

# SPEEDX

DECEMBER, 1988

Volume 18, Number 11



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**THE DX MAGAZINE FOR ACTIVE SWLS**

# Spotlight on...



## SPEEDX SPOTLIGHTS

DECEMBER 1988

EDITED BY: JOHN TRAUTSCHOLD & THE ATARI 1040ST COMPUTER  
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TOTAL CONTRIBUTORS: 54

2 ALEXANDER, SAM	NC DX302	7 KLINE, JAMES	CA FRG8800
4 ANYWODI, JOHN	VA	1 KUSALIK, EDWARD	AB FRG7000
2 ATKINS, GARY	GA R390A	1 LANGLAIS, HAROLD	FL
2 BERRI, JASON	CA R2000	6 LEVISON, HAROLD	PA IC-R70
4 BISHOP, FORREST	NY RF4800	4 MATSUSHITA, YUKIMASA	JP
6 BROWN, EDWARD	IL ICF6800W	7 MILLER, WILLIAM	CA DX400
1 BURGIN, DAVID	BC	1 O'CONNOR, PATRICK	NH IC-R71A
14 CICHOREK, ED	NJ FRG8900	4 PRATH, JOHN	FL NRD525
1 CODAY, RICHARD	CA FRG7700	2 QUAGLIERI, AL	NY EC958/3
2 CULP, DAVID	DC ICF2002	1 RICHMOND, KYLE	MD R2000
6 D'ANGELO, RICH	PA NC190	8 ROBINSON, BETSY	TN IC-R71A
4 DILLON, PETER	GR DX400	2 RODRIGUEZ, EMIL	BE
2 ECKERT, JOHN	PA R5000	2 RUSSELL, RICHARD	AL IC-R71A
5 EHLY, STEWART	IA IC-R71A	2 SABLE, THOMAS	PA TS430S
3 EVANS, JAMES	TN IC-R71A	1 SAMPSON, DANIEL	WI FRG7700
9 FISCHER, GREG	WI NRD525	1 SCHULSINGER, MIKE	OH R5000
1 FISHER, JOHN	MA R2000	2 STROH, EDWARD	IL SPR4
2 FLYNN, BILL	CA R2000	2 THORNTON, DON	NJ
1 GEORGE, NELSON	NC IC-R71A	1 THUNBERG, BOB	PA R1000
5 GEORGE, STEVE	MA R2000	7 TRESCHER, FRED	PA FRG7700
1 GERSTNER, JOHN	NY DX1000	2 VALENTINE, F.A.	CA IC-R70
1 GORDON, ANDREW	CT NRD515	1 WALLACE, ANDREW	MA
2 HAWKINS, HUGH	TX IC-R71A	1 WASHBURN, CHARLES	ME R1000
1 HESCH, RUTH	NY R1000	1 WEBER, DONALD	OH R2000
4 JANUSZ, ED	NJ ICF2010	8 WESTENHAVER, WILLIAM	PQ ICF6500W
2 JONES, DAVID	TN FRG8800	5 WOERING, HAROLD	PA R1000
5 KERRIGAN, PATRICK	IL R1000	7 WRIGHT, PHILIP	MB DX400

THE FOLLOWING COLUMNS WERE MISSING FROM LAST MONTH'S LIST:  
North America - Caribbean / USSR / DX Montage

THE FOLLOWING COLUMNS ARE MISSING FROM THIS MONTH'S LIST:  
South & Central America / Africa / Utilities

CONGRATULATIONS TO THE FOLLOWING CONTRIBUTORS EXTRAORDINAIRE!  
YOU'VE BECOME NEW FULL MEMBERS...

DAVID CULP.....DC  
ANDREW GORDON.....CT

Our publisher, big Ed, is going to hate me for this, BUT I'VE GOT NO NEW NEWS TO REPORT THIS MONTH! AAArrrrggggghhhhhh! It's been a very sloooooow month here at Spotlights Central...no ads, no news, no nothin'. If you've got something to report, make sure to send it in and we'll get it in next month.

I would like to say hi to Pat Kerrigan, who I literally bumped into the other day while leaving work. It seems Pat works right across the street from me in downtown Chicago! I had never met him before, but he recognized my name, I guess, embroidered on my official CBS Sports jacket. We had a nice chat for a few minutes, then he was off to work and I was off to the train to go home! So hi Pat...nice chatting. Ya never know which SPEEDXer you'll run into in downtown Chi-town!

The Altair's terminal is still down! Aaaaarrrrrrrgggggghhhhhhhhhh!

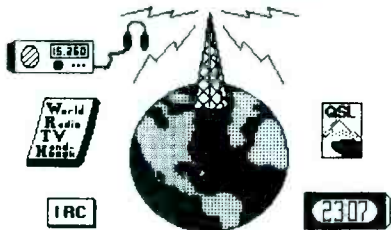
No...I got the part! And that fixed *that* problem, but now I have a different problem in the high voltage section, as well as a new video output problem! Geeze...the life of an electronics engineer is never over! My high voltage comes up now, but after running for about 15 minutes, a power resistor in that circuit *literally blows up!* I'm not kidding! And it's got me totally baffled. Intecolor, the manufacturer of the terminal has got any clues, and wants \$750 to fix it. YIKES! I've discussed the problem with the other techs at work, and they're stumped too! Anybody out there with an Intecolor 8001 terminal that can help? Looks like I'll be doing the column here on the Atari for quite some time. Because of all this, my manual records keeping is becoming a shambles real fast, so will have to transfer over to the Atari data base system. Boy...isn't this fun? Hope you aren't too bored over this!

Well, I've stretched this out about as much as I can Ed. (grin) Remember, if you have ads or notes of interest you'd like to share, send them in and we'll include 'em here in Spotlights. By the way, I'm experimenting with a new masthead this month. It's not set in concrete yet, but let me know how you like it.

Don't forget also that there are a whole myriad of ways to get a hold of me with news or ads. In addition to writing letters or postcards, you can contact me on that ANARC Computer BBS. The number is (309) 688-0604. I'm know there as John Trautschold (surprise...surprise). In addition, I frequent both BIX (BYTE Information Exchange) and CI\$ (Compuserve Serve). I'm known as jtrautschold on BIX and as 73250,572 on CIS. Call soon!

Hope your December is a good one...Be Seeing You!

73



## DX Montage

Ed Janusz

Box 149

Bricktown, NJ 08723

No problem, JT; I'll just start Page 4 a bit early, so to speak. I like the masthead!!

Let's start off with something that everybody likes...

### CANADIAN CONTENT!

Starting this coming April, RCI will be swapping transmitter time with Radio Beijing for two hours a day. RCI will be using the Xian transmitter for English, French, and Japanese programming; they hope to cover Japan by skywave, as well as reach India with a better signal than Yamata was able to provide. RCI plans to introduce a Chinese-language service (via Yamata) in 1990. Meanwhile, RB will use Sackville for English and Spanish programmes.

Also in April, RCI will start trading time with Radio Austria International. For RCI, this will mean better service to the many Canadians who are installing a telephone system in Saudi Arabia (the current European relays aren't sufficiently audible there); an Arabic service is in the pipeline, but won't go on until the Chinese service is well established. In return, Western North America can look forward to the dulcet tones of RAI. (SWLD, 30 October)

Hmmm...I wonder if all this will cause millions more people worldwide to try "speaking Canadian?" Have you ever tried to say "about" a la Ian MacFarland or Alan Maitland? I've been trying for months, and it can't be done!

I hope many of you enjoyed the extended election coverage on the 21st. The strong ProgCon showing took much of the suspense away, but the CBC/RCI crew did its usual superb job of reporting; it made for good listening.

1989 WRTH: Coming Soon to a Print Shop Near You  
Don Erickson and the Century Print Shop offer prepublication discounts on the 1989 WRTH until 15 January, 1989: 1 copy/\$16; 2/\$29; and 3/\$39, book rate postage included (for First Class mailing, add \$2 per copy). This offer is open only to US residents; Californians, please add 6% sales tax. Remit check or money order to: Century Print Shop, 6059 Essex St., Riverside, CA 92504-1599, and make sure to mention SPEEDX. Prices go up by \$2 per copy for orders received after 15 January. Don also has back issues of the WRTH (1981-1988) available at 1/\$15, 2/\$27, 3/\$38, 4/\$48, mix-or-match years.

## *Help Wanted*

Let's hear from Peggy Thompson and Rich D'Angelo for this one:  
*Did you ever want to do something for your club, but didn't know how without committing yourself to editing a column? FRIENDS OF SPEEDX is a donation program which will give us that little extra we need to print new pamphlets, update old ones, and promote various programs and activities within the hobby. Anybody donating at least \$10.00 to the club will receive a certificate, and any future donations will send a seal your way which you can affix to your certificate; you'll also get permanent recognition on our FRIENDS OF SPEEDX roster.*

*All donations may be sent to Club HQ, and checks should be made payable to SPEEDX.*

Thanks, Peggy; thanks, Rich; and thanks in advance to all of you for your consideration and support.

Here are a couple of more help-wanted:

SPEEDX is chartered as a non-profit hobby organization, and we're not incorporated. On occasion, we bump up against clauses in our charter and in the laws that govern organizations such as ours, which allow or forbid us to do something. We could certainly use some assistance from anyone who has knowledge of the practice of law and who could read over our charter, offering counsel from time to time if we get any new ideas for publicity or marketing. If you're interested, please contact Bob Thunberg at SPEEDX HQ.

We're also still in the market for a Publicity Director (c. f. last month's DXM); and, while we're at it, we could use a backup editor or two to step in for current editors who have to retire. If you have any questions about the Publicity job, write to me. If you've ever thought about doing a column for us, but wonder what it entails, you can write to Bill Westenhaver or to any of our editors. It's really a lot of fun.

\*

Now for some ANARC jobs:

Harold Sellers has decided that managing the Ontario DX Association is enough DX for him (can't imagine why, Harold!), and has to relinquish his Marketplace Report column. If you haven't seen it, it's a summary of new radio-oriented products (shortwave radios, scanners, and accessories) which comes out every month; it appears in the ANARC NEWSLETTER and in some club publications. Besides a Marketplace editor, ANARC could also use a Technical editor for their Newsletter.

Also needed is a Government Affairs Liaison for Canada. This post requires a background in Canadian law, and would involve studying the impact on our hobby of proposed legislation in Ottawa, among other things. You can contact Bob Horvitz (details below) for further information.

Finally, ANARC needs volunteers to provide a 4-7 minute monthly/bimonthly news and feature report for "SWLD" and "DX Party Line." You'll need a good microphone and cassette recorder, a good radio voice, and the ability to meet deadlines. If interested, send a tape of your abilities, ideas, and qualifications to: Bob Horvitz, Box 143, Falls Church, VA 22046.

If you have any further questions, Bob can also be reached on the ANARC BBS, (309) 688-0604.

\*

It's time for a bit of editorializing. We have had a lot of turnover in the SPEEDX staff this year, and, understandably, some people might be wondering if the club is unstable, or if we're a bunch of head cases. (It makes for great gossip, anyway. The funniest myth I heard was that we were turning into a BBS-only club, which made me think of a bunch of Max Headrooms flying through the fiber-optic ether....) Actually, I don't think you could find a more cohesive, upbeat crew than the SPEEDX staff. In the past, people have quit because of policy disagreements or conflicts, but "real-world" family and job situations have accounted for

most of the turnover. The point is, I think that we have survived the loss of some key personnel without any diminution in the quality of our publication--amazing, maybe, but there's something about SPEEDX...

\*\*\*

MORE ANARC STUFF: PLAN NOW FOR ANARCON '89!

I know you all like reading press releases--but this one's pretty cool.

The 1989 Convention of ANARC will be held in the southeastern USA for the first time in ANARC's history.

The venue for ANARCON '89 will be the Dolphin Beach resort in the city of St. Petersburg Beach, on the west coast of Florida. Appropriately, ANARCON '89 will have a very definite Florida/Caribbean/Latin American flavor. The convention will officially begin on Friday, July 14, with an outdoor poolside reception sponsored by the World Radio-TV Handbook, featuring traditional Caribbean island drinks and a steel band. (Awright! - ej)

On the agenda for Saturday are sessions dealing with Latin American DXing and QSLing techniques, clandestine broadcasting in Latin America, and international radio news reporting in the Caribbean.

On Sunday, July 16, Andy Sennitt will moderate the WRTH Quiz, which will have a Caribbean/Latin American emphasis. There will also be time for convention participants to enjoy the seven-mile (11 km) white sand beach on which the convention hotel is located.

Those who can stay around on Monday may take part in a tour to Disney World and the Epcot Center in Orlando--the world's most popular tourist attraction.

For complete information sheets and registration forms, please write to:

ANARCON '89

Box 272301

Tampa, Florida 33688, USA

HERE'S A CONTEST

The Danish Shortwave Clubs International (DSWCI) is preparing a big international contest called "The Grand Tour with Cancer and Capricorn." It will be held in March of 1989; DSWCI membership is not required. The contest fee is 5 IRC's; there will be prizes, and every participant will receive a diploma and a copy of the results.

For a contest form, please write to:

Jaroslav Bohac

CSLA 2900/11

400 11 Usti n. L., CZECHOSLOVAKIA

...AND HERE'S A DIRECTORY

It's called the K1BV DX Awards Directory, and contains the rules for over 830 different DX awards. This is primarily Ham stuff, but editor Ted Melinowsky has tracked down a number of awards available to SWLers, as well. It's \$14.35 in the USA and Canada (Connecticut residents add \$1.08 sales tax), \$13.75 worldwide surface mail, \$16.75 airmail to Europe and South America, \$18.00 elsewhere from"

Ted Melinowsky, the K1BV DX Awards Directory

525 Foster St., Suite 500

South Windsor, CT 06074-2936, USA

Speaking of awards, SPEEDX main man Harold Woering is still working on our new Awards Programme; we hope to announce it shortly. If you have any ideas about this, you can write to him at:

48 Campbell Drive

Easthampton, MA 01027-2724

\*

FREEDOM AND CENSORSHIP

The British House of Commons voted in a ban on broadcasting interviews with members of the Irish Republican Army and ten other paramilitary groups; BBC television newscasters announced a one-day walkout to protest this ruling and its possible effects on the Beeb's traditional editorial independence. Sectarian violence in Northern Island has been on an upswing this year.

\*

Israel has a similar policy towards the Palestinian Liberation Organization. Before last month's election, the nation's Central Election Committee censored an interview with Yasser Arafat, the PLO's chief, which a left-wing political party called the Progressive Movement for Peace was using in one of their campaign ads. Israel's state-owned radio and television do not permit the airing of interviews with PLO figures.

\*

Radio Mundial, in Nicaragua, is in trouble again. The station carries a news programme called El Nicaraguense, which is produced by the opposition group Superior Council of Private Enterprise; one show, in October, carried an interview with a rebel leader, William Montalvan, who described President Daniel Ortega and Interior Minister Tomas Borge as "monsters." El Nicaraguense hasn't been heard from since.

\*

The South African Embassy in Washington has denied trying to infiltrate the Voice of America. An employee of VOA's Portuguese service was dismissed after he came under heavy suspicion in the thefts of some tapes destined for broadcast to Angola and Mozambique; the suspect's wife worked in South Africa's embassy at the time (and has since been transferred to their embassy in Lisbon).

\*

For the first time, Turkey has invoked a 1983 law prohibiting publicity for the Kurdish Labor Party, a Marxist separatist group, and has brought to trial a newspaper editor and columnist for publishing an interview with the KLP's leader, Abdullah Ocalan.

Your editor makes no judgement upon this type of activity, at least not for public consumption. As a writer and a news junkie, I do have this Pavlovesque reaction to the word "censorship," but not having been exposed first-hand to life in an embattled land, I'm not going to go around tut-tutting anybody; I don't know how I'd react if, say, New York City suddenly became a hotbed of anarchy...umm, let me rephrase that, hi! Anyway, thanks to intrepid reporters James Kline, Harold Langlois, and Al Quaglieri for assiduous gleaning through the Los Angeles Times, the Tampa Tribune, and various AP wire services.

#### LIFE IS ELSEWHERE

Scientists trying to contact life beyond Earth are building a new radio-telescope in Argentina. Even though it should be easier to monitor the crowded center of the Milky Way from the Southern Hemisphere, most efforts of this kind have been operated from the North. The radio-telescope will monitor those radio frequencies which the scientists of Pasadena, CA's Planetary Society believe would be the most likely ones for aliens to use in broadcasting. (Insight, 11/88, thanks again to Harold Langlois).

"...Your Elvis station in Terminus, Foundation-103!"

#### KEN NILES, R. I. P.

A pioneer of radio drama, Ken Niles, died in Santa Monica on 31 October. He was 81.

Ken Niles got his start as a part-time saxophone player in Seattle when he accepted an offer from Los Angeles radio entrepreneur Don Lee; he arrived in Los Angeles with \$19 in his pocket, and, desperate for work and money in the dark days of the Depression, worked for three years without a day off.

He is remembered for his work as host on "Take It or Leave It," "The Abbott and Costello Show," and "Hollywood Hotel," and especially for creating a series of original dramas called "Theater of the Mind." Mr. Lee, his employer, couldn't see how dramas where the audience couldn't see the performers could possibly succeed; so Ken Niles had to put these on the air over Lee's objections. Radio drama, it can be noted, achieved a certain amount of popularity....

Mr. Niles never made the transition to television, and devoted his later years to operating a marina complex on Balboa Island. His brother Wendell, another early radio personality, still lives in the area. (L. A. Times, thanks to James Kline)

#### GOOD NEWS ON CENSORSHIP

For the first time in eight years, Iraq is putting weather forecasts back on the air and into newspapers. These were banned when the war with Iran started in 1980, as knowledge of weather could help the Iranian military plan air attacks. (L. A. Herald-Examiner, thanks once again to James Kline. James, you're tops--nobody else has contributed to DXM every single month since I've been here! My deepest thanks.)

This isn't unprecedented; our older readers might remember that the USA also had a ban on broadcast weather reports during WWII. This gave rise to a classic line, uttered by Dizzy Dean one day when he had to explain to his listening audience why the Cardinals didn't seem to be doing much at the moment: "I can't tell you why we're not playing right now, but if you stick your head out the window, you'll probably figure it out."

\*

I had a lot of really nice comments about last month's column; a good number of you enjoyed the variety of Self-portraits, Appreciations, and

Turkish Panoramas; I'd love to keep running 'em, but I don't have any more! Friends, you are more than welcome to take this as a subtle hint.

Here is one essay that travelers in particular should find helpful:

HOW ABOUT ACCURATE WEATHER FORECASTS FOR A CHANGE? by Gary Froemming  
How often have you packed up the kids, loaded up the car, and started out of town for a Sunday picnic, and found that the weather report you heard the night before was so inaccurate that you feel you could have done better yourself? It seems that these days, the nightly reports are more like battles between radar and flashy weathercasters--and don't forget the helicopters! Well, with a short wave receiver and a little knowledge of weather patterns, you can be your own weatherman.

The Coast Guard broadcasts weather reports many times daily. Even though these reports are meant for ships at sea, they can be used to project the upcoming weather for many areas, especially if you live in one of the coastal states. In Arizona, I watch the patterns coming in from the west and southwest coast lines, and most of the time what happens there will happen here in a day or two.

Following is a list of stations, times, and frequencies of the most likely broadcasts on their high-powered transmitters:

NMS, San Francisco, CA	NMN, Portsmouth, VA	NMO, Honolulu, HI
0430 4 - 8 - 13 MHz	0400 4 - 6 - 8 MHz	0545 6 - 8 MHz
1030 " " "	0530 " " "	1145 " " "
1630 8 - 13 - 17 MHz	1000 " " "	1845 8 - 13 MHz
2230 " " "	1130 6 - 8 - 13 MHz	2345 " " "
	1600 " " "	
	1730 8 - 13 - 17 MHz	
	2200 6 - 8 - 13 MHz	
	2330 " " "	

All times are UTC; all broadcasts are USB on the following frequencies; 4428.7, 6506.4, 8765.4, 13113.2, and 17307.3 kHz.

You can also monitor the International Calling Frequency, 2182 kHz; all Coast Guard stations announce upcoming broadcasts here. Among the smaller stations, 2670 kHz is the most active frequency. I hope that many of you will find this information interesting as well as helpful when trying to predict the weather.

You bet, Gary. As an inveterate day- and weekend-tripper, I'm in constant need of accurate, no-jive Wx data; I just kinda wish the USCG would put a station in Galveston or someplace, so that we could follow hurricanes and tropical storms. But the USCG is really strapped for money.

I don't know if helicopters and satellite photos are such a bad thing. It used to be that every weekend was gonna be beautiful (translation: "Go somewhere and spend money!") when I first moved to Jersey some 15 years ago. Now, if they show you a satellite picture that shows, say, Philadelphia looking like something in the bottom of the 100,000-point hole in a pinball machine, it's a bit more difficult to convince people that it's gonna be a bee-yoo-tiful weekend on the Jersey Shore.

Gary--who also operates under the noms de plume WB7CAG and WSD7810--is working on a book about maritime comms and other such information.

#### WRAPPIN'

Speaking of traveling, I spent a few days in Virginia and West Virginia recently (around the Shenandoah Valley), and I liked it a lot: Great scenery, even with the leaves gone, and some of the most sociable people in the world. If you're ever in the area, don't miss Harpers Ferry National Park--it's fascinating! My truck seemed to respond well to country music; and I discovered why 20,000,000 American men have a serious crush on Reba McEntyre. (Make that 20,000,001).

This issue might reach you a couple of days late, as might the next; our deadlines collide with the holidays. It shouldn't pose a serious problem, thanks to our incredibly cooperative SPEDX staff. After consideration, we decided not to tinker with the deadlines; too many "on-time" loggings would have become "late" loggings. Don't forget, though: The posties are seriously snowed under at this time of year, so it might be a good idea to get your loggings and other contributions in the mails a day or two early this month.

Outta room, outta time...outta here!

73's and smile, Eddie

# PROGRAM PANORAMA

woody seymour, jr.

p.o. box 848

sanford, nc 27330

December 1988...Where has the year of 1988 gone? Hope everyone got lots of '88s this year! This month we will spend some additional time looking at the programming changes of the BBC World Service. Also, we will have some tips for Christmas season program listening. So, for the final time in 1988, let's go...

**KOREA(Rep.)**...Radio Korea broadcasts in English for 60 minutes daily. NEWS takes up the first 15 minutes of each broadcast, followed by Mon-Sat NEWS COMMENTARY. The other programs are: Mon SEUL CALLING, LET'S LEARN KOREAN, SPORTS ROUNDUP; Tue SEUL CALLING, LET'S LEARN KOREAN, KOREAN CULTURAL VARIETY; Wed SEUL CALLING, LET'S LEARN KOREAN, PULSE OF KOREA, KOREANS TODAY; Thu SEUL CALLING, LET'S LEARN KOREAN, INSIDE NORTH KOREA; Fri LET'S SING TOGETHER, KBS SALON; Sat SITES AND SOUNDS, FROM US TO YOU; Sun ECHOES OF KOREAN MUSIC, SHORTWAVE FEEDBACK. They broadcast to the Americas at 0600(6060,9570), 1400(9750, 15575) and 2330(15575 kHz) UTC. (Direct)

**SOUTH AFRICA**...Radio RSA will probably have their New Year's Eve phone-in show again this year. Last year's broadcast was most successful. If you have never heard this broadcast, give it a listen. Most of the calls come from the USA, but there have been some from Europe, Australia, Canada and other parts of Africa in past years--even a call from a ship at sea! The broadcast should begin at 2200 UTC on December 31 and extend to 0200 UTC on January 1. Frequencies in use will most likely include one in the 25 meter band. Tune around and you should be able to pick it up easily.

**UNITED KINGDOM**...BBC World Service made a number of changes in their English programming in November. A big change was in theme music for some programs. RADIO NEWSREEL is now known simply as NEWSREEL and is heard less often (at 1200 and 1500 UTC). Also, the march "Imperial Echoes" has been toned down. SPORTS ROUNDUP has a new theme as well. The idea is to make the Service sound less militaristic or imperialistic...you might say, they want to have a "kinder and gentler" BBC World Service.....If the past three months' columns have appeared heavy on the BBC information, it's due to two reasons--it's major news when the best known international broadcaster changes its format somewhat. Also, we could stand to have some more input from the membership. Let me hear from you--what do you think of the changes in the programming of the BBC World Service?.....Christmas is always a special time on the BBC World Service. The two programs that you think of most are the QUEEN'S CHRISTMAS MESSAGE(heard on the 25th at 0930 and 1500 UTC) and the FESTIVAL OF NINE LESSONS AND CAROLS(heard on the 24th at 1502, 25th at 0030 and 0935 UTC). By the way, try to listen to the FESTIVAL on NPR this year. The public radio network has broadcast the program live in digital stereo for the past few years on the 24th at 1500 UTC. It's quite an experience with earphones on! If you don't have access to this broadcast in digital stereo, try putting two shortwave receivers on opposite sides of the room from each other!.....CHRISTMAS DAY AT ST. MARTINS can be heard on the 25th at 1830 and on the 26th at 0030 UTC...A HOST OF ANGELS takes a look at angels--who and what they are--on the 24th at 1630, 25th 0230 and 26th at 0915 UTC...WHAT SWEETER MUSIC? looks at the broadcasts of the FESTIVAL on the 22nd at 2315, 23rd at 0815 and 1515 UTC...MUSIC FOR A MIDSUMMER CHRISTMAS looks at what songs are sung during this season in places where it's warm--Australia, South America and Africa--on the 23rd at 0030, 1030 and 1715 UTC...ROCK 'N' ROLL CHRISTMAS looks at various Christmas songs as performed by rock singers. Listen on the 27th at 0630, 28th at 1615 and 2115 UTC...RADIO CHRISTMAS CARD is a party of sorts with your favorite BBC announcers in a festive spirit(perhaps with festive spiritess?) on the 24th at 0815, 1701 and 2315 UTC. Enjoy the Christmas programming over the BBC World Service.....A series beginning on the 16th is called FROM OLD-TIME TO NEW COUNTRY. It is actually a history of country music and will extend for 11 weeks. Tune in on Fri 2115, Sat 1345 and Sun 0430 UTC for a look from Hank Williams and Jim Reeves to Randy Travis and The Judds. Y'all listen!

**USA**...Thanks to SPEEDXer James Kline of CA for sending in some information on KVOH and High Adventure Ministries. The station can be heard in English, but their success in Spanish is, according to the station, amazing. They report that close to 60% of "believers" interviewed in Cuba listen to the station. (WS)  
If anyone would like a copy of this information sheet, please send me an SASE.  
That's all for this month--and year. Join us in 1989 for more PROGRAM PANORAMA.



ENGLISH LANGUAGE SHORTWAVE BROADCAST SCHEDULES TO NORTH AMERICA  
Produced for SPEEDY by Daniel Sampson

Nov 16, 1988

Start Time (UTC)	End Time (UTC)	Country	Station	Frequencies	Notes
0000	0030	Israel	kol Israel	9435; 9385; 7460	
0000	0030	Norway	R. Norway Int'l	11850	M
0000	0030	South Korea	R. Korea	15575	
0000	0050	North Korea	R. Pyongyang	15160; 15115	
0000	0100	Bulgaria	R. Sofia	11950; 9700	
0000	0100	China	R. Beijing	15455; 11715; 9770	
0000	0100	U. S. A.	KUSW	15580	
0000	0100	U. S. S. R.	R. Moscow	21530; 17720; 17700; 17605; 15425; 12050; 9765; 9720; 7910; 7215; 7150; 7115; 6115; 6045; 6000	NAm svce
0000	0130	Canada	R. Canada Int'l	9755; 5960	Tu-Sa
0000	0200	Australia	R. Australia	17795; 15395; 15320	
0000	0200	Canada	R. Canada Int'l	9755; 5960	Su-M
0000	0200	Cuba	R. Havana Cuba	9655	
0000	0200	Spain	R. Ext. Espana	11880; 9630	
0000	0230	United Kingdom	BBC	9915; 9590; 7325; 6175	
0000	0400	U. S. A.	WRND	7355	
0030	0055	Belgium	Belgische R&TV	5925	M-Sa
0030	0100	Austria	R. Austria Int'l	9875	
0030	0100	Hungary	R. Budapest	15160; 11910; 9835; 9585; 9520; 6110	M-Sa
0030	0100	U. S. S. R.	R. Kiev	15455; 15180; 13645; 9860; 9640; 7400	
0030	0130	Ecuador	HCBJ	11910	
0035	0200	Ecuador	HCBJ	15155; 11775; 9720	
0045	0130	German Dem. Rep.	R. Berlin Int'l	9730; 6080	
0050	0115	Vatican City	Vatican R.	11780; 9605; 6150	
0100	0120	Italy	RAI	11800; 9575	
0100	0130	Austria	R. Austria Int'l	9875	Su
0100	0130	Israel	kol Israel	9435; 9385; 7460	
0100	0130	Japan	R. Japan	11905	Reg svce
0100	0130	Yugoslavia	R. Yugoslavia	9660; 9620; 5980	
0100	0150	Fed. Rep. Germany	Deutsche Welle	11865; 9735; 9565; 6145; 6085; 6040	
0100	0157	Czechoslovakia	R. Prague	11990; 9740; 9540; 7345; 6055; 5930	
0100	0200	U. S. S. R.	R. Moscow	21530; 17720; 17700; 17605; 15425; 12050; 9765; 9720; 9700; 7310; 7215; 7150; 7115; 6115; 6045; 6000	NAm svce
0100	0300	Iraq	R. Baghdad	9515	
0100	0500	U. S. A.	KUSW	11695	
0130	0140	Greece	V. of Greece	11645; 9420; 7430	
0130	0200	Hungary	R. Budapest	15160; 11910; 9835; 9585; 9520; 6110	
0145	0200	South Korea	R. Korea	15575	
0200	0230	Israel	kol Israel	9435; 9385; 7460	
0200	0230	Switzerland	Swiss R. Int'l	12035; 9885; 9725; 6135; 5965	
0200	0245	German Dem. Rep.	R. Berlin Int'l	9730; 6080	
0200	0250	Brazil	R. Nacional	11745	
0200	0300	Argentina	R. Argentina Ext.	11710; 9690	
0200	0300	Romania	R. Bucharest	11940; 11830; 9570; 9510; 6155; 5990	
0200	0300	U. S. S. R.	R. Moscow	17720; 17700; 15425; 12050; 12010; 11710; 9765; 9720; 9700; 7310; 7215; 7150; 7115; 6115; 6045; 6000	
0200	0330	Egypt	R. Cairo	9675; 9475	
0200	0356	South Africa	R. RSA	11760; 9615; 9580	
0200	0400	Australia	R. Australia	17795	
0200	0400	Cuba	R. Havana Cuba	9655; 6140	
0200	0400	Taiwan	V. of Free China	15345; 9680; 5985	
0200	0700	Ecuador	HCBJ	15155; 11775; 9720	
0230	0245	Hungary	R. Budapest	15160; 11910; 9835; 9585; 9520; 6110	Tu-W,F-Sa
0230	0300	Albania	R. Tirana	9500; 7065	
0230	0300	Portugal	R. Portugal	9705; 9680; 6060	Tu-Sa
0230	0300	Sweden	R. Sweden	11705; 9695	
0230	0300	United Kingdom	BBC	9915; 7325; 6175	
0230	0325	Netherlands	R. Nederland	9895; 9590; 6165; 6020	
0245	0330	German Dem. Rep.	R. Berlin Int'l	11785; 9730; 9620; 6080	
0300	0330	Japan	R. Japan	21610; 17825; 11870	Reg svce
0300	0330	U. S. S. R.	R. Kiev	15455; 15180; 13645; 7400; 7205; 7150	
0300	0330	United Kingdom	BBC	9915; 7325; 6175; 5975	
0300	0356	Fed. Rep. Germany	Deutsche Welle	9700; 9605; 9545; 6130; 6010	
0300	0357	Czechoslovakia	R. Prague	11990; 9740; 9540; 7345; 6055; 5930	
0300	0400	China	R. Beijing	15455; 15290; 15180; 11860; 11715; 9770	
0300	0400	Japan	R. Japan	5960	Gen svce
0300	0400	Nicaragua	LV de Nicaragua	6100	Tu-Su

0300	0400	Romania	R. Bucharest	11940; 11830; 9570; 9510; 6155; 5990	
0300	0400	U. S. A.	R. Earth	7400; 7355	Tu
0300	0400	U. S. S. R.	R. Moscow	17700; 15425; 12050; 12010; 11710; 9765; 9700; 7310; 7215; 7150; 7115; 6115; 6045; 6060	NAw svce
0310	0330	Vatican City	Vatican R.	6150	
0330	0355	Finland	R. Finland	11755; 9635	
0330	0400	Albania	R. Tirana	9500; 7065	
0330	0400	United Arab Emir.	R. Dubai	17890; 15435; 11940; 9640	
0330	0430	United Kingdom	BBC	6175; 5975	
0340	0350	Greece	V. of Greece	9420; 9395; 7430	
0350	0400	U. S. S. R.	R. Yerevan	13645; 11860; 11790	
0400	0430	Austria	R. Austria Int'l	6015	Su-M
0400	0430	Norway	R. Norway Int'l	9650	M
0400	0430	Switzerland	Swiss R. Int'l	12035; 9885; 9725; 6135	
0400	0445	German Dem. Rep.	R. Berlin Int'l	11785; 9620	
0400	0450	Cuba	R. Havana Cuba	9655; 6140; 6035	
0400	0450	Turkey	V. of Turkey	9445	
0400	0500	Argentina	R. Argentina Ext.	11710; 9690	
0400	0500	Bulgaria	R. Sofia	7115	
0400	0500	China	R. Beijing	15290; 15180; 11980; 11715; 9770; 9645	
0400	0500	U. S. S. R.	R. Moscow	9640; 9610; 9600; 9530; 7290; 6170	Wid svce
0400	0500	U. S. S. R.	R. Moscow	13645; 12050; 12010; 11710; 9895; 9825; 7270; 7230; 7185; 7175	NAw svce
0400	0600	U. S. A.	WRND	6185	
0430	0500	Austria	R. Austria Int'l	6015	
0430	0545	United Kingdom	BBC	9510; 5975	
0445	0530	German Dem. Rep.	R. Berlin Int'l	11785; 9620	
0450	0600	Cuba	R. Havana Cuba	9655; 6035	
0500	0515	Israel	kol Israel	11605; 11588; 9455; 9435; 7460	
0500	0550	Fed. Rep. Germany	Deutsche Welle	9700; 9635; 6130; 6120; 5960	
0500	0600	China	R. Beijing	9770	
0500	0600	Japan	R. Japan	11870; 5990	Gen svce
0500	0600	Spain	R. Ext. Espana	9630	
0500	0600	U. S. S. R.	R. Moscow	9895; 9825; 7345; 7335; 7270; 7230; 7185; 7175; 5905	NAw svce
0500	0700	U. S. A.	KUSW	6175	Su
0530	0625	Netherlands	R. Nederland	9715; 6165	
0545	0600	United Kingdom	BBC	5975	
0600	0700	Nicaragua	LV de Nicaragua	6100	Tu-Su
0600	0700	South Korea	R. Korea	9570; 6060	
0600	0700	U. S. S. R.	R. Moscow	9825; 7345; 7335; 7270; 7260; 7230; 7185; 7175; 5905	NAw svce
0600	0730	United Kingdom	BBC	9640; 5975	
0600	0800	Cuba	R. Havana Cuba	11760	
0600	1200	U. S. A.	WRND	6185	Su
0700	0800	Taiwan	V. of Free China	5985	
0700	0800	U. S. S. R.	R. Moscow	7345; 7335; 7270; 7260; 7230; 7185; 7175; 5905	NAw svce
0700	1100	U. S. A.	KUSW	6135	Su
0800	1130	Australia	R. Australia	9580	
1000	1045	German Dem. Rep.	R. Berlin Int'l	9665	
1000	1200	Nigeria	R. Nigeria	15120	
1100	1130	Austria	R. Austria Int'l	15450	Su
1100	1130	Israel	kol Israel	17575; 11585	
1100	1150	North Korea	R. Pyongyang	11735; 9977; 9600	
1100	1200	China	R. Beijing	15455; 9665	
1100	1200	Japan	R. Japan	6120	Gen svce
1100	1200	U. S. S. R.	R. Moscow	15460; 15225; 15150; 12055; 9600	Wid svce
1100	1300	United Kingdom	BBC	5965	
1100	1400	U. S. A.	KUSW	6130	Su
1130	1400	Australia	R. Australia	9580; 6060	
1200	1225	Finland	R. Finland	15400; 11945	M-F
1200	1300	China	R. Beijing	17715; 15455; 15110; 9665	
1200	1300	U. S. S. R.	R. Moscow	15430; 15225; 15150; 12055; 9600	Wid svce
1200	1400	U. S. A.	WCNN	5980	
1200	1430	U. S. A.	WRND	9715	Su
1200	1600	Ecuador	HCBJ	17890; 15115; 11740	
1230	1300	Austria	R. Austria Int'l	15450	
1235	1245	Greece	V. of Greece	15630; 11645; 9905	
1245	1310	France	R. France Int'l	17720; 15365	
1300	1325	Finland	R. Finland	15400; 11945	M-F
1300	1330	Norway	R. Norway Int'l	15310	Su
1300	1330	United Kingdom	BBC	9510; 5965	
1300	1330	Yugoslavia	R. Yugoslavia	15380; 15325; 11735	
1300	1350	North Korea	R. Pyongyang	11335; 9345; 9325	
1300	1400	Canada	R. Canada Int'l	11855; 9625	M-F
1300	1400	China	R. Beijing	15455	
1300	1400	U. S. S. R.	R. Moscow	15460; 15225; 15150; 11900; 11840; 7345; 7300; 7160; 5905	Wid svce

1330	1345	United Kingdom	BBC	9510; 5965	Su
1330	1355	Belgium	Belgische R&TV	17560	M-Sa
1400	1425	Finland	R. Finland	15400; 11945	M-F
1400	1430	Norway	R. Norway Int'l	15310	Su
1400	1430	Sweden	R. Sweden	21615; 15345	
1400	1500	Australia	R. Australia	9580	
1400	1500	China	R. Beijing	7405	
1400	1500	Finland	R. Finland	15400; 11945	Sa-Su
1400	1500	South Korea	R. Korea	15575; 9750	
1400	1500	U.S.S.R.	R. Moscow	15460; 15150; 11900; 11840; 7345; 7300; 7160; 5905	Wid svce
1400	1600	U.S.A.	KUSW	9650	Su
1400	1700	Canada	R. Canada Int'l	11955	Su
1430	1630	U.S.A.	WRND	11965	Su
1500	1600	China	R. Beijing	7405	
1500	1600	Japan	R. Japan	5990	Gen svce
1500	1600	U.S.S.R.	R. Moscow	15460; 15150; 11900; 11840; 7345; 7300; 7160; 5905	Wid svce
1500	1600	United Kingdom	BBC	15260; 9515	Sa-Su
1540	1550	Greece	V. of Greece	15630; 11645; 9425	
1600	1630	Norway	R. Norway Int'l	15310	Su
1600	1700	U.S.S.R.	R. Moscow	15460; 15150; 12050; 12010; 11995; 11900; 11840; 9665; 9640; 7440	Wid svce
1600	1745	United Kingdom	BBC	15260; 9515	
1600	2100	U.S.A.	WRND	15420	
1600	2200	U.S.A.	KUSW	15650	
1700	1730	Norway	R. Norway Int'l	15310	Su
1700	1800	Japan	R. Japan	9505; 5990	Gen svce
1700	1800	U.S.S.R.	R. Moscow	15460; 15150; 12050; 12010; 11995; 11900; 11840; 9665; 9640;	Wid svce
				9580; 7440	
1800	1815	Israel	Kol Israel	11585	
1800	1900	U.S.S.R.	R. Moscow	13605; 12050; 12010; 11995; 11840; 9825; 9665; 9640; 9580; 9560;	Wid svce
				7440	
1800	2100	Kuwait	R. Kuwait	11665	
1900	1930	Japan	R. Japan	9505; 5990	Gen svce
1900	2000	U.S.S.R.	R. Moscow	15405; 13605; 12050; 12030; 12010; 11840; 9665; 9640; 9580; 9560;	Wid svce
				7440	
1930	2030	Iran	VOIRI	9022	
2000	2030	Israel	Kol Israel	19855; 11605; 9435; 7355	
2000	2030	Norway	R. Norway Int'l	15310	Su
2000	2100	U.S.S.R.	R. Moscow	15425; 15405; 15245; 13605; 12050; 11840; 11770; 9825; 9735;	Wid svce
				7440; 7105	
2005	2105	Syria	R. Damascus	15095; 12085	
2100	2200	U.S.S.R.	R. Moscow	15425; 15405; 15245; 13605; 12060; 12050; 11840; 11770; 9865;	Wid svce
				9735; 7440; 7115; 7105	
2100	2300	U.S.A.	WRND	13760	
2110	2210	Syria	R. Damascus	15095; 9950	
2130	2200	Bulgaria	R. Sofia	11720; 9700; 7115	
2200	2225	Belgium	Belgische R&TV	9925	
2200	2230	Yugoslavia	R. Yugoslavia	9660; 9620; 7130; 5980	
2200	2245	German Dem. Rep.	R. Berlin Int'l	6125	
2200	2300	Argentina	R. Argentina Ext.	11710; 9690	
2200	2300	United Kingdom	BBC	9915; 7325	
2200	2400	Australia	R. Australia	17795; 15395; 15320	
2200	2400	U.S.A.	KUSW	15580	
2230	2330	Bulgaria	R. Sofia	11950; 9700	
2245	2330	German Dem. Rep.	R. Berlin Int'l	6125	
2300	2330	U.S.S.R.	R. Vilnius	15455; 15180; 13645; 11790; 9640	
2300	2350	North Korea	R. Pyongyang	13650; 11735	
2300	2350	Turkey	V. of Turkey	9445	
2300	2400	U.S.A.	WRND	13760	alt. 7355
2300	2400	U.S.S.R.	R. Moscow	21530; 17720; 17700; 17605; 15425; 12050; 9765; 9720; 7310; 7215;	NM svce
				7150; 7115; 6115; 6045	
2300	2400	United Kingdom	BBC	9915; 9590; 7325; 6175	
2330	2400	Albania	R. Tirana	9760; 7065; 6200	
2330	2400	South Korea	R. Korea	15575	
2335	2345	Greece	V. of Greece	11645; 9395	

# TECHNICALLY SPEAKING...

Edited by  
Kent Willis

Antennas

Radio Wave Propagation

Receivers

Reception Conditions

Equipment Reviews

New Technology

8703 Lantern Lite Pkwy Louisville, KY 40220

Welcome to this month's column. We are continuing our series on radio wave propagation, and alas, the end is near! The subject of propagation is quite complex in its most general form, and a few pages in a hobbyist type magazine could not possibly do justice to the topic. I realize that some SPEEDX'ers do not like to read about the same subject month after month. For this reason we will be ending our series in the near future. If you wish to continue your study of the propagation of radio waves, you will find that there are several other references available on the subject. Check the catalogs of your favorite SW equipment supplier. I recommend the book by George Jacobs and Theodore Cohen entitled "The Shortwave Propagation Handbook".

## A Propagation Primer, continued:

In the November issue we finished describing the various layers and the concept of the maximum useable frequency (MUF). We also examined the mechanism which causes the radio wave to be "bent" as it passes through the ionospheric layers. Without this bending, long distance reception of signals would be impossible because the wave would simply pierce right through the ionosphere. Like the John Robinson family, it would then be "Lost In Space"! We would only be able to receive the ground wave or line of sight components of a transmitted short wave signal at distances of about a few hundred miles at most. If you lived in California, signals transmitted from Texas would be great DX!

What determines how far a radio wave will travel? Will we be able to "hear" the signal after it has traveled such a great distance? We all know that SW listeners can hear broadcasts from stations located the greatest possible distance from their QTH, i.e., about 12,500 miles or so "as the crow flies" along the equator. Depending upon propagation conditions, a SW listener anywhere in the world could theoretically hear a broadcast from anywhere else in the world. The frequency of operation, time of day, transmitter power, transmitter beam heading and angle of elevation, efficiency of receiving antenna, solar-terrestrial conditions, experience, useable receiver sensitivity and selectivity would all affect reception of a particular signal. As you can see, there are several variables in this "equation", and we have no control over any of them with the exception of our choice of receiver and antenna. Most of us have limited real estate which affects our choice of antenna. The size of our wallet also restricts our choice of receiver. And yes, there ARE some stations that you still could NOT hear even under optimum propagation conditions, depending of course, upon all of the other variables we mentioned previously.

While it is certainly true that an experienced SW listener (or DX'er) will be able to "outperform" a novice listener using identical equipment, there often comes a time when a DX'er "outgrows" a particular receiver. The useable sensitivity, that is the sensitivity of the receiver above its "noise floor" may not be sufficient to bag a particularly weak signal. The signal arriving at the receiver input terminal would simply be lost or "masked" by the internally generated receiver noise. Every SW receiver generates

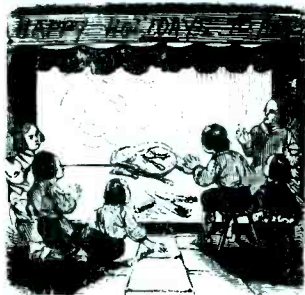
internal noise regardless of its design. The physics of electronic devices, whether they be tubes or transistors, determine the minimum attainable noise floor. Mother Nature has the final "say so" on how "quiet" a given electronic device may be. Poor, or what may be termed "cost effective" design, often significantly increases the intrinsic noise level. Inexpensive short wave receivers generally do not have sufficiently "quiet" front end circuits (primarily the RF amplifier and mixer circuitry) to permit detection of very weak signals. Top-of-the-line communication receivers usually contain circuitry and components which operate as quietly (as consistent with the state of the art) as possible. It is also possible that a DX'er or SWL'er could spend a great deal more on another receiver with fancy specifications, and find no *discernable* difference in performance.

Well, we are straying from our subject. We will have more to say on the subjects of sensitivity and selectivity in future columns. What we were really trying to say in the preceding paragraph is that it usually takes more than "optimum propagation conditions" to log and positively identify "real DX", whatever you may consider as "real DX"! An experienced DX'er or SWL'er will recognize extraordinary propagation conditions when they occur and "get while the getting is good"!

The path a particular signal takes on the journey from transmitter to receiver depends upon several factors. The signal may take several "hops" between the earth and ionosphere and back again before it is intercepted by our antenna. Every time the wave is refracted from the ionosphere or reflected from the surface of the earth, energy is lost (transferred) from the electromagnetic (EM) wave. Consequently, less EM wave energy is available to be converted into an electric current by our antenna after the signal has traversed a great distance.

There is an upper limit on the distance a signal may travel involving only a "single-hop". A single-hop would involve only one reflection from the ionosphere and the reflected signal would be directly intercepted by our antenna. The maximum single-hop distance depends upon the frequency of the transmitted signal and the "virtual height" of the dominant layer of the ionosphere which most significantly contributes to the refraction of the radio wave. Also, the angle (with respect to the horizon) at which the wave leaves the transmitting antenna is of critical importance. With a zero degree angle of incidence, the maximum single-hop distance would be about 1250 miles if reflected from the E layer and about twice that or 2500 miles if the signal was refracted from the F layer. Therefore, it is evident that many signals we receive must have arrived by some other "multiple-hop" path, if the transmitter is more than 2500 miles from our listening post.

We probably understand the fact that we could be "too far" from a particular station to extract sufficient energy from the arriving wave and subsequently detect the signal. After traveling considerable distance (involving many "hops"), the energy available at the receiver input terminals would not be sufficient to produce a signal above the inherent "noise-floor" of the receiver. It is also possible that we could be *too close* to a given transmitter to receive its signal. We could be located in such a position where we are beyond the range of the ground wave signal while at the same time being too close to the transmitter to receive the returning sky wave which has been reflected from the ionosphere. This is one possible explanation for the difficulty that some North American DX'ers have when trying to log the 49 MB regional Canadian shortwave stations such as CKFX, CFVP and others. Again, the angle of incidence of the wave as it leaves the transmitting antenna is the determining factor which would define the boundaries of this "no-signal" zone. (To be continued next month). Thanks to those who have contributed. C U in about 30 days! 73's,



## NORTH AMERICA AND THE CARIBBEAN

SEND DIRECT LOGGINGS  
BY THE 12TH  
TO:

Thomas F. Sable  
University of Scranton  
Scranton, PA 18510-2192

### ALASKA \*\*KNLS\*\*

6150 1004 JJ; Sixties rock mx; Beach Boys, Shirelles (444 Cichorek-NJ)(Anywodi-VA)

### ANTIGUA *Deutsche Welle relay\*\*British Broadcasting Corp. relay*

5975 0202 **BBC** World nx (555 10/27 Trescher-PA)(Kerrigan-IL)+2  
6040 0112 **DW** Soviet foreign minister in Paris (544 10/12 Wright-MB)  
6110 0015 **BBC** SS; Latvian protests, Zambia arrests (555 Rodriguez-Belize)  
6120 0505 **DW** "Newline," German press (333 10/15 Miller-CA)  
9690 0555 **DW** GG; YL and world nx (444 10/22 Kerrigan-IL)  
17760 2008 **BBC** Zhia's death: final report (444 10/16 Cichorek-NJ)

### CANADA *R. Canada International\*\*Northern Quebec Service\*\*BBC relay\*\*DW relay\*\* R. Japan relay*

5960 0130 **RJ** Traditional JJ mx in rural Japan (555 10/21 Brown-IL)(Trescher-PA)  
5960 0037 **RCI** FF; mentions Montreal (533 10/25 Trescher-PA)  
6070 0825 **CFRX** "Comedy Hour"(444 11/7 Alexander-NC)(322 10/16 Janusz-NJ)(Trescher-PA)  
6120 1110 **RK** Nx; baseball is popular in Japan (444 Fischer-WI)+1  
6130 0940 **CHNX** "Call 2020 Weather Line anytime!" (222 10/11 Cichorek-NJ)  
6160 0813 **CKZN** Mx, ads, protesters over garbage dumping are arrested (343 10/23 Brown-IL)  
9635<sup>nf</sup> 1312 **RCI** "North Country" Liberals take lead in polls (444 11/7 Westenhaver-QU)  
9755 0100 **RCI** Nx, "Listeners' Corner" (444 11/7 Alexander-NC)  
11775 1645 **BBC** Alistair Cooke analyzes the World Series (354 10/23 Janusz-NJ)(Kerrigan-IL)  
15260 1950 **RCI** FF; Ragtime mx, IS, ID (333 10/21 Miller-CA)(Trescher-PA)

### CUBA *R.Habana\*\*R. Rebelde relay\*\*Radio Moscow World Service relay*

5025 0027 **RR** SS; mentions Nicaragua (533 10/25 Trescher-PA)  
6060 0114 **RHC** SS; Commentary (533 10/25 Trescher-PA)  
6140 0232 **RHC** Nx about Nicaragua (555 10/25 Trescher-PA)  
9550 1430 **RHC** SS; ID, freq., Gromyko leaves presidency of USSR (455 Rodriguez-Belize) "Panorama nacional," mucho mx (555 10/13 Robinson-TN)  
9655 0000 **RHC** Peruvian economic crisis (555 10/14 Robinson-TN)(Woering-MA)  
9690 0202 **RHC** SS; News summary (423 Trescher-PA)  
11950 2000 **RHC** SS; YL presents nx of S. Africa (555 Robinson-TN)  
11970 0010 **RHC** Summer vacations in Nicaragua (433 10/15 Janusz-NJ)  
12000 2351 **RHC** SS; mx, IS, ID (242 10/18 Wright-MB)  
15155 2157 **RHC** SS; "Formalmente Informal"//11950 (444 10/18 Westenhaver-QU)

### MONTSERRAT \*\*Deutsche Welle Relay\*\*

9700 0313 **DW** World nx (523 Trescher-PA)

### NETHERLANDS ANTILLES *Radio Nederland\*\*Trans World Radio*

6165 0230 **RN** "Happy Station" 60th anniversary (444 11/7 Alexander-NC)  
9555 0445 **TWR** SS; Drugs and effects on human body (555 Rodriguez-Belize)  
9590 0230 **RN** IS, ID, nx, "Media Network" (544 11/3 Brown-IL)  
9630 0807 **RN** "Happy Station," "Listeners' Letters" (343 10/23 Brown-IL)  
9715 0752 **RN** "Over to You" results of October contest: Westenhaver wins book and T-shirt (343 11/5 Westenhaver-QU)(Kline-Australia)

- 9770<sup>nt</sup> 0842 RN "Newline" Dutch Prime Minister's visit to Indonesia (434 11/5 Westenhaver-QU)  
 15345 1120 TWR "Focus on the Family" (444 11/4 Alexander-NC)"Island of the Flamingos" (555 10/7 Robinson-TN)

PIRATES *War of the Words*

- 5890 1030 R. Liberacion SS; OM and YL discuss "San Jose, sandinistas, y guerra" (555 10/14 Robinson-TN)  
 6305 0900 V. C. I. D. SS; ID, freqs., talks of R. Marti, George Bush, and Miami (555 10/13 Robinson-TN)  
 9940 0230 V. C. I. D. SS; ID, Cuban involvement in Africa (53310/4 Wright-MB)

UNITED STATES OF AMERICA \*\**Voice of America*\*\**Voice of Free China*\*\**Radio Marti*\*\**Voice of the Organization of American States*\*\*

- 5950 0141 WYFR Religious mx, Mailbag (555 10/27 Trescher-PA)+1  
 5985 0040 VOFC CC; mx (555 10/25 Trescher-PA)(Levison-PA)+1  
 5995 0141 VOA Economy report, Bush ahead in polls (555 10/21 Brown-IL)(Ehly-IA)(Trescher-PA)+1  
 6030 0057 VOA SS; "Buenas Noches America" Mel Torme mx (534 10/25 Trescher-PA) 1152 EE; Mx standards with Willis Conover (555 10/29 Cichorek-NJ)  
 7355 0146 WRNO Jackson Brown number (544 10/20 Ehly-IA)(Trescher-PA)  
 7355 0950 WHRI Christian contemporary mx (433 11/1 Alexander-NC)(Robinson-TN)  
 9455 0151 VOA Sports, whales trapped in Alaska (555 10/21 Brown-IL)  
 9525 2231 RM SS; talk, IDs, world nx (544 10/12 Miller-CA)  
 9565 0728 VOA AA; sign on (444 10/23 Brown-IL)  
 9670 0209 VOA SS; mentions US-USSR (523 10/30 Trescher-PA)  
 9680 0209 VOFC China reunification (533 10/30 Trescher-PA)  
 9705<sup>nt</sup> 1109 VOA Wild West Cattle drives/9760 (343 10/20 Westenhaver-QU)  
 9840 0119 VOA SS; mentions Gorbachev, democracies (555 10/21 Trescher-PA)  
 9850 0250 WCSN "Letter Box" (323 11/5 Alexander-NC) Program about Bartok (534 10/21 Trescher-PA)  
 9870 0420 WCSN Nx, commentary, program sched, freqs (555 10/12 Miller-CA)  
 11740 0110 VOA World and Central American nx, IDs (545 10/21 Miller-CA)(Trescher-PA)  
 11830 2045 WYFR ID, contemporary relig. mx (555 10/30 Trescher-PA)  
 13695 0226 KVOH Religious prgm, ID, "Our Daily Bread" (444 10/29 Kerrigan-IL)  
 15120 0008 WYFR CC; martial mx, mentioned Philippines (333 10/27 Miller-CA)  
 15160 0018 V. OAS SS; Guatemala; El Salvador finance minister in Washington, ID (544 10/12 Wright-MB)  
 15170 1950 WYFR Biblical commentary (555 10/17 Trescher-PA)  
 15225 2025 WCSN Newsfocus on international use of torture (555 Kline-Australia)(Miller-CA)  
 15280 0029 KGEI SS: nx, song about southern California (544 10/21 Woering-MA)  
 15420 1830 WRNO Football game, beer ad (444 Rodriguez-Belize)  
 15580 2335 KUSW Rock mx, Ad for Network (333 11/2 Alexander-NC)(Trescher-PA)(Wright-MB)(Brown-IL)  
 17775 2300 KVOH "Pat Boone Show" (333 11/5 Alexander-NC)(Cichorek-NJ)  
 21525 1424 WYFR PP; ID, IS, Religious program (333 10/21 Miller-CA)  
 21615 1941 WYFR IDs, to Europe, religious program (333 10/21 Miller-CA)  
 21640 1800 WCSN Labor unrest in Poland (433 10/26 Cichorek-NJ)(Wright-MB)

William Miller writes about his difficulties with changing propagation. With the dramatic change in the sunspot cycle and the opening up of the 11 meter broadcast band, propagation predictions are helpful. There are many computer programs such as MUFLINE and MUFLOT that help determine and graph out the maximum and the minimum usable frequencies. Some programs even plot out the grey line and dawn/sunset data. Otherwise *Monitoring Times* and most of the major amateur radio magazines publish charts that predict propagation for the coming month. Believe me, these predictions are helpful and prevent a lot of listening to static and hiss. Tune to those higher frequencies in the months ahead.

Computer Users: The NACC BBS phone number: (717) 961-7687.

Remember to send the loggings to me by the twelfth of the month or our CDE:

David Jones, 2120 -C Mockingbird Lane, Box 8, Springfield, TN 37172

by the fifth of the month.

Bye for now,

*T.A.S.*



# LATIN AMERICA

CARL HUFFAKER

NEW ADDRESS\*NEW ADDRESS

DOMICILIO CONOCIDO  
HUASCA DE OCAMPO  
ESTADO DE HIDALGO  
MEXICO



FREQUENCIES in KHzertz

DEADLINE: 12th

TIMES/DATES in UTC

October 26, 12:00 UTC, the familiar OM/YL format of the VOA's news in Spanish booming in with a 444 signal at this rural QTH -- but on 4845 kHz! I turned on the recorder. During the 12:07 break, they announced that it was the 8:00 o'clock news from the United States of America and gave the VOA's 13, 16, 19, 25, and 49 meter frequencies as well as the 1580, 1530, and 1130 MW for their coverage of Central America. The news ended at 12:11 with "esta aqui las noticias" which was followed by a selection of Mexican music, and finally Radio Kekchi ID'd in Kekchi, the local language. There was no reference to the VOA. Was the broadcast pirated, or was it sponsored by some cloak-and-dagger slush fund? One wonders. Perhaps it was something for the Washington Post that they quote so frequently.

The move to this QTH cost me last month's column. I'd long considered Huasca. It's a three-hour drive from Mexico, a broad valley in the huasteca free from radio interference, and almost a DXpedition. But as often happens in Latin-America when a gringo blocks a property deal, a paid-off official made crossing a stateline highly desirable, so it was an unscheduled and rather hurried move.

I have a little house on a hill overlooking the town surrounded by cornfields with room for a major antenna farm. The electricity's installed and we'll finish installing the waterline in a couple of days which will make the cesspool functional. I put up a 16-element Yagi for the TV which brings in all of the Mexico City stations. The ICF-7601 brings in almost-DX on the whip, and I've realigned the shortwave receivers. At the moment, their antenna is only a wire on the ground through the corn, but last night I logged many of the South Americans with better than ever signals. It should be a good season.

The whole thing was sort of a homecoming. I've long been the godfather to a couple of the children here, and my compadres have decided that I'm one of the family, and it's an extended family that includes a good quarter of the local population with everyone eager to help.

I was somewhat limited in what I could bring. The radio gear took first priority, then station data, part of the library, the ship models, etc. I had to destroy many of my letter files, so I'm out of contact with many of you until you write again. I'll keep the PO Box in Mexico for a few months yet, but as I only intend to go there every week or so, the Huasca address will probably be faster. As always when I intend to retire, a business develops. There's no radio repair in the valley and most everyone wants me to fix something. Fortunately, I brought my junkbox of electronic parts, but I've specified "as long as it doesn't interfere with my DXing."

By the time this appears, the new format of the bulletin will have been announced. The Latin-American column will be reduced to two pages and the logs appear in the by-continent-by-frequency section, so send your loggings to the CDE or the editor of the appropriate section. I'll concentrate on station data and information on the stations and the culture of Latin America with what information I can add to help you identify the rare or difficult-to-receive stations. As always, I'll try to help with your UNID's, and if I can identify them, will send the information either by letter or in the column.



The BOD debated long, too long some say, on this change, but it is one that reflects the realities of, not only the international, but the cross-continent mail. Too many loggings arrived late and were not included in the columns, and several columns arrived too late for publication. And every editor faced the same problem, not using logs because they would be too old to be useful by the time they appeared, but logs that should have appeared because they represented a definite accomplishment on your part. I'm sure that the new format will not only better reflect your accomplishments, but will make the bulletin more useful during the month it is on your desk.

-----  
Here are some logs from Gabriel Barrera in Buenos Aires. All are from September, but the ID's of these difficult stations will be useful. I've omitted the dates and the signal strength as neither seem applicable to North American DXers. The time, of course, is UTC, and the language Spanish.

Bolivia

3474.5 00:39 R Padilla ID at 00:47 "R Padilla transmite en la frecuencia de 3475 kilocilos, 90 meters, desde Chuquisaca, República de Bolivia"  
4526.4 01:32 R Riberalta ID "comienza el programa 'Noches de Amigos' a través de Riberalta" (new frequency)  
4649.0 01:36 R Santa Ana  
4719.8 01:40 R Abaroa "Estamos con Abaroa", "La buena música por Abaroa"  
4864.5 10:00 R 16 de Marzo s/on with NA, Px "Amanecer Minero"  
4964.5 10:09 R Juan XXIII Px "Dime Porqué" 10:16 Px "Voces de Nuestra Tierra"

Chile

6030.2 11:30 R Santa María DX Px "DX Correo International" QTH Casilla 1, Coyhaique, Chile. v/s Pedro Andrade Vera, DX Editor

Peru

3230.1 09:41 R El Sol de los Andes "La emisora que palpita en la corazón del pueblo, El Sol de los Andes para toda el Peru"  
3330.4 02:52 Ondas del Huallaga "Muy amables amigos oyentes, vamos a la segunda entrega musical por Ondas del Huallaga"  
5059.0 04:38 R Lircay "11 de la noche con 37 minutos en los estudios de Radio Lircay"  
5916.0 01:52 R La Voz del Altiplano, Puno ID "Radio La Voz del Altiplano" (reactivated frequency)

Uruguay

4899.7 10:00 R Sarandí "Avanza la mañana, y tambien Gigantísimo en Radio Sarandí" "Primera Plana en Radio Sarandí" "Viva la Radio, viva Radio Sarandí" "Hasta mañana a las 21, aqui en Radio Sarandí"

Some of you collect station photos. When I was in Linares, I took a picture of XEUJ's building, the present one. It's 35 mm color, and typical of a small station in old Mexico. I'm sending the negative to Ed along with this column. Contact him for details if you'd like a print.

73 *CD*

**REPORT**Daniel J. Sampson  
P. O. Box 31  
Independence, WI 54747-0031Deadline: 12th  
Times/Dates: UTC  
Frequencies: KHz

Destination:	_____
Seat	_____
Window	_____
Center	_____
Aisle	_____
Flight	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Row	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
BOARDING PASS	

**REPORT**

Your editor here had a rude awakening on 11/5 at 4:15 a.m. CST. At my father's house which I moved away from 11 months ago we had a fire. I still go there on weekends. I was the only one in the house at the time along with the cat & dog. We all got out of the house safely. The kitchen received moderate damage with smoke damage to the rest of the house.

**ALBANIA Radio Tirana**

7165 \*2200 RT FF; IS, ID "Ici R. Tirana," nx (343 10/22 Prath-FL)  
 7215 2247 RT EE; folk song from area of Krujë, comment on U.S. Pres. campaign (333 10/20 Cichorek-NJ) 2247 EE; U.S. aid to contras, U.S. nuclear test in Nevada (533 10/15 Wright-MB)  
 9375 0502 RT GG; ID as RT's 2nd GG pgm, OM tlk about Enver Hoxha's student days in France (343 10/16 Westenhaver-QU)  
 9480 1410 RT FF; political problems in Yugo., metal production in Albania, YL w/ ID (444 10/2 Dillon-Greece)  
 9760 0135 RT SS; ment Tirana, Alb. mx (555 10/30 Trescher-PA)

**AUSTRIA Radio Austria International**

6155 0453 RAI EE; recipe for potatoes stuffed w/ leeks, closing anmt, // 6015 (333 10/9 Westenhaver-QU)  
 9870 2243 RAI EE; mx, description of the smallest Austrian province (322 11/1 Brown-IL) 2320 GG; Austrian mx, tlk, ID, SS nx 2330, noticiero de Austria (333 10/8 Miller-CA)  
 13730 1230 RAI EE; zither mx, Austrian Federalism, Pres. Waldheim speech in GG (545 11/2 Robinson-TN) 0832 EE; wld nx, ID, pgm on Austrian composer (232 10/17 Kerrigan-IL) 0843 EE; ID, comments on Yugo., Austrian youth (535 9/29 Levison-PA)  
 15410 0435 RAI EE; Today in Focus, composer of The Dachau Song, Austrian driving habits (352 10/1 Kline-Australia)

**BELGIUM Belgische Radio en Televisie**

9925 0035 BRT EE; Radio World, P.O. Box 26, (334 10/16 Miller-CA) 0056 EE; Brussels Calling, ID, 0058\* (444 10/5 Woering-MA)  
 17585 1205 R-TV Belge de la Communaute Francaise FF; wld nx, spts, futbol, rpt from Washington DC on election, science & medical nx, EZL mx (433 10/17 Dillon-Greece)  
 21810 1642 BRT EE; Belgium Today, tourism (111 10/14 Miller-CA)  
 21815 \*1330 BRT EE; ID, opening anmts by Colin Clapson, Radio World, // 17555 (343 10/15 Westenhaver-QU)

BRT has gone back to 9925 at 2200 & 0030 UTC, ex-9675. (Westenhaver-QU)  
 BRT has changed freq at 1330 UTC to 17560 ex-17555. (Radio World 11/12)

**BULGARIA Radio Sofia**

6070 \*2100 RS FF; IS, ID, nx, // 9700 (232 10/8 Prath-FL)  
 7115 2230 R. Moscow relay EE; Soviet-Japanese conf., intvw w/ Austrian businessman (444 10/20 Wright-MB)  
 7670 0411 RS Bulgarian; Bulgarian mx (555 9/24 Trescher-PA)  
 9700 0020 RS EE; editorials from Bulgarian nxpapers (222 11/7 Alexander-NC) 2100 FF; Edith Praf sings 'La Vie en Rose' (545 10/11 Robinson-TN)  
 11710 0100 RS SS; IS, ID, wld nx (523 10/18 Trescher-PA)

**CZECHOSLOVAKIA Radio Prague**

6055 2209 RP EE; nx, into Czech pop mx pgm (444 10/8 Prath-FL)  
 9540 0100 RP EE; Newsview, int'l day of tourism (544 9/28 Wright-MB)  
 9740 0210 RP SS; ID, contemporary Czech mx (555 9/25 Trescher-PA)  
 11685 2338 RP SS; pgm Studio 24 w/ Czech folk mx--that's folk as in Joan Baez, not peasant-type folk mx (443 10/22 Westenhaver)  
 11910 2100 RP FF; ment Czechoslovakia (533 10/30 Trescher-PA)  
 11990 0302 RP EE; nx, U.N., rel affairs in Czech. (434 10/9 Levison)  
 21505 1815 RP EE; pop mx pgm to Afr, ID, 1823\* (242 10/29 Prath-FL)

**DENMARK Radio Denmark**

15165 2346 Danish; OM vocal, comments, EE ID (434 9/4 Levison-PA)

**FINLAND Radio Finland**

9635 0338 RF EE; Finnish Minister of Defense defends an airplane contract, pollution damage (322 10/13 Brown-IL)  
 11945 1420 RF EE; highlights, problems of women in developing countries, Science Horizon (454 10/8 Wright-MB)  
 15185 1517 RF EE; tlk on housing shortage (232 10/16 Janusz-NJ)

**FRANCE Radio France International**

9790 0132 RFI FF; ment Chile, Yugoslavia, Paris (555 10/21 Trescher)  
 15300 0836 RFI FF; FF pop mx, ID, // 15180 (454 10/3 Kline-Australia)  
 17795 1632 RFI EE; listeners letters, mx (322 10/23 Wright-MB)

**GERMAN DEMOCRATIC REPUBLIC Radio Berlin International**

6040 0208 RBI SS; YL w/ comtry, opera mx (555 9/18 Trescher-PA)  
 6080 0119 RBI EE; DX pgm, harmonic DXing (555 10/25 Trescher-PA)  
 6125 2215 RBI EE; tlk about Warsaw Pact (444 10/29 Prath-FL)  
 11750 0353 RBI EE; Olympic past & present (353 10/2 Kline-Australia)  
 13610 2108 RBI FF; tlk on Chilean election (343 10/16 Janusz-NJ)  
 17880 1239 RBI EE; nx, Asian svce, record played for 17th birthday of Australian listener, // 21540 (343 10/13 Westenhaver-QU)

**GERMANY, FEDERAL REPUBLIC OF Deutsche Welle**

3995 0334 DW GG; bouncy Doc Severinsson-type mx, GG tlk in what sounded like a ghost story (444 10/24 Janusz-NJ) 2358 GG; YL group singing a song, ID, nx (433 11/3 Bishop-NY)  
 4465LSB 0033 RFE/RL unid; 2 tlks going on at the same time (433 10/21 Bishop-NY)  
 4565 0014 RFE/RL unid; OM tlking (322 11/4 Bishop-NY)  
 6030 0610 Süddeutscher Rundfunk GG; pop mx, Stevie Wonder, 'Blue Bayou' (333 10/20 Russell-AL)  
 6085 0220 Bayerischer Rundfunk GG; oldies & EZL mx, ID @ 0231 (544 10/3 Wright-MB)  
 6145 0147 DW EE; Larry Wayne, in Germany you have to study 32 hrs to receive your fishing licence (444 10/21 Brown-IL)  
 7265 0740 Sudwestfunk GG; EE pop/light rock, goofy 'booing' noise ID @ 0744 (232 10/16 Janusz-NJ) 0655 GG; rock mx, ad, time pips @ 0700, time given as "acht uhr," nx, U.S. songs, TC's, no ID but ment "auf Baden Baden" (454 10/15 George)  
 9545 1915 DW AA; AA mx, wld nx, human rights (444 10/4 Dillon-Greece)  
 9735 0100 DW EE; ID, sked, nx, // 9565 (545 10/5 Woering-MA) 0606 GG; nx, possible trip of S. Korean leader to the North (554 10/4 Kline-Australia)  
 15185 0559 DW EE; nx, politician Franz Josef Strauss dead at 73, Morning Magazine (353 10/4 Kline-Australia) 0608 EE; wld nx, World Bank, missiles development (333 9/27 Kerrigan-IL)  
 15390 1933 DW EE; Africa This Week, Man & His Environment, Greenhouse effect discussed, ecology in India (333 10/15 Cichorek-NJ)  
 21600 1535 DW EE; tlk about American rock 'n roll groups performing in Germany, // 17810 (343 10/16 Prath-FL)

**GREECE Voice of Greece**

7420 0135 VOG EE; EE s/off @ 0140, "This is Athens. You've been listening to the V. of Greece." (333 10/20 Russell-AL)  
 9425 2222 VOG Greek; melancholy folk mx, "Edo Athens" @ 2231 (422 10/16 Janusz-NJ)  
 9700 1907 VOA relay EE; nx, Pope John Paul's visit to France, demonstrations in Yugo. (533 10/9 Kline-Australia)  
 9705 1137 VOA relay EE; records by Guns & Roses, Thunderella, & other cultural artifacts of our modern age (232 10/25 Janusz-NJ)  
 15205 0518 VOA relay EE; VOA Monday Morning, That & More, upcoming Supreme Court cases (353 10/3 Kline-Australia)

**HUNGARY** **Radio Budapest**  
6110 2300 SS; IS, ID, nx, // 11910 & 9835 (322 10/19 Prath-FL)  
9835 0132 EE; DX item, freq & times, info on joining club (434 9/7  
Levison-PA) 0208 EE; comtry on a Hungarian engineer who  
worked for & with Henry Ford (333 10/15 Levison-PA)

**ICELAND** **Iceland State Broadcasting Service**  
17558 1945 Icelandic (tent.); boring tlk mostly by OM, some YL, ID  
"Utvarp Reykjavik," 2010\* (343 10/24 Russell-AL)

**ITALY** **Radiotelevisione Italiana**  
9575 0045 RAI II/EE; nx, tlk, IS, ID as RAI Rome, YL w/ freq (332  
10/14 Miller-CA) 0031 II/EE; disc. on TV pgms, EE @ 0100,  
nx, mx until 0120, into FF (433 10/4 Wright-MB)  
11905 0352 RAI EE; Austrian diplomat tlks of Italian accomplishments  
(333 10/13 Brown-IL)  
21690 1647 RAI AA; nx, 1649 "RAI" ID, sked (444 10/16 Westenhaver-QU)

**LUXEMBOURG** **Radio Luxembourg**  
6090 0115 EE; Great Britain & American pop mx (433 10/17 Bishop-NY)  
0207 EE; rock mx, ID, R. Luxembourg power play (555 10/23  
Trescher-PA)  
15350 1907 FF; FF & EE pop songs w/ 2 DJs, ads (343 10/16 Wright-MB)

**MALTA** **Voice of the Mediterranean**  
4880 0337 DW relay EE; blood doping is a major issue, kidnapping in  
Sardina, Malta ID (333 11/2 Brown-IL)  
9765 0658 VOM EE; wld nx roundup, Wld Bridge roundrobin, U.S.  
expected to win blue ribbon, "and that was news roundup be  
Voice of the Mediterranean" by YL @ 0659, into AA svce (222  
10/11 Cichorek-NJ) 0606 EE; short features by YL, history  
journey thru Yugo. @ 0631, 0659\* (10/23 D'Angelo-PA)  
21650 1317 DW relay CC; OM/YL closing anmts w/ DW address, bit of  
Beethoven's 'Ode to Joy,' EE transmitter site ID, 1320\*  
(243 10/15 Westenhaver-QU)

**MONACO** **Trans World Radio-Monte Carlo**  
9480nf? 0823 EE; training missionaries in the U.K. (443 10/16 Janusz-NJ)

**NETHERLANDS** **Radio Nederland**  
6020 0230 RN EE; ID, wld nx (555 10/27 Trescher-PA)  
9895 0230 RN EE; wld nx, money laundering in LAM (444 10/27 Ehly-IA)  
11930 1240 RN SS; lovely Spanish guitar mx, ID (232 10/15 Cichorek-NJ)

**NORWAY** **Radio Norway International**  
15310 1410 RNI EE; tlk of environmental issues (454 10/30 Cichorek-NJ)  
21700 1734 RNI Norwegian; mx selection, singing station s/off @ 1747  
(343 10/8 Levison-PA) 1720 Norw.; Norw. comtry, guitar folk  
mx (343 10/13 Thunberg-PA)  
21730 \*0656 RNI Norwegian; IS, ID, sked, OM w/ nx, interviews, spts,  
0745\* (444 10/24 Matsushita-Japan)  
25730 1217 RNI Norwegian; rpts about political parties & b/cing,  
listing foreign exchange rates (242 10/15 Westenhaver-QU)

**POLAND** **Radio Polonia**  
7125 2230 EE; tlk about Polish internal politics (343 10/17 Prath-FL)  
7270 2323 EE; pop mx vocals in Polish, new Polish cabinet & agenda of  
1st cabinet meeting (444 10/22 Cichorek-NJ) 2306 EE; nx,  
comments on the Party, club nx (333 9/6 Levison-PA)

**PORTUGAL** **Radio Portugal**  
9600 0239 RDP EE; wx rpt, ID, QRM (523 9/23 Trescher-PA)  
9705 0229 RDP EE; nx, Port. offers aid to Angola, wx (433 11/1 Brown-  
IL) 2200 PP; vocals/orchestra, ID, traditional mx (great  
guitars!, 2 OM tlk of Mario Soares (545 10/25 Robinson-TN)  
15285 1740 RDP PP; OM w/ tlk, ID, severe QRM (111 10/1 Miller-CA)  
21665 0900 R. Free Europe Polish; bell, ID, Om w/ nx (353 10/15  
Matsushita-Japan)

**ROMANIA** **Radio Bucharest**  
5490 0216 RB EE; cl mx, answering letters (333 10/13 Levison-PA)  
9570 0311 RB SS; ID "Aqui R. Bucharest, Romania" (555 9/24 Trescher)  
9690 \*2100 RB EE; nx, tlk about Romanian history (343 10/29 Prath-FL)  
11832 0121 RB RR; orchestral concert, ID @ 0122 (323 10/5 Woering-MA)

SPAIN Radio Exterior de España

11945 2335 SS; LAM nx briefs 2337 ID "América América... en R. Nacional de España," Spanish footballers playing abroad (433 10/25 Westenhaver-QU)  
 17890 1715 SS; tlk of Barcelona, rpts from very excited correspondents (444 10/23 Wright-MB)

SWEDEN Radio Sweden

9695 0239 RS EE; nx, Swedes in trial in Texas for dumping nuclear waste, Sweden Calling DXers (444 10/25 Brown-IL)  
 11950 0233 RS EE; income taxes in Sweden, sales tax (444 10/17 Miller)  
 15345 1422 RS EE; story on archaeologists (333 10/20 Russell-AL)  
 17880nf 1705 RS Swedish; to NAM, tax reduction proposal, conf. in W. Germ., doping scandal in Swedish spt (544 10/30 Anywodi-VA)  
 21615nf 1400 RS EE; IS, nx, new Gov't proposal to help labor shortage, mew restrictions on Soviet asylum (544 10/26 Anywodi-VA)

R. Sweden made a freq change in its 1400-1430 UTC b/c by replacing 17860 by 21615. (Sweden Calling DXers 10/26)

SWITZERLAND Swiss Radio International

9535 0730 EE; aftermath of hurricane Joan, Minister says it shouldn't cutback on the military, Roundabout Switzerland (333 10/23 Brown-IL) 1858 GG/II; piano mx, ID in GG, time pips, ID in II, wld nx in II (444 10/4 Dillon-Greece)  
 17830 1530 EE; nx comtry, ques. & answers (434 10/12 Levison-PA)

UNITED KINGDOM British Broadcasting Corporation

6080 0200 VOA relay Armenian; sig. tune, ID, QRM de RBI (523 10/25 Trescher-PA)  
 6140 2059 RCI relay RR; end of RR pgm into IS (322 10/16 Bishop-NY)  
 \*2100 VOA relay RR; RR pgm (322 10/16 Bishop-NY)  
 6150t 2105 VOA relay unid; tlk about George Bush (322 10/16 Bishop-NY)  
 7200 0650 VOA relay EE; political comtry (555 9/16 Trescher-PA)  
 7260 0428 BBC EE; review of British Press (555 10/30 Trescher-PA)  
 9760 0203 VOA relay Ukrainian; ment America, Israel, Ukraine (555 9/25 Trescher-PA)  
 11680 0015 BBC SS; gave freqs, Big Ben chimes (534 10/18 Trescher-PA)  
 11760 2000 VOA relay EE; nx, cosmonaut space walk, U.S. troops in S. Korea (433 10/20 Kline-Australia)

VATICAN CITY STATE Vatican Radio

6190 2104 VR SS; sounds like SS for Eur (433 10/16 Bishop-NY)  
 11715 0515 VR EE; nx, Air Vietnam flight crashes in Bangkok (323 9/11 Fischer-WI)  
 15120 1830 VR EE/Latin; YL & congregation in a prayer mode, wld nx in EE (333 9/19 Levison-PA) 1940 SS; IS, ID, Latin Mass (534 10/17 Trescher-PA)

YUGOSLAVIA Radio Yugoslavia

9620 0100 RY EE; tlk of peacekeeping forces of U.N., Nobel Peace Prize, pop singing (545 10/22 Robinson-TN) 0136 EE; Science & Technology Rpt including item on rescuing the Point Barrow whales (333 10/28 Westenhaver-QU) 2215 EE; nx until 2220, inst mx (322 10/4 Woering-MA) 0100 EE; political comments, Belgrade, Federal budget (433 10/19 Levison-PA)  
 9660 \*2200 RY EE; // 5980, 7130, 9620, pgm details, nx (433 10/21 Westenhaver-QU) 0101 EE; nx, Lebanese Army, Bulgaria, faint jamming, social control, // 9620 (232 10/28 djs-WI) 2235 EE; new cruise ship, economic review, easier border crossing into & out of Yugo. (434 10/4 Woering-MA)  
 15325 1301 RY EE; nx, ME crisis, demonstration in Prague, Coie visit to Moscow, new hotel in Kampala, U.S. Pres. election, 1329\* (444 10/29 djs-WI) 1258 EE; fanfare, tlk about domestic political tensions (333 10/15 Westenhaver-QU) 1300 EE; nx, comtry, target areas incl. NAM (433 10/30 Anywodi-VA)

INTERNATIONAL WATERS

6215 0300 R. Caroline EE; rock, lotto ads, "on 558 & 6215 kHz, This is R. Caroline" @ 0301, rel pgm @ 0655, "This pgm will bring you happiness" (243 10/16 George-MA)  
 2139 World Mission Radio EE; rel pgm (tent.) (221 10/16 Bishop)

*73's David*

# U S S R

## LOGGINGS AND INFORMATION

Mail Monthly Contributions to

EDITOR: Jason Berri, 21240 South Western Avenue, #18, Torrance, CA 90501 U.S.A.

Lots of logs and info this month, so away we go ...

DECEMBER 1988

U.S.S.R. Radio Moscow Radio Kiev Radio Vilnius Radio Tashkent  
Radio Station Peace and Progress Radio Yerevan

- 4940t 0409 Ukraine R. (DS2)-Kiev (RDI): Ukrainian?; Vaudeville mx w/  
punk-rock singer (that must have been interesting -ed), IS  
on harmonium @ 0415, tlk, no ID (242 10/24 Janusz-NJ)
- 5905 2228 RSP&P: EE; end of pgm w/ s/off anmt, IS (343 10/10 Prath-FL)
- 5935 0623 RM (DS2)-Riga (ILG): RR; jazz mx, tlk, IS (252 10/16 Janusz)
- 5940 2255 RM: EE; RMWS into Mayak @ 2300, // 7240 (232 10/17 Prath-FL)
- 7105 0138 RM-Simferopol (UHN): SS; Chernobyl rpt (444 10/26 Ehly-IA)
- 7165 0048 RM-Simferopol (UHN): EE; motherhood vs. workplace rights,  
jingles up to 0100, // 7195 (543 10/25 Janusz-NJ)
- 7175 1352 RM: EE; mx pgm featuring Soviet Army Choir, ID, @ 1400 into  
unid lang. (554 10/8 Kline-Australia)
- 7195 2328 RM-Simferopol (ILG): EE; Igor Brill jazz group w/ Duke  
Ellington tunes (544 10/21 Cichorek-NJ) (Trescher-PA)
- 7240 2250 RM: EE; mx, "Focus on Asia & Pacific" (333 10/24 Prath-FL)
- 7290 0142 RM-Lvov (UHN): EE; US perceptions on perestroika, visits to  
USSR (433 10/26 Ehly-IA) (Trescher-PA) (Janusz-NJ)
- 7300 0359 RM-Armavir (UHN): SS; "R. Moscu Internacional" svc (555  
10/30 Trescher-PA)
- 7310 0356 RM-Serpukhov (ILG): RR; RR mx (533 10/30 Trescher-PA)
- 7320 1132 Magadan R.-Yakutsk (RDI): RR; OM/YL w/ EZL mx, @ 1200 5 TP  
& ID w/ "Yakutsk" hrd, presumed nx w/ ment. of perestroika  
(323 10/30 Cichorek-NJ) (Trescher-PA) (Thanks for the nice  
details Edward -ed)
- 7400 2350 Radiostantsiya Rodina: RR; OM/YL w/ tlk "perestroika", mx  
(444 10/29 Sable-PA)
- 9470 0340 RSP&P-Yerevan (ILG): SS; ID "Paz y Progreso" (533 10/30  
Trescher-PA)
- 9470 1355 RM (DS2)-Minsk (RDI): RR; clas. mx, YL ancr, RM IS, TP, wld  
nx, Mayak ID, choral mx (433 10/2 Dillon-Greece)
- 9540 1219 RT-Tashkent (RDI): EE; "Life in the Country" w/ visit to a  
state farm, ID @ 1224, mx, @ 1228 "signing off till 1330  
UTC." (333 10/5 Westenhaver-QU)
- 9580 0606 RM-Blagoveshchensk (RDI): EE; live call-in show discussing  
environmental issues (554 10/29 Kline-CA)
- 9600 2159 RM-Kiev (ILG): FF; "Kalinka" IS, Kremlin bells, TC & ID into  
nx, Koed by BBC @ 2201 on 9590 (222 10/22 Westenhaver-QU)
- 9640 2337 Radiostantsiya Rodina: RR; political tlk, interview w/ YL,  
ID @ 2357 (533 10/17 Wright-MB)
- 9640 0039 RM-Lvov (RDI): EE; nx, 1989 Ukraine economic developments  
(434 10/5 Woering-MA) (Robinson-TN)
- 9640 2300 RV-Lvov (RDI): EE; tlk of Lithuanian constitution (555 10/7  
Robinson-TN) (Cichorek-NJ)
- 9685 1212 RM-Irkutsk (ILG): CC; OM ID "Mosuko guangbo diantai" & anmt,  
translation of interview w/ RR OM (242 10/27 Westenhaver-QU)
- 9735 2235 RM-Armavir (UHN): EE; RR folk songs w/ YL ancr, ID @ 2258  
(444 10/20 Cichorek-NJ)
- 9810 0132 RM-Ryazan (ILG): RR; OM & YL tlk, correspondent rpt, ment.  
of Nicaragua (544 10/3 Wright-MB) (Trescher-PA)
- 9810 0701 RM (DS1)-Khabarovsk (RDI): RR; YL w/ operatic ballads, folk  
mx, nx on hour (434 10/28 Sable-PA)
- 9820 0317 RM-Kazan (ILG): SS; ID, pgm "Asi en el Mundo", into tlk abt  
aid to Nicaragua (343 10/27 Westenhaver-QU) (Trescher-PA)

9865 0136 RM-Simferopol (UHN): SS; ment. of perestroika, ID as "Radio Moscu Internacional" (555 10/15 Trescher-PA) (Ehly-IA)

9875 2000 RM-Komsomolsk?: EE; nx, perestroika, conf. on agriculture, political & economic reform, mx (433 10/16 Wright-MB)

9880 0309 RM-Vinnitsa (UHN): SS; nx, Argentina/Soviet relations, mx, ID @ 0350 (544 10/5 Wright-MB) (Trescher-PA)

11785 1200 RT-Tashkent (RDI): EE; listener letters, DX club nx, mx, TC (545 10/16 Robinson-TN)

11930 1022 RM (DS1)-Armavir (RDI): RR; OM ancw w/ oldies incl. "Locomotion" & "Twist & Shout" (333 10/8 Cichorek-NJ)

12010 0145 RM-Kazan: EE; tlk on USSR schools, ID (545 10/23 Miller-CA)

12010 1215 RM: RR; EZL mx to 1229, IS, 1230\* (343 10/29 Prath-FL)

12030 0839 RM: EE; jazz mx pgm to 0858, IS (352 10/1 Kline-Australia) (Culp-DC) (Any ideas on the site for this one? I would say Petro-Kam, but the 352 SIO above casts some doubt -ed)

12050 2320 RM-Khabarovsk (UHN): SS; ID, tlk abt Afghanistan (444 10/15 Prath-FL) in EE (Miller-CA) (Culp-DC)

12055 1645 RSP&P-Armavir (RDI): EE/RR; "Quotes from a British Moralst" into RR @ 1700, mx, tlk (343 10/23 Wright-MB)

12060 2045 Radiostantsiya Rodina: RR; OM & YL tlk, ID @ 2057, piano mx, tlk abt Gorbachev @ 2100 (343 10/23 Wright-MB)

13605 0102 RM-Khabarovsk (ILG): EE; YL w/ wld nx, "Outlook" (534 10/9 Trescher-PA) (UHN lists Petro-Kam as the site -ed)

13645 0412 RM-Komsomolsk (UHN): EE; ID-"Outlook" (555 10/9 Trescher-PA)

13645 0345 RY-Komsomolsk (UHN): EE; mx, nx items (434 10/30 Levison-PA)

13645 0035 RK-Komsomolsk (UHN): EE; nx- studio visitor commenting on RR revolution (343 10/8 Levison-PA)

13645 2305 RY-Komsomolsk (UHN): EE; tlk abt Lithuanian Communist Party (333 10/22 Prath-FL)

13725 2259 RM: RR; Mayak IS, ID, tlk, into mx (343 10/21 Prath-FL)

15140 0502 RM-Ryazan (RDI): EE; Olympic medal totals, tlk abt democracy & glasnost, QRN (342 10/3 Kline-Australia) (Wright-MB)

15180 0349 RY-Komsomolsk (RDI): Armenian/EE; mx, nx summary in EE (433 10/25 Trescher-PA)

15260 0518 RM-Baku (RDI): EE; US presidential campaign, economic aid, nx summary (554 10/15 Wright-MB) (Kline-Australia)

15300 \*1200 RM-Novosibirsk (ILG): CC; YL/OM ID, anmt, tlk, QRM de co-chan RFI (222 10/12 Westenhaver-QU)

15315 2223 RM-Irkutsk (RDI): Indonesian; OM/YL tlk, mx, closing anmts @ 2328 w/ "R. Moscowaa", 2329\* (242 10/25 Westenhaver-QU)

15455 0322 RK-Petropavlovsk Kamchatskiy (RDI): EE; "Mailbag" pgm, ID (532 10/9 Trescher-PA)

15455 2305 RY-Petro. Kam. (RDI): EE; tlk abt local elections (333 10/24 Prath-FL) (Levison-PA)

15460 1232 RM-Moscow (RDI): EE; soviet & american jazz artists, folk song @ 1244, // 15475 (444 10/30 Cichorek-NJ) (Valentine-CA)

15470 1225 RT: EE; ID, ancmt of contest winners, ID & freq. @ 1227, 1228\* (322 10/30 Cichorek-NJ)

15475 1200 RM: EE; ID, nx, "News & Views" (333 10/29 Prath-FL)

15540 1240 RM-Minsk (RDI): EE; RR pop mx, // 15530 (333 10/15 Prath-FL)

17645 1404 RSP&P: EE; nx- Greek-American tlk on US bases, International Youth Festival, ID (553 10/8 Kline-Australia) (Culp-DC)

17850 0030 RM-Khabarovsk (RDI): EE; OM w/ science fiction story (433 10/26 Valentine-CA)

17860 1235 RM-Lvov (ILG): EE; "Jazz Show" w/ Karl Yegorov, co-chan. QRM de RFI (433 10/13 Westenhaver-QU) (Wright-MB)

17875 1309 RM: FF; YL ID, OM w/ tlk (322 10/15 Westenhaver-QU)

17880 \*2300 RM-Irkutsk (ILG): Indonesian; "Inilah R. Moscowaa, suara ... Soviet" & mb sked for all bcsts, OM w/ nx, // 15315 (433 10/28 Westenhaver-QU) in EE @ 0704 (Kline-Australia)

Thanks for your tremendous support of over 100 loggings this month! Relay loggings for 6000 & 6170 (Havana) and 7230 & 17595 (Plovdiv) were received this month. I also received my first ILG (S88), but this is a short version which doesn't contain any info for domestic USSR transmitter sites. On the same day came UHN #64, both of which were used along with the 1989 PWBR (RDI) in preparing this column.

UHN #64 says 9890 is via Lvov, which ended on Nov. 5 according to the new RM S88 frequency sked that is now in bar graph form. The following sked for R. Tikhly Okean was received directly from RM by David Culp: 0815-0900 7260, 7270, 7345; 1930-2030 6180, 7300, 9825 (till 4/4/89). 0815-0900 9580, 12010, 12050; 1930-2030 9505, 11665, 12035 (from 4/5/89). I have more info but no more room! CU all next month, bye. -Jason

# Africa

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All times and dates UTC: Frequencies in Khz: \*0000 = s/on, 0000\* = s/off.

Submission Deadline is the 12th.

## COLUMN FOR DECEMBER, 1988

### ASCENSION ISLAND

- 9515 0230 BBC Relay: EE; Brit nx: teacher strike settled. 222(10-9 Fischer-WI)  
11860 0750 BBC Relay: EE; tlk with someone in Cairo about dolphins; into world nx at  
0800. 333(10-31 Alexander-NC)  
15260 0205 BBC Relay: EE; World nx; Brit press review @0209; beamed to  
southern/eastern SAM, but usually good here. 444(10-16 Westenhaver-QUE).  
@2015 w/24 Hours..555(10-15 Trescher-PA)  
15400 1501 BBC Relay: EE; in after Finland s/off w/nx abt Ralestine disturbances.  
222(10-13 Cichorek-NJ). @1705..332(10-16 Miller-CA)  
17885 1911 BBC Relay: EE; "Hymn to the Waters" on classical record review. 444(10-16  
Cichorek-NJ)

### BOTSWANA

- 4820 0405 R. Botswana: SetS/EE; ID, lcl wx and nx, into Nancy Wilson mx. 444(10-18  
Miller-CA)

### BURKINA FASO

- 4815 2204 RTV Burkina: FF; pres nx by M, "Ici Burkina" ID @2206, then great selection  
of FF and Afro mx. 222(10-5 Cichorek-NJ)

### CENTRAL AFRICAN REPUBLIC

- 5034 2105 R. Centrafrique: FF; nx to 2110, 2 "R. Centrafrique" IDs, pgm "Anthologie,"  
feat poetry read over violin mx. 333(10-30 George-MA)

### CHAD

- 5286.3 0455 R. Mondou: FF; xylo IS 0455, kids NA 0458; "Ici Mondou" by M, freqs/skcd,  
"Bonjour mesdames, bonjour mademoiselles, bonjour messieurs," into lcl nx.  
UTE GRM. 322(11-6 George-MA)

### COTE D'IVOIRE

- 6015 0653 R. Cote d'Ivoire: FF; ID, promo for nx; laundry detergent ad, TC and reggae  
mx; @0700 nx: first domestic items, Bush/Dukakis much later. 242(11-9  
Westenhaver-QUE)  
7215 0600 R. Cote d'Ivoire: FF; freqs & skcd, M greets listeners, quickly into nice  
hילה mx. //weaker 4940, 6015 nearly KO'd by WYFR in FF. 343(11-9  
George-MA)  
11920 2130 R. Cote d'Ivoire: FF; 2 M radio drama - much hilarity in studio! 545(10-9  
Robinson-TN). 534(110-30 Trescher-PA). 333(10-17 Miller-CA)

### EGYPT

- 9475 0210 R. Cairo: EE; AA mx, W ancw w/R. Cairo ID. 333(10-8 Miller-CA)  
9900 2207 R. Cairo: EE; Art in Egypt, Egyptian mx; world nx. 343(11-6 Brown-IL).  
545(10-9 Robinson-TN). 432(10-27 Ehly-IA)



**EQUATORIAL GUINEA**

- 4926 2221 R. Nacional (t): 55; long speech by M, occ applause, mni ments "Nacional;"  
 mx @2248, W tlk. Two years ago I had them for 10-12 Independence Day, so  
 possible! 353(10-11 D'Angelo-PA)
- 9553 2127 R. Africa: EE; Albert Chambers talking about Christ on the cross in pgm,  
 "World Vision for Christ;" gave London address. 353(10-3 Kline-AUSTRALIA)

**GABON**

- 4830 1935 Africa #1: FF; 2 M in interview re history & culture. Note the time!  
 Earliest clear reception on 60m in several years at this site. 343(11-6  
 George-MA). @2202 w/EE ID, hilife mx..252(10-24 Janusz-NJ)
- 11800 2302 R. Japan Relay: EE; nx: copyrights, oil imports. 333(10-27 Levison-PA).  
 333(10-27 Brown-IL). 534(110-27 Miller-CA)[You 3 guys forming some kind  
 of NHK Listeners' Group? All listening same date/time/freq!-ed.] 433(10-  
 13 Wright-MB)
- 15475 1859 Africa #1: FF; lots of African rock mx (very boring)[..to each their own! -  
 ed.]. 544(10-6 Woering-MA). 444(10-10 Cichorek-NJ). 333(10-15 Miller-CA)
- 21700 1630 RJ Relay: JJ; choral mx, M tlk, JJ folk song, disc between M & W. 242(10-2  
 Wright-MB)

**GHANA**

- 4915 0540 GBC: VN; lcl chants & drums, M ID; poor but audible. 121(10-50 Miller-CA)

**KENYA**

- 4934 1958 VO Kenya: EE; nonstop oldies & rock to 2058, then M announces pgm was  
 "Lifebeat" ("Lovebeat?"), ID "This is the Voice of Kenya, Nairobi." EE nx  
 to 2103, same ID, brief rel tlk, ID & TC, @2106 choral NA, close @2107\*.  
 Some days as early as 1945! 253(10-23 George-MA). 242(11-20 ed.)
- 6150 1942 VO Kenya: Swahili; pgm of lovely acapella tribal group chants, M tlks abt  
 each selection; pgm ends @1957, then quick "..Kenya Nairobi" ID, lcl jump  
 mx. Still audible when Romania IS began on freq @1958, but hopeless after  
 VOA Czech Sce s/on at 2000. 333(11-20 ed.)

**LIBERIA**

- 7280 0322 VOA Relay: EE; rpt on Iran-Iraq peace talks, Soviet politics, then mx by  
 Chuck Mangione. 333(11-2 Brown-IL)
- 9540 0505 VOA Relay: EE; M ID, nx: Pakistani elections. 333(11-15 ed.)
- 11955 0659 ELWA: AA; IS, M ID, tlk, W mailbag, M&W discussion, M preaching; IS and  
 off at 0801\*. 444(10-28 Matsushita-JAPAN)
- f5445 1910 VOA Relay: EE; African Panorama: riots in Sokoto, Nigeria, over choice of a  
 new sultan. 242(11-8 Westenhaver-QUE)
- 21485 1850 VOA Relay: EE; Special EE pgm abt people of the Rio Grande; ID @1900, into  
 nx. 232(10-16 Cichorek-NJ)

**LIBYA**

- 15235 0130 VO Greater Arab Homeland: AA; AA mx, M tlk abt Sakharov, UK, America.  
 344(10-23 Miller-CA)

**MALI**

- 9770 0001 R. Beijing Relay: EE; Nx: possible Soviet summit in spring, no more private  
 gold mining in China; ID, mx. 333(11-5 Brown-IL). 545(10-28 Miller-CA).  
 533(10-30 Trescher-PA)
- 11715 0032 RB Relay: EE; var mx selections, Listeners' Letterbox. 444(10-17 Levison-  
 PA). In CC @0117. 434(10-17 Miller-CA)
- 11790 2115 RB Relay: EE; Listeners' Letterbox pgm, into AA @2130; beamed to Europe.  
 GRM de Spanish Foreign Radio. 322(10-30 Anywadi-VA)

**NIGERIA**

- 4990 1928 R. Nigeria, Lagos: EE; brief nx w/ID's by W, pop mx program. 433(10-27  
 Matsushita-JAPAN)
- 7255 0454 VO Nigeria: EE; NA, ID, pgm notes, mx, ID, TC, brief cmt, then nx @0530.  
 444(10-15 Brown-IL)

**RWANDA**

- 9640 0212 Deutsche Welle Relay: GG; nx about Germany: Bundestag, Bonn, etc. 533(10-30  
 Trescher-PA)

**SOUTH AFRICA**

- 4880 0337 R. Five: EE; EZ pop mx to 0342, when ID, IC, ment date. 333(11-2 Brown-IL)
- 9580 0216 R. RSA: EE; one of hour's topics in pgm preview: survey sez Black reject

**SOUTH AFRICA (continued)**

- violeence as a solution to problems of SAF. 444(11-22 ed.). 555(10-30 Trescher-FA)
- 9585 0400 R. RSA: EE; M reads nx. Strong QRM de RN in SS/9590. [I doubt Bonaire poses much of a QRM threat in West Africa, the target area for this broadcast. -ed.] 222(11-7 Alexander-NC)
- 9615 0226 R. RSA: EE; Nx: nations using chemical weapons. 444(10-27 Ehly-IA). 555(10-15 Levison-PA). 545(10-21 Miller-CA)
- 11760 0300 R. RSA: EE; ID, nx, cmty on terrorism. 545(10-21 Miller-CA)
- 15365 2010 R. RSA: EE; ID, answer question from Malawian listener abt SAF trading w/anti-apartheid African countries. 333(11-7 Westenhaver-QUE)
- 17755 1959 R. RSA: FP; EE/PP ID, fanfare, ID/freqs, into Panorama RSA; 21590 only //. 434(11-7 Westenhaver-QUE)
- 21535 #1740 R. RSA: Danish; W nx, mni ments "Sørafrika" to 1749; [What's the sound effect you'd use to say that slash through the "ø", Bill..a hiccup or the like? -ed.] 343(11-9 Westenhaver-QUE). In EE @1854..333(10-16 Cichorek-NJ). 444(10-22 Miller-CA)
- 21590 1942 R. RSA: FF; pgm "Verbe et Langage," a short story abt muggers on commuter train to the Townships; into PP @2000. 353(11-7 Westenhaver-QUE)
- 25790 1358 R. RSA: EE; usual ID/fanfare/etc., ID ment next two hours on 11925 to Af, 21535 to EEur, 21590 to UK, and 25790 to NAM; then into mx. 253(11-6 Westenhaver-QUE). 454(11-9 ed.)

**SWAZILAND**

- 3200 0310 TWR:EE (for ID); end of rel pgm w/hymn; ID by W @0314 "This is Trans World Radio, Swaziland;" 1 x IS and off @0315#. 232(11-6 George-MA)

**TUNISIA**

- 7475 2259 R. Tunis (p): AA; speaking clock; disco-y nx theme, M nx to 2309, interview to 2325, then mx to abrupt off @2342\* w/no ID. 343(11-6 Westenhaver-QUE)
- 17610 1326 R. Tunis: AA; W ID "Itha'atu ul-Jumhuriyyah at-Tunisiyyah, " cultural pgm by M. 433(10-17 Dillon-GREECE)

**UGANDA**

- 4976 2020 R. Uganda (p): EE; EZL mx, show tunes, infrequent anmts by M & W; audio fuzzy and weak, no clr copy & no improvement in sig to 2100#. 221(11-6 George-MA)

**DX NOOZ**

**EQUATORIAL GUINEA**--Updating the reports in SCDX-2013 and 2015, about the new culturally-oriented station Radio 2000, that was inaugurated on 22nd October, this station is using the following frequencies: 4950 kHz, with 10 kW and FM 90.9 MHz, also with 10 kW. Radio 2000 broadcasts for 9 hours daily, but exact transmissions hours are not known yet. (Herbert Aichele, West Germany/SCDX) Via the RNMM answerline, a listener (name unintelligible) last month reported that Radio Africa had moved from 9553 kHz to new 9852.5, beginning at 1500 UTC. Dave Valko reports in FINE TUNING that this is an error, and 9852 is WYFR

**SOMALIA**--The Radio Hargeisa transmitter on 7120 kHz appears to have been reactivated. On October 13th a program with Somali music and poetry was heard on the frequency 15:30-16:40 hrs. No identification was heard but this frequency was used by Radio Hargeisa prior to that station going off the air in late May 1988. (BRCMS/SCDX) R. Mogadishu (presumably on 7200) noted at#0259 w/NA, ID, Qur'an. (Field-MI/DXtra)

**SOUTH AFRICA**--R. RSA has begun a daily English service to India, Pakistan and the Far East at 1300-1400 on 21590 and 17755. An 11-meter band frequency to North America starts too, between 1400-1600, namely 25790 kHz. (Marks/RNMM). SABC in Afrikaans 0410-1610 on new 9665 (ex-7230), and Radio 5 0500-1620 on new 11880 (ex-9665). R. RSA's ann sked to Africa/ME @1900 on 17795, 15365 & 7295 kHz (17795 ex-15320). (MacGibbon/DXSPREAD)

**SUDAN**--Updating SCDX-2007 and 2011, National Unity Radio has extended transmissions by one hour on 9435 kHz. The station announces broadcasts 13:00-15:00 in the 31 meter band. (BRCMS/SCDX)

**UNOFFICIAL RADIO**--Iran's Flag of Freedom Radio ("Radyo Darfaresh Kavyani" in Persian) has been heard on 11615 and 9045 kHz instead of 11315 and 15560 kHz since the end of September 16:30 to 18:30 hrs. (Dr.Supratik Sanatani/SCDX)

*to to to!*  
*— al*

# MIDEAST AND MORE LIST

- compiled by Al Quaglieri

An aid in identification of Arabic, Farsi, and Turkish-speaking stations.  
REVISED NOVEMBER 10, 1988

05875	SAUDI ARABIA	1000-2100	AA (HS)	09022	IRAN	1530-0730	VAR.
05955	TURKEY	0400-0555	TU	09445	TURKEY	0500-1655	TU
05970	ADEN, YEMEN	0300-2100	AA			2300-0450	EE/TU
05975	IRAN	0500-0700	FA	09455	EGYPT	0350-0700	AA (HS)
06000	LIBYA	0800-1800	AA	09460	TURKEY	1700-2255	TU
06035	IRAN	1600-2000	FA	09475	EGYPT	0045-0330	SS/EE
06055	KUWAIT	0230-0000	AA (HS)			1800-2350	AA (HS)
06080	IRAN	1730-2030	FA	09509	ALGERIA	0700-0005	FF/SS/EE
06085	OMAN	0200-0400	AA (HS)	09510.6	QATAR	0430-0700	AA
		1800-2130	AA (HS)	09515	IRAQ	0100-0600	AA (HS)
06130	IRAQ	1430-2300	AA (HS)	09520	IRAN	1100-1400	AA
06145	ALGERIA	0700-0000	AA	09520	SAUDI ARABIA	1500-1555	TU
06150	IRAN	0230-0500	FA	09525	IRAN	1600-2030	FA
06155	TURKEY	1800-2155	TU (BALKAN)	09530	JORDAN	0930-1300	AA (HS)
06155	LIBYA	2200-0430	AA (HS)			1500-2330	AA (HS)
06160	ALGERIA	0600-0000	AA	09535	ALGERIA	0700-0005	FF/SS/EE
06160	IRAQ	1700-1755	TU	09535	QATAR	1700-2130	AA (HS)
06160	VF SAHARA	2200-2300	AA/FF/SS	09535	IRAQ	1900-2300	AA (HS)
06170	ABU DHABI	2200-	EE	09545	IRAQ	0300-2200	FA
06175	IRAQ	1100-2100	AA (HS)	09550	DUBAI	1500-2050	AA (HS)
06185	IRAQ	0100-0255	EE	09560	JORDAN	1300-1800	EE (HS)
06185	LIBYA	0500-2355	AA (HS)	09560	IRAQ	1700-1755	AZER
06195	ABU DHABI	0200-0630	AA (HS)	09565	SAUDI ARABIA	1600-1755	FA
06195	EGYPT	0330-0430	AA	09569	SAUDI ARABIA	0300-1700	AA (HS)
06195	IRAQ	1700-2000	AA	09575	MEDI 1	0745-2045	AA/FF
06215	KING OF HOPE	0300-1430	AA/EE	09575	IRAQ	2200-2255	SS
06280	KING OF HOPE	1430-2300	VAR.	09585	QATAR	0245-0700	AA
06340.5	TURK POLIS R	0600-1900		09585	IRAQ	0300-0530	FA
06550	VO LEBANON	1500-2300	AA/EE/FF	09595	IRAQ	0300-0830	FA
06900	TS METEO	0500-0900	TU			1700-2200	AA (HS)
		1100-1650	TU	09595	ABU DHABI	2200-	EE
07110	IRAN	0330-0700	FA	09600	ABU DHABI	0215-0630	AA (HS)
07120	KUWAIT	1830-2115	AA (HS)	09600	LIBYA	0500-2355	AA
07130	IRAQ	0300-2000	FA	09610	IRAN	2030-0130	FA
07140	TURKEY	1900-1950	GK	09620	EGYPT	0350-0700	AA (HS)
07145V	ALGERIA	1500-0000	KABYL	09630	ABU DHABI	1530-2130	AA (HS)
07150	SAUDI ARABIA	1700-2000	AA (HS)	09635	TURKEY	2200-2250	EE
07155	JORDAN	0330-0600	AA (HS)	09640	ALGERIA	0700-0005	FF/SS/EE
		1800-2330	AA (HS)	09640	VF SAHARA	2200-2300	AA/FF/SS
07160	TURKEY	2300-2350	EE	09670	TURKEY	1800-1850	AZER
07180	IRAQ	0300-2200	FA	09675	EGYPT	0200-0330	EE
07180	TURKEY	1700-1750	GG	09675	TUNISIA	0430-0700	AA (HS)
07190	ADEN, YEMEN	0300-2100	AA			1800-2300	AA (HS)
07205	SAUDI ARABIA	1600-1755	FA	09685	TURKEY	0400-0450	AZER
07210	IRAQ	1500-2300	AA (HS)	09685	ALGERIA	0700-0005	FF/SS/EE
07210	SAUDI ARABIA	2000-2300	AA (HS)	09685	IRAN	1100-1730	AA/FA
07215	IRAN	0330-1500	AA	09685	TURKEY	2300-0355	EE/TU
		1600-2000	AA	09695	ABU DHABI	0215-0600	AA (HS)
07220	SAUDI ARABIA	1000-1500	AA (HS)			1600-2130	AA (HS)
07230	IRAN	1330-1515	URDU/PUSHTU	09700	EGYPT	1800-0030	VO ARABS
		1530-2130	FA	09705	IRAQ	0300-0800	AA (HS)
07235	IRAQ	1500-2300	AA (HS)			1030-1600	TU/ASSYR
07245	LIBYA	2230-0430	AA(HS)/EE?	09705	SAUDI ARABIA	1400-2300	FF/EE/AA
07245	ALGERIA	0600-2300	KABYL/AA			2130-2300	AA (HS)
07250	IRAQ	0100-0255	EE	09715	IRAQ	0400-0900	AA (HS)
07250	SAUDI ARABIA	1500-2100	AA (HQ)			1330-2200	AA (HS)
07265	IRAQ	1800-1900	SS	09720	SAUDI ARABIA	0300-0830	AA (HS)
07270	OMAN	0200-0500	AA (HS)			1400-2300	FF/EE/AA
		1600-1800	AA (HS)	09720	IRAN	2330-0130	FA
07275	SAUDI ARABIA	1800-1900	BAMBARA	09725	IRAQ	1800-2300	AA (HS)
		1900-2100	AA (HQ)	09735	OMAN	0400-1800	AA (HS)
07280	SAUDI ARABIA	0300-0830	AA (HS)	09740	EGYPT	0045-0200	SS
07280	ABU DHABI	1600-2130	AA (HS)	09740	SAUDI ARABIA	1900-2100	AA (QUR'AN)
07280	IRAQ	1900-2300	AA (HS)	09740	IRAQ	2200-2255	SS
07295	IRAQ	1900-2255	FF/GG/EE	09750	KUWAIT	0800-1510	FA/AA (HS)
07475	TUNISIA	0430-0700	AA (HS)	09755	EGYPT	0200-2200	AA (HQ)
		1800-2300	AA (HS)				

09755 IRAQ 1700-2300 AA (HS)  
09770 EGYPT 0300-0600 VO ARABS  
09770 IRAN 1000-1500 AA  
09770 IRAQ 1900-2255 FF/GG/EE  
09779 SANA, YEMEN 0300-2129 AA  
09780 ABU DHABI A2000  
09805 EGYPT 0350-0700 AA (HS)  
09825 TURKEY 1000-2250 GG/EE/FF  
09840 KUWAIT 0230-1510 AA (HS)  
1530-2300 AA (HS)  
09850 EGYPT 0300-0600 VO ARABS  
1500-2350 AA (HS)  
09870 SAUDI ARABIA 1700-2130 AA (HS)  
09880 KUWAIT 1600-2115 AA (HS)  
09885 SAUDI ARABIA 2130-2300 AA (HS)  
09890 LIBYA 2200-0430 AA (HS)  
09900 EGYPT 0030-0330 AA  
0430-0500 ALBANIAN  
1730-2245 ALBANIAN  
/IT/GG/FF/EE  
09950 SYRIA 1500-1800 AA (HS)  
2315-0115 AA/SS/PP  
11550 TUNISIA 0600-1700 AA  
18-2205?? VAR.  
11625 SYRIA 1400-1500 TU  
11665 EGYPT 0350-1800 AA (HS)  
11665 KUWAIT 0400-1100 AA (HS)  
1800-2100 EE  
11665 EGYPT 1900-0030 VO ARABS  
11685 SAUDI ARABIA 0400-0555 TU  
11715 EGYPT 0045-0200 SS  
11715.3 ALGERIA 0600-2100 KABYL  
11720 IRAQ 1600-2300 AA (HS)  
11730 SAUDI ARABIA 0600-0755 AA (HQ)  
11730 DUBAI 1400-2050 AA/EE (HS)  
11740 IRAQ 0500-0555 AZER  
11745 IRAN 0330-1300 AA  
11745 OMAN 0600-1600 AA (HS)  
11750 IRAQ 1700-2300 AA (HS)  
11760 IRAQ 1300-1700 AA (HS)  
11770 ADEN, YEMEN 0300-2100 AA  
11775 TURKEY 1700-2255 TU  
11785 EGYPT 0700-1500 AA (HS)  
1700-0030 VO ARABS  
11790 IRAN 0500-0900 AA  
1030-1600 VAR.  
11795 IRAQ 1600-1655 RR  
11810 IRAQ 1400-1800 AA (HS)  
11815 ABU DHABI 0215-0600 AA (HS)  
1600-2130 AA (HS)  
11815 LIBYA 2230-0430 EE/AA (HS)  
11820.7 QATAR 1300-1700 AA (HS)  
11825 SAUDI ARABIA 1200-1455 BENGALI/  
URDU  
11825 IRAQ 1600-2300 AA (HS)  
?11830 QATAR a2100 AA  
11845 IRAQ 1900-2300 AA (HS)  
11860 IRAQ 0400-0900 AA (HS)  
11875 TURKEY 1100-1330 VAR.  
11875 EGYPT 1600-1815 ZULU/  
SHONA/NDEBELE  
11880 IRAQ 1900-2300 AA (HS)  
11890 OMAN 0300-2130 AA (HS)  
11895 IRAQ 0600-0900 AA (HS)  
?11895 IRAQ 1800-2300?AA (HS)  
11905 EGYPT 0300-0600 VO ARABS  
11920 JORDAN 0330-1500 AA (HS)  
11920 IRAQ 0400-0900 AA (HS)  
11920 MOROCCO 1900-0100 EE/FF  
11925 TURKEY 0500-0955 TU  
11930 EGYPT 1745-1945 FA

11935 SAUDI ARABIA 1500-1700 AA (HS)  
11940 DUBAI 0230-0400 AA/EE (HS)  
11940 IRAQ 2000-2300 AA (HS)  
11955 DUBAI 0615-2050 AA/EE (HS)  
11960 TURKEY 1000-1655 TU/AA/TU  
11965 ABU DHABI 0215-0700 AA (HS)  
1600-2130 AA (HS)  
11975 EGYPT 1530-1730 SWAHILI  
11980 EGYPT 0600-1400 VO ARABS  
11990 KUWAIT 0615-0000 AA (HS)  
12005 TUNISIA 0430-2300 AA (HS)  
12025 IRAQ 0500-2300 AA (HS)  
12050 EGYPT 0700-2350 AA (HS)  
12085 SYRIA 0500-1500 AA (HS)  
1935-2205 GG/FF/EE  
2315-0115 AA/SS/PP  
15050 TURKEY ???-1556 TU  
15060 SAUDI ARABIA 0400-0555 TU  
1100-1700 AA (HS)  
1800-1855 BAMBARA  
15084 IRAN 24H SS/FF/FA/  
AA/SS/TU  
15090/5 SYRIA 0500-1030 AA (HS)  
1900-2305 VAR.  
15105 TURKEY 0400-0955 AZER/TU  
15105 MOROCCO 2100-0100 AA (HS)  
15105 TURKEY 1530-1600 RR  
15110 IRAQ 0600-2200?AA (HS)  
15115 EGYPT 0700-1100 AA (HS)  
15140 SAUDI ARABIA 0500-1100 AA (HS)  
15150 IRAQ 0700-1200 AA (HS)  
15155 EGYPT 1530-1830 AFAR/  
SOMALI/AMHARIC  
15160 ALGERIA 0700-0005 FF  
15160 TURKEY 1000-1655 AA  
15170 IRAQ 0700-1100 AA (HS)  
15170 SAUDI ARABIA 1000-1400 AA (HQ)  
15175 EGYPT 0700-1500 AA (HS)  
1500-1600 FU/DARI  
15200 TURKEY 0600-0966 TU  
15200 IRAQ 0700-1000 AA (HS)  
15205 ALGERIA 0600-0000 AA (HS)  
15210 EGYPT 1100-1430 AA (HS)  
1900-2200 HAUSA/  
YORUBA  
15215 ALGERIA 0700-0000 FF/SS/EE  
15215 VF SAHARA 2200-2300 AA/FF/SS  
15220 IRAQ 0900-1300 AA (HS)  
15220 EGYPT 2345-0040 SS  
15235 LIBYA 1030-0430v AA (HS)  
15255 EGYPT 1630-1915 EE/LINGALA  
?15265.7QATAR 0800-1700 AA (HS)  
15285 EGYPT 0600-1900 VO ARABS  
15300 DUBAI 1500-2050 AA/EE (HS)  
15310 IRAQ 0500-0800 AA (HS)  
15315 IRAN 0230-1300 FA  
15325 ABU DHABI 0600-1600 AA (HS)  
15330 MOROCCO 1700-2100 AA (HS)  
15335 SAUDI ARABIA 0500-0555 SWAHILI  
15335 MOROCCO 1000-0100 AA (HS)  
15335 EGYPT 1930-2230 FULANI/FF  
15345 KUWAIT 0200-0800 AA (HQ)/EE  
15345 SAUDI ARABIA 1200-1455 BENGALI/  
URDU  
15360 MOROCCO 1100-1700 AA (HS)  
15375 EGYPT 1830-2200 OULOF/  
BAMBARA/EE  
15400 IRAQ 0400-0800 AA (HS)  
1400-2200 AA (HS)  
15405 ABU DHABI 0700-1600 AA (HS)  
15415 LIBYA 1130-0430v AA (HS)  
15420 EGYPT 2230-2345 PP

15430 SAUDI ARABIA 0400-0455 SOMALI  
 15430 IRAQ 0900-1300 AA (HS)  
 15435 DUBAI 0230-1500 AA/EE  
 15435 EGYPT 0500-1100 AA (HS)  
 15450 LIBYA 1800-0330v EE/AA (HS)  
 15495 KUWAIT 0200-0000 AA (HS)  
 15505 KUWAIT 0700-0000 AA (HS)  
 15510 ABU DHABI 0800-1600 AA (HS)  
 17595 EGYPT 1215-1430 EE/BENGALI  
 17595 MOROCCO 1400-1700 FF/EE  
 17610 TUNISIA 0700-1800 AA (HS)  
 17645 ABU DHABI 0600-0800 AA (HS)  
 17670 EGYPT 1300-1900 AA (HS)  
 17690 EGYPT 1500-1730 HINDI/URDU  
 17705 ABU DHABI 1200-1600 AA (HS)  
 17720 SAUDI ARABIA 0600-0755 (HQ)  
 1000-1155 INDO  
 17720 EGYPT 2345-0040 AA  
 17730 IRAQ 0930-1300 AA (HS)  
 17735 OMAN 0800-2130 AA (HS)  
 17745 ALGERIA 0700-0005 FF/SS/EE  
 17760 TURKEY 2300-0450 EE/TU/EE  
 17765 SAUDI ARABIA 0500-0555 SWAHILI  
 17770 OMAN 0200-0800 AA (HS)  
 17770 EGYPT 1115-1445 THAI/INDO  
 /MALAY  
 17775 DUBAI 0415-0600 AA/EE (HS)  
 17785 TURKEY 1330-1530 EE/URDU/  
 FA/MANDARIN  
 17800 EGYPT 1100-1130 AA  
 17800 TURKEY a1230-1400+ EE/??  
 17815 EGYPT 1000-1100 AA  
 17815 MOROCCO 1100-1400 AA (HS)  
 1700-1900 EE/FF

17820 ABU DHABI 0630-1200 AA (HS)  
 17830 DUBAI 0415-0600 AA/EE (HS)  
 17830 IRAQ 0700-1200 AA (HS)  
 1200-1600 AA (HS)  
 17845 SAUDI ARABIA 0400-0455 SOMALI  
 17850 KUWAIT 0400-0600 AA (HS)  
 17865 DUBAI 0415-1500 AA/EE (HS)  
 17875 EGYPT 1115-1215 AA  
 17880 QATAR 0800-1700 AA (HS)  
 17880 IRAQ 0900-1300 AA (HS)  
 17885 KUWAIT 0900-1100 AA (HS)  
 17890 DUBAI 0230-0400 AA/EE (HS)  
 17895 KUWAIT 0400-0730 AA (HS)  
 17895 SAUDI ARABIA 0800-0955 AA (HQ)  
 17895 LIBYA 1130-2300 AA (HS)  
 17895 KUWAIT 1600-1800 URDU  
 21495 SAUDI ARABIA 0800-1155 HQ, INDO  
 21605 DUBAI 0615-1400 AA/EE (HS)  
 21700 DUBAI 0230-0600 AA/EE (HS)

ABBREVIATIONS: AA=Arabic/AZER=Azerbaijani/  
 EE=English/FF=French/GG=German/  
 HQ=Holy Qur'an program/  
 PP=Portuguese/RR=Russian/  
 SS=Spanish/TU=Turkish/  
 VO=Voice of

\*\*\*\*\*  
 Although every attempt is made to keep  
 this listing up-to-date, the author makes  
 no guarantees or other claims of its  
 accuracy.  
 \*\*\*\*\*



IRIB  
 Islamic Republic of Iran Broadcasting

IN THE NAME OF ALLAH  
 Verification of Reception Report



Dear Mr. Richard A. D'Angelo  
 Thank you for your report dated Feb. 21, 1985  
 on our transmission on 9022 KHz from  
 19:30 to 20:30 G. M. T.,  
 which we find in agreement with our records.  
 We were glad to hear from you and hope that you  
 will continue listening to the Voice of the Islamic  
 Republic of Iran.  
 Sincerely,  
 External Services, P.O. Box No. 19995/3333, Tehran, Iran.

..... Thank you for listening to .....  
 ..... our programs. Please tune in .....  
 ..... again and keep in touch. ....  
 .....  
 .....

War is ugly, but to be dominated by aliens is still uglier.  
 Imam Khomeini



William Westenhaver  
3525 Aylmer St., #610  
Montreal, Quebec, Canada  
H2X 2C1

Deadline: 12th  
Dates/Times: UTC  
Frequencies: KHZ

G'day! We're closing off 1988 with an interesting December column --a few new contributors, a full complement of CDE loggings (including the best of last month's), a nice run of Chinese regionals, new things from the UAE--and, last but not least, a strange relay from Turkey. There's a lot to fit in, so let the revels begin!

AUSTRALIA

Radio Australia

- 5995 1330 RA: EE: ID and RA sports; QRM de unID EE stn--not NHK (344 10/28 Miller-CA) (Bill, the QRM might have been BBC WS via Hong Kong; they're listed here-ed.)
- 7120 1207 RA: CC/EE: EE lessons for CC--today's fun phrase: "How about coming to dinner?"; fluttery fades (342 10/17 Quaglieri-NY) (OK, but only if you don't bring Margaret Thatcher-ed.)
- 9580 1440 RA: EE: Tlk on disbursement of radioactive elements in ground-water from uranium mines; world/Aussie nx @ 1500 (353 10/9 Wright-MB) @ 0930 w/tlk of gliders, "We have one of the finest air forces in the world..." (555 10/22 Robinson-FN) (Do those go together??-ed.) (plus 3 others)
- 9770 1215 RA: EE: "International Report" w/items on Afghanistan and Pakistan; //9580 (232 10/22 Prath-FL) w/items on Malaysian politicians and death of President Zia (545 10/22 Robinson)
- 15160 0507 RA: EE: Nx--the US will consume more food than it will produce in 1989 (454 10/2 Rodriguez-BELIZE) @ 0633 w/interview with an author (343 10/18 Kerrigan-IL) @ 0538 w/discussion of how EE became Australian (333 10/31 Janusz-NJ)
- 15320 2201 RA: EE: "International Report" on disposing of Pacific's toxic wastes (333 10/15 Cichorek-NJ) @ 2338 w/letters from listeners (233 10/26 Miller-CA)
- 15380 2330 RA: THAI: M tlc/interview w/other M to 2341; W ID/chat; into EZL mx (343 10/24 ed.)
- 17795 0151 RA: EE: Soviet correspondent discusses joint ventures with Australia (343 10/20 Ehly-IA) @ 0000 w/nx of typhoon hitting the Manila area (111 10/27 Miller-CA)

BANGLADESH

Radio Bangladesh

- 11510nf 1845 RB: EE: SASian mx w/brief tlks by M to 1900\* (333 10/21 Anywodi-VA) @ 1845 w/tlks abt UN and wage policies; ID @ 1852 (433 10/23 Bishop-NY)
- 17710 1255 RB: EE: W song; S/off anmts by W w/address and "Bye for now": T300\*; vastly improved over old 15525 (343 10/22 George-MA)

CHINA

Central People's Bcast Stn Radio Beijing  
Spanish Foreign Radio Relay

- 5019.7 1125 (t)JIANGXI PBS: CC: W dialogue w/M; several musical notes @ 1130; hrd best in USB ("threshold" 10/29 Cichorek-NJ)
- 5240 1118 (p)VO THE STRAIT: CC: Long tlc to 1130; possible ID and px change followed by mx features w/W host; 1200 fade-out (252 9/24 D'Angelo-PA)
- 6955 2120 RB: EE: M/W tlc abt university life in China in response to listener's letter (252 10/2 Quaglieri-NY)
- 8007 2250 CPBS-2: CC: CC classical mx w/M ancr; 5 plus 1 TP @ 2300; NA: then nx...2357\* (222 10/11 Thornton-NJ) @ 2140 w/classical piano and orch mx w/W ancr; //9390, 6920 (242 10/18 Quaglieri-NY)
- 9064 2134 CPBS KUNMING: CC: M/W lengthy discussion; also hrd //s 7935, 7504, 6840, 6750 (232 10/18 Quaglieri-NY)

(More overleaf...)

## CHINA continued...

- 9380 1127 (p)TAIWAN-1: CC: Trad CC inst mx; 1129-1130 W anmt (no ID discerned); then px of trad CC vocals (242 10/23 ed.)
- 9400 1127 CPBS-2 HUIYANG: CC: Nice trad orch mx; long pause before 1130; then theme mx; M "Huiyang Renmin Guangbo Diantai..." into (p) nx; //7770 (333 10/19 Quaglieri-NY) (Don't you believe an ID when you hear it, Al? Seriously, is this a new stn; I've never heard of it before-ed.)
- 9620 1020 SFR relay: SS: M/W nx magazine; @ 1024 M ID "Sintoniza R. Exterior de España"; into classical guitar mx; some polar flutter (242 11/14 ed.)
- 9665 1232 RB: EE: w w/"Current Affairs"; mx; "Culture in China" (233 10/27 Berri-CA) @ 1232 w/"Cooking Show" fixing deep-fried apples; distorted audio today (443 10/29 Cichorek-NJ) (+3)
- 9700 0930 RB: EE: "220 million bicycles in China..."; tlk of dragons (545 10/17 Robinson-TN)
- 11000 1115 TAIWAN-2: CC: Trad CC mx; @ 1130 into M/W tlk; //9170 (242 10/29 Prath-FL)
- 11040 1110 CPBS-2: CC: CC mx and tlk--maybe dialogue of a play?; //7770 (333 10/15 Prath-FL)
- 11750 \*2300 RB: SS: "Aqui R. Pekin" ID's; W px details; M/W nx; presumed direct since didn't have telephonic audio hrd on //11790 via Mali (332 10/25 ed.)
- 11900 0354 RB: EE: CC lesson; ending @ 0356 w/ID/skeds to Pacific; killed by RSA IS; mixing w/R. Magellanes (333 10/20 Quaglieri-NY)
- 15100 0038 RB: CC: Classical mx; brief w tlk w/ments Beijing; then more mx (423 10/15 Janusz-NJ) @ 0205 in SS w/nx; ID @ 0210 (353 10/6 Wright-MB) @ 0209 w/M and W commenting on LatAm affairs (333 10/27 Ehly-IA)

CYPRUSBBC relay

- 6180 1700 BBC: EE: World nx; cmty (433 10/5 Dillon-GREECE) @ 2121 w/classical request show (332 10/16 Bishop-NY)
- 7260 0405 BBC: EE: world nx--Yugoslav Comm. Party Central Committee vote of confidence (343 10/20 Quaglieri-NY)

FRENCH POLYNESIARFO Tahiti

- 15170.7 0421 RFO: TAHITIAN/FF: Island mx; Tahitian nx @ 0430 ment Pinochet/Chile and Papeete...FF nx @ 0500 (444 10/10 Cichorek-NJ)

GUAMKSDA (AWR Asia)

- 9465 \*1200 KSDA: EE/CC: "This is Adventist World Asia, KSDA Agat, Guam" and into CC px w/EE lesson @ 1230; weak and bothered by UTE QRM (222 9/10 Fisher-MA)

HONG KONGBBC relay

- 7180 0931 BBC: EE: Financial nx; ID @ 0938 (343 10/08 Sampson-WI) @ 1034 in CC w/EE lesson abt visiting an acupuncturist; @ 1043 into px of M tlk; het on frq (232 11/5 ed.)

INDIAAll India Radio

- 7412 2110 AIR: EE: M ends tlk abt India's economic future; ID; into subcontinent mx (252 10/2 Quaglieri-NY)
- 15335 1024 AIR: EE: Tlk on progress in Indian steel industry; predominating over co-channel Morocco (333 10/20 George-MA)

INDONESIARadio Republik Indonesia

- 4753 1133 RRI UJUNG PANDANG: IN: w/M cmty w/classical mx breaks; @ 1155 1cl mx; @ 1159 SCI; ID by OM; nx; Best Indo today (333 10/7 Evans-TN) @ 1044 w/mix of vocals and tlk to 1059; series of notes (14) repeated twice; W ID followed by M/W nx (232 9/9 D'Angelo-PA)
- 5501 1327 RRI BIAK: IN: M ID; into pop mx px (343 9/25 Matsushita-JAPAN)
- 11865 1645 VO INDONESIA: IN: Px of modern mx w/M host; ID @ 1700 (444 10/11 Valentine-CA)

IRANVoice of the Islamic Republic of Iran

- 9022 1933 VOIRI: EE: Devotional reading from Qur'an; @ 1936 ID; into nx (343 10/26 Cichorek-NJ) @ 1942 w/"Nx headlines of Oct. 26, live from Tehran" (343 10/26 Thornton-NJ) @ 0216 in SS w/tlk abt LatAm; ID @ 0221; then weird QRM began (333 10/27 Ehly-IA) (Bet that QRM was Iraqi jamming-ed.)

IRAQRadio Baghdad

- 9515 \*0010 RB: EE: AA mx; cmtly on UN Security Council resolution #598 (544 9/10 Wright-MB) @ 0106 w/M nx ending w/ID @ 0110; into song by Grace Jones (I hear her on RB more than on all other stns combined-hi!) (444 10/20 ed.) (This frq was ex-11775, but now they've moved again; anyone know their nf?-ed.)
- 11895 2304 RB: AA: M nx to 2307, ending w/ID; prayers to 2313; M anmt and theme mx (same as RB's EE px); 2314\* (433 10/25 ed.)
- 15110 2255 RB: AA: AA mx; @ 2300 ID/nx by M; anthem and off 2310\* (343 10/18 Prath-FL)
- 15310 0600 RB: AA: W nx; ID @ 0603; into px of AA mx; //15110, 15400 (343 10/24 Matsushita-JAPAN)

ISRAELKol Israel Reshet Bet relay

- 7460 0209 KI: EE: "Thank Goodness It's Friday" on synagogue for the deaf in Los Angeles (453 10/15 Janusz-NJ)
- 9010.5 \*2230 KI: EE: Nx; "Spotlight" on Israeli-Chinese relations (444 10/15 Prath-FL)
- 9435 \*0000 KI: EE: W nx of Knesset elections; "Letter from Jerusalem" (555 10/21 Robinson-TN) (plus 2 others)
- 11590 2238 RB relay: HH: Student quiz-type px; ID @ 2259; into nx (545 10/24 Janusz-NJ)
- 11605 \*2330 KI: SS: Nx of Belizean graduating from Israeli university (455 10/7 Rodriguez-BELIZE)
- 17555 1133 RB relay: HH: Ad; "Reshet Bet" ID; lots of tlk abt political parties/elections (444 10/17 Dillon-GREECE)
- 17575 1150 KI: FF: Tlk abt Israel's economy/educational situation; ID/skcd; 1200\* (444 10/17 Dillon-GREECE)
- 21675 1430 RB relay: HH: Sports cmtly w/lots of crowd chanting and ments Tel Aviv (444 10/15 Wright-MB)

JAPANRadio Japan

- 11870 0525 RJ: EE: Pop/rock mx; weekly nx roundup; ID's (444 10/15 Miller-CA)
- 17810 2355 RJ: JJ/EE: Tlk abt children's books (434 10/26 Miller-CA)
- 17825 0224 RJ: JJ: 2 M tlk w/mni ments Tokyo (343 10/27 Ehly-IA)  
(Note: RJ on 5960 is via Sackville)

KOREA, DEMOCRATIC PEOPLE'S REPUBLICRadio Pyongyang

- 6576 1110 RP: EE: Tlk of "His Excellency Kim Il-Sung"--is this a promotion in rank from "Great Leader?" (333 10/24 Russell-AL) (No, but "Lord and Master" would be-ed.) @ 1130 in EE (545 10/22 Robinson-TN) @ 2128 in FF; QRM de San Juan Aero-6577 USB (333 10/2 Quaglieri-NY)
- 9600 1100 RP: EE: W tlk of the Revolution; march mx/chorus (444 10/22 Robinson-TN) @ 0942 in RR; 0948\* (222 11/14 ed.)
- 11735 2323 RP: EE: W ID; then classical Korean mx (322 10/22 Cichorek-NJ)

KOREA, REPUBLIC OFRadio Korea

- 6480 2138 RK: SS: W ".Seoul, capital de la Republica de Korea"; IS?; M/W ID/address; UTE QRM (322 10/2 Quaglieri-NY)
- 15575 2327 RK: EE: IS; KK/EE ID's and s/on routine; into nx (222 11/5 Brown-IL) @ 0255 in EE w/nx abt promoting Korean economy (333 10/15 Fischer-WI)

KUWAITRadio Kuwait

- 11665 1839 RK: EE: Nx and nx headlines; wx; into rock mx (323 10/6 Woering-MA) (Wish they'd play AA mx sometime-ed.)

MALAYSIA, EASTERNRadio Malaysia

- 5030 \*1028 RM KUCHING: BIDAYUH: IS; W ID; instrumental mx; then M nx (433 10/26 Matsushita-JAPAN)

MARIANA ISLANDSKFBS KYOI

- 9495 1425 KFBS: CC: Rlg-type drama and song; "KFBS Saipan" ID just before 1459\* (433 10/2 Dillon-GREECE)
- 9670 1525 KFBS: EE: Rlg mx; ID @ 1530\* (444 10/23 Miller-CA) @ 1445 in UNID lang w/(p) rlg tlk; Far East mx; EE ID @ 1458 (242 10/30 Anywodi-VA)
- 11900 1509 KYOI: EE: Rock mx; ID/nx @ 1530 (222 10/7 Woering-MA) @ 1420 w/continuous light rock mx; @ 1431 ads for investment advisor and book abt Joe Louis (333 10/30 Anywodi-VA)



MONGOLIARadio Ulan Bator

- 4080 0449 RUB: MONGOLIAN: Asian mx; M cmt (533 10/2 Trescher-PA)  
(Fred, did you get an ID on this one??-ed.)
- 12015 1200 RUB: EE: M "This is R. Ulan Bator"; sked/frqs; bit of mx;  
Then nx; over RB in CC today (323 10/18 George-MA)

NEW CALEDONIARFO Nouméa

- 7170 0855 RFO: FF: Pop mx DJ px; @ 0859 ment "Nouvelle Calédonie"/frq;  
0900 M nx; occ. ham QRM (232 10/31 Cichorek-NJ)

NEW ZEALANDRadio New Zealand International

- 9850 1000 HNZI: EE: Nx of hospital services/search for missing handi-  
capped boy; //6100 badly QRM'd (444 10/8 Sampson-WI) @ 1000  
w/nx/wx; oldies incl. "Night and Day" (444 10/31 Eckert-PA)  
@ 1036 w/"Night and Day" (343 10/31 Cichorek-NJ) (Are you  
guys psychic or what?-ed.) @ 1130-1205\* (233 10/20 Russell)

OMANBBC relay

- 11955 0338 BBC: EE: Px "Latin Americans" abt SS songstress (Nadia some-  
thing-or-other); tough w/VOA on 11950 (232 10/20 Quaglieri-  
NY) (Al, she's Nacha Guevara--any relation to Che?-ed.)

PAPUA NEW GUINEARadio New Ireland

- 3905 1104 RNI: EE/VERN: EE nx by M w/clear ID @ 1107; fair until cover-  
ed by hams at 1112 (333 10/6 D'Angelo-PA)

PHILIPPINESVOA relay Far East Broadcast Corp

- 9660 1441 VOA: CC: Discussion of US drug problem, judging by EE cuts  
(242 10/20 Anywodi-VA)
- 11850 0907 FEBE: EE: "Back to the Bible" px; stn ID/address (354 10/3  
Kline-VIC) (That's Victoria, Australia-ed.)
- 15215 2254 VOA: IN: Flk abt George Washington; frqs/times; nx @ 2300  
incl ID; blasted out by WYFR IS @ 2311 (353 10/15 Wright-MB)

QATARQatar Broadcast Service

- 11820 1939 QBS: AA: M/W chat mixed w/inst mx; @ 2000 TP; "Idha'atu al-  
Qatar min ad-Doha" and M nx (433 10/10 Cichorek-NJ)

SINGAPOREBBC relay

- 3915 1545 BBC: EE: Px "English, a Language for the World"--interview w/  
Anthony Burgess (333 11/4 Hanson-WA)

SOLOMON ISLANDSSolomon Islands Broadcast Corp

- 5020 1001 SIBC: EE: Relay of RA nx to 1011; ID and lcl business rpt;  
lcl ads; much QSB (252 9/8 D'Angelo-PA)
- 9545 0732 SIBC: EE: National nx (upcoming election/knife fight); "Ship-  
ping Rpt"; pop mx; severe T-storm QRM (452 10/8 Kline-QLD)  
(That's Queensland, Australia--nice vacation, James!-ed.)

SRI LANKADW relay

- 17875 0920 DW: EE: Nx; press review; "Asia-Pacific Rpt"; Trincomalee  
relay ID @ 0949 (453 10/20 Kline-VIC)

SYRIARadio Damascus

- 12085 1858 RD: FF: W tlk mixed w/bit of mx; spotty reception (221  
10/19 Miller-CA) @ 2110 in EE w/nx; AA mx (352 10/17 Stroh-  
IL) (welcome to the column!-ed.)

TAIWANVoice of Asia Voice of Free China

- 7445 1100 VOA: EE: M ID "You are tuned to the Voice of Asia"; into  
wld nx/cmt; very weak (222 10/28 Fisher-MA) @ 1102 w/nx  
to 1111; cmt; ID @ 1115; CC inst mx (242 10/10 D'Angelo-PA)
- 11745 1410 VOFC: JJ: W nx ment USA; ID's; JJ mx/tlk; QRM de BBC/Singa-  
pore-11750 (444 10/13 Miller-CA) @ 1410 w/M tlk w/mni ments  
"Taiwan" and Taiwan-no" (Taiwan's) (444 10/30 Anywodi-VA)  
(Courtesy of Matsushita-JAPAN, we have VOFC's JJ ID: "Kochirawa  
Jiyu Chugoku no Koe desu"; thanks!-ed.)

TURKEYVoice of Turkey CKUT-FM relay

(Yes, you read right! More details on the next page....)

TURKEY continued

- 7250nf 2330 CKUT relay: EE: "International Radio Rpt" w/two guys named Harvey and Westenhaber; VOT and CKUT ID's hrd; this is nf for Europe, ex-9685 (443 11/12 ed.)
- 9445 1310 VOT: TURKISH: Olympics coverage; //11960 (444 10/2 Dillon-GREECE) @ 0420 in EE w/ID; "Turkish Album" (454 10/12 Rodriguez-BELIZE) @ 2330 w/same details as 7250 above (SIO? 10/16 Fischer-WI) (I wonder, Greg--do we get residuals for the reruns?-hi!) (plus 2 others)
- 9460 2235 VOT: (p) TURKISH: Mournful Turkish mx; nx @ 2250; NA; 2255\* (322 10/16 Janusz-NJ) (Ed, I'm sure this was them-ed.)
- 17760 2337 VOT: EE: Comments on Turkish geography (333 10/2 Levison-PA) @ 0436 w/"Turkish Panorama" tourism px; heavy QRN; hrd // 9445 (352 10/3 Kline-VIC) (Now on 9680 for D-88-ed.)

UNITED ARAB EMIRATES

Voice of UAE Abu Dhabi

UAE Radio Dubai

- 9595 \*2200 VOUAE: EE!: TP to 2200:35; W ID "This is VO UAE R. from Abu Dhabi"/ann frqs 6170, 9595, 11965; into Qur'an reading w/EE translation/cmt (333 11/4 ed.) (NOTE: This also carries lcl px w/"Capital Radio 93.5" ID's-ed.)
- 9780 2030 VOUAE: AA: Calm AA mx w/tlks by M; ID @ 2101; do not confuse w/Sana'a on 9779.3! (433 10/1 Anywodi-VA)
- 15435 0340 RD: EE: "Islam and the Child"; ID; 0352\* (322 10/14 Brown-IL)
- 21700 0529 RD: EE: Time beeps; NA; nx w/ID's (353 10/1 Kline-VIC)
- 25900nf 1252 VOUAE: AA: Trad AA vocals; @ 1259 W amt ending w/ID per WRTH; then into radio drama (252 11/11 ed.)

UNIDENTIFIEDS

- 15330 0015 ORIENTAL LANG: MidEast mx followed by Oriental mx; M tlk w/ments Taiwan (444 10/31 Valentine-CA) (Frederick, R. Beijing is listed here at this time in Hakka-ed.)
- 15435 1022 AA: MidEast mx; M tlk; threshold level wiped out by RFI IS @ 1028; Afghanistan?? (111 10/31 Cichorek-NJ) (Ed, I think it's more likely either Dubai or Saudi Arabia, both listed w/AA here at this time-ed.)

Not much room to ramble this month--just a few brief notes:

The "Where they are, again!" Department: According to Gordon Darling, on the 11/13 RA "Communicator" px, the NBC's Karai Service from Papua New Guinea is now back on 4890 kHz, but is now using an old 2 kw xmtr formerly at R. Central, instead of the previous 10 kw xmtr.

The "That statement is inoperative at this point in time" Department: To correct my listing of US postal rates to Canada, in the October column, the rate for each additional ounce is 22¢, not 25¢. (Thanks to Forrest Bishop-NY and our esteemed Publisher, Ed, for the correction.)

The "Santa Bear Is Coming to Town" Department: I'll be doing the next column a bit earlier than usual, before going off on Christmas holidays. If you contribute through the CDE, please make sure to get things to David in time for his usual deadline of the 5th. If you contribute directly, it would be appreciated if you could get things into my hands by the 9th--remembering, of course, that your friendly neighbourhood postie is grossly overworked at that time of the year. Thanks in advance for your help!

The "Write, please!!" Department: The VO UAE's English Service--which is brand-new to shortwave, is asking for feedback from listeners, especially in North America; comments can be sent to P.O. Box 63, Abu Dhabi. Perhaps it's a belaboured point these days, but listeners' comments on px--as I've had occasion to find out--are very much appreciated by stations and programme presenters. Why not listen to something new, and let them know what you think of it? (Besides, you can always ask for a QSL at the same time.)

The "All I want for Christmas is Hong Kong" Department: If you have extra DX time over the Holidays, here are a few things you might want to look for: (i) RTV Hong Kong in Vietnamese at 1100-1300 on 7290 kHz, apparently w/some EE ID's; (ii) The new RFI relays via China, which seem not to be on the air at the time of writing (11/15) (I haven't heard any frqs given for these yet, so we'll just have to hunt, won't we?) (iii) DW transmissions via Sri Lanka--see last month for a send.

That's it for this month and this year. See you in 1989!

73—BIM

# SPEEDX QSL REPORT

Ray Forsgren - 4856 Inlet Drive - Chippewa Falls, WI. - 54729 - USA

## AFRICA

- CAMEROON R Garoua: 5010 f/d frm ltr in 44 ds after 4th f-up for \$2.V/S James Achyani Fontem. (Evans-YN).
- EGYPT R Cairo: 9475 f/d Luxor cd in 60 ds. (Culp-DC). f/d Pyramid cd w/ sked in 110 ds. (Fischer-WI).
- EQUATORIAL GUINEA R Africa: 9552.3 f/d cds in 11 & 17 ds from CA QTH for ms. (Weber-OH). f/d cd & ltr in 2 wks for ms. V/S Savelio Mercado. Also cd from Malabo in 2 mo. (Wallace-MA).
- IVORY COAST R Abidjan: 7215 p/d ltr in 409 ds after f-up for a FF rpt & 2 ircs. V/S G. Tchimou. (Wright-MB).
- LIBERIA ELWA: 11830 f/d cd w/ sked in 26 ds for 3 ircs. (Culp-DC). VoA Relay: 15580 f/d cd in 3 ds. (Culp-DC).
- MALI R Beijing Relay: 9700 f/d Tienten Park cd in 18 ds for 3 ircs. (Stroh-IL). 11715 f/d Statue cd in 40 ds. (Washburn-ME).
- MOROCCO RTV Marocaine: 15335 f/d Map cd in 48 ds after f-up for a FF rpt & ms. (Evans-TN). f/d cd in 105 ds for a FF rpt & 2 ircs. V/S T. M'hammed Jamaledine. (Cichorek-NJ).
- SEYCHELLES BBC Relay: 11750 p/d personal ltr in 18 ds. V/S C. Fitzgerald. (D'Angelo-PA). FEBA: 11870 f/d cd w/ sticker & sked in 55 ds for 3 ircs. V/S Doreen Dugasse. (Weber-OH). f/d Map cd w/ pennant sticker in 87 ds for an irc. (Jones-TN).
- SOUTH AFRICA Radio RSA: 9580 f/d cd in 38 ds. (Wright-MB). Radio 5: 4880 f/d cd in 148 ds for an irc. (Kline-CA).
- ST. HELENA ZHH: 12963.5 f/d Folder Map cd in 439 ds for ms. (George-MA).

## ASIA

- BAHRAIN A9M: 22311.5 f/d ltr in 42 ds for ms. V/S H.M. Ali. (George-ME).
- CHINA R Beijing: 9770, 11715 & 11860 f/d Mao cd w/ goodies in 23 ds. (Levison-PA). 11860 f/d cd & goodies in 33 ds. (Levison-PA).
- CYPRUS CBC: 7205 f/d Montage cd in 26 ds for 2 ircs. (Culp-DC). 9650 f/d cd in 37 ds for a tape & \$1. (Washburn-ME).
- INDONESIA RRI Bukittinggi: 3232 p/d personal ltr in 20 ds after 2nd f-up. for an IN rpt & \$1. V/S Effenm. (Coday-CA). RRI Merauke: 3905 p/d personal ltr in 26 ds for an IN rpt & \$1. V/S Achmad Ruskaya, BA. (Coday-CA). PKB: 16861.7 f/d pfc in 26 ds after f-up for ms. V/S Maringan Siahaan. (O'Connor-NH).
- ISRAEL KOL Israel: 11605 f/d cd in 40 ds. (Brown-IL).
- JAPAN RCI Relay: 17710 f/d cd in 12 ds. (Weber-OH). JOR: 13008 f/d pfc w/ frm ltr in 22 ds for an irc. V/S Setsuo Yamanishi. (Gerstner-NY).
- KUWAIT R Kuwait: 15495 f/d Map cd w/ skd in 47 ds for an AA rpt. (Wright-Fischer).
- SOUTH KOREA R Korea: 9750 f/d cd w/ goodies in 34 ds. (Wright-MB).
- SRI LANKA SLBC: 11425 n/d cd in 1 mo for ms. (Wallace-MA).
- TAIWAN WYFR Relay: 15055 f/d cd in 44 ds for a Tape & ms. (Washburn-ME).
- U.A.E. Voice of the UAE: 11965 p/d folder cd in 25 ds for 2 ircs. V/S Ahmed A. Shouly. (Culp-DC). p/d cd in 1 mo for \$1. (Wallace-MA).
- VIETNAM VoV: 12020 f/d paper cd in 242 ds (Cichorek-NJ).

## EUROPE

- AUSTRIA RAI: 9875 f/d cd in 19 ds. (Brown-IL). f/d cd in 64 ds. (Levison-PA).
- BELGIUM Radio 4: 15540 f/d cd w/ sticker & sked in 47 ds for a FF rpt. (Fischer-WI). OST: 8652 f/d cd in 46 ds for an irc. (Gerstner-NY).
- CZECHOSLOVAKIA R Prague: 7345 f/d castle cd in 45 ds. (Wright-MB). 9540 f/d cd in 46 ds. (Wright-MB).

FINLAND R Finland: 11755 & 15185 standard n/d form ltr w/ sked. in 47 ds. (Levison-PA).

FRANCE RFI: 9790 f/d cd in 40 ds for a FF rpt. (Robinson-TN).

GERMAN DEM REP RBI: 9730 f/d antenna cd in 62 ds. (Levison-PA).

GERMAN FED REP VoA Relay: 3980 f/d cd in 18 ds. (Weber-OH). DAL: 8511.9 f/d pfc in 28 ds for \$1. (Hawkins-TX).

GREAT BRITAIN VoA Relay: 9735 f/d cd in 5 ds. (Wallace-MA). RAF "Architect": 9032 f/d pfc in 89 ds for ms. V/S P. Bearne. (O'Connor-NH).

GREECE VoA Relay: 11925 f/d cd in 18 ds. (Weber-OH).

ICELAND ISBS: 15659 f/d Thingvellir cd in 37 ds for a Tape & \$1. (ME-Washburn).

NETHERLANDS PBC-6: 19910 f/d pfc w/ large hand drawn QSL in 17 ds for \$1. (Hawkins-TX).

NORWAY RNI: 15310 f/d cd in ?? ds. (Brown-IL).

POLAND R Polonia: 7270 f/d Logo cd in 64 ds. (Washburn-ME).

ROMANIA R Bucharest: 11940 f/d cd in 96 ds. (Levison-PA).

SPAIN REE: 9630 f/d Procession cd in 82 ds. (Brown-IL).

SWEDEN SAG: 8498 p/d station cd w/ sticker & info in 41 ds for an irc (Gerstner-NY).

SWITZERLAND SRI: 17730 f/d cd in 14 ds. (Brown-IL).

VATICAN CITY R Vaticana: 9605 f/d staff cd in 38 ds. (Brown-IL). 15120 f/d x'mitter cd in 70 ds. (Jones-TN).

#### U.S.S.R.

R Moscow: 15180-Komsomolsk na Amur, f/d cd in 38 ds. (Culp-DC). 15535-Frunze; f/d cd in 60 ds. (Eckert-PA). 17880 f/d cd in ?? ds. (Levison-PA).

R Tashkent: 9540 f/d cd w/ post cds in 212 ds for \$1. (Kline-CA).

R Yerevan: 11790 f/d cd in 11 mo. (Eckert-PA).

#### NORTH AMERICA

ALASKA KNLS: 6150 f/d cd & sked in 18 ds for ms. V/S L. Wesley Jones. (Cichorek-NJ).

ANTIGUA BBC Relay: 5975 f/d per ltr in 16 ds for \$1. V/S E. Hamblin. (Culp-DC). DW Relay: 6040 p/d cd in 21 ds. (Jones-TN).

CANADA CK2N: 6160 f/d folder cd in 8 ds for ms. V/S R. Knolwes. (OH-Weber). f/d cd w/ sked in 17 ds for an irc. (Cichorek-NJ). VCG: 2598 f/d pfc in 18 ds for ms. V/S J.M. Poirier. (Gerstner-NY). VOO: 2598 f/d pfc in 72 ds for ms. (Gerstner-NY). VAI: 8453 f/d pfc in 21 ds for ms. V/S W.R. Doutoz. (Gerstner-NY).

COSTA RICA R Impacto: 6150 f/d ltr w/ pennant & sticker in 38 ds for a SS/EE rpt & 3 ircs. V/S Hector Requena C. (Weber-OH). RFPI: 13660 f/d cd & ltr in 65 ds for \$2. V/S James Latham. (Weber-OH). 21555 f/d cd in 109 ds after f-up for a tape & \$1. (Hawkins-TX).

GUATEMALA La Voz de Nahuala: 3360 p/d per ltr w/ pennants in 47 ds after f-up for a SS rpt & ms. V/S Diego Adrian Guarchaj Ajtzalam. (D'Angelo-PA).

MARTINIQUE FUF: 16961.5 f/d pfc in 257 ds for ms. V/S "Le Guillou". (O'Connor-NH).

MEXICO R Educacion: 6185 f/d form ltr w/ p/d cd in 32 ds after f-up for a SS rpt & \$1. V/S Ing. Gustavo Carreno Lopez. (Coday-CA).

NICARAGUA La Voz de Nicaragua: 6100 p/d per ltr in 115 ds for ms after 3 f-ups. (Evans-TN).

PANAMA HPP: 12699 f/d paper cd in 42 ds for an irc. (Gerstner-NY).

U.S.A. R Marti: 6075 f/d cd in ?? ds for a SS rpt. (Fischer-WI). VoFC Relay: 5985 f/d cd w/ goodies in 31 ds. (Fischer-WI). Voice of the QAS: 15160 f/d cd in 17 ds. (Culp-DC). NMF-44: 2670 f/d pfc in 10 ds for ms. V/S S.R. Graham. (Gerstner-NY). KVM-70: 9982.5 f/d pfc w/ sked in 13 ds for ms. V/S Marvin J. Walsh. (Gerstner-NY). NNNOCUP: USS Nimitz f/d pfc in 145 ds for ms. (Gerstner-NY). NNNOCYP: USS Lexington 14467 f/d pfc in 127 ds for ms. V/S Jeffery Chamberlain. (Gerstner-NY). Overseas Ohio: 16587.1 f/d pfc in 98 ds for ms V/S William Jacobs. (Gerstner-NY). WWV: 20000 f/d folder cd in 13 ds. (O'Connor-NH).

#### OCEANIA

AUSTRALIA RA: 9580 f/d Platypus cd w/ goodies in 30 ds. (Cichorek-NJ). 15395 f/d Lyrebirds cd in 0 ds & 17750 f/d cd in 0 ds - both were acquired during a visit to the station. (Kline-CA). 21740 f/d cd w/ pennant sticker in 61 ds. (Jones-TN). VIX-6: 16918.9 f/d per ltr in 10 ds for \$1. V/S Paddy Torrens. (Hawkins-TX).

MARIANAS ISLANDS/KSDA: 9465 f/d cd in 6 wks for ms. (Wallace-MA). 11980 f/d cd w/ ltr in 46 ds for \$1. V/S Hannah Liu. (Washburn-ME). KTWR: 11805 f/d cd w/ sked in 37 ds for ms. V/S Flora Rittenhouse. (ME Washburn).

NEW CALEDONIA/ FJP: 8698 f/d pfc w/ per ltr & sked in 23 ds for a FF rpt & ms. V/S H. Pesnel. (George-MA).

PAPUA NEW GUINEA/ R West Sepik: 3205 p/d per ltr in 39 ds for \$1. (CA-Coday). f/d pfc in 185 ds after f-up for ms. V/S Leonnie Ramram. (Archer-NC). R West New Britain: 3235 p/d per ltr in 68 ds after 2nd f-up for \$1. V/S Simon Muraga. (Coday-CA). R Gulf: 3245 f/d pfc w/ ltr in 144 ds after f-up for \$1. V/S Mark Auho. (Archer-NC). R Madang: 3260 p/d per ltr in 37 ds for ms. (Evans-TN). p/d per ltr in 87 ds for \$1. V/S Simon T. Pisingan. (Coday-CA). R Southern Highlands: 3275 f/d pfc w/ per ltr & NBC cd in 112 ds for ms. V/S Jack Bata. (Archer-NC). R Central: 3290 p/d form ltr in 143 ds for ms. V/S K. Kila. (Archer-NC). R Western Highlands: 3375 f/d pfc w/ NBC cd & postcard in 174 ds after f-up for ms. V/S Edward Kenas. (Archer-NC). R East New Britain: 3385 f/d Drawing cd in 25 ds for \$1. V/S A.L. Rumina. (Coday-CA). R New Ireland: 3905 p/d per ltr in 32 ds for a tape & 2 ircs. V/S Otto A. Malatana. (Russell-AL). NBC: 4890 f/d Map/Logo cd in 16 ds for 2 ircs. V/S Timothy Dickson. (Johnson-CA).

SOLOMON ISLANDS/ SIBC: 9545 f/d Crest cd in 23 ds for 3 ircs. V/S G. Richardson. (Weber-OH). f/d cd in 27 ds for ms. (Ryan-NY).

#### SOUTH AMERICA

ANTARCTICA/ R Nacional Arcangel: 15474 f/d Logo/Penguin cd in 254 ds for a tape, SS rpt & 2 ircs & \$1. V/S Raul Marcelo Navarro. (Russell-AL). f/d Logo cd w/ ltr in 320 ds for a SS rpt & ms; card had 5 signers!! (Eckert-PA).

ARGENTINA/ RAE: 9690 f/d Logo cd w/ sked & forms in 100 ds. (Bishop-NY). 11710 f/d cd & sked in 52 ds. V/S Silvana Licciardi. (Fischer-WI).

BOLIVIA/ R Fides: 4845 p/d Andes/Logo cd in 457 ds for a SS rpt & ms. V/S Roxana Beltran C. (Flynn-CA). R Illimani: 6025 f/d pfc w/ per ltr in 34 ds for a SS rpt & \$1. V/S Carmelo de la Cruz Huanca. Address: Casilla 7902, La Paz. (D'Angelo-PA). R Panamericana: 6105 f/d pfc w/ card & ltr in 31 ds after f-up for a SS rpt & ms. V/S Johnny Dueri. (Bryant-OK).

BRAZIL/ RadioBras: 11745 f/d Rio cd w/ sked & form in 75 ds. V/S Nara Ferreira. (Lemke-AB). SRI Relay: 17730 f/d Zug cd in 23 ds for 3 ircs. (Weber-OH). R Clube do Para: 4885 p/d per ltr in 31 ds for a PP rpt & ms. V/S Solange Souza. (D'Angelo-PA). R Nacional Macapa: 4915 f/d pfc w/ per ltr in 35 ds for a PP rpt & \$1. V/S Eudson Monteiro Lima. (D'Angelo-PA). R Timbira do Maranhao: 4975 f/d ltr in EE in 41 ds for a PP rpt & 2 ircs. V/S Joao Ferreira. (Pagano-DC). R Cultura do Para: 5045 p/d form ltr w/ decals & info in 20 ds for a PP rpt & ms. (Archer-NC). p/d ltr w/ sticker in 45 ds for a PP rpt, tape & ms. V/S Ronald Pastor. (Russell-AL). R Gaucha: 6020 p/d folder cd in 68 ds for a PP rpt & ms. (D'Angelo-PA). R Nacional da Amazonas: 6180 p/d form ltr in 27 ds for a PP rpt & ms. (D'Angelo-PA). R Rio Mar: 9695 p/d Edificio cd in 15 ds for a SS rpt & ms. (Robinson-TN). R Cultura Sao Paulo: 17815 p/d ltr in 38 ds for a PP rpt & \$1. V/S Tuais de Almeida Dias. (Weber-OH).

COLOMBIA/ Caracol Bogota: 4755 p/d per ltr w/ sticker in 37 ds for a SS rpt & \$1. (Coday-CA). Caracol Neiva: 4945 p/d per ltr in 53 ds after f-up for a SS rpt & ms. Address: Apartado Aereo 8700, Bogota. (D'Angelo-PA). R Sutatenza: 5095 p/d Logo cd in 262 ds after f-up for a SS rpt & 2 ircs. V/S Luz Angela Duenas C. (Wright-MB). La Voz de los Centauros: 5955 n/d station cd in 150 ds for a SS rpt & ms V/S Juan Carlos Torres Leyva. (D'Angelo-PA).

ECUADOR/ HCJB: 6205 f/d Galapagos cd in 36 ds. (Lemke-AB). 2 f/d cds in 18 & 20 ds. (Lemke-AB). f/d Chimbarazo mts cd in 36 ds. (Lemke-AB). f/d La Ronda cd in 52 ds. (Bishop-NY). f/d cd in 54 ds. (Lemke-AB). 9720 f/d cd in 25 ds. (Lemke-AB). 11775 f/d Plaza de la Independencia cd in 2 wks. (Johnson-ID). 17890 f/d Calo la Portues cd in 79 ds. for ms. (Bishop-NY). 6230 & 15155 f/d cd & forms in 34 ds. (Lemke-AB).

..... More to come from Ecuador.....

La Voz del Napo: 3280 p/d cd w/ pennant sticker & postcard in 25 ds after f-up for a SS rpt & ms. V/S Ramiro Cabrera. (D'Angelo-PA). R Pastaza: 3315 f/d pfc w/ ltr, postcards, pennant, stickers, cassette of folklore music & 50 sucre bill!! ...nice haul!... in 55 ds after f-up for a SS rpt & \$1. V/S Senor Jorge R. Chicaiza. (Kusalik-AB). Emisoras de Sistema Atalaya: 4760 p/d Logo "Certificado de Sintoniza" cd w/ ltr in 28 ds after 2nd f-up for a SS rpt & ms. V/S Andres Mendoza Paladines. (Mahoney-FL). R Paz y Bien: 4820 p/d Logo cd w/ per ltr in 81 ds for a SS rpt & ms. V/S Enrique Pasantez G. (NC-Archer). p/d logo cd w/ ltr in 476 ds for a SS rpt & \$1. (Coday-CA). La Voz del Upano: 5040 p/d computer ltr w/ stickers in 101 ds for a SS rpt & ms. V/S Sor Dolores Palacios C. (Archer-NC). R Jesus del Gran Poder: 5050 2 f/d pfcs w/ sticker in 60 ds after f-up for a SS rpt & \$1. (Kusalik-AB).

GALAPAGOS ISLANDS La Voz de Galapagos: 4810 p/d wildlife cd in 26 ds for a SS rpt & \$1. (George-NC). f/d pfc in 60 ds after 2nd f-up for a SS rpt & \$1. V/S Padre Victor Maldonado. (Kusalik-AB).

PERU R Huanta 2000: 4756 f/d pfc in 182 ds after f-up for a SS rpt & a SASE. V/S Renato Felipe. (Archer-NC). R Tropical: 4935 p/d frm ltr w/ pennant in 203 ds for a SS rpt & \$1. V/S Luis F. Mori. (Archer-NC). R Union: 6115 p/d cd in 82 ds for a SS rpt & ms V/S Gonzalez Iwasaki Sanchez. (D'Angelo-PA). R Del Pacifico: 9950 f/d ltr w/ sked in 20 ds for a SS rpt & \$1. (Jones-TN). f/d per ltr w/ sked in 30 ds for a SS rpt & \$1. V/S J. Petronio Allauca. (CA-Coday).

URUGUAY R El Espectador: 11835 f/d cd w/ large pennant in ?? ds for a SS rpt & \$1. V/S Hugo Magnani Dapetit. (Bryant-OK).

VENEZUELA R Tachira: 4830 n/d frm ltr in 180 ds for a SS rpt, tape & ms. V/S Eleazar Silva M. (Russell-AL). YVTO: 6100 f/d cd w/ ltr & History of station in 49 ds for a SS rpt. V/S CN Pedro Pablo Leon. (Fischer-WI).

#### MISCELLANEOUS

World Mission Radio Via Radio Caroline: 6215 f/d Church cd w/ ltr in 109 ds for ms. V/S G. Stanley. (D'Angelo-PA): f/d cd w/ goodies in 3 mo for \$1. (Ross-ON).

NACI, USS COOK: 2716 f/d ltr in 2 mo for a SASE. (Gordon-CT). NLKC, USS Crommelin: 2716 f/d ltr w/ photo in 18 mo after f-up for a SASE. (Gordon-CT). NTEX, USS Texas: 4066.1 f/d ltr w/ photo and ships cap in 3 mo for SASE. (Gordon-CT). NROP, USS Juneau: 4066.1 f/d ltr in 4 wks for SASE. (Gordon-CT). WTT-6027 "Stow a Way": 4125 f/d pfc & photo in 27 ds for ms. (O'Connor-NH). NRPZ, USCGC Pawpaw: 5320 f/d pfc in 25 ds for ms. (O'Connor-NH). WYH-4108. "J.A. Belcher Sr." 8294.2 f/d pfc in 16 ds for ms. (O'Connor-NH). C-GDW Wardair 901: 11396 f/d pfc in 10 ds for ms. (O'Connor-NH). GBTT, QEII: 12351.7 f/d pfc in 263 ds for ms. V/S P.E. Williams. (Gerstner-NY). 3EVA4 "Cordoba": 12530 f/d pfc in 195 ds for an irc. (O'Connor-NH). WIBK "Cherry Valley": 12543 f/d pfc in 34 ds after f-up for ms. (NH-O'Connor). VCWX "Irving Canada": 12552.6 f/d pfc in 68 ds after f-up for ms. (O'Connor-NH). C4LI "Akrata": 12600 f/d pfc in 91 ds for an irc. (O'Connor-NH). NIEM, USS Reeves: 13826 f/d ltr w/ pamphlet in 7 wks for SASE. (Gordon-CT). NQJ5, USS Grapple: 14441.5 f/d ltr in 3 wks for SASE. (Gordon-CT). NMYE, USS Biddle: 14441.5 f/d postcard in 3 mo. (Gordon-CT). USNS Chauvenet NNNOCG: 14467 f/d ltr in 241 ds for ms. V/S D.E. Kojls. (Gerstner-NY). USS Detroit NNNOCRB: 14483.5 f/d pfc in 100 ds for ms. V/S Michael McGuire. (Gerstner-NY). EQIR "Iran Modares": 16463.1 f/d pfc w/ ltr in 67 ds for an irc. (O'Connor-NH). GCFA "Strathbora": 16463.1 f/d pfc w/ ltr & photo in 34 ds for an irc. (O'Connor-NH). GLNE "Discovery": 16463.1 f/d pfc w/ photo in 24 ds for ms. (O'Connor-NH). KSPK "Keystone Canyon": 16463.1 f/d pfc in 15 ds for ms. (O'Connor-NH). VRMC "Ocean Thistle": 16463.1 f/d pfc w/ ltr & pc in 38 ds for an irc. (O'Connor-NH). WRA-8896 "Digicon Definition": 16463.1 f/d pfc in 24 ds for ms. (O'Connor-NH). WYB-7303 "Gulf Fleet #34": 16463.1 f/d pfc w/ photo in 58 ds for ms. (O'Connor-NH).

MERRY CHRISTMAS & HAPPY  
NEW YEAR TO ALL!

Ray

# UTILITY SCENE

Paul Lannuier, N2HIE 25 MacArthur Avenue Closter, NJ 07624

## FIXED COASTAL AND NAVAL STATIONS

2182.0	USB	Canada	VFM	Montreal, PQ	0952	Ann. of upcoming broadcast	O'Connor-NH
2582.0	USB	Bermuda	ZIM	Bermuda Harbor Radio	0038	Notices to mariners	Gerstner-NY
6470.5	CW	Jamaica	6Y1	Kingston Radio	-	CO marker	Hawkins-TX
8148.0	CW	Denmark	OVG	Fredrikshaven Naval	0720	Danish Marine/V marker	Hawkins-TX
8437.0	CW	Algeria	7TP	Boufarik Radio	0555	CO marker	Hawkins-TX
8440.0	CW	Canada	VCS	Halifax CG Radio, NS	0713	V marker	Hawkins-TX
8469.0	CW	Cape Verde Is.	DMA	Sao Vicente Radio	0944	CO marker	O'Connor-NH
8515.0	CW	Libya	SAT	Tripoli Radio	2032	CO marker	O'Connor-NH
8551.6	CW	Portugal	CTP	Oeiras Naval	0510	Portuguese Navy/WATO/V marker	Hawkins-TX
8606.0	CW	South Africa	ZRO	Capetown Naval	0530	RSA Navy/CO marker	Hawkins-TX
8651.5	CW	Surinam	PZN	Paramaribo Radio	0630	CO marker	Hawkins-TX
12658.2	CW	Saudi Arabia	HZG	Dammam Radio	0416	DE marker	O'Connor-NH
12659.9	CW	Singapore	9VG37	Singapore Radio	2237	V marker	O'Connor-NH
12664.5	CW	Tahiti	FUM	Papeete Naval	1618	French Navy/V marker	Conway-UK
12678.0	CW	Malaysia	9MG3	Penang Radio	2116	CO marker	Conway-UK
12698.0	CW	South Africa	ZSC9	Capetown Radio	2137	CO marker	Conway-UK
12702.0	CW	East Germany	YSM	Ruegen Radio	1947	-	Gerstner-NY
12706.5	CW	Argentina	LST9	Buenos Aires Radio	2049	DE marker	Conway-UK
12727.0	CW	South Korea	HLJ	Seoul Radio	2140	CO marker	Conway-UK
12738.0	CW	Brazil	PPR	Rio Radio	2245	V marker	Hawkins-TX
12750.0	CW	Uruguay	CWA	Cerrito Radio	0010	CO marker	Hawkins-TX
12763.5	CW	West Germany	DAH	Norddeich Radio	0050	V marker	Hawkins-TX
12765.0	CO	USSR	UCW4	Leningrad Radio	0800	V marker	Conway-UK
12781.5	CO	Malaysia	9HB6	Penang Naval	2258	Malaysian Navy/V marker & wx	Hawkins-TX
12804.0	CW	Romania	YOI	Constanta Radio	1546	Manual t/c	Conway-UK
12811.5	CW	Japan	JFH	Hanajima Gyogyo Radio	1852	Manual t/c to J... ships	Conway-UK
12829.5	CW	Mexico	XPM	Manzanillo Radio	0920	Slow CO marker	Conway-UK
12830.0	CW	USSR	UDK2	Murmansk Radio	2119	Calling 4LS	Conway-UK
12833.0	CW	Philippines	DZP	Manila-Novaliches Radio	1645	CO marker [ off usual 12834? ]	Conway-UK
12855.0	CW	USSR	UBP2	Leningrad Radio	2126	Calling UOIF	Conway-UK
12858.0	CW	France	FUE	Brest Naval	0215	V marker	Hawkins-TX
12894.8	CW	Kuwait	9EK	Kuwait Radio	1327	CO and t/c list	Conway-UK
12944.7	CW	New Zealand	ZLP5	Irirangi Naval	1030	RNZ Navy/V marker	Berri-CA
12966.3	CO	Qatar	A7D	Doha Radio	1315	CO marker	Conway-UK
12970.0	CW	Egypt	SUE	Alexandria Radio	0850	CO marker	Conway-UK
12970.5	CW	Indonesia	PIX	Jakarta Radio	1305	CO marker	Conway-UK
12980.0	CW	Indonesia	PIX2	Jakarta Radio	1255	Manual t/c/calling YDSO	Conway-UK
12994.0	CW	Australia	VIP4	Perth Radio, WA	1425	T/c list	Hawkins-TX
13011.0	CW	Italy	IAR23	Rome Radio	0815	CO marker	Alexander-IA
13023.7	CW	Switzerland	HEB	Berne Radio	1445	CO marker	Hawkins-TX
13024.5	CW	Pakistan	ASK	Karachi Radio	0332	Cly CO	O'Connor-NH
13045.0	CW	USSR	ROT	Moscow Naval	1824	Soviet Navy/CO marker	Conway-UK
13046.0	CW	Surinam	PZN4	Paramaribo Radio	2946	CO marker	Conway-UK
13057.0	CW	Czechoslovakia	OMC	Bratislava Radio	0829	V marker	Conway-UK
13074.5	CW	France	FET61	St. Lys Radio	1024	DE marker	Berri-CA
13076.0	CW	Australia	VIP40	Perth Radio, WA	1020	DE marker	Berri-CA
13653.0	CW	Colombia	HIC	Buenaventura Radio	2211	CO marker	Conway-UK
16902.6	CW	Netherlands	PCH	Scheveningen Radio	1705	CO marker/t/c list	Roberts-FL
16909.7	CW	Iceland	TEA	Reykjavik Radio	1936	CO/DE marker	Gerstner-NY
16932.0	CW	Algeria	7TP	Boufarik Radio	1726	CO marker	Roberts-FL
16948.6	CW	Canada	VCS	Halifax CG Radio, NS	1737	V/CO marker	Roberts-FL
16951.5	CW	Senegal	GNW	Dakar Naval	2345	French Navy/V marker	Alexander-IA
16960.0	CW	Canada	CEN	Vancouver Radio, BC	1743	DE marker	Roberts-FL
16975.0	CW	India	VMM	Madras Radio	1118	CO marker	George-WA
17045.6	CO	Argentina	LPD	Gen.Pacheco Radio	0015	V marker	Hawkins-TX
17065.0	CW	Spain	ED26	Aranjuez Radio	1805	DE marker/T/c list	Roberts-FL
17143.6	CW	West Germany	DAH	Norddeich Radio	1820	CO marker	Roberts-FL
17170.4	CW	New Zealand	ZLB6	Awarua Radio	-	CO marker/wtg unld ship	Hawkins-TX

17214.0	RTTY	Estonian SSR	UTA	Tallin Radio	1918	170/50N - RYRYRY	Roberts-FL
17360.0	CW	Tahiti	PUM	Papeete Naval	2340	French Navy/V marker	Hawkins-TX
19012.0	RTTY	Belgium	OST68	Ostend	1555	ARG: Tfc to SHDH	Blair-CA
22322.5	CW	Georgian SSR	URK	Batumi Radio	1000	Cig 4KG	Conway-UK
22326.0	CW	Japan	JNA	Tokyo Radio	2124	CQ marker	Conway-UK
22333.0	CW	USSR	URB	Khalpeda Radio	1842	Several manual CQ calls	Conway-UK
22361.0	CW	West Germany	DGW36	Frankfurt	1619	V marker	Conway-UK
22363.0	CW	Ukrainian SSR	URL	Sevastopol Radio	0933	CQ marker	Conway-UK
22390.0	CW	Martinique	FUF	Port de France Naval	1635	French Navy/V marker	Bawkins-TX
22419.0	CW	Japan	JCS	Choshi Radio	2120	CQ marker	Conway-UK
22431.0	CW	Indonesia	PIEX	Jakarta Radio	1500	CQ/DE marker	Gerstner-NY
22448.0	CW	Romania	YQ17	Constanta Radio	1007	Short manual CQ	Conway-UK
22450.0	CW	USSR	ROT	Moscow Naval	1010	Soviet Navy/CQ marker	Conway-UK
22455.0	CW	South Africa	ZSC40	Capetown Radio	1826	CQ marker	Conway-UK
22459.0	CW	Taiwan	YSX	Keelung Radio	0919	CQ marker	Conway-UK
22461.9	CW	New Caledonia	FUJ	Noumea Naval	2113	French Navy/V marker	Conway-UK
22479.0	CW	Portugal	CUL24	Lisbon Radio	1650	CQ marker	Hawkins-TX
22525.0	CW	Italy	IRM	Rome Radio	1630	CQ marker/CIRM 'Free Medical Service'	Conway-UK
22527.0	CW	Guam	HRV	COMSTA Barrigada	2056	USCG/CQ marker	Gerstner-NY
22533.0	CW	New Zealand	ZLB7	Awarua Radio	2016	CQ & tfc list	Conway-UK
22533.0	CW	Spain	EDZ7	Aranjuez Radio	1455	DE marker	Gerstner-NY
22543.0	CW	Algeria	7TF	Boufarik Radio	1451	CQ/DE marker	Gerstner-NY
22562.0	RTTY	England	GLE7	Portsmouth Radio, England	1900	ARG - ID marker	Hawkins-TX
25197.0	CW	Argentina	LSA	Boca Radio	2030	V marker/nav & wx msgs in SS	Conway-UK
25308.0	CW	Norway	LFK	Bergen Radio	1438	CQ marker	Conway-UK

OTHER FIXED STATIONS, INCLUDING AERO, RTTY AND FAX

3486.0	USB	Canada	-	Gander Radio, Nfld.	0721	Aero weather	Kerrigan-IL
4221.3	FAX	USA	IKVX	Leves, DE	0730	120/576 - Wx maps	Knapp-OH
5097.0	FAX	Canada	CPH	Balfax, NS	0517	120/576 - Wx maps	Knapp-OH
5125.0	USB	West Germany	-	Holzlrchen	0614	RPE feeder	Janusz-NJ
5783.3	FAX	Greece	NGR	Kato Soli	0540	120/576 - USN/Wx maps	Knapp-OH
6673.0	USB	USA	KJY74	Miami, FL	0010	Nat. Hurricane Ctr. w/g NOAA 43	Alexander-PA
6795.0	RTTY	Bulgaria	LZN7	Orehovo	0025	425/50R: Meteo	Lannuier-NJ
6835.0	RTTY	England	GPL22	Bracknell	0425	425/50R: Meteo	Lannuier-NJ
6844.5	RTTY	France	FDY	Orleans Air	0415	425/50R: PAP/RYRYRY	Lannuier-NJ
6848.0	RTTY	Poland	SOG284	Warsaw	0004	425/50R: PAP nx in EE	Lannuier-NJ
6920.2	RTTY	Ukraine	ROC70	Kiev	0400	850/50R: Meteo	Lannuier-NJ
7571.0	LSB	England	AJE	Croughton	0752	APRTS feeder	Janusz-NJ
7600.0	AM	Ecuador	HD210A	Guayaquil	0403	Time signals	Kerrigan-IL
7607.7	RTTY	Egypt	SUA231	Cairo	2341	425/50N - MENA nx in EE	Knapp-OH
7748.3	FAX	USSR	RAW79	Moscow	2365	120/576 - Satellite wx photos	Knapp-OH
7873.3	FAX	East Germany	DDK3	Hamburg	0552	120/576 - Wx maps	Knapp-OH
8453.3	FAX	USA	NPH	NAVCOMSTA Pearl Harbor, HI	0650	120/576 - Wx maps	Knapp-OH
8993.0	USB	Hawaii	GAG2	Hickam APB	0159	USAP/Skyking message	Battles-NH
9043.5	CW	Unknown	I	???	1230	Channel Marker	Hawkins-TX
9207.5	RTTY	Uruguay	CXR	Montevideo Naval	0022	425/75R - DE marker/RYRYRY/SGSGSG	Alexander-IA
9210.0	RTTY	Cuba	CLM251	Bavana	2300	425/50N - Telegrams for Mid-America cities	Alexander-IA
9334.5	LSB	England	AJE	Croughton	0814	APRTS feeder	Janusz-NJ
9341.0	RTTY	France	FDY	Orleans Air	1010	425/50R: PAP/RYRYRY and Bricks	Alexander-IA
10780.0	USB	USA	AFE71	Cape R., Canaveral APS, FL	1445	NASA Shuttle support/radio check	Battles-NH
10819.0	RTTY	USA	AAAGUSA	Pt. Sam Houston, TX	0318	Packet: US Army MARS Packet Bulletin Board (P	Lannuier-NJ
10972.2	RTTY	Morocco	-	Tangier	0300	425/75N: USIA nx in EE	Lannuier-NJ
11030.0	RTTY	Australia	AXH34	Canberra, ACT	1652	850/50R: RAAP/Meteo	Blair-CA
11086.4	FAX	USA	KVW70	Honolulu	1251	120/576 - Meteo	Knapp-OH
11272.0	USB	Canada	CHR	Trenton Military, Ont	1748	RCAP	Kerrigan-IL
11476.0	RTTY	North Korea	HMF52	Pyongyang	0400	425/50R: ICNA nx in EE	Lannuier-NJ
11638.0	RTTY	West Germany	DBE8	Quickborn	2321	.../50R	Gerstner-NY
12175.0	RTTY	North Korea	HMF42	Pyongyang	0400	425/50R: ICNA nx in EE	Lannuier-NJ
12729.4	FAX	USA	HMC	COMSTA San Francisco, CA	2350	120/576 - Wx maps	Knapp-OH
12826.0	RTTY	Gibraltar	GYU	Gibraltar Naval	0340	850/75R: Foxes	Lannuier-NJ
13214.0	USB	Turkey	AJG	Inciroluk APB	1925	USAP	Battles-NH
13264.0	USB	Ireland	EIP	Shannon Volmet	2111	Aero weather	George-MA
13270.0	USB	Canada	VPG	Gander Radio, Nfld.	1855	Aero weather	George-MA
13540.0	RTTY	Argentina	LRO81	Buenos Aires	2345	425/50R: TELAM Nx	Hawkins-TX
13901.0	RTTY	France	FDY	Orleans Air	-	425/50R: RYRYRY	Lannuier-NJ
13920.0	RTTY	Australia	AXH35	Canberra, ACT	1700	850/50R: RAAP/Meteo	Blair-CA
13942.0	RTTY	[Zambia]	9JN	???	2250	PBC - RYRYRY DE 9JN	Gerstner-NY
14390.5	USB	USA	APAZJT	Washington, DC	1625	State Dept/Emergency hurricane t/c to Jamaica	Roberts-FL
14490.0	RTTY	USSR	RNK36	Moscow	0530	425/50R: BAKHTAR nx in EE	Lannuier-NJ
14612.0	RTTY	Brazil	PWZ33	Rio de Janeiro Naval	0125	850/50R: Brazilian: Navy/calling RPPN	Lannuier-NJ
14632.0	RTTY	Yugoslavia	Y2C2	Belgrade	1450	425/50R - TANJUG nx in EE	Hawkins-TX
14800.1	RTTY	East Germany	Y2Y24	Berlin	1813	425/50N - RYRYRY/ADN nx	Roberts-FL



14901.3	RTTY	Cuba	CLM451	Havana	1500	425/50N	Packet in EE	Bankins-TX
14931.6	RTTY	USA	MAAGUSA	Pt. Sam Houston, TX	1930	Packet:	US Army MARS Packet Bulletin Board (P	Lannuier-NJ
15693.5	RTTY	Italy	ISX56	Rome	1505	425/50N:	ANSA tx in EE	Bankins-TX
15955.4	RTTY	Mauritius	3BT4	Bigara	1829	850/50R	- RYRYRY/Meteo	Roberts-PL
15978.5	RTTY	France	PPP977	Paris	1808	350/50N:	APP/RYRYRY	Roberts-PL
16106.3	RTTY	France	PP08	Paris	0320	425/50N:	DIPLO nx in PP & EE	Lannuier-NJ
16438.0	RTTY	Cuba	CLM530	Havana	2200	425/50R	- PL nx/usual commie bull	Bankins-TX
16560.0	RTTY	Cuba	-	Havana	2222	425/50R:	PL nx in EE	Alexander-IA
17404.0	CW	Liberia	KDM44	Monrovia	1737	US Embassy	-	Roberts-PL
17453.0	RTTY	Cuba	CLN	Havana	2230	.../50R:	Foxes and RYRYRY	Gerstner-MY
17456.2	RTTY	East Germany	Y7L38	Berlin	1744	550/50N:	MFA/RYRYRY	Roberts-PL
18278.0	RTTY	Kuwait	9KT351	Huban	1530	425/50R:	KUMA nx in EE	Lannuier-NJ
18385.0	RTTY	USSR	RRC20	Alma Ata	1545	425/50R:	-	Lannuier-NJ
18462.0	RTTY	Netherlands	PCV1	The Hague	1551	ARG:	Marker with CW ID	Lannuier-NJ
19443.0	RTTY	East Germany	Y7A77	Berlin	1800	425/50N:	MFA \\1970.0 till 1800	Bankins-TX
19480.1	ISB	USA	-	unknown	2037	VQA feeder	-	Janusz-NJ
19700.3	RTTY	East Germany	Y7A78	Berlin	1745	425/50N:	MFA/GRA marker	Bankins-TX
20078.3	RTTY	France	PTU8B	Paris	1440	425/50N:	DIPLO nx in EE	Lannuier-NJ
20157.0	RTTY	Colombia	5KM	Bogota Naval	2015	425/75N	- DE marker/RYRYRY	Alexander-IA
20240.0	RTTY	USSR	-	Unknown	-	425/50:	RYRYRY into TASS nx in FR	Lannuier-NJ
20311.7	RTTY	France	FTU31B	Paris	1430	425/50N:	APP nx in EE	Lannuier-NJ
20350.4	RTTY	Panama	NBA	NAVCOMSTA Balboa	1455	850/75R:	USN/RYRYRY & SOSGSG	Lannuier-NJ
20360.4	RTTY	Puerto Rico	NAU	San Juan	2228	850/75N:	USN/Testing w/foxes & GWERTY	Lannuier-NJ
20471.5	RTTY	Uruguay	CXR	Montevideo	1555	850/75R:	Foxes, RYRYRY, DE CXR	Blair-CA
20471.5	RTTY	Uruguay	CXR	Montevideo Naval	1930	850/75R	- DE marker/RYRYRY/SOSGSG	Alexander-IA
20597.8	RTTY	Switzerland	BD120	Berne	1520	ARG:	MFA/Oil market reports	Lannuier-NJ
20720.0	USB	Brazil	PPX	Rio de Janeiro	1950	Telcom	in PP	Conway-UK
20892.0	RTTY	Brazil	PWZ33	Rio de Janeiro Naval	2218	850/75N:	Brazilian Navy/Testing	Lannuier-NJ
20823.7	LSB	Comoro Is.	D6R408	Moroni	1948	Telcom ttc	-	Conway-UK
20885.0	LSB	Panama	AHP4	Albrook AFS	2047	USA/E/Cig E21	-	Conway-UK
20885.0	LSB	Peru	QAE21	Lima	2048	USA/E/Patches to AHP4	-	Conway-UK
20885.0	LSB	Paraguay	ZPM261	Asuncion	1915	USA/E/Cig AHP4	-	Conway-UK
22330.6	CW	Angola	D3B51	Luanda Radio	1633	CQ marker	-	Bankins-TX
22370.0	CW	Greece	SXA	Athens Naval	1333	Cig SZR	-	Conway-UK
22408.3	CW	New Zealand	ZLP	Waiouru Naval	2215	V marker	-	Conway-UK
22728.3	RTTY	Japan	JMG	Tokyo	2022	850/50R:	Meteo	Blair-CA
22810.0	RTTY	Panama	NBA	NAVCOMSTA Balboa	1533	850/75R:	USN/War games ttc in EE & SS	Blair-CA
25146.0	CW	Israel?	4XG	unknown	1932	Msgs to ships	-	Conway-UK
25390.0	CW	England	GY2	Portsmouth Radio	1436	DE marker	-	Conway-UK

#### MARITIME MOBILE STATIONS

2714.0	NWJ	USS JACK WILLIAMS	USB	0300	Cig Charleston Tug Control	Gordon-CT
2716.0	NBSN	USS RICHARD E. BYRD	USB	0120	Cig Harbor Tug Control	Gordon-CT
2716.0	NGRX	USS WAINWRIGHT	USB	0000	Cig Charleston Tug Control	Gordon-CT
2716.0	NJRE	USS EDSON	USB	1015	Wkg Newport Port Control	Gordon-CT
2716.0	NTJZ	USS WILLIAM H. STANDLEY	USB	1005	Wkg San Diego Control 1	Gordon-CT
2716.0	NTCH	USS THOMAS C. HART	USB	2320	Wkg Norfolk Tug Control	Gordon-CT
2716.0	NACI	USS COOK	USB	0935	Wkg San Diego Control 1	Gordon-CT
2716.0	NCOI	USS HARRY E. YARNELL	USB	2325	Cig Norfolk Tug Control	Gordon-CT
2716.0	NTOP	USS LAWRENCE	USB	1018	Cig Norfolk Tug Control	Gordon-CT
2716.0	NBTH	USS BOWEN	USB	0950	Cig Tug Control	Gordon-CT
2716.0	NOTC	USS CARON	USB	1125	Radio check w/USS BRISCOE	Gordon-CT
2716.0	NDIB	USS BRISCOE	USB	1120	Cig Norfolk Tug Control	Gordon-CT
2716.0	NIUZ	USS SELLERS	USB	2315	Cig Charleston Tug Control	Gordon-CT
2716.0	NRWS	USS SIMPSON	USB	2100	Cig Newport Harbor Control	Gordon-CT
2716.0	NBRA	USS STARK	USB	0900	Cig Navy New York Ops	Gordon-CT
2716.0	NWST	USS MAHLON S. TINSDALE	USB	1010	Cig San Diego Control 1	Gordon-CT
2716.0	NIGD	USS GARCIA	USB	1025	Radio check request	Gordon-CT
2716.0	NPPD	USS LEPTWICH	USB	1020	Cig San Diego Control 1	Gordon-CT
2716.0	NHRJ	USS RUEBEN JAMES	USB	1015	Cig Long Beach Control	Gordon-CT
2716.0	NFVC	USS CAPODANNO	USB	0845	Cig Newport Port Control	Gordon-CT
2716.0	NIID	USS RECOVERY	USB	1015	Radio check w/USS CAPODANNO, NFVC	Gordon-CT
2716.0	NLZL	USS FIDELITY	USB	2310	Cig Navy Ops Control, Cape Canaveral	Gordon-CT
4066.1	NWJE	USS ESTOCIN	USB	0100	Cig Norfolk IC3B	Gordon-CT
4066.1	NROP	USS JUNEAU	USB	0230	Cig San Diego CSS1	Gordon-CT
4066.1	NREG	USS RANGER	USB	0900	Cig San Diego CSS1	Gordon-CT
4066.1	NPKO	USS REASONER	USB	0155	San Diego CSS1	Gordon-CT
4066.1	NHDK	USS PAUL F. POSTER	USB	0215	Cig San Diego CSS1	Gordon-CT
4066.1	NBDD	USS LYNDE McCORMICK	USB	1010	Cig San Diego CSS1	Gordon-CT
4094.0	WTY4199	EISNET	USB	1835	Wkg WOO Ocean Gate, NJ	O'Connor-NH
4109.5	W5G4330	TAIL WALKER	USB	1818	Wkg WOO Ocean Gate, NJ	O'Connor-NH
4125.0	VPOP	SRALLMAR	USB	1809	Cig SHEER TERROR	O'Connor-NH

5320.0	HRPZ	USCCG PAPAN	USB	0203	USCG/Wkg NMG COMNSTA New Orleans, LA	O'Connor-NH
8771.0	-	SPARTAN	USB	1521	Unld USN unit	Battles-NH
12497.5	3EY13	M/S HOLIDAY	RTTY	2239	ARG - Wkg WCC Chatham, MA w/telex tfc	Gerstner-NY
12498.5	LIZAS	SUN VIKING	RTTY	2152	ARG - Wkg WLO Mobile, AL w/telex tfc	Gerstner-NY
13826.0	NNHOCVF	USS INGERSOLL	USB	1300	MARS/Wkg NNHOPRO	Gordon-CT
14441.5	NNHOCAC	USS MOBILE BAY	USB	0030	MARS/Wkg NNHONLW	Gordon-CT
14441.5	NNHOCUO	USS SPURANCE	USB	0025	MARS/Wkg NNHONLW	Gordon-CT
14441.5	NNHOCOP	USS NIMITZ	USB	2315	MARS/Wkg NNHONLW	Gordon-CT
14441.5	NNHOCVY	USS CARL VINSON	USB	2320	MARS/Cig any stateside MARS station	Gordon-CT
14441.5	NNHOCRD	USS HOHENSTERN	USB	2315	MARS/Cig any stateside MARS station	Gordon-CT
14441.5	NNHOCRZ	USS AMERICA	USB	2325	MARS/Cig any stateside MARS station	Gordon-CT
14441.5	NNHOCZS	USS PLATTE	USB	0005	MARS/Cig any stateside MARS station	Gordon-CT
14441.5	NNHOCNI	USS ROBERT G. BRADLEY	USB	2365	MARS/Wkg NNH0ZBC	Gordon-CT
14441.5	NNHOCNR	USS PEARLESS	USB	0120	MARS/Cig any stateside MARS station	Gordon-CT
14441.5	NNHOCVQ	USS VOGE	USB	2320	MARS/Wkg NNHONIG	Gordon-CT
14441.5	NNHOCVU	USNS DUTTON	USB	0035	MARS/Radio check request/new callsign	Gordon-CT
14441.5	NNHOCAA	USS NEWPORT	USB	2330	MARS/Wkg NNHONBL, US Sub Base Groton, CT	Gordon-CT
14441.5	NNHOCRJ	USS CHARLES F. ADAMS	USB	0015	MARS/Wkg NNHONLW	Gordon-CT
14441.5	NNHOCJF	USS McCARDLESS	USB	0020	MARS/Cig any stateside MARS station	Gordon-CT
14447.0	NNHOCWZ	USS BIDDLE	USB	2315	MARS/Wkg NNHDXPO	Gordon-CT
14463.5	NNHOCXZ	USCCG POLAR STAR	USB	0200	MARS/Wkg NNHONLW	Gordon-CT
14467.0	NNHOCFA	USS PRARIE	USB	0200	MARS/Wkg NNHONTI	Gordon-CT
14470.0	NNHOCMT	USS REEVES	USB	2315	MARS/Wkg NNH0KRO	Gordon-CT
16463.1	ESPR	KEYSTONE CANYON	USB	1853	Wkg IRI Dixon, CA	O'Connor-NH
16463.1	GDHR	ITM VENTURER	USB	1635	Wkg GXT62 Portlehead, England	O'Connor-NH
16664.5	UTDJ	TY DZHUZEPPÉ VERDI	RTTY	1930	170/50N - Tfc	Roberts-PL
16667.0	-	BLUE SAPPHIRE	RTTY	1624	ARG - Telex tfc	Roberts-PL
16673.5	HCZV	M/V PROVINCIAS DEL GUAYAS	RTTY	1828	ARG - Wkg NNH COMNSTA Portsmouth, VA	Roberts-PL
16673.5	0XT22	[ MIXTICO? ]	RTTY	1907	ARG - Obs to NNH COMNSTA Portsmouth, VA	Roberts-PL
16674.5	CARS	STINKIES MISTRAL	RTTY	1743	ARG - Wkg WLO Mobile, AL	Roberts-PL
16688.5	3ENOS	TUNDRA SPRINTER	RTTY	1646	ARG - Telex to WNU Slidell, LA	Roberts-PL
16692.0	ZPCB	M/V CARTAGENA	RTTY	1918	ARG - Telex tfc	Roberts-PL
16699.0	BORI	HB TORZBOK	RTTY	1640	Wkg UR82 Klaipeda, Lithuanian SSR	Roberts-PL
16699.5	UURY	MATROS BALTIKI	RTTY	1633	170/50N - Wkg UUY Kaliningrad, USSR	Roberts-PL
16704.5	ESWE	RIZESKIY ZALIIV	RTTY	1941	170/50N - Tfc to Odessa	Roberts-PL

#### AERONAUTICAL MOBILE STATIONS

3067.0	SAM 60206	USB	0400	Wkg USAF Croughton, England	Alexander-PA
5535.0	SPEEDBIRD 7376	USB	1408	RAW Concorde wkg London	Battles-NH
5692.0	CG 1469	USB	1102	USCG/Wkg Traverse City, MI	Battles-NH
5696.0	CG 1493	USB	2124	Wkg COMNSTA Boston/Medevac patient from USS FULTON	Battles-NH
5696.0	CG-2116	USB	0531	Wkg IJY74 w/hurricane data	Battles-NH
5696.0	NOAA 42	USB	0531	Wkg IJY74 w/hurricane data	Battles-NH
6683.0	AIR FORCE TWO	LSB	0057	USAF/Wkg Andrews AFB w/Patch to SAM command	Battles-NH
6683.0	AIR FORCE ONE	USB	0015	Wkg Andrews AFB, MD	Alexander-PA
6715.0	SAM 60204	LSB	2154	Wkg Andrews AFB, MD	Alexander-PA
6730.0	AIR FORCE TWO	LSB	1631	Wkg Andrews AFB, MD	Alexander-PA
6750.0	AF RESCUE 820	USB	0516	USAF/Wkg Croughton	Battles-NH
6750.0	GULL 23	USB	0407	Patch to Miami Monitor via McDill AFB, FL	Alexander-PA
6756.0	SAM 86970	USB	2218	USAF/Wkg Andrews w/radio check	Battles-NH
6760.0	AIR FORCE TWO	LSB	0115	Wkg Andrews AFB, MD	Alexander-PA
6830.0	SAM 60201	USB	1457	USAF w/IFE: right landing gear not wkg	Battles-NH
7813.0	AIR FORCE ONE	USB	2234	Wkg Andrews AFB, MD	Alexander-PA
8993.0	TROUT 99	USB	1646	USAF/Wkg MacDill AFB, FL	Battles-NH
8993.0	GULL 21	USB	2235	Patch to Miami Monitor via Andrews AFB, MD	Alexander-PA
9011.0	SAM 60206	USB	0347	Wkg USAF Croughton, England	Alexander-PA
10015.0	NOAA 42	USB	0030	WP-3 wx recon plane wkg IJY74	Battles-NH
11035.0	SAM 26000	LSB	2225	Wkg Andrews AFB, MD	Alexander-PA
11176.0	NOAA 43	USB	0000	Patch to Miami Monitor via AFD14 Ascension Is.	Alexander-PA
11180.0	SAM 24127	USB	1521	USAF/Wkg Andrews AFB w/patch to SAM command	Battles-NH
11210.0	SAM 60201	USB	2237	Wkg Andrews AFB, MD	Alexander-PA
11246.0	TEAL 60	USB	2154	Patch w/McDill AFB, FL/Burricane Florence data	Roberts-PL
11396.0	UPS 867	USB	0042	ICAO W/E-CAR area/Cig Atlanta	Battles-NH
13244.0	NAC 11411	USB	1916	USAF/Wkg Lajes, Azores	Battles-NH
13247.0	SAM 60204	USB	1606	Wkg Andrews AFB, MD	Alexander-PA
15015.0	GULL 20	USB	2305	Patch w/Miami Monitor via Albrook AFB, Panama	Alexander-PA
18027.0	SAM 31676	USB	2235	Wkg Andrews AFB, MD	Alexander-PA
20154.0	SAM 86972	USB	2106	Wkg Andrews AFB, MD	Alexander-PA

Thanks to our ever reliable postal service, the November column did not reach Ed until two days after deadline. It is not possible to fit all loggings from two months in one months issue, so this month will include Fixed loggings from November and December in addition to last months Mobile loggings. Next month will include the December and January Mobile loggings as well as January's Fixed reports. I still found it necessary to chop out some loggings to keep the size down this month. I only omitted USA-located Fixed stations, mostly coastals which are commonly heard.

Contributors this month and last were:

NOVEMBER & DECEMBER:

Brian Alexander - Mechanicsburg, PA  
W.J. Battles - East Kingston, NH  
Peter A. Conway - East Sussex, England  
Andrew Gordon - West Hartford, CT (NRD-515, ICF-2010)  
Hugh M. Hawkins - San Antonio, TX  
Patrick O'Connor - Hinsdale, NH  
Kenneth Roberts - Ft. Lauderdale, FL (R-71A)

NOVEMBER ONLY:

Jeff Knapp - Cincinnati, OH (R-2000, M-600A, KPC-2)

DECEMBER ONLY:

Rodney Alexander - Clinton, IA (R-70, M-6000, BC-300)  
Jason E. Berri - Torrance, CA (R-2000, ATS-803)  
Art Blair - San Francisco, CA (NRD-515, M-7000)  
Steve George - MA  
John Gerstner - Lk. Ronkonkoma, NY (DX-1000)  
Ed Janusz - Bricktown, NJ (ICF-2010)  
Patrick Kerrigan - IL

Welcome back, Jeff!

Kenwood's new RZ-1 wideband receiver has been finally introduced after much speculation that it would not appear on the US market. The manufacturer wisely reconsidered; they obviously have a gap to fill, what with the great success of Yaesu's FRG-9600 and Icom's incredible R-7000. The RZ-1 is essentially a car radio, featuring a DIN-size chassis compatible with most late-model automobile dashboards. It features 500 kHz through 900 MHz continuous coverage, 100 memory channels; 7-character alphanumeric display, NTSC video output; and stereo audio outputs (for FM wide).

Ed Janusz, our humble publisher, witnessed one of the first available units go through a rigorous hands-on evaluation one Saturday at Gilfer Shortwave's Shelter for Wayward DXers; since then I have been playing around with one, comparing it to a Kenwood TS-930S and Icom R-7000. This might not sound like a fair match up, and it isn't. But I have to compare it to something. AM performance, especially on the SWBC bands, is below the quality of even the simplest SW portables. I found the AGC to be quite choppy during fading, as if the attack time is not quick enough and the decay too fast. There is no SSB mode; it would be useless anyway with tuning steps of 5 kHz, which is as fine as the RZ-1 will go. The built-in speaker is minimal. I tried it with a Kenwood SP-430 external speaker and that helped a lot. The manufacturer does not state any selectivity figures, but the human ear will tell you that it is wide, if not unusable for crowded SWBC bands.

Performance on VHF and UHF is not bad, especially when compared to many scanners on the market. I won't get into this area, though, since it's out of the basic scope of this column. Suffice it to say that it is certainly adequate as a mobile scanner, and can easily be mistaken for a normal car radio by law enforcement officials in states which prohibit VHF/UHF radios in automobiles. This fact alone may justify the price, which is in the neighborhood of \$500.00. My conclusion: This is the ultimate car radio, but nothing can take the place of two separate specialized receivers for HF and V/UHF.

HELP WANTED: Peter Conway needs QSL address information for the following stations:

KHT Cedar Rapids, Iowa  
KVR461 Pensacola, Florida  
WBD Houston, Texas

All stations operate on 16587.1 khz.

LOG REPORTS: Up to now, I have received about half a dozen different types of logging forms. All include the vital information, but no two forms have this info in the same order. I don't object to any of the forms, as long as each logging provides the following information: For fixed stations, COUNTRY, CALL, LOCATION, kHz, MODE, TIME (in UTC), REMARKS, and CONTRIBUTOR. For mobile stations, replace COUNTRY with TYPE (Ship or Aero). Since it is often difficult to determine the location of many mobile stations, I do not list this as a separate category; if known, the location should be given in the REMARKS column. For those who produce their own forms by computer, or type their loggings manually, I would appreciate using the categories in the order listed above.

That's all for this month. Hope Santa delivers the goods to all! See ya next year. 73 de

*Paul*

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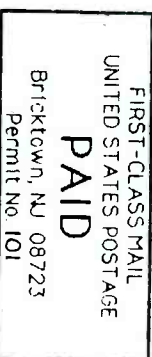
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