time pips at top of hour, ID and news with M news reader, possibly Lloyd Scott. Talk of Trump's regulatory actions "ignoring" global warming. (Henley, WA)
- GERMANY Radio Tirana, Kall, 04/24, 1900. English. A welcome back to R Tirana English short-wave program via the facilities of shortwaveservice. News; Press Review; and Albania in a Week. This was followed by some music, and then a short feature about Cultural activities (including talk about an Albanian violinist and a theatre review). Sport roundup (football) concluded the broadcast. Quite heavy QRM from Brother Stair via Bulgaria on 6000kHz. 32332. (Roe-UK)
- 6020 ALBANIA Radio China Int'l, 0000-0005, 4-20-17. News in English by M, Testing of unmanned spacecraft for use in future Chinese space station. 0005, Language Café program. Good signal. (Cichorek-NJ)
- 6025 CHINA TIBET. *PBS Xizang* (CNR11), Lhasa-Baiding 602, 2335-2400. Talk in Tibetan by a woman. Vocal music at 2350 followed by instrumental music. Initially weak signal improving to moderate around 2348, then down again by 2400. Carriers noted on other Tibetan frequencies, but no audio. 4/27/2017 (Evans TN)
- 6025 **BOLIVIA.** Red Patria Nueva, La Paz (presumed), 2354-2357. A few words of talk in Spanish heard under CNR 11 via Tibet. Very weak signal, soon lost in slop from Cuban jammer on 6030 starting at 2357 in preparation for Radio Marti signon. 4/27/2017 (Evans TN)
- 6030 CANADA CFVP, Calgary, AB domestic broadcast in EE. April 15, 2017, 1445 1503. Weak signal, but readable, better on outside antenna and RX-340. Stand-up comedy routines, one after another. ID as "Calgary's Favorite Radio Station." Slight QSB, significant QRN, (Henley, WA)
- 6050 **ECUADOR** *HCJB*. 0006-0011, 4-20-17. Program of indigenous vocals in Cofan language of NE Ecuador.Man with brief talk then more vocals. SIO222. (Cichorek-NJ)
- 6055 JAPAN Radio Nikkei, First Program, domestic broadcast in JJ. April 12, 2017 1403 1415. Significant QRN and QSB, but listenable. Mostly pop MX, including some MX in EE. (Henley, WA)
- JAPAN Nikkei Radio 1 in JJ. April 5, 2017, 1445 1500. Domestic broadcast. Jazzy rock MX, good vocals. M announcer with various items and then off air at 1500. Relatively poor signal, but listenable with very slight QRN and QSB. (Henley, WA)
- MADAGASCAR AWR May 15 at 0325 talk in unID language, 0330 song, poor. Must be AWR in Malagasy this hour, 100 kW at 20 degrees per HFCC. They better watch out: if KIMF ever gets on the air from Nevada, it's registered for 6065 at 01-06, 50 kW at 138 degrees in Spanish. And will VOH Zambia ever come back on 6065 in mornings? (Hauser-OK)
- 6070 GERMANY From The Isle of Music, Rohrbach, 05/02, 1900. English/Spanish. Cuban Jazz music in honour of Jazz Appreciation Month (April), and Int'l Jazz Day (30 April). 45333. (Roe-UK)

- GERMANY Radio Ohne Namen, Rohrbach, 04/12, 0705. German. Great selection of 30's German 6070 bigband music. 45333. (Roe-UK) 6080 CHINA CNR1, Geermu/Golmud, 2329-2335. Talk in Chinese by a man and a woman with an occasional few bars of music. Very weak signal with moderate fading. 4/28/2017 (Evans - TN) CHINA Tentative ID of China Radio Int 7 in CC. April 12, 2017 1352 - 1400. Modest signal with 6105
  - some QRM from another unidentified station. M & F announcers, with very animated pop MX. Time pips at top of hour, off air at 1400. (Henley, WA) BRAZIL Radio Aparecida, 0051-0126 May 2, man announcer with Portuguese language talk
- 6135 hosting program of vocals. Poor. (D'Angelo-PA) 6135 KOREA SOUTH [and non] Voice of Freedom, May 18 at 1224, noise and rapid tone jamming, trace of program under, from Voice of Freedom. Ivo Ivanov and Ron Howard report that VOF has registered two alternate frequencies, 6020 and 5920, where it has been testing sporadically,
- but neither heard at this moment (Hauser-OK) 6145 CHINA Qinghai 1 domestic broadcast in CC, on their usual listed frequency. The ID, even in CC, seemed pretty clear. April 5, 2017, 1526 - 1533. M & F announcers in conversational/interview format. Much jocularity and laughter followed by what seemed to be advertisements for various products. News items at 1530. Very light QRN/QSB. (Henley, WA)
- 6145 CUBA Radio Habana Cuba May 19 at 0543, RHC English is just barely modulated on S9+10 signal; 6100 is VG at S9+20/30; 6060 is S9 to S9+10, but sounds much weaker during storm noise, somewhat undermodulated; 6000 is S9+20 with sufficient mod (Hauser-OK) 6155 AUSTRIA Radio Austria Int, Moosbrunn, 04/26, 0530. German. Selection of classical music pieces with female presenter. 55444. (Roe-UK) 6160 CANADA (Newfoundland) CKZN 0459 UTC May 2 CBC Radio One promos followed by News at
- 0500 UTC Poor (Delmage, AB) 6160 CANADA CKZN, 0002-0005, 4-21-17. News lead by woman in English. Trump's comments on the Paris terror attack, at 0004 casual ID followed by local WX report. SI0333. (Cichorek-NJ) 6185 MEXICO Radio Educación - Mexico City, 0356-0422 May 6, man and woman announcers with Spanish language talk hosting news magazine with various remote reports. Nice ID at 0402.
- Poor to fair. (D'Angelo-PA) FRANCE Radio France Int, Issoudun, 04/08, 2010. French. Musiques du monde featuring Afro-7205 electro music. 35333. (Roe-UK) 7220 ROMANIA Radio Romania Int, Tiqanesti, 04/25, 1840. German. Classical music feature. 25dB. (Roe-UK) 7240 CHINA PBS Xizang, Lhasa, 04/15, 2030. Chinese. Easy listening instrumental melodies with
- ann by OM. 34333. (Roe-UK) 7280 VIETNAM Voice of Vietnam, Hanoi, 04/15, 1900. English. News and Saturday Report followed by Weekend Music featuring a Ca trù (Vietnamese chamber music) song. 45433. (Roe-UK) 7330 ROMANIA Radio Romania Int, Tiganesti, 05/07, 0535. English. World of Culture: New book
- ("Bucharest and Literature"); Roots: Weaving hazlenut tree twigs. 23dB. (Roe-UK) 7385 CHINA China Radio Int 7 in CC. April 3, 2017, 1502 -1510. This could very likely be CRI jamming of Radio Taiwan Intl on the same frequency, although I could not detect RTI underneath the CRI signal. Very strong and clear signal, news items with M anchor. (Henley, WA) 7410 CHINA China Radio Int? in JJ. April 12, 2017, 1348 - 1352. F announcer with what appears to
- be a language lesson. Excellent signal, slight QSB. (Henley, WA) 7410 CHINA China Radio Int 7 in JJ. April 15, 2017, 1540 - 1545. Pop MX, F commentator, excellent signal with no QRN and barely noticeable QSB. (Henley, WA)
- CHINA China Radio Int 7 in JJ. April 3, 2017, 1445 1501. Quite excellent signal, F announcer 7410 with quite nice MX. Contact and ID information given in JJ. Easy listening, no QRN or QSB.
- Melodious MX, news at top of hour with F anchor. (Henley, WA) CHINA China Radio Int 7 in JJ. April 5, 2017, 1519 - 1525. Fannouncer for the most part, but there 7410 was one M announcer with the EE phrase "Let's begin now." Classical MX in background. Contact

and ID information given, slight QSB, no QRN. Vocal MX with M voices with what sounded like a ceremony of some sort. Return to F announcer for continuation of programming. (Henley, WA)

- 7410 CHINA China Radio Int 7 in JJ. March 28, 2017, 1503 - 1510. Very strong and excellent signal with virtually no QRN or QSB. F news reader, followed by M & F announcers with a Chinese/ Japanese language lesson. (Henley, WA) 7440 THAILAND Voice of America, Udon Thani, 2341-2348. Talk in Burmese between two men, joined
- by a woman at 2345. Moderate strength signal with minor flutter. Much weaker parallel noted on 6040. 4/28/2017 (Evans - TN) 7465 SINGAPORE BBC, Kranji, 04/08, 1650. Dari. Some very nice modern mid-eastern music. 45333.
- (Roe-UK) 7465 SINGAPORE. BBC WS in mid-Asian language, probably Pashto. Strong signal. April 15, 2017, 1517 - 1539. Much mention of Pakistan, BBC ID within MX bumpers, interviews, news, and commentary. (Henley, WA)

- UNIDENTIFIED.March 28, 2017, 1534 1601 F announcer speaking in what sounded like a middle-eastern, or Arabic related language. She conducted interviews with various men, always men, no women. Very strident interviews in a "man-in-the-street" format. This clearly wasn't BBC from Singapore. There was a session of what sounded like sign-off and contact information at 1559. Change of format, power, antenna direction, and language at 1600. M announcer after language switch and decline of signal. I was never able to positively identify this station although it was quite listenable before 1600. (Henley, WA)
   MOLDOVA Radio Payame-Doost Griporional 04/06, 1814, Farsi Female announcement followed.
- MOLDOVA Radio Payam e-Doost, Grigoriopol, 04/06, 1814. Farsi. Female announcement followed by Pink Floyd's "Another Brick in the Wall". Then talk by woman and man including contact details. 45433. (Roe-UK)
- 7550 INDIA All India Radio, Bengaluru, 04/15, 2050. English. Regional Folk Song. 55444. (Roe-UK)
  7850 CANADA CHU in EE and FF, standard time signal. April 16, 2017, 0318 0322. See 14670. Good reception on this frequency at this time. Slight QRN, no QSB. Not audible on 14670 at this time. Alternating EE and FF time announcements. CHU web site states that CHU on 3330 is temporarily out of service. (Henley, WA)
- 9395 UNITED STATES RAE Argentina via WHRI in English 0146 UTC May 3, Multi language ID at 0153 UTC with mention of WHRI relay and request for reports for special numbered QSL cards. WHRI ID and pop music from 0155 UTC. Excellent (Delmage, AB)
- 9400 BULGARIA *The Mighty KBC*, Sofia, 05/06, 1500. English. Pop/rock oldies including the Forgotten Song "No More Mr Nice Guy" by Alice Cooper. 45333. (Roe-UK)
- 9445 INDIA All India Radio at 2115 UTC with Indian music April 29. Good (Delmage, AB)
  4808 ASCENSION, Voice of America, 2153-2159, 4-25-17. Woman in listed Bambara language with
- monologue .At 2156 drums and whistles followed by several rapid fire speakers followed by indigenous vocal. Transmission ended abruptly at 2159. SIO444.

  80MANIA Radio Romania Int, Tiganesti, 04/08, 1630. French. Traditional music program presented by a female including two flute songs and some female vocal songs. 55555. (Roe-UK)
- 9515 KOREA, SOUTH KBS World Radio, Kimjae, 05/06, 1615. English. "Touch Base in Seoul" and "KBS Listeners Lounge" just barely audible. 15431. (Roe-UK)
- 9525 INDONESIA Voice of Indonesia 1357 UTC May 2 with English sign off and contact information before going into Indonesian programming just past 1400 UTC. Poor but readable. (Delmage, AB) Also noted May3 with English programming at 1300 UTC. Fair for over half a hour. (Delmage, AB) INDONESIA Voice of Indonesia, Jakarta, 04/26, 1835. German/English. News; Indonesian
- Wonder (a tourism feature about a lake in Central Java province). 45333. (Roe-UK)

  MADAGASCAR NHK, May 15 at 0337, NHK in Swahili with big hum and wavering whistle, carrier wobbling but S9+30. This Talata unit is really ailing, also accompanied by S9 parasitic spur carriers without modulation very close to 9555 & 9565, the latter vs Cuban jamming still running
- long after Martí is finished. NHK normally loud and clear here (Hauser-OK)

  MOROCCO Medi 1, Nador, 04/26, 2120. French. Les Nocturnes avec Jawad and modern pop songs.

  45433 (Roe-UK)
- 45433. (Roe-UK)
   9575 MOROCCO (Spanish) Radio Medi Un Nador, 2332-0000 Apr 18, rare appearance for this one with decent signal today with Arabic language discussion. Woman announcer with station
- ID and announcements at 2358 followed by a man with news. China Radio Int'l from Albania opened on 9570 at 0000 covering channel with slop. (D'Angelo-PA)

  ROMANIA Radio Romania Int, Galbeni, 05/02, 0530. English. The History Show (The Communist Regime and the Free Press focusing on intimidation of R Free Europe); Roots (about traditional
- Regime and the Free Press focusing on intimidation of R Free Europe); Roots (about traditional Romanian adornments and jewelry). 55444. (Roe-UK)

  GUINEA RadioTV Guineenne, Conakry with fair but clear signal in French at 2150 with apparently a test transmission consisting of two males speaking at alternate times, a selection of
- tones, relatively lengthy periods of silence leaving an open carrier, Some upside QRM from Radio Algerienne on 9655 easily avoided by syncing to the Eton E!'s lower sideband. (Figliozzi, NY) GUINEA Radio Guinea, 2213-2215,4-25-17. Man in listed French followed by M&W in dialogue
- GUINEA Radio Guinea, 2213-2215,4-25-17. Man in listed French followed by M&W in dialogue with probable news items. SIO333. (Cichorek-NJ)
- 9650 GUINEA Radio Guinée Conakry, 2204-2229 May 7, finally a decent signal today (fair overall) with a man announcer hosting a French language news program, with several remote reports.
   Brief instrumental music at 2215 so maybe into news related features at that point. (D'Angelo-PA)
   9665 BRAZIL Radio Voz Missionária Camborió, 0022-0055 Apr 29, man announcer with long reli-
- gious talk in the Portuguese language followed by a male vocal selection.ID and announcements by another man as I tuned out. Poor to fair. (D'Angelo-PA)

  TAIWAN Radio Taiwan Int'l. 2318-2322, Man in listed Chinese with musical interlude.Poor.
- (Cichorek-NJ)

  9710 VATICAN NHK Radio Japan, SM di Galeria, 04/15, 1930. English. News followed by Short Story (part one of "The Last Letter"). 55444. (Roe-UK)

- 9730 **ROMANIA** *Radio Romania IntT* 0022 4/18/17 EE 0M w/Radio Newsreel -discussion in progress, the funding of novels and writing sources. MX, a selection of group vocals and instramentals. Open Studio-reading of mail and reception reports, telling about Easters. ID,. Vocal b y 0M. From India we go to Cuba report. Good MX throughout program. G. (Ervine-TX)
- 9785 TURKEY Voice of Turkey, Emirler, 04/07, 1840. English. News; feature "Turkey and European Union Relations". 45433. (Roe-UK)
- 9799 EGYPT Radio Cairo Abis, 2152-2221 Apr 23, noted with local instrumental music followed by a woman announcer with talk in the English language. More local vocals followed by bells at 2204 before ID and woman announcer opening next feature. Later back to musical programming. Good signal but low audio and off frequency too. (D'Angelo-PA)
- 9800 **EGYPT Radio Cairo**, Cairo, 04/29, 2025. French. Modern Egyptian music to 2030, followed by News read by a woman. At 2115, service signed on in English with some music followed by news at 2130 read alternately by a man and a woman. Strong carrier, but very low audio. 25432. (Roe-UK)
- 9820 CHINA CNR2, Xianyang, 2329-2330,4-25-17.M&W in Chinese, musical interlude and sounded like probable ID with music at 2330. Fair to poor. (Cichorek-NJ)
- 9875 TAJIKISTAN *Radio Free Asia*, 2332-2336, 4-25-17. M&W in listed Tibetan with dialogue. Poor with possible jamming. (Cichorek-NJ)
- 9915 ASCENSION BBC, 2131-2159,4-25-17. Program called "In the Studio" Woman in English interviewing an avant-garde artist from Brazil. Good signal with // on 11810 which was fair. (Cichorek-NJ)
- SWAZILAND TWR, Manzini, 04/13, 1930. VV/French. Talk by 0M in local language, then into French at 1935 with long talk by 0M. 44333. (Roe-UK)
   INDIA (GOA) All India Radio via Panaji site at 1510 UTC, May 7 in Pashto. music and talk.
- English News At Nine at 1530 UTC. Test tone at 1545 UTC then off. Good (Delmage, AB)

  UNITED STATES WRMI Okeechobee, 2305-2316 Apr 28, Jeff White hosting "Viva Miami" pro-
- gram featuring Keith Perron interviewing Mark Fahey about North Korea. Interesting program feature until 2315 when "Moments in Bible Prophesy began. Good signal. (D'Angelo-PA)

  11580 UNITED STATES RAE Argentina to the World, Okeechobee, 05/02, 2205. Spanish. Talk by man
- and woman with some Argentinian music and also lots of multilingual IDs. Later a long interview by a woman YL in studio with a man on phone. 45444. (Roe-UK)

  UNITED STATES Radio Slovakia Int? in Slovak via WRMI, Okeechobee, FL. April 10, 2017, 0017
- 0036. MX with choral singing, cultural programming, with interviews and MX. A good, strong signal, with interesting program material including popular MX Modest signal with significant QRN and a slight QSB. (Henley, WA)
   11635 CHINA China National Radio, 2247-2307 Apr 22, apparent jammer to Radio Taiwan Int'l includ-
- ing woman announcer with Chinese talk, several audio clips of men speaking all with Chinese radio flair/style. Wasn't sure who this was until ran into another outlet on 9685 at 2320 on Apr 24 //11635. Fair signal. (D'Angelo-PA)

  2ANZIBAR Zanzibar Broadcasting Corporation Dole, 2036-2059\* Apr 28, man announcer
- with Swahili language talks hosting a program of local vocals until closedown. Poor to fair.

  (D'Angelo-PA)
- 11810 ROMANIA Radio Romania Int, Tiganesti, 04/08, 1703. English. News and various features including RRI Encyclopedia (about Ethnographic sites in Romania) and All That Jazz (about Jazz artist Peter Hepworth-Hymer). 55555. (Roe-UK)
- ASCENSION ISLANDS *BBC World Service*, 2114-2147 Apr 18, woman announcer with station ID, "You are listening to the BBC World Service". A series of promotional announcements were heard. News by a woman announcer at 2130. Fair. (D'Angelo-PA)
- 11815 BRAZIL Radio Brasil Central Goiânia, 0104-0124 Apr 29, a man announcer with Portuguese language talks hosting a Brazilian pop music program. Several announcements and IDs at 0116 break. Poor to fair. (D'Angelo-PA)
- CUBA. RHC in SS. // 11760 and 11670. April 10, 2107 0010 0015. Strong and clear signal, MX and general announcements sports announcements, and news. M announcer with ID and other contact information. (Henley, WA)
- 11875 **ENGLAND IBRA Radio** Woofferton, 193601959\* Apr 22, man and woman announcer talking in some local African language; several IDs at 1944 followed by vocals and then more talk. Closed at 1959. Fair to good. (D'Angelo-PA)
- AUSTRIA Adventist World Radio, 2000-2008, 5-5-17. ID by woman in English followed by man in listed Dyula language. Pleasant flute instrumental. SIO233. (Cichorek-NJ)
- 11905 SRI LANKA SLBC, Trincomalee, 0138-0148. Hindi music with 30 seconds of talk by a woman at 0140. Weak signal with only minor fading, increasing in strength. 4/15/2017 (Evans TN)
- 11915 **SAUDI ARABIA** *Broadcasting Service of the Kingdom of Saudi Arabia* Riyadh, 2148-2201\* Apr 18, man with recitation followed by another man announcer with talk in the Arabic language which sounded like news although heard "Twitter" mentioned near the end. Another

- man with recitation at 2200 followed by brief Arabic language talk by a man before carrier was terminated. Good signal. (D'Angelo-PA)
- 11950 ROMANIA Radio Romania Int., Galbeni, 05/06, 1300. Romanian. program Verba Manent (including Archive music recordings). 55545. (Roe-UK)
- 11975 SRI LANKA AWR India, Trincomalee, 04/24, 1600. English. Christian music with Nature Talk (about The Wind) and a feature about God's Word. 35333. (Roe-UK)
- ASCENSION Dandal Kura Radio, Ascension, 04/24, 2027. Kanuri (listed). Horn of Africa music with short segment with woman presenter talking to a man. 35333. (Roe-UK)
- 12060 FRANCE Radio Algerienne, Chaine1 at Issoudun. 2021-2025, 5-5-17. Man in Arabic with call to prayer. SIO343.(Cichorek-NJ)
- 12125 ARMENIA FEBC in (p) Amharic 1630 UTC May 6 with "What A Friend We Have In Jesus" Interval Signal then talk. Fair with CODAR (Delmage, AB)
- 12140 NORTHERN MARIANAS *Radio Free Asia*, Saipan, 1236-1241. Talk in Cambodian by a man. Weak signal with minor fading. 4/30/2017 (Evans TN)
- 13580 BANGLADESH Bangladesh Betar, Dhaka, 04/23, 1845. English. Traditional Bangladeshi song followed by English/Western music. 45444. (Roe-UK)
- 13635 **TURKEY Voice of Turkey**, Emirler, 04/26, 0830. Turkish. Turkish ballads with talk/comments by YL presenter. 55444. (Roe-UK)
- CUBA China Radio Int 7 via RHC in Portuguese. Poor signal strength, with heavy QRN and modest QSB. April 9, 2017, 2354 April 10, 2017, 0000. MX and commentary, clearly targeting Brazil, the only PP speaking country in the region. Time pips at top of hour, off air and carrier gone at 0000. (Henley, WA)
- 13670 CHINA China Radio Int, Kashi, 04/08, 1305. English. Alight on Literature with a reading of a novelette "Autumn in Spring" by Ba Jin. 55444. (Roe-UK)
- 13740 CUBA Radio Havana Cuba, Bauta, 05/01, 2230. Spanish. Talk by man and woman with Cuban music inserts. 45433. (Roe-UK)
- 13740 **ROMANIA** *Radio Romania Int*, Tiganesti, 04/17, 1330. Russian. Romanian traditional songs with female presenter. 45444. (Roe-UK)
- 13740 CUBA China Radio Int 7 via RHC in EE. April 15, 2017, 1505 1516. Weak station, with heavy QRN and steep QSB. News with an anti-American slant, talk of tax reform in China, revised death count from massive bomb in Afghanistan, now up to 94 killed. (Henley, WA)
- 13740 CUBA China Radio Int 7 in EE. "Beijing Hour" via Radio Habana Cuba. March 28, 2017, 1516 1533. News items with M news reader. Bids for construction of wall on Mexican border, talks between cities on both sides of the border, ID at 1528, with contact and web information given. Decent signal, but with increasing QRN and QRN on this frequency. News and interviews supporting China and its accomplishments. (Henley, WA)
- 13740 CUBA China Radio Int I in EE via RHC. April 3, 2017, 1511 1519. Very poor and weak signal, not their usual powerhouse. Completely disappeared with QSB to the point of being unlistenable. (Henley, WA)
- CUBA Radio Rebelde, May 14 at 0328, Radio Rebelde music // 5025 instead of RHC programming, tnx to a tip from Richard Langley in Hawaii who was hearing 13740 only before 0300. I checked other RHC Spanish frequencies, 5040, 6060, 7340, 11670, 11840 and with different music they were // each other, but not 13740. 5025 itself is often absent in the evenings, but on tonight. Suspect 13740 just another SNAFU in feed routings, but we shall see if it happen again (Hauser-OK)
- 13760 CHINA China Radio Int, Kashi, 04/23, 1630. English. Alight on Literature a reading of the book "The Rape of Nanking" (a new day/time for this program). 55555. (Roe-UK)
- 13760 CHINA China Radio Int, Kashi, 05/02, 1820. English. Takeway Chinese, then Horizons. 55444. (Roe-UK)
- 14760 **CANADA CHU** in EE and FF, standard time signal. April 15, 2017, 1601 1614. Alternating time announcements in FF and EE. Slow QSB, heavy QRN. Reception for CHU is known to be difficult in the western provinces and in the Pacific Northwest, so I include it here as an indicator of propagation. (Henley, WA)
- 15100 CHINA China Radio Intl in Cantonese. April 9, 2017, 2329 2353. Good signal, strong and clear with little QRN or QSB. M & F announcers, but this is an unlisted frequency for CRI. There was one long harangue by a F announcer in Cantonese that was probably political in content. (Henley, WA)
- 15110 **THAILAND** Voice of America Thai relay with man in Mandarin battling CNR jamming to a draw, at least here in ECNA. Jamming consisted of man and woman talking in Mandarin followed by musical fanfare and other announcements. SINPO 42533 at 1320 on 4/9/17. (Figliozzi, NY)
- 15120 NIGERIA Voice of Nigeria, Abuja, 04/08, 1800. English. Africa Hour (News then continuing with an item on Ebenezer Obey a Nigerian jùjú musician turned Gospel musician and then on the commemoration of 1994 Rwanda Genocide). DRM:24dB. (Roe-UK)

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- 15130 ROMANIA Radio Romania Int, Galbeni, 04/15, 1102. English. Several programs including Truly Romanian (with Easter songs) and DX Mailbag. 55555. (Roe-UK)
- 15140 INDIA All India Radio GOS in Russian to Eastern Europe giving Oman a run for its money at 1709 UTC with subcontinental vocals by female. SINPO 42433. S/off is 1715 which should clear things out again for Oman. (Figliozzi, NY)
- OMAN Radio Sultanate of Oman 1420 UTC tune in with relay of 90.4 Oman FM playing western pop music with a very excited DJ talking about the upcoming weekend. FM Imaging about "The Nations Station" and program "Connected". Call to prayer at 1442 UTC for Muscat and suburbs and to note that Radio Oman only notes call to prayer for this area only and listeners in other areas (shortwave) are to note proper time for their area for prayer. Back to pop music then into Arabic programming (news) at 1500 UTC, Very Good (Delmage, AB)
- 15140 OMAN Radio Sultanate of Oman, Thumrait, 04/25, 1500. English. R Sultanate of Oman on extended schedule in in English (should be in Arabic by now). Good signal, but slightly noisy; playing Western pop/rock music. 45333. (Roe-UK)
- 15235 SOUTH AFRICA Channel Africa, Meyerton, 04/25, 1700. English. Africa Digest, starting with the News. 55444. (Roe-UK)
- 15245 **KOREA (DPR)** *Voice of Korea*, Kujang, 2251-2300. Talk in Spanish by a woman, sometimes joined by a man. Classical music at 2255. Weak to moderate signal with slow fades, sometimes down into the noise. Much weaker by 2300. 4/28/2017 (Evans TN)
- 15350 **GERMANY** *Athmeeyayathra (GFA)*, Nauen, 05/06, 1405. Yerukala (listed). Long talk by man in Yerukala language. According to Wikipedia, this language is spoken by around 70,000 people. 55444. (Roe-UK)
- PHILIPPINES Radio Veritas Asia, religious broadcaster in Tagalog. April 9, 2017, 2310 2328. M anchor in group conversation, frequent mention of Jesus Christ. Modest but listenable signal, with heavy QRN and slow QSB. Mention of Holy Week in EE. F announcer with MX and English program announcement. Positive ID with web address at 2326. ID and some announcements in EE. F anchor and then switch to Vietnamese on 9670 at 2327, but was unreadable on that frequency. (Henley, WA)
- 15355 PHILIPPINES Radio Veritas Asia, Palauig, 2304-2307. Talk in Filipino by a woman and a man. Moderate strength signal with minor flutter. 4/28/2017 (Evans TN)
- 15490 ASCENSION BBC, 2028-2030, 5-5-17. Man in listed Hausa until 2030 with abrupt end of transmission.SIO343. (cichorek-NJ)
- 15540 **KUWAIT** *Radio Kuwait* at 1840 UTC April 30 with western pop music. A program about Kuwait National Historical Events at 1845 UTC them back to pop music at 1855 UTC. Fair (Delmage, AB)
- KUWAIT Radio Kuwait 1757 UTC May1 popped up in (p) Russian then National Anthem to 5 plus 1 time pips 1800 UTC English sign on with time check National Anthem then announcement for MW, FM and shortwave frequencies (mentioning incorrect 25 MB for 15540 kHz) followed by "Biography of The Holy Prophet". At 1814 UTC mention of reception reports welcomed then relay of FM playing western pop music. A PSA about the dangers of overloading ones vehicle. Excellent. Also noted missing May 4 when I check at 1804 UTC but Excellent on May 2 and 5th. (Delmage, AB)
- 15540 KUWAIT Radio Kuwait Sulaibiyah, \*1759-1845 May 6, noted with orchestra instrumental music to open transmission followed by 5+1 time pips and ID (This is Radio Kuwait. The time now is 9:00 PMlocal time, that is 1800 hours UTC"). Opening program was Biography of the Holy Prophet which was followed by pop music until the news at 1830. Very good signal. (D'Angelo-PA)
- 15540 **KUWAIT** *Radio Kuwait*, Kuwait, 04/09, 1810. English. History feature "Biography of the Holy Prophet" read by YL and OM. 35333. (Roe-UK)
- 15580 **BOTSWANA** *Voice of America*, Mopeng Hill, 04/08, 1830. English. Nightline Africa with "Music from African Collection" 25 minutes of uninterrupted African music (a regular Saturday feature). 45444. (Roe-UK)
- 15595 **VATICAN** *Vatican Radio*, SM di Galeria, 04/25, 1610. English. End of French program and into World news in English. 55555. (Roe-UK)
- 15770 **UNITED STATES** *Radio Ukraine Int*, Okeechobee, 04/13, 2130. English. News, Ukraine Perspectives and The Reading Lounge. 35333. (Roe-UK)
- SPAIN Radio Exterior de Espania, 2033-2043, 5-5-17. Two men in Spanish followed by woman with musical background. Soft music. Casual ID by man at 2037. Signal much improved by 2043 with another ID by woman. SIO444. (Cichorek-NJ)
- 21525 UNITED STATES WRMI, Fla. Radio Africa Network, Jeffersonville, Ind. 1837 5/5/17. RLG. EE Om w/message. 1841 MX vocal group fading. RLG message continued. 1859 closing MX.F. (Ervine-TX)

## On the Shortwaves

www.ontheshortwaves.com · Devoted to the history of shortwave broadcasting and the shortwave broadcast DXing hobby

< www.ontheshortwaves.com> Update, April 30, 2017 -- Under "DX History/QSLS & Other Station Memorabilla," we have posted some more SWLing certificates. From days past, we have posted, from 1959, a listeners' competition award from Radio Sofia; an undated Lifetime Membership Certificate issued by the World Wide DX League, a project of DXing Horizons magazine (1960-61); from 1963, a Canadian BCB Award sponsored by the Canadian DX Club and various Canadian stations; from 1971, the NASWA Worldwide DXer Award; and from 1976, the "Broadcast" Ladder Competition Award issued by the New Zealand Radio DX League. And lest you think there are no certificates still available, John Fisher of North Chelmsford, Massachusetts has sent us three recent additions to his collection: a Radio Romania International Listeners' Club Membership certificate (2015); an AWR "Wavescan" competition certificate (2017); and a NASWA "Final Countdown" Contest certificate (2017).

< www.ontheshortwaves.com> Update, May 7, 2017 --- I. J. Cooper of Cincinnati was one of Powell Crosley's two partners (brother Lewis Crosley was the other) when they formed the American Automotive Accessories Co. in 1916. Cooper followed with the I. J. Cooper Rubber Co., and branched out from tires and accessories to the radio distributor business. Under "DX History/Equipment & Advertising," we have posted an original photo of Cooper at the dials of a Grebe CR-18 receiver, together with a clipping from the May 22, 1927 edition of the Newport News (Virginia) Daily Press, one of several papers where the photo appeared. We have also posted a file containing two I. J. Cooper Rubber Co./Grebe advertisements, the first from the Indianapolis Star (December 18, 1927), the second from The (Nashville) Tennessean (November 20, 1927). Zoom in to see the details. The CR-18 was one of just a few "consumer grade" shortwave receivers of the day. --- Also this time, under "Specialized Resources," we have two new "Wavescan" entries from Adrian Peterson: "Focus on the Middle Americas: El Salvador on Shortwave" (Wavescan N426, April 23, 2017), and "Another BBC Shortwave Station is Closed [Hong Kong & Thailand]" (Wavescan N427, April 30, 2017).

< www.ontheshortwaves.com> Update, May 14, 2017 — We have already posted several items about the clandestine station, Radio Free Russia (NTS): a recording of the station's ID 
http://www.ontheshortwaves.com/Clandestine/Russia-R\_Free\_Russia-NTS.mp3 >, the station's QSL 
http://www.ontheshortwaves.com/QSL\_SW/Cland-NTS-1971.jpg>, and a "cinderella" (non-postage)
stamp issued by the station in 1964 <</p>

http://www.ontheshortwaves.com/QSLs\_Other/Radio\_Stamps-Misc.pdf> (scroll down). Now we have another item, a two-sided sheet containing what purports to be photos of Radio Free Russia "in the field." Some of the captions are humorous, but it seems to be a genuine item, apparently intended, at least in part, for fund raising, as there is a bank account number for donations. We have also posted a file containing an article about Radio Free Russia from the October 1966 issue of FRENDX, as the NASWA journal was called back then. It is written by an ace DXer of that period, Gregg Calkin. These two items can be found under "DX History/Stations." Radio Free Russia, which closed won around 1976, is also covered in Bill Matthew's article, "Clandestines—The Political Voice of Radio" < http://www.ontheshortwaves.com/Lists/Clandestines-Pol\_Voice\_of\_Radio-1971.pdf > (p. 137), in the 1971 edition of "How to listen to the World." For more on Radio Free Russia, see the website "Latvian History' < https://latvianhistory.com/tag/radio-history/>

< www.ontheshortwaves.com> Update, May 21, 2017 -- Under "DX History/Recordings," we have posted another group of recordings mostly made by Larry Magne in Philadelphia circa 1972. They are [ID locations are in brackets]: 1) Austrian Army Radio Station ("Schulungssender"), Vienna, 6255.3 kHz., October 1971, 0600 UTC [:01]; (2) Voice of Truth (Greek Communist Party), 7335.3 kHz., circa 1972 (recorded by Bernard Chenal-France) [:37]; (3) Radio of the National Liberation Front of the Republic of Guinea (anti-Sekou Toure clandestine), 4969.8 kHz., c. 1972 [:06, 1;18, 2:25]; (4) Radio Portugal Livre, 8333 kHz. (probably via Romania), c. 1972 [1:00, 1:55, 2;10]; (5) ORTF, Cayenne, French Guiana, 3385 kHz., March 1972, 0915 UTC [1:12]; (6) Radio Curom, Curacao, 17513 kHz. (audio source for government radiotelephone transmitter), April 1972, c. 1730-1830 UTC [1:14, 2:46]; (7) Far East Broadcasting Association, Victoria, Seychelles, test transmission on 11950 kHz., November 1971, 1825 UTC [:01, :40, 1:21]; (8) Radio Tahiti, Papeete, Tahiti, opening with an Englsih ID and "English by Radio," 15170 kHz., May 1972, 0300 UTC [1:15]; and (9) Action Radio, Guyana Broadcasting Service, Georgetown, Guyana, 3290 kHz., March 1972, 0845 UTC [02:28]. Thanks to Larry for permission to post these.

### North American Shortwave Association 45 Wildflower Road Levittown, Pennsylvania, 19057

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