

# NASA

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The  
Journal  
of the  
North  
American  
Shortwave  
Association

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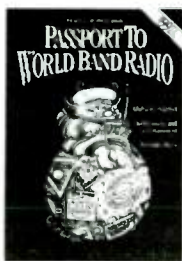
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# NASWA Notes

**Bob Brown**  
238 Cricklewood Circle  
Lansdale, PA 19446  
Compuserve 74756.1557



Is there anyplace in the U.S. that has Pennsylvania October weather 12 months a year? If there is, I'd like to move there. I love this time of year. And to add additional pleasure, the radio listening conditions improve dramatically also.

Another thing great about this time of year is the yearly delivery by my mailman of a large brown envelope from Stillwater, OK. This annual event just keeps getting better and better and I don't know what more these folks can do to improve it. Yes, I'm referring to Proceedings 1991. John Bryant and the rest of the Proceedings gang are to be commended for another excellent job. This is a "must have" book for the SWDX enthusiast. If you haven't ordered it yet, do yourself a favor and buy yourself one for an early Christmas present. Order information is on Page 60 of last month's *Journal*.

## Chapter Notes

Just prior to Paul Graveline heading off to the New England Patriots football game on Sept. 22nd he sent me a short note on Compuserve telling me that he was going to be sending along a report on the Boston Area DXer's (BAD Guys) September meeting. Here is what came a few days later.

"As the members of the Boston Area DXer's arrived for the regularly scheduled September meeting on the 20th, they didn't realize what a surprise they were about to get. In addition to the anticipated talk by well known veteran DXer Jerry Berg on Indonesian regional stations, we were to have two special and previously unannounced guests. It fell to me to inform the group that Vasily Strelnikov of the popular "Vasily's Weekend" program on Radio Moscow would be arriving shortly. He was to be accompanied by the Head of the English Language Section of Radio Netherlands and host of "Media Network", Jonathan Marks. Some of the members looked stunned.

"Following Jerry's Berg very interesting talk on Indonesia, Vasily and Jonathan responded to questions from the BAD Guys. I've summa-

## Calendar Of Events

- Oct 15** - N.E. Ohio SWLs. Cuyahoga County Library, 9089 Brecksville Rd., Brecksville, OH (Rt. 21, just South of Rt. 82). 7:00 PM. Mike Fanderys (216) 661-2443
- Oct 18** - Meeting of the Boston Area NASWA Chapter, GTE Labs, Waltham, Mass. Please contact Paul Graveline (508) 470-1971 for additional information.
- Oct 18** - Philadelphia Area NASWA Chapter. Meeting place to be determined. Contact Dan Cashin (215)446-7831
- Oct 26** - Washington DC Chapter meeting at EEB in Vienna, VA 1:00 PM. Contact Mike Stone (703)534-0342 or Sally Ward (703)960-4140

Members are invited to submit items to be included in this calendar to Bob Brown.

rized what I feel were the most important points covered in the Q and A session. Later there was time for individuals to talk on a one to one basis with our guests and about twenty of us retired to a restaurant for pizza following the meeting where we were able to engage in more discussions with Vasily and Jonathan.

"Probably the biggest news of the night was from Vasily that RM is cutting its language services back from 69 languages to only 6! Vasily wasn't sure just which languages would be retained, but Russian and English seem like sure bets.

"He'd been in the US for the last two months but was returning to Moscow in the near future and will most likely appear again on RM. At one point during the coup, he tendered

**Our Motto Is - "Unity and Friendship"**

his resignation by telephone but has apparently reconsidered based on the favorable outcome of the events. Vasily said that he always wanted to be a DJ even back in embassy school which he attended in Washington D.C. Other kids desired a foreign service post, he just wanted to be a DJ.

"He sees the private radio scene in the territory of the former USSR exploding. Anyone with a little knowledge of radio is trying to get on the air. In the past the people's hunger for news almost forced them to become DXers because of all the SW listening required just to hear an unbiased news.

"RM has a distinct sound because most of the studios have wood on the walls giving them that unique sound easily recognizable even with a marginal signal. Questioned about equipment availability, Vasily stated that after jamming stopped with the onset of Glasnost, it then became hard to get equipment. There was a paradox; before Glasnost you couldn't hear the stations but you could probably get a radio, now you can hear the station but can't get a radio! There has been little pirate radio in the USSR because the penalties are high as all electronic equipment would be confiscated by the authorities including your digital watch.

"Some highlights from Jonathan Marks answers included an announcement that there will be some changes to the Radio Netherlands

## ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave listening , DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Net Controls Bob Brown KW3F and Dave Kirby N8JQX host an always lively gang of DX monitors. (Best heard in the eastern half of NAM)

schedule in the spring. The Asia service will run for a three hour block. He also foresees the North American service moving to a combination of SW and taped programs prepared for organizations such as National Public Radio. RN is the third most prolific SW station in Western Europe. Jonathan considers it important to maintain a personal touch to the programming so RN includes the weather in the news and he feels that the book lists and special publications available through RN provide a special advantage in communicating with the listeners. In an individual conversation with me , he mentioned that the "Hilversum Answer Line" gets 30 calls a day. He added that you need discipline to handle that

## Welcome to the following new NASWA members -

Tim Bodin, Wayzata, MN  
Frank Briggs, New Port Richey, FL  
Ms. Jacqueline J. Call, Brooklyn, NY  
George Cattel, Lancaster, PA  
William P. Colombo, Davie, FL  
Daniel S. Crovo, Lexington, MA  
Rev. Gary L. Curl, Orland Park, IL  
Anthony R. Curtis, Walkersville, MD  
Glenn Cuthrell, Roanoke Rapids, NC  
Aldo M. Dekovich, Livonia, MI  
Richard Dickens, Hoffman Estates, IL  
James W. Garber, Angola, IN  
Jim Grimes, Wichita, KS  
John Hegg, Eugene, WA  
Frank Hoelscher, Wichita, KS  
J. Peter Ifft, Salina, PA  
Terry Johnson, Ft. Walton Beach, FL  
Kevin Kelly, Somerville, MA

Norman Kiel, Bronx, NY  
Dan King, San Jose, CA  
Michael T. Laird, Cameron, MO  
Paul T. Lannuter, New York, NY  
Bruce MacGibbon, Gresham, OR  
Mark T. Marini, Hudson, MA  
George R. Martin, Allen, TX  
John C. McColman, Chester, VA  
Daniel Pare, Attleboro, MA  
Greg Schiefelbein, FPO AE,  
Gary L. Stejskal, Cedar Rapids, IA  
Allen J. Stewart, Lanett, AL  
Stan Strebly, San Diego, CA  
Vincent A. Thomas, Tulsa, OK  
Patricia A. Tierman, Secane, PA  
David J. Trachtenberg, Burke, VA  
Robert A. Wallace, Diamond Springs, CA  
Richard P. Williams, Philadelphia, PA

many calls.

"Producing his very popular and well respected "Media Network" usually begins around noon on Wednesday and can last very late into the night. The biggest audiences and responses come when there is a world crisis like the Soviet coup. There are also seasonal peaks. Sometimes the later editions of the show are updated with rapidly occurring events. He also tries to maintain a balance between the traditional DX program and the communications magazine format. The name had to be changed from "DX Juke Box" to "Media Network" ten years ago because when he called a broadcasting executive, it took him 15 minutes to explain what a DX Juke Box was before he got the interview. Jonathan was leaving the next morning for the VOA in Washington and then on to Miami where his family was staying.

"As you might imagine, it was quite an evening for the BAD Guys who happened to attend that night. We had to explain to some first time members that all the meetings didn't

## Musings

**Rich D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610**

Well it's about time! For decades, the medium wave clubs have successfully carried "musing" columns in their bulletins. Often stimulating discussions pertaining to the hobby take place making the "musing" section a good place to chat about the hobby. It's good to see NASWA take a shot at this type of column. +++ Members may be interested to know that ANARC Interim Coordinator Sheldon Harvey has appointed me to be the ANARC Awards Coordinator. For those relatively new to the hobby, in years gone by ANARC issued awards in a number of categories. Currently I am asking ANARC Club Representatives to get their nominations to me for the following awards: "DXer of the Year" (this is a SWBC award), "Specialty Band DXer of the Year" (a medium wave, utility, TV, FM, etc. award), and "International DXer of the Year." Only ANARC Club Representatives can make a nomination. If memory serves me correctly, our own Mitch Sams was the last recipient of the "DXer of the Year" award! The winners will be announced at the Winter SWL Festival. +++ Most NASWAs know I am a QSL collector. Like other QSL collectors, the declining reply response rates can make follow up reception reports a time consuming process. I usually reserve time during the slow summer DX season to catch up with follow up reports. This year, due to a seemingly never ending list of activities, follow up reports didn't get done during the summer. As the new DX season unfolds, I find myself getting out those follow up reception report at the expense of time in front of the dials. Yuck! Biggest problem verifying areas for me at the moment are Brazil, Ecuador and Peru. Up until recently my returns from Brazil were fairly good, however lately responses are slowing down. Perhaps my follow up reports will generate some replies. Then again, perhaps my reports will only make the person at the station opening them wealthy because some fool gringo in Pennsylvania like to write letters with return postage included! What areas of the world are other NASWA members experiencing poor QSL rates from? +++ I had an opportunity to see and touch the new Drake R-8. I've also read a number of very favorable reports and some not too favorable reports. I would be interested in what purchasers of this radio have to say. Why not "muse" your thoughts to Bob for the *Journal*!

**Tom Whiteside, 11505 Oak View, Austin, TX 78759**

I recently had the opportunity to tour the transmitter site for KNLS while vacationing in Alaska. My wife and I were visiting the artist Norman Lowell's art gallery just south of Anchor Point. We noticed a sign on the obscure, dirt road leading to the gallery that indicated that this road also led to the KNLS transmitter site and decided to pay them a visit. We met the station's engineer, Tim Cook and his wife Peggy and they gave us a superb tour of the place. KNLS is a religious broadcaster focused primarily on broadcasting into the Soviet Union and with some emphasis on China as well. They use a 100KW

feature such high profile guests. Co-facilitator Tom Walsh and I would like to thank our BAD Guy regular Lou Josephs for arranging Vasily and Jonathan's surprise visit.

One final note concerning the Boston Area DXer's. They now sponsor the Boston Area SWL section on a computer BBS in Boston called "Tom's BBS" (617)698-8649.

I received a call from James Olsen of San Francisco, CA. James is very interested in coordinating a Bay Area SWL Chapter and would like to hear from others with like interest. James's amateur call is N6IFO and he would also like to get a West Coast SWL Net started. If you are interested, contact James at 5820 California St., Apt. 1, San Francisco, CA 94121 or (415)221-1976.

Thanks to those members that sent in musings to kick off the new musings section of NASWA Notes. I hope that we can hear from a lot of members in this forum. Your musing doesn't have to be long. A couple of sentences will do just fine.

Harris transmitter that drives a large curtain antenna that delivers an effective 1MW beam steered to the target area. They have done alot of work to automate the setup including computer control of the transmitter that automatically changes frequency and antenna parameters - impressive! All normal programming is delivered in tape format from studios in Tennessee but they can broadcast directly from the transmitter site when needed. They used direct broadcast immediately following the Tianamen Square tragedy to deliver words of sympathy for the Chinese people without waiting for tape delivery. Interestingly, later in the day after our visit, news broke of Gorbachev's "ill health" and it seems likely that the local studios may have been used in this period as well. These are very nice folks and they obviously enjoy visitors. If you get up to Alaska and make it past Anchor Point, you should stop by. All the guide books give direction to Norman Lowell's studio (on Norman Lowell Road) and this should get you there.

#### Jerry Berg, 38 Eastern Ave., Lexington, MA 02173

I like the idea of a musings section, and hope the members will support it. Informal chat makes NASWA a great club as well as a great source of information. +++ During the past few years, largely as a result of my CPRV activities, I have become active in a collateral branch of the radio hobby—the collection of early radio magazines and other radio station "paper," particularly things pertaining to SW, but early MW as well. Basically I'm interested in things dating from 1920 to 1955—magazines like Radio News, Shortwave Craft, All Wave Radio, Short Wave Radio, Radio Design, RADEX, as well as early WRTHs and things like old "radio logs and call books," radio maps, club bulletins, etc. This material is more available within the antique radio hobby and among general collectors and dealers in paper and ephemera than among active SW hobbyists, but if there are any NASWA members who have such items and would like to give them a new home, or who are just interested in the early days of SW, I hope they will contact me. We tend to think of the hobby as having started when WE entered it. In fact there's a whole world of hobby history out there that is fascinating but largely unknown. +++ Re Dan Unruh's question (September) about sending tapes to the U.S.S.R., I don't know what the postal regs are but I sent two taped rpts to Russia recently (Tbilisi, R. Russia) with no problems. They both got through. I haven't encountered any problems at the post office. You affix the usual green sticker indicating a tape is enclosed, and that's it—no other questions asked. +++ Here's something interesting: VOA Bethany is now verifying direct with their own card. It's a color photo of the xmtr site, with VOA logo and "Bethany Relay Station, Half a century of broadcasting to the world, 1942-1992" on the front, full-data veri statement, photo legend, address and signature on back. Send rpts to VOA Bethany Relay Station, P.O. Box 227, Mason, OH 45040, Attn: John Vodenik. I was one of several DXers who visited the stn recently with VOA's/NASWA's Dan Ferguson, and we found the staff to be a great bunch of guys and very friendly to DXers. They welcome reports and want to get their QSL around.

#### Scott Newman, Indianapolis, IN

Per your request for "Musings," I've thrown together a list of my deepest reflections on our hobby. As you can tell, most of these profound imponderables occur to me at about 4 in the morning, while listening to R. Tahiti and wondering how the heck they get out so well every day. I was a NASWA member during the decade of the '70s, and got back in recently, hence the nostalgic orientation of some of my "eternal questions."

#### Ten Eternal Questions For The SWL

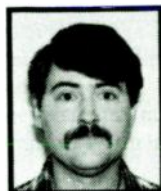
1. If you lived in downtown Sackville, Ontario, could you hear the Voice Of Free China over your toaster?
2. Where does R. Havana Cuba find English announcers with names like "Kelly" and "Biff"? Do they know that their theme music sounds like a Gillette commercial?
3. Why does WRNO broadcast Molly Hatchett, AC/DC, and ads for bars in New Orleans on the 19 meter band?
4. Is there something loose inside my DX-440, or does the lady on R. Tirana really talk like that?
5. If there is an upheaval in Albania, as in the rest of Eastern Europe, will people there be truely free? Will R. Tirana QSL regularly?
6. What would happen if I secured the other end of a "sloper" to my neighbor's dog?
7. Why can't low-powered stations all over the world shout their ID's over and over, every 3 or 4 minutes, like most stations in Latin America?
8. Why are NASWA Journal section editors always getting divorced and/or moving? Don't their wives/husbands understand them?
9. What's that nice sounding woman at WVVH really like?

And here's one for you old-time trivia buffs

10. Whatever happened to Monica Vallandingham, a/k/a "Monica Vall"?

# DXer's Forum

Kevin Atkins  
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Birmingham, AL 35201-0134  
Compuserve 71021,3212



Welcome to the October edition of the DXer's Forum. If you're in step with the season, you're probably concentrating on Papua New Guinea and Indonesia right about now, and hopefully preparing reception reports for a number of catches. You've probably already reserved space in the QSL album!

But consider for a moment the station personnel who will (you hope) take the time to answer your reports. Long-distance propagation is not necessarily reciprocal, and neither is the thrill that accompanies it; many domestic broadcasters couldn't care less if their signal is heard in the U.S. This no doubt accounts for some non-replies, but many stations continue to verify reception reports out of—believe it or not—courtesy.

The *Language Lab* series from Tiare Publications taught us to say 'Please' rather eloquently in a number of languages, but unfortunately, it didn't cover the corollary phrase 'Thank You' very well. In recognition of this fact, and in the hope of preserving that spirit of courtesy, Destinations editor Don Moore put together a DXer's 'Thank You Lab', designed to allow the DXer to write a proper thank-you note to a verified station in Spanish or Portuguese. Frequent Forum contributor John Bryant thought that was such a dandy idea, he undertook to put together a similar guide in the Indonesian language, which comprises this month's Forum.

A brief aside before we begin—my sincere thanks to all who've written expressing their concern over my recent change in marital status. And, my sincere apologies because I've been so busy being single, I haven't had time to answer your letters! Four months' worth of unanswered mail is going to take a while to go through, so if I owe you a letter—it's coming!

## Indonesian Thank-You Lab

*Many thanks for your help and friendship.*

Terima kasih banyak atas bantuan dan persahabatan anda.

*I want to express my thanks for answering my (letter/reception report).*

Saya mengucapkan banyak terima kasih atas jawaban (surat/laporan penerimaan) anda.

*It has been a pleasure to learn more about (your station\*).*

*\*Or substitute station name.*

Ini adalah suatu kebanggaan untuk mempelajari (radio pemancar) anda.

*(Today/Last week) I was pleased to receive (your letter/your station's verification).*

(Hara ini/Minggu lalu) saya sangat senang menerima (surat anda/kartu tanda penerimaan anda).

*Today I am very happy to have received your (letter/reception report).*

Hari ini saya sangat senang menerima balasan (surat/kartu bukti penerimaan) dari anda.

*I appreciate your friendship in replying to my letter so quickly.*

Saya menghargai persahabatan kita dan kesediaan anda membalas surat saya dalam waktu singkat.

*Thank you for signing and returning to me the prepared QSL card.*

Terima kasih atas kartu QSL yang sudah ditanda tangani dan dikembalikan pada saya.

*Your (QSL card/sticker) is one of the most beautiful that I have received.*

Selama ini saya tidak pernah menerima kartu sebagus kartu QSL anda.

*I didn't expect to receive (\*) also. What a nice surprise!*

*\*Fill with any item(s) from the appendix.*

Saya tidak menduga untuk menerima (\*). Suatu kejutan yang baik.

*(The pennant/The calendar) is very beautiful.*

(Panji/Kalender) ini bagus.

*(The sticker/postcard) is very beautiful.*

(Sticker/Kartu pos) ini sangat bagus.

*I have never (seen/received) such a beautiful pennant as yours.*

Saya tidak pernah (menerima/melihat) panji sebagus panji anda miliki.

*I have never seen a pennant as (pretty/large) as yours.*

Saya tidak pernah melihat panji (sebagus/sebesar) yang anda miliki.

*The pennant is fantastic!*

Panji ini luar biasa bagusnya.

*(The sticker/The music cassette) is fantastic!*

(Sticker/Cassette) ini luar biasa.

*I put the sticker on my car.*

Saya lekatkan sticker ini pada mobil saya.

*Your letter is very interesting.*

Surat anda sangat menarik.

*Your letter made me more aware of the difficulty of operating a radio station in your (country/region).*

Surat anda membuat saya lebih mengetahui kesulitan dalam menjalani tugas radio pemancar di (negara/daerah) anda.

*The technical details about your station were very interesting.*

Perincian teknik radio pemancar anda sangat mengesankan.

*I was very surprised to learn that your station only uses ( ) watts. It (seems/seemed) a lot stronger. Your technicians must work very hard to have such a good signal.*

Saya heran bahwa radio pemancar anda hanya memakai ( ) watt. Kelihatannya lebih besar dari pada itu. Teknisi anda tentu sudah bekerja keras untuk itu.

*I was especially interested in...*

Saya tertarik khususnya dalam...

*the technical details about your station.*

perincian mengenai radio pemancar anda.

*to learn about life in your city.*

untuk mempelajari kehidupan dikota anda.

*Your station is the first one that I have verified in (insert name of country, province, or city).*

Radio pemancar anda adalah yang pertama yang saya selidiki (country, etc.)



*I wish your station continued success in (doing God's work/spreading the word of God).*

Saya berharap bahwa radio pemancar anda sukses dalam pekerjaan pelayanan Tuhan.

**NOTE: Most of Indonesia is Muslim; this is for Christian situations only!**

*Please excuse me for not thanking you sooner. I have been very busy with my work, and I haven't had time to write you until today.*

Ma'af, kalau ucapan terima kasih saya terlambat, saya sangat sibuk dengan pekerjaan saya, dan belum ada waktu untuk membalas surat anda.

*I also liked the (\*) that you sent me.*

*\*Fill with any item(s) from appendix.*

Saya juga senang dengan (\*) yang anda kirim kepada saya.

*I put the (\*) on the wall by my (desk/receiver).*

*\*Fill with any item(s) from appendix.*

Saya menggantungkan (\*) pada dinding disamping (meja/radio) saya.

*Probably there are many times that your station doesn't receive thanks for its answers to (letters from overseas listeners/reception reports). I want to tell you that without a doubt we appreciate your efforts and friendship in answering us.*

Mungkin beberapa kali anda tidak menerima ucapan terima kasih atas (surat pendengar dari negara asing/laporan penerimaan). Saya ingin memberitahu penghargaan atas usaha dan persahabatan anda.

*I believe that many listeners don't thank you for the services that you do for us. I want you to know that we appreciate your efforts and friendship in writing us.*

Saya percaya bahwa pendengar radio tidak mengucapkan terima-kasih atas pelayanan saudara kepada kami disini, tapi saya menghargai atas usaha dan persahabatan anda menjangkau kami disini.

*I will continue to listen to (your station (or substitute station name)) whenever I can.*

Saya akan terus mengikuti (siaran radio anda), dimanapun saya berada.

*I really like your music.*

Saya sangat senang dengan musik anda.

*Your station's signals are still not very strong, but I have received (your station (or substitute station name)) several times since sending my reception report.*

Gelombang radio anda lemah, tapi saya sudah beberapa kali menerima (siaran radio anda) sejak saya mengirim laporan penerimaan.

*My friend, (name), of (location) tells me that he has also written you. If possible, I hope you can find an opportunity to answer his/her letter also.*

Temanku bernama (name), dari (location) memberitahukan saya, bahwa ia juga pernah menulis kepada anda. Kalau waktu mengijinkan, saya berharap anda bisa membalas suratnya.

*My friend, (name) of (location), is going to write you soon. I hope that you have the time to answer his/her letter too.*

Temanku bernama (name) dari (location) akan menulis kepada anda. Saya berharap anda punya waktu untuk beliau.

*(He/She) is a big fan of (the music of) your station.*

Dia adalah penggemar (musik) dari radio anda.

## APPENDIX

	SINGULAR	PLURAL
calendar	kalendar	kalendar-kalendar
pamphlet	pamflet (or) brosur	pamflet-pamflet
keychain	rantai kunci	rantai kunci-rantaikunci
pennant	panji	panji-panji
souvenir	tandamata	tandamata-tandamata
souvenir of your stn.	tandamata dari radio anda	tandamata-tandamata dari radio anda
cassette (of music)	kaset (musik)	kaset-kaset (musik)
record	catatan	catatan-catatan
QSL card	kartu pos QSL	kartu-kartu pos QSL
QSL letter	surat QSL	surat-surat QSL
postcard	kartupos	kartupos-kartupos
photo	foto	foto-foto
(of you)	(dari anda)	
(of your station)	(dari stasiun anda)	
(of your city)	(dari kota anda)	
sticker	sticker (or) gambar tempel	

### **Popular Communications Magazine said it best. . . .**

*"A hip, concise, astute, accurate and honest guide to what's going on, and how to get the most enjoyment from a receiver. Very highly recommended."*

### **. . . . or did John Bryant in the NASWA Journal?**

*"Those of you who are enjoying those first thrilling years of shortwave enjoyment—BUY THIS BOOK!"*

Take your pick. Both PopComm and John know what they're talking about! *Shortwave Listening Guidebook* (ISBN # 1-878707-02-7) by Harry Helms is the definitive guide to the shortwave listening hobby. In 320 professionally-printed pages, Harry covers SWLing from A to Z. Selecting a receiver, antennas and accessories, propagation, profiles of major stations, when and where to listen for DX, QSLs. . . . it's all here! It's a working tool you'll keep next to your shortwave radio. Only \$16.95 from leading SWL book and equipment dealers, or order direct from HighText Publications, 7128 Miramar #15, San Diego, CA, 92121. Add \$3.00 for shipping and handling to the U.S., \$4.00 to Canada, and \$5.00 for overseas airmail. California residents add sales tax.

## Building A Bonzo Baby Beverage

by: John Lyon

Kevin Atkins' article in the July, 1991, *NASWA Journal* on his experiences with 'short' beverage antennas got me to thinking about my upcoming vacation. Although I've been a ham for decades, I knew zilch about beverages, except that you needed to own a whole county to have room for one. But .... I had a reel of insulated wire that I'd bought at a hamfest, and that was a place to start.

The family summer cabin in northern Wisconsin is a lakefront lot that is narrow but deep. Far from level, the highest part of the property is probably 50 feet above the water level, with most half that high. Being in a national forest, trees are abundant in this hilly terrain. Not ideal for a beverage antenna, but few aspects of the hobby are as much fun as playing with antennas. This was a chance to experiment.

I called my antenna a Bonzo Baby Beverage, because I did absolutely everything wrong. Beverages are supposed to run in a straight line, be consistently about 3-10 feet off the ground, and be fed with a balun to match the high impedance of the antenna to the low impedance input of the receiver. Ah, contraire, me Bucko. Those parameters are ideal, but not completely necessary. I tied down the end of the wire, and started walking, unreeling wire as I scrambled up and down over the terrain. I would guess I walked out 230-250 feet of wire before reaching the property boundary. The wire snaked through the trees and brush (small maples make nice antenna supports), and even laying directly on the ground when crossing a private road.

While I didn't have a ferrite toroidal core to match the antenna to the receiver, I did have a good MFJ antenna tuner. It has a high

impedance (long or random wire) connection, so I thought that might work. I didn't use a separate lead-in from the antenna, but simply brought the end of the wire through the window sill and connected it to the tuner. I didn't terminate the antenna hoping it could be used for Africa off one end, and Asia off the other end. Total construction time, 20 minutes. Total cost, \$5.

My reference antenna at the summer cabin is a 60 meter dipole about 40 feet high (and probably 60 feet above the lake water table), fed with coax. It runs roughly east-west because of the narrowness of the lot. It's a good general purpose antenna on most all short wave bands. Books will tell you that dipoles are directional, but that is open to debate. At the height most of us hang our dipoles, combined with tress and other nearby obstructions, our antennas tend not to duplicate the, free space diagrams given in the texts.

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*The most important  
improvement was the  
increase in intelligibility of  
most received signals*

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For all practical purposes, our dipoles are unidirectional, receiving nearly as well off the ends as off the perpendicular. I was attracted to the sharp directionality of the beverage aim 'er at the target and trash the crud on frequency from other directions. As best I could determine, I ran my BBB east-west for Africa hoping to screen out the stations from South America that always seem to be so much stronger.

But a funny thing happened on the way to DX nirvana. Some of the beverage

characteristics were confirmed, and some were not. The most important improvement from the BBB was the increase in intelligibility of most received signals. As Kevin noted, the better signal-to-noise ratio means in practical terms that more of the received signal is actually understood. Reception is actually quieter, unless your wife is running the vacuum cleaner. The improvement was proportionally greater on weaker signals than on the strong, with down in the mud signals, the increased intelligibility ranged from noticeable to quite dramatic. On strong international ghetto blasters like BBC, there was virtually no audible difference. The enhancement also tended to be best on the most distant stations, possibly due to the angle at which the radio wave strikes the antenna.

After confirming that my haywire antenna wasn't really a short to ground, I started repeated bandscans, over several days, up through all the regular SWBC bands. Hundreds of direct A-B comparisons between the dipole and the beverage were made. Using Passport as a guide, I would guess well over fifty countries on all continents were heard and compared. It almost seemed like two antennas - one for the tropical bands, and one for the higher SWBC bands.

The much vaunted directional characteristics were far greater on the high frequencies than the low. At these frequencies, the antenna was probably long enough (in wavelengths) to operate as a true beverage. Particularly on the 13 and 16 meter bands, the directional characteristics were quite sharp. Stations on the axis of the beverage were frequently 10 db (roughly 3 S-units) stronger. By scanning geographically down through the European countries to North Africa and observing signal strength, it was clear that the antenna was aimed too far north. When a relative caught her foot on a

sagging part of the beverage, that gave me an incentive to relocate the antenna away from the 'people area' and more toward central Africa.

One pleasure of the antenna was scanning the 25 and 31 meter bands in the early morning and late afternoon, local time. It's amazing what one can hear in these 'off times' when the intelligibility is enhanced. The directionality is not as pronounced, but it is still there.

On the tropical bands, the enhanced intelligibility remained, but the directionality didn't. My hope that Latins would be screened out on 60 meters turned out to be illusory. The antenna just wasn't directional enough, and was probably acting more like a random long wire than a true beverage. But the antenna earned it's spurs on the 90 and 120 meter bands, everything was 3-5 S-units stronger on the beverage. Stations that weren't even a het on the dipole were marginally readable on the beverage, and marginal stations on the dipole were good to very good on the beverage. In an August sunrise PNG opening, I couldn't log them fast enough. That from a person who has only heard a few PNG stations since starting to seriously DX last season. Bring on the Indonesians.

The downside? The beverage just didn't work on the 19 meter band. All signals including WWV were 15 db less on the beverage. I suspect it was due to the length of the antenna on this particular frequency. Another disadvantage is having a human snare only 3 feet off the ground. Fortunately, a deer didn't get caught up in the infernal thing. My beverage was made of #24 solid wire, and it kinked when rewound. Heavier stranded wire would be much better. The whole point of antennas is to experiment, and I would rate this Baby Bonzo a best buy. Now if I could only figure out how to reel out the wire when the snow is up to my waist.

# Easy Listening

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## Mailbox

Just a couple days after the *September Journal* was mailed out, John Figliozzi of Clifton Park, NY phoned me with broadcast times of **Radio Canada International's Quirks and Quarks**, a program on scientific research. The following non-inclusive program schedule for Quirks and Quarks will apply to the end of October, when the USA and Canada fall back to Standard Time from Daylight Time: Saturdays 1608 - 9625 kHz (CBC Northern Quebec Service), 2108 (W. Europe) Sundays 0008 (USA service), 1805 (Africa service).

Shortwave listeners who tune in for program content will appreciate John's **Shortwave Radioguide**. Where Tom Sundstrom excels at frequency listings, John excels at listing program titles and synopses. John prepares the Shortwave Radioguide twice per year, in May and November, incorporating seasonal schedule changes. The Radioguide is available from the NASWA Company Store for \$10.50.

John doesn't dilute his efforts by keeping track of frequency changes; he advises users to avail themselves of resources such as Tom Sundstrom's accurate frequency schedules. I use the Radioguide frequently in preparing this column, and can enthusiastically recommend it to any listener looking for program content information.

Thanks also to Marianne Das of Philadelphia for her letter this month. Marianne thoughtfully included a copy of Radio Netherlands' new Listener Services Catalog with her letter - I hadn't yet requested a copy.

Ed Mayberry of Cedar Park, Texas also sent along a note accompanying a photocopy of a 25 August *London Times* full-page advertisement for the BBC World Service. The BBC proudly quotes Gorbachev's comments on hearing the BBC while under house arrest during last month's coup.

Robert Tucker of Savannah, Georgia checked in with a recommendation of **Radio Havana Cuba** at 1900 on 17705 kHz. This transmission is targeted to Europe, so the anti-American invective normally present in the 0000-0800

Americas broadcasts is toned down. Robert also suggests **Croatian Radio**, broadcasting to the Croatian American community via Indiana's **WHRI World Harvest Radio International** on 7315 kHz at 0033. This broadcast is in both Croatian and English. Recent subject matter included coverage of pro-Croatian rallies in Australia and Akron, Ohio. Does anyone know if WHRI donates this time, or does Croatian Radio have to buy time like most broadcasters using WHRI's facilities?

In addition to last month's Science and Technology's listings, NASWA Executive Director Bob Brown reports hearing the Voice of Free China's (VOFC's) Science and Technology feature **Horizons** one recent Monday at 2220 UTC. "The Benefits of Beer" - the title of the feature Bob heard - sounds like a feature I shouldn't have missed. Other times for Horizons: 0220 Fridays, 0320 Saturdays.

My travel schedule in September prohibited a compilation of your BBC World Service favorites; you'll see that summary in the November *Journal*. That means you still have time to send me a postcard or E-mail with your favorite BBC programs.

## Travel and Tourism

John Figliozzi forwarded the following from the **Shortwave Radioguide**:

**Radio Beijing: Travel Talk** - 0320, 0420 Sundays, 1220, 1420 Saturdays

**Radio New Zealand International: Destination Pacific**, 1935 Sundays through Thursdays; **Discover New Zealand**, 2135 Sundays through Thursdays, 0425 Mondays through Fridays.

**Swiss Radio International: Roundabout Switzerland**, 0207, 0407 4th Mondays

**Belgium Radio and Television (BRT): Tourism in Flanders**, 1318 Mondays, 1312 Saturdays

**Turkish Radio-Television (TRT): Another Spot in Turkey, 2220 Mondays, 0315 Tuesdays**

**Radio Romania International: Tourist News, 0230 Tuesdays**

**YLE Radio Finland: Out and About, 1145, 1245, 1345, 2315 UTC Fridays**

**Radio Yugoslavia: Travel and Tourist Information, 0025 every other Saturday and Sunday.**

All of the above, except Radio New Zealand International and Swiss Radio International, will probably shift one UTC hour forward at the end of September; Radio New Zealand International will likely shift one UTC hour back as of the end of September.

## Random Catches

**International Report on Radio Australia** has been previously highlighted in these pages as a high-quality current affairs program. A couple of recent weekend tune-ins have been particularly interesting. On weekends, the entire half hour of International Report is often devoted to a single theme. A recent Saturday edition had a panel discussion of Soviet news reporters and commentators discussing the future of the USSR and its republics. This group universally condemned the totalitarian structure of the past 75 years - with surprising candor - and recommended quick, decisive action to jump start the economy. Weekends at even hours (0200, 0400, 0600, ...)

**Radio Australia** also offers an inside look at Australian government in **Ring The Bells**, a program highlighting the past week's parliamentary debates. While the issues and terminology may be tough to follow without a working knowledge of Australian internal affairs, the contrasts to the USA's congressional debates are interesting nonetheless. Fridays at 0930 and Saturdays at 1230 should be easy North American catches. **Ring The Bells** is an example of an international broadcast of special interest to Australians abroad. The availability of domestic broadcasts from Radio Australia, Radio New Zealand International, and Radio Canada International provides an added dimension to their shortwave services that isn't readily available - and understandable - in countries where English is not the primary language.

**The World Business Report**, on the BBC World Service, provides a more comprehensive financial report than your typical local mediumwave station. While a local mediumwave business report includes market information from New York, London, and Tokyo, the World Business Report includes market data from Germany, Australia, and Singapore - to name a few. Mondays through Fridays at 0905, 1705, and 2305; Tuesdays through Saturdays at 0530.

## Deutsche Welle Coming Attractions

**Arts On The Air** looks at India's cultural heritage on October 27th; **Science and Technology** looks at Otto Lilienthal's 1891 human-powered flight accomplishments on October 19th/21st. While these programs are included by these names only in the African/Middle Eastern (1500 and 1900) and Asian (0200 and 2100) releases of Deutsche Welle's English Service, these reports are included in the **European Journal** 40-minute programs in the North American releases. In a future issue, I'll report on the days these programs are included in the North American releases.

## BBC World Service October Highlights

The BBC World Service now has sports service personnel on duty 24 hours per day; as a result, there are now five daily editions of **Sports Roundup**: 0315, 0945, 1245 (except Sundays), 1745, and 2250.

BBC now boasts of financial and business reporting 24 hours per day; this will result in more up-to-date reporting on Far East stock, currency, and commodity markets.

The aftermath of the Persian Gulf War, one year after the Iraqi invasion of Kuwait, is the subject of a new eight-part series beginning on 2nd October. Correspondents visit individuals and families who have had to alter their plans and lifestyles as a result of the hostilities. The trials of the Kurds and Palestinians are discussed. **After The War Was Over** airs Wednesdays beginning 2nd October: 0130, 0930, 1715.

Part travelogue and part history - **A Sight Worth Seeing** looks at some of Britain's most famous landmarks and the history of their time. Stratford, Bath, Edinburgh, and London are all on the itinerary. Sundays, beginning 20th October, 0230, 1615, with a Monday

repeat at 0730.

**1992 And The European Vision** is a repeated series chronicling the history of the "Common Market", now known as the European Community. This four-part series also investigates the challenges posed by the economic integration to be carried out in 1992. Fridays beginning 4th October, 0730, 1215, and 1930.

**My Word** returns for a twelve-part series exploring the history and usage of common English language words and phrases. Fascinating listening if you enjoy etymology. Sundays at 2030, repeated Mondays 1215 and Tuesdays 0230.

**Mediawatch** returns to investigate developments in media and communications technology. Mediawatch is somewhat similar to Radio Netherlands' Media Network in its investigation of new technologies such as digital FM and direct satellite broadcasting. Mediawatch differs from Media Network by stopping short of direct information on shortwave broadcasters and their programs. Mondays beginning October 14th at 2315, repeated Wednesdays at 0815 and 1515.

It is rare that I can interest my wife in shortwave listening in a regular way. She has little patience for signals that aren't as clear as a nearby FM outlet would be. However, one September feature I *know* I can interest her in is **Second Time Around**, a look at the highways and byways of the British antique business. Sotheby's and Christie's will be among the establishments profiled in this report. Sunday, October 13th at 0230 and 1615, repeated the next day at 0730.

By listening to broadcasters from foreign countries, many SWLers become reasonably versed at geographic knowledge. If you enjoy geography, tune into the newest quiz show on the World Service - **Where In The World?**, beginning Monday, October 28th at 1715, repeated Tuesday at 0030 and Wednesday at 0830. Michael Hollingworth, member of the Royal Geological Society, hosts the program. Guests come from the worlds of travel and show business. A lighthearted show is promised, as the guests will also be asked to share their more entertaining travel anecdotes.

## In Drama -

Joyce Cary's book **The Horse's Mouth** will be the three-part **Play of the Week** on Sunday, October 13th through the 27th, at

1201 and 1901. **The Horse's Mouth** looks at the aging career of painter Gulley Jimson as he overcomes life's challenges to paint the masterpiece of his dreams.

**Scenes From A Marriage** is a six-part series from Swedish writer and director Ingmar Bergman that looks at the unraveling of a couple's marriage. Bergman describes his couple as "nervous, happy, selfish, stupid, kind, wise, self-sacrificing, affectionate, angry, gentle, sentimental, insufferable, and lovable." This was originally presented by the World Service in 1989, and is repeated Thursdays, beginning on October 3rd, at 1130 and 1715; repeated Fridays at 0230.

## In Music -

**Jazz Now And Then** and **Folk In Britain** have historically shared a time slot; as of October, each now is a weekly program. **Folk In Britain** is perhaps the one World Service music program to feature native British music of the genre. Fridays at 0445, repeated Sundays at 2009, Tuesdays at 0130. Ian Anderson hosts. **Jazz Now and Then**, hosted by George Reid, looks at new album releases plus music and interviews with established musicians touring the UK. The program is spiced with word competitions and puzzles with a jazz theme. Saturdays at 0145, 0430, and 1001.

Eastern European folk music is featured on **Eastern Approaches**, a four-part series beginning Sunday, October 13th at 1401 and 2230, repeated Mondays at 0630 and 1001. Graham Fawcett looks at traditional music of Bulgaria, Romania, and Poland.

## In Sports -

The Rugby Union World Cup competition is the featured event in sports coverage for October. **Sportsworld**, **Sports Roundup**, and **Sports International** will all include coverage. **Sports International** includes "off-beat features" (according to **London Calling**) in addition to its staple of interviews, discussions, and live commentaries. **Sports International** airs on Wednesdays at 2220, and Thursdays at 0230 and 0630.

Until next month - 73 DE Richard

# Asian Destinations

**Mitch Sams**  
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Blue Springs, MO 64014



Even with the incredible events of the last year or so; the fall of the Berlin wall and democracy in Eastern Europe, I still would never have believed that the latest events could possibly occur. Can you believe that Radio Free Europe/Radio Liberty has been invited to open an office in Moscow; or that the head of the Soviet Union, Mikhail Gorbachev, would turn to RFE/RL, VOA and BBC on shortwave as his only reliable source of information during his darkest and most desparate hours? During the coup shortwave listeners once again had the opportunity to witness history unfolding over the airwaves.

The changing political situation in the Soviet Union has been reflected in the new face of shortwave broadcasting from the various republics. Earlier this year broadcasts in English were expanded or added from Estonia and Latvia, while the existing international services from Lithuania and the Ukraine developed a new honesty and openness in their content. Shortwave listeners were interested to find English from the Republic of Georgia. Can we now hope to see activity from Moldova (known until recently as Moldavia), Belorussia, Macedonia or Croatia?

## **SOVIET CENTRAL ASIA**

Much of the attention recently has been directed towards the Baltics and the European Soviet republics. Let's look ahead to the Central Asian Republics of Kazakhstan, Uzbekistan, Turkmenia, Tajikistan and Kyrgyzstan where the second phase of this revolution could take place.

**UZBEKISTAN** The only republic of this group with an English service, Radio Tashkent, which provides reliable reception into North America during the 1200-1230 UTC time slot. Recent loggings are on 15460, 9715 and 7325 at this time. This is a good outlet to monitor. Radio Tashkent's home service was heard last winter on 4850 kHz around 12-13 UTC. Some information about this republic: although rich in oil and minerals, Uzbekistan has suffered economically under the Soviet system. There are 21 million people living in this republic, 3/4 are Uzbeks while only 8 percent are Russian. This Mongol-Turkic land was subdued by the Bolshheviks in 1924.

**KAZAKHSTAN** The nomadic Kazakhs were absorbed by Russia in the 1800s and subjugated by the USSR in 1936. Population 17 million (40 percent Kazakhs; 38 percent Russian). This is the most powerful and influential of the central asian republics, with a large economic base and a large percentage of Soviet military might. Kazakhstan's president, Nursultan Nazarbayev, has played a prominent role in the post-coup reorganization. Unfortunately, Kazakhstan's presence on the shortwave bands is much less prominent. Home service programming from Alma Ata has been heard on 4545, 5970, 9780 and 11950 in the last year. At this point I should mention the Radio Moscow relay sites which are strewn throughout the republics, especially Kazakhstan. Exact locations for these services are difficult to pin down, but as Dan Ferguson pointed out in LN, these transmitters may be freed up for individual use by the republics.



**TURKMENIA** Bolshévik rule in this desert region was established in 1924. Population: 3.7 million (72 percent Turkmens, 9.5 percent Russian). Influence from Iran and Afghanistan across the border makes for a touchy situation in this republic. 4825 kHz is the home service outlet from Ashkhabad in Turkmen and Russian, and is quite possible in North America now that we are entering the fall season. Try around sunrise in North America.

**TAJIKISTAN** Ruled at different times by Afghanistan and Persia, the Tajiks were annexed by Moscow in 1929. Population: 5.4 million (Tajiks 62 percent, Russians 23 percent). Dushanbe is very likely during late fall, winter and early spring in North America on 4635 kHz around sunrise and at 0000 UTC sign-on.

**KYRGYZSTAN** After the revolution, the mountainous Muslim region fought an anti-Soviet guerrilla war before its absorption as a republic in 1936. Population: 4.4 million (Kyrgyz: 53 percent; Russians: 22 percent). The poorest of the central Asian republics. 4010 and 4050 kHz are the outlets from Frunze, Kyrgyzstan heard in the early mornings in North America in ~~RUSSTAN~~ or Kyrgyzian.

Although we have focused our attention on an area with very little international service on shortwave (besides the Radio Moscow relays) it is still interesting to monitor the pulse of that region by noting any changes in broadcasting activity. And one can always be on the look-out for new services from this area, especially if political changes become more drastic.

# Radio Tashkent

**TRIP REPORT - DXING IN FRANCE** I just returned from a business trip to Paris, Laval and Brest, France. After 17 years of DXing from North America it was a real experience to tune the bands from Europe, it was somewhat like starting the hobby all over again. I had a lot of fun with long and medium wave as well as shortwave. The strongest signal on medium wave, other than local French outlets, was by far Kvitsoy, Norway on 1314 kHz - a real powerhouse. 1593 Langenberg, Germany was also very strong. It was interesting to listen to Zadar, Croatia on 1134 which was on the air despite heavy fighting in the area. On shortwave VO Lebanon, 6550 and VO Hope, Lebanon 6280 were heard at around 2200. Pyongyang on 6560 at 2257 and Mali on 7185//4835 at 2140. I'll be in Cairo sometime in the next 4-5 months, maybe I'll finally log Bahrain.

**CLOSING COMMENTS** With all of the political change in the world recently it's getting increasingly difficult to find good old-fashioned communist propaganda on shortwave anymore. You know, we're down to just Radio Habana, Radio Pyongyang, VO Vietnam and a much milder Radio Beijing. Oh, and another thing, thanks to all of this change my QSL collection from Eastern Europe is outdated. Guess I'll have to re-OSL them all again. Well, time to close. Don't forget to check the tropical bands out in the morning, Asian conditions are improving down there. (Thanks to NEWSWEEK for the updated Soviet facts).

*Miki Sams*

# Listener's Classroom

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A letter just in from Ted Kintner as this column was being prepared for press. He wants to know about the reception quality at his location in Pennsylvania to do taping of programs. The only real way of knowing that is listening and logging over a lengthy period—hopefully over a couple of years. Until you get used to conditions in your area, you must be present at the receiver during recording. But, not every moment. Try to record other programs from a similar direction over a short time. This will give you an idea of what to do.

Ted also asks about those in NASWA using personal computers. He's curious about the logging software used and more. All of you who have computers and use them in the hobby, please drop a line to this column. Let me know whether you made the program, using shareware, or commercial quality. Much of Ted's letter will be shared over the next several issues.

## Verifications (cont'd)

There are two general methods of sending a reception report. One, and perhaps the most popular method, is the personal letter. This should be typed because of the many handwriting styles. If it cannot be typed, then neatly PRINTED. This letter will give all the major necessary information but also will interject a personal tone that is appreciated by many stations. The other method is the form letter in which you fill in the blanks. I use both. The form letter that I use on occasion is in four languages. It is your decision which type of report to send.

Remember, that above all the pervading thought behind any report must be an honest and genuine need to help the station in evaluating its listening audience. With this underlying tone, the report will be of more interest and help, and you will be more assured of a reply. Hard work always reaps rewards.

In the actual report, what ought to be included? The following should serve as an

outline.

1. Date, Time, and Frequency of Reception. The month should always be written out, never abbreviated by numerals. I write my dates like: 10-9/91, but my wife keeps telling me that people get confused when I do so. The effective method is 10 September 1991 where there is no confusion. The time should be stated in UTC (what we used to call GMT). Note that UTC should fall in the proper day (whether preceding or following your local date). The frequency should be given in kilohertz. I always add the meter band. This is because many countries rely on the metric system and may be used to identifying the frequency in that method. These three items are the first and most important to be reported at the beginning of a reception report. Without all this information, there is no way the station can check your report. Just a little bit more of a challenge to you is to add the station's LOCAL date and time, but double check your calculations.

2. Reception Data/Program Details. It is necessary to give a brief summary, next, of the program heard. This should include a notation of each item that you hear, plus the time in UTC. For example:

- 0100UTC -Station identification followed by chimes and the announcer saying(full station identification).
- 0101UTC -News headlines (mention about what/whom) read by man/woman (try to give the name!).
- 0109UTC -Headlines repeated.
- 0110UTC -Commentary on UFO's entering through the hole in the ozone layer and heading for their base at the North Pole.
- 0115UTC -Identification by female announcer (write what she said).

More next issue! 73

# Special Feature

To submit feature articles, contact  
**Dr. Harold Cones**, Editor-in-Chief  
2 Whits Court, Newport News, VA 23606

## Destination: Latin America

by: *Jerry Klinck*

For anyone who enjoys DXing the many stations located in Central and South America, which we refer to as "Latin America", being able to fully understand and fluently write Spanish is an advantage most of us only dream of. Couple this with the ability to travel to and wander about the region on a yearly basis, visiting many of the stations there personally and you have a DXer's dream come true, in NASWAN Frank Orcutt of Buffalo, NY.

Beginning in 1972, this "Civil War Groupie" has gone south of the border on an annual basis. While not always visiting radio stations, he does manage to soak up the atmosphere and the excitement of the turbulent political changes. Sometimes he drives down

and sometimes he flies but however he gets there Frank usually figures on living on about \$200.00 per month to sustain his wanderlust.

While he has visited nearly all of the Latin Countries and stopped by radio stations in many of them, it is ironic that most were during his hiatus from the hobby. In fact, Radio Educaci3n in Mexico City is the only station Frank has QSLed "on location" ah, but the stories he can tell...the sights he has seen. Introducing himself as a "Compadre Journalista", he has been greeted by everything from warm welcomes to bewildered amusement at his interest in the station, to just plain suspicion.

Some of the stations Frank recalls visiting, in addition to R. Educacion are: HRVC, Emmsora del Bolivia, R. El Espectador, Radio TV



Cultura, Radio Juticalpa and Radio Casino in Costa Rica. He has also visited stations in Argentina, Peru and Belize. In his travels, it has become painfully obvious to Frank why many of our reception reports don't get answered. It seems many Latins never get the chance to "squeeze the Charmin" so to speak. For instance, while answering nature's call at XERQ, he noticed a batch of reports stuck on a nail in the wall, obviously not intended as reading material. At Emmisora del Bolivia, reports appeared to have been randomly tossed into a "junk drawer" never again to see the light of day, or the naked bulb hanging above.

Frank's fascination with the Latin scene encompasses not only the radio stations and the curious political changes but a very real passion for the music, particularly Andean. His feeling is that it is some of the most beautiful in the world and, after listening to some myself, I'm inclined to agree.

Learning Spanish was accomplished in a

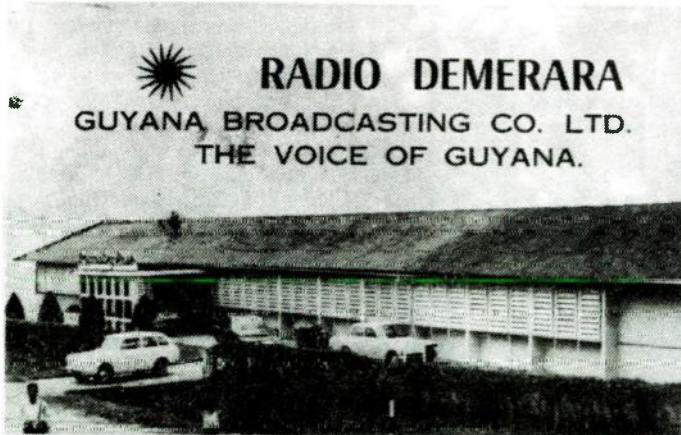
the stacks of reports as proof of the stations vast following or market, in hopes of a budget boost.

If you wish to receive a response from a Latin station, Frank advises the inclusion of local picture postcards. "They love postcards" says he, almost as much as they hate listeners apparent lack of appreciation for a QSL which may be quite a bother and not that individuals' responsibility to issue. A thank-you note for a QSL received can go a long way toward assisting a future DXer's report get a favorable response.

While DXers should never be pushy or demanding when requesting a QSL from anywhere, this is especially true in the Latin lands where formality, politeness and gratitude are a must.

As to the stations themselves, it is often impossible to identify the building housing same, save for the appearance of a dipole antenna not unlike the one you may be using.

These are often strung from the rooftop of the station to that of an adjoining building and it is not uncommon to see these antennae doing double-duty as they support strings of colored lights with splendid efficiency during festivals. It often takes a "radio Sherlock Holmes" to locate some of the small, low budget stations



rather unorthodox manner which is pleasantly typical of Frank. Not being one to waste time, he taught himself the basics out of a book, as he rode the bus to and from classes he was taking. The proficiency was polished in a "sink or swim" manner as he traveled the highways and byways of the Latin nations.

While some reception reports have met with a rather inglorious fate, as previously noted, Frank states that many of the stations value them as a wedge to use with their sponsors. Even as they wonder about DXers interest, they happily show the folks with the finances

but Frank will tell you it's well worth the effort.

Finally Frank warns that, if you are a female bumming a ride in La Paz Mexico, where locks are scarce and there is virtually no need for keys, you may be puzzled by your benefactors request for "keys"?... "Keese"?.. you know, the touching together of the lips?! And as he was dropping off some material for this feature, Frank mentioned the interesting reception of ELBC. They were telling people where they could and couldn't go to avoid being shot, etc. Enough to make a "Civil War Groupie" itch to go. What was that twinkle in his eyes?"

# NASWA Portraits

Jerry Klinck  
43 Lein Road  
West Seneca, NY 14224



As the air begins to fill with Autumn leaves and Autumn signals, I find myself starting to think about furnishing my newly constructed DX room. One thing I could use is a bit of input from you folks on, is any suppliers of world political maps, other than National Geographic and Rand McNally. I'm looking for a map larger than normal but not quite mural size. Help??(!)

This month we visit a NASWA neighbor of mine right over there in beautiful Rochester, NY, home of the Lilac Festival and Jay S. Golden . . .

"I've belonged to NASWA since '76 when I was unemployed and enjoying all the free time that comes with it. My first receiver was a Radio Shack SX-190, and I spent entire days and nights in front of that thing, accumulating many loggings in a very brief period of time. At the time, I lived in a Chicago lakefront high-rise with my long wire antenna on the roof, marvelously high above the ground but near the elevator switching mechanisms and thus fairly noisy. In time I met many of the Chicago members such as Karl Forth, Mike Nikolich, David Wolcott and I even bought Don Jensens' Rascal receiver before my wife and I moved to Rochester. I've always been fascinated by the technology of SWLing, especially antennas, and I have built a fair number of designs. Receivers have a more long lasting appeal to me, because you "play" receivers in a way that you don't antennas. However, I've owned many receivers, from the SX-190 to a Drake R7C, a Collins 51J4 and I now share a room with a Rascal RA17, a Collins 390A and a Drake R7A. We all have our toys and I guess those are mine."

"QSL hunting was my original motivation for SWLing, but like so many other things in life, ones' perspective changes and so did my lust for QSLs. I still work at increasing my QSL collection but not with the same vigor as with tropical band DXing. I always come back to that. My home is in the city of Rochester with all the QRM you'd expect. Despite that, I spend many long, enjoyable hours at my DX machines. My fantasy is to someday have enough rural space to erect a T2FD and a conical monopole, all-band antennas I've studied with great

fascination. These days, however, I use 85' of wire above my house and a 90 meter inverted V sloper which is marvelous in the interminable Rochester winter when Africans are more easily copied. And, like most DXers, winter is when I spend the most time on the hobby."

"In years past, my wife and I traveled more than since our son was born -- nothing unusual about that. Our travels took us to R. Andorra, R. Citadelle (Haiti), 4VEH, La Voz de la Libertad (Dom. Rep.), R. Grenada and a few others less unusual. What I remember most about the visits was my hosts bewilderment at why I bother to listen to their station from so far away." [This seems to be the universal observation of radio station visitors, especially in Latin America - ed.]

"In the fifteen years since I contracted the SWL disease, many changes have occurred - the slow withdrawal of broadcasters from the policy of QSLing, the increasing automation of receivers, etc. These changes seem to have made SWLing a bit less challenging. That's regrettable. But what hasn't changed, fortunately is the enjoyment derived from reading, month after month, what other DXers have listened to and is worthy of acknowledgement. SWLing also creates interesting conversation, although by now I must admit to being annoyed by those who still want to know why I don't want to 'talk to' the people I am content to listen to. The new 'no-code' ham license just does not do a thing for me."

"My goals for the future are to succeed in wrenching a long-awaited QSL from RTT in Tunisia, RTVM in Morocco and those two unusual stations in Turkey. I'd also like to have the opportunity (and time) to meet the other NASWA members in and around Rochester."

Thanks for the nice story, Jay. Our main interests in Dxing seem to be quite similar. We'll be contacting you and others about possibly starting a Western New York Chapter this winter.

How about YOU? If you haven't yet done so, how about penning a few lines about yourself and, if possible a shack or other photo along with it and send it to me soon.

73's



## The Capacity to Learn (part III)

Last month we concluded with a study of inductors, and I gave just the slightest introduction to tuned circuits. If, at this point, someone were to ask "What's the big deal about something as esoteric as tuned circuits?" I would have to answer "Our hobby!" Because indeed, our very hobby - as well as other minor related fields (worldwide radio communications, television, etc.) operate only because of tuned circuits.

### Some Background

In the early days of broadcasting, transmitters were little more than mass energy emitters. Often simply AC generators ("alternators") connected to an antenna, these transmitters used a spark gap to modulate their signals. They had little or no limitations on their operating frequencies, so, in effect, they put out a signal that went from "DC to daylight." While more and more effort was put into increasing their power output, it was fortunate in a way that they remained so limited. Their signals were not tuned, as previously mentioned, and there was no practical way to tune a receiver, either. If the signal from more than one transmitter could be heard at your location, you could forget it. You simply could not distinguish multiple signals from each other.

Imagine the chaos that would occur if all the AM broadcast stations in your area overlapped each other!

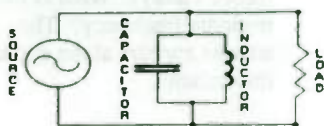
### Enter the Tuned Circuit

Through the research of pioneers like Nikola Tesla (forget the rest, folks...) circuits were devised that would allow very selective tuning of signals, both during transmission and reception. Long, precise experiments gleaned so much information about the behavior of these circuits, that before the beginning of the 20th century Tesla had demonstrated a four-channel radio-controlled submarine - that functioned without vacuum tubes or transistors! An interesting effect of this new ability to tune was that we shifted from specifying radio signals by the broad *wavelength* category to listing them by *frequency*.

### The Essence

Though there are many variations of the tuned circuit, we will start by examining the basics.

The schematic for a basic *parallel* tuned circuit is shown in the following figure:



**Parallel Tuned Circuit**

The circuit is called "parallel" because the two main components, the capacitor and inductor, are in parallel. The "source" can be any signal coming into the circuit, and the "load" can be any signal going out of the circuit.

Let's examine how this circuit behaves. The parallel tuned circuit will appear as a short circuit to the source and output at all frequencies except one - the resonant frequency. This frequency depends upon the actual values of the capacitor and inductor, and is given by the following formula:

$$f = \frac{1}{2\pi\sqrt{LC}}$$

"f" is the resonant frequency of the circuit; "L" is the value of the inductor in Henries, and "C" is the value of the capacitor in Farads. But what is the resonant frequency?

As previously mentioned, the circuit will act as a short circuit to all frequencies except one - the resonant frequency. At the resonant frequency, the capacitor and inductor interact, with the result that the circuit behaves as though it were an open circuit!

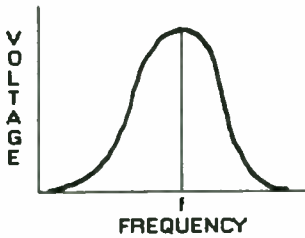
At this frequency, and this frequency alone, signals go right past the parallel circuit as though it wasn't even there.

## How?

At the resonant frequency, the rate at which the capacitor charges and discharges exactly equals the rate at which the inductor charges and discharges. An endless loop occurs: first, the capacitor charges, then it discharges into the inductor. Then, the inductor discharges, recharging the capacitor. The same energy recirculates inside the parallel circuit for a long time. If the parts were perfect, the same energy that started the cycle going would circulate forever. But no component is perfect, and there is some resistance in the capacitor and inductor. This means that eventually the energy would leak off in the form of heat (the way any resistance dissipates energy). But every time the circuit uses up some energy, it accepts a little more from the signal source. By the way, it's a good thing that nothing is perfectly resonant, because, as Tesla demonstrated, a perfectly resonant circuit can absorb so much energy at its resonant frequency that it will destroy itself! This could include circuitry, buildings, or even the earth itself. But I digress...

Does the circuit really pass only one single frequency? Of course not. It would have to be a perfect circuit, and as I already stated, every circuit has some resistance.

Look at the following typical figure:



Response Curve for Parallel Resonant Circuit

For a perfect tuned circuit, the voltage level at the resonant frequency "f" would be the straight vertical line shown above. At all other frequencies, the voltage would be zero. But component imperfections lead to a "spreading" or "sloping" of frequency response, resulting in some type of bell-shaped curve. The steepness of this curve (which relates to how narrow or selective the circuit is) is referred to as the *slope*. Some slope is often desirable. If we are tuning a 6 kHz wide broadcast station, we want to pass all the frequencies within this range. If we only passed a single, narrow frequency, we wouldn't be able to hear anything. How do we tailor this slope? We can intentionally add resistance. The exact amount can be calculated, but this gets rather complex, so I will defer this subject to the many excellent books already available on the subject.

### Some Examples

Let's do two examples to see if you are clear on how to use the resonant frequency formula.

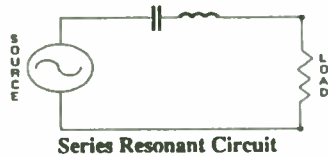
Example 1: we have a parallel resonant circuit with a 100 mfd. capacitor (0.0001 Farad) and a 2 mH inductor (0.002 Henry). What is the resonant frequency? The answer appears at the end of this column.

Example 2: we have changed the inductor to a 100 uH inductor (0.0001 Henry). What is the new resonant frequency? Again, the answer is at the end of this column.

The parallel resonant circuit can be said to be an infinite open circuit at resonance, and a dead short off-resonance.

### Series Resonant

A curious phenomenon occurs when you rearrange the parallel resonant circuit into the following:



This circuit behaves exactly the *opposite* of the parallel resonant circuit shown earlier.

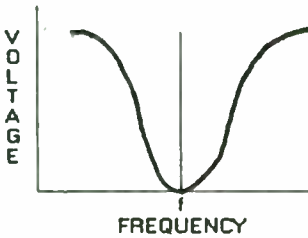
In the series resonant circuit all frequencies *except* the resonant frequency are allowed to pass. The resonant frequency is stopped dead in its tracks. So a series resonant circuit can be said to act as a short circuit for all frequencies except the resonant frequency, and as an open circuit for the resonant frequency.

How do you calculate the resonant frequency for a series



resonant circuit? You use the same formula as for the parallel resonant circuit. That's right, the two circuits behave the opposite of each other, but their resonant frequencies are calculated the same way!

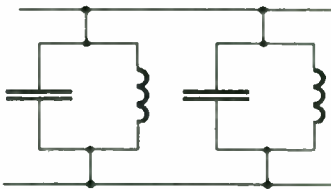
What does the response curve look like for a series resonant circuit? Remember, the series resonant acts just the opposite of a parallel resonant circuit, so the curve is the opposite, too:



Response Curve for Series Resonant Circuit

### Combination Circuits

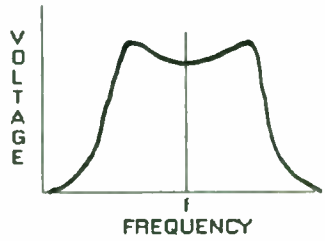
There is, of course, no law that says you can only use one type of resonant circuit or another. In fact, both types of circuits are often strung together to tailor a particular response curve.



Bandpass Filter

Two or more resonant filters can be combined as shown above to form a "bandpass filter." In the above example, one filter would be designed to resonate at the lower edge of the band; the other at the upper end. The result

would be approximately that shown below:



Bandpass Filter Response Curve

This filter combination will allow a range or "band" of frequencies pass, and reject all others. More complicated versions of this very circuit are in every shortwave receiver from the cheapest to the most expensive.

### Next Month

Next month we will take a closer look at how series and parallel resonant circuits can be combined, and I will present instructions for constructing one or two circuits to enhance your shortwave listening.

### Answers

For those of you who took the time to work out the two answer problems, congratulations! The answer to Example 1 is 355.89 hz. The answer to Example 2 is 1591.59 hz. Your answers may have varied slightly depending on accuracy of the value of  $\pi$  you used.

Until next month then,

73 - Ted

# Company Store

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



Welcome to the Company Store. Who was that mysterious man doing last month's column under my Awards Page masthead?

The holiday season is rapidly approaching. It's time to purchase something for your favorite hobbyist - yourself!

## SPECIAL 25TH ANNIVERSARY MUG

Our new mug is still available. However, I suggest ordering before supplies disappear. We don't want anybody to be disappointed! NASWA's special 25th anniversary edition mug is available for only US\$8.00 in the USA; US\$9.00 to Canada; US\$12.00 to Europe and US\$18.00 to Australia. This 11 ounce beauty commemorates the club's 25 years of exclusive coverage of the shortwave bands. The original John Herkimer design features a NASWA Royal Blue emblem over an Ivory background. The mugs are in stock and moving fast. Order yours today.

## AUGUST 1966 FRENDX

Reproductions of the August 1966 issue of "Frendx - the Journal for SWBCers" are still in stock. This special edition was the first all shortwave broadcast bulletin marking the beginning of a new era for the hobby. It is copied from an original Frendx bulletin. Due to the aging of the original, the copy will be a little uneven in spots. However, the full flavor of what the club looked like when making the big switch is there. This was before the era of tiny offset booklets (watch it D'Angelo...). August 1966 was during the "mimeo era" of hobby club publications featuring full sized 8 1/2 x 11 inch paper. Many of the glorious names of NASWA's past are still part of today's NASWA. Reading this special reproduction gives the reader a special sense of the club's long, rich hobby tradition. Editors and contributors include Bill Eddings, Don Jensen, Bill Sparks, Gregg Calkin, Dan Henderson, Marlin Field, Victor Jaar, Del Hirst, Richard Wood, Gerry Dexter, August Balbi, Jim Howard, Cesar Objio, Ron Luyster, George Zeller, and Charlie Loudenboomer! This 40 page look back at this historic event is available through the Company Store for US\$6.00 in North America and US\$8.00 worldwide. This is a limited time offer, so please hurry. Enjoy a slice of shortwave history!

## THE NASWA CLOTHING LINE

Here's a complete rundown of the best hobby clothing around:

- T Shirt (S, M, L and XL) - US\$12.00
- Sweatshirt (S, M, L and XL) - US\$21.00
- Poplin Cap with Leather Strap - US\$8.50
- Nylon Windbreaker Jacket with Lining (S, M, L and XL) - US\$26.00

Each garment is available in extra, extra large (XXL) for an additional charge: the T Shirt for US\$1.00; the Sweatshirt for US\$3.00; and the Nylon Windbreaker Jacket with Lining for US\$4.00. The Lined Windbreaker Jacket is also available in XXXL and XXXXL for the same additional US\$4.00 charge.

The Company Store can pass along a US\$1.50 savings per garment on multiple orders. For example, if you order a T Shirt and Sweatshirt which normally costs US\$33.00, if purchased individually, you can now purchase those items together for only US\$31.50. If you order the entire clothing line, in the standard sizes of S through XL, the total tab comes to the same US\$63.00 with 1991's prices as it did with 1989's prices. Orders to metropolitan areas in Canada still require an additional US\$4.00 per order for shipping.

Still have some money leftover to spend. Follow me to page two for some more spending ideas!

The grand opening of the Company Store featured some very helpful items contributed by Fine Tuning. These items have been extremely popular since first introduced in January 1989. Here is a brief rundown of some of the best hobby tools which are available only through your Company Store:

#### The Spectrum Log - International Broadcast Band Edition

This expanded version of the original Log was developed by Rowland Archer using Ventura Publisher and a personal computer. The International Broadcast Edition covers the 49, 41, 31, 25, 21, 19, 16, 13 and 11 meter international broadcasting bands. The Log is 41 pages and costs US\$6.00 plus US\$1.00 shipping.

#### The Spectrum Log - Tropical Band Edition

This older sibling to the International Broadcast Band Edition is the original version created by John H. Bryant with updated graphics courtesy of Rowland Archer. The Log covers 120, 90, 75 and 60 meter tropical broadcasting bands. This version of the Log costs only US\$2.50 plus US\$1.00 shipping.

The sheets included in The Spectrum Log are intended to be master originals which the user may photocopy for personal use. For those hobbyists ordering both editions at one time, we have a special offer. Order The Spectrum Log - International Broadcast Band Edition and the Tropical Band Edition for only US\$7.50 plus US\$1.00 shipping. The NASWA/Fine Tuning Spectrum Logs were contributed to the Company Store by Rowland and John.

#### The Propagation Predictor

The NASWA/Fine Tuning Propagation Predictor is designed to help listeners follow propagation trends. It consists of two master 11" x 17" originals to be photocopied. The two page Predictor divides the calendar year into 27 day segments for tracking recurring solar patterns. A highly efficient method for keeping tabs on those WWV propagation announcements at 18 minutes past the hour.

#### The System

Consisting of four 8 1/2" x 11" originals for photocopying, The System was designed to provide high quality masters to help shortwave listeners track their hobby related information. It consists of four separate one page forms - a Reception Report - QSL Log, a Log Book, a QSL Reports, and a Program Notes form.

The Propagation Predictor and The System are priced to sell at only US\$2.00 each. You can order either item for only US\$1.00 each when placing an order for any other NASWA Company Store item.

### FINE TUNING

Newcomers occasionally ask me "what is Fine Tuning?" If waiting another 30 days for the latest in DX news is too long a wait for you, then check out the world's premier hot DX news source. Fine Tuning issues a weekly newsletter during the DX season with a biweekly schedule maintained during the North American summer. If you are prowling the DX bands, it is difficult to comprehend not having this valuable source of DX news. It is the perfect complement to the Journal. Samples of Fine Tuning are available for a Self Addressed, Stamped Envelope (SASE) from Mitch Sams, 779 Galilea Ct., Blue Springs, MO 64014 USA. A subscription costs only US\$0.65 per issue in the USA; US\$0.70 per issue in Canada; and US\$0.80 per issue overseas via airmail with a 30 issue minimum. Check out FT for the latest in hot, fast breaking DX news!

### NEW REPRINTS SERVICE DISTRIBUTION MANAGER

Thanks to the many, many members that volunteered to help the club. Your offers of assistance were gratefully received. Our new Reprint Service Distribution Manager is:

Fred S. Kohlbrenner  
2641 South Shields Street  
Philadelphia, PA 19142

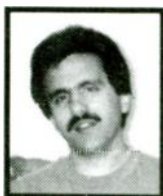
Fred is open for business. All orders from the club's Reprint Service Catalog should go directly to him. Continue to make checks payable to NASWA or me (I just love seeing my name on checks! That's the fun part of this job!). Special thanks to our esteemed publisher, Bill Oliver, for catching up on the back log of orders. The club's Second Edition of the Reprint Service Catalog is available for only US\$1.00 worldwide from the Company Store address.

73 - RAD

Make checks payable to either Richard D'Angelo or The NASWA Company Store

# NASWA Awards

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



All American DXer (15 Different Licensed Shortwave Broadcast Stations in the United States, Including Alaska and Hawaii)

Anthony Scott Helm, Kansas City, KS

Richard A. D'Angelo, Wyomissing, PA

Australian DXer (7 Different Shortwave Broadcast Transmitter Sites in Australia)

Cris Hazzard, New Hope, PA

Ecclesiastic DXer (15 Religious Oriented Shortwave Broadcast Radio Stations)

Randy Doyle, Winslow, AR

North American Continental DXer (15 Different North American Radio Countries)

Gregory A. Hart, Live Oak, FL

Pirate DXer (10 Unlicensed Hobby Pirate Shortwave Broadcast Stations)

Gregory A. Hart, Live Oak, FL

Richard A. D'Angelo, Wyomissing, PA

William Schmitz, Washington, DC

Senior European DXer (25 Different European Broadcast Radio Countries)

Paul D. Blumstein, Palos Verdes, CA

Randy Doyle, Winslow, AR

William Peake, Buffalo Center, IA

Senior Time Station DXer (10 Different Time Stations, 1 from Each Continent)

David J. Turnick, Sinking Spring, PA

Awards Tidbits

A big welcome to Awards Program newcomer William Schmitz. Thanks go out to Paul Blumstein for sending me a copy of his interesting "Impression of the Drake R8 Receiver." Drake has really created some excitement in the communications receiver marketplace with this entry! Randy Doyle does live in Arkansas despite my many attempts to move him to Alaska. Apparently the VOA thinks Arizona is a good location for him. Randy, have you thought about moving? Greg Hart has begun pumping out those reception reports in order to make proper use of his mailbox in the future. Scott Helm is getting close to the Round The Clock Continental DXer award. After trying every trick in the book, Bill Peake reports QSL's from Albania and Yugoslavia. Doublemint gum works every time, hi! Dave Turnick begged his way to a ZSC QSL and another award. He also claims he will actually turn on the radio this season, amazing!

Who reviews and issues my awards? Well... me, of course! Why do you think I took this job??? No, actually long time Awards Chairman and now Chairman Emeritus John "Kap" Kapinos keeps my applications in line. Kap recently was deluged with a pile of award applications from me. I will be sneaking them into the column as space permits. Thanks Kap! Incidentally, Kap, Jerry Berg, Gerry Dexter, Kris Field and John Herkimer have agreed to serve on the NASWA Awards Committee which will periodically meet to discuss new awards for the program. If you have an idea why not sent it to me for consideration. Thanks!

World Wide DXer Award

This award is the first major milestone for country counters. Every Master DX Centurion (200 countries verified!!!) started here. The World Wide DXer Award requires verification of at least one shortwave broadcast station in each of 50 different broadcast countries. With a reasonable amount of activity, this award can be earned in less than a year.

Remember, each award costs only US\$2.00 in North America and US\$3.00 overseas (additional overseas awards applied for at the same time cost only US\$2.00 each). Endorsement stickers are available for US\$0.50. International Reply Coupons (IRC's) at a rate of US\$0.50 are also acceptable.

73 - RAD

NASWA Awards Program: Have you sent in an application lately?

# the page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

JERRY BERG, Chairperson • 38 Eastern Ave. • Lexington, MA 02173 • (617) 861-8481

THE INTER-NATION STATION

## WLWO

CINCINNATI, OHIO, U.S.A.

AN INTERNATIONAL SERVICE OF  
WLW—THE NATION'S STATION

October 30, 1941

Mr. Arthur M. Hankins  
1008 Ligonier Street  
Latrobe  
Pennsylvania

Dear Mr. Hankins:

This will verify your reception of WLWO  
on September 29, 1941, from 1:26 to 1:22  
PM EST on 15,250 kilocycles.

Thank you very much for your report.

Very truly yours,

*Ernest Patterson*  
Ernest Patterson  
Program Director

WLWO started out in 1924 as WBXAL, Harrison, Ohio, simulcasting Crosley's famous "national" BCB station, WLW, on 6000 kHz. Both xmtrs moved to Mason in 1928, with the SW power increasing from 250 watts to eventually 75 kw. Toward the late 30's it became a well programmed SWBcr to Latin America, transmitting 21 hours daily. Along with all other U.S. SWBcrs, it exchanged its "X" call for permanent call letters in 1939. The government took control in 1942, and eventually WLWO became part of the VOA. +++ W9XAA was created around 1930 because the chief engineer at WCFL, Maynard Marquardt, was interested in short wave, and he liked to get letters from far away places. . . Programming over W9XAA was almost completely a simulcast of WCFL, but . . . about once a month a short wave club would use W9XAA to broadcast to other countries. This was an all night affair which sometimes included music from a portable organ the club brought with them. In [the W9XAA engineer's] words, W9XAA as a 'lot of fun' to operate." (M. K. Sidel, Ph.D. dissertation). The top veri at left is from the SW outlet, the bottom one from WCFL MW. Those SW frequencies were 6080, 11830 and 17780, and the imprint under the "WCFL" says "5000 watts, 490 foot vertical radiator." +++ See you next month.

THE SHORT WAVE VOICE OF LABOR AND FARMER™

This confirms your having received us February 14th, 1936

# W9XAA

Use transmitter in 200 watt, crystal controlled, 100% modulation.  
Thank you for your report and please write again.

E. H. NOCKELS,  
Sec. and Gen. Mgr.  
475 PINE AND 475 W. 3RD  
666 LAKE SHORE DRIVE, CHICAGO, ILL.

MAYNARD MARQUARDT,  
Technical Supervisor  
TRANS-MITTRE  
DOWNS GROVE, ILL.

"THE VOICE OF LABOR"

This confirms your having received us

# WCFL

The home of W9XAA—"The International Voice of Labor"  
6080, 11830 and 17780 Kcs.

E. H. NOCKELS  
General Manager  
Studios: 666 Lake Shore Drive, Chicago

MAYNARD MARQUARDT  
Technical Supervisor  
Transmitter: Downs Grove, Ill.

A Committee of the Association of North American Radio Clubs

# Listener's Notebook

Dan Ferguson  
P.O. Box 2604  
Dale City, VA 22193  
CompuServe 76702,771

**COPYRIGHT NOTICE** - Items credited to WBI (World Broadcasting Information) are copyright by the BBC Monitoring Service and may not be reproduced without BBCMS permission.

All times, dates, and days of the week are GMT (UTC), dates are MM/DD or MM/DD/YY.

**ALASKA** - *KNLS*, Anchor Point, will have only one English broadcast after 9/29, at 1300 on 7355 kHz. (Nicholas Peter Adams, NJ, on DXPL 8/31 via Mike Fern)

**AFGHANISTAN** - (*Clandestine*) *Voice of Unity* schedule is 0120-0225 on 12230, 15685, 17540; 1200-1255 on 12230, 15100, 15685; 1515-1610 on 12230, 15685, 17540. (WBI 9/13)

**ARGENTINA** - *R. Nacional* on 15345.2, heard on new late sked, from 0300 SS sports & mx to 0400\*; good signal 9/14, //11710.1 closed earlier at 0330\*. (Ernie Behr, Kenora, Ontario)

*R. Malargue*, Malargue, has reactivated its SW transmitter on 6160.7 kHz; heard from 1045-1118 in SS. (Gabriel Ivan Barrera in Fine Tuning on RK Shortwave Feedback 9/15 via Mike Fern) [WRTH 91 says 1100-2200; the name is pronounced Ma Lar Goo Eh.--mf]

**ARMENIA** - *R. Yerevan's* published summer sked is (or was - df) as follows:

For Armenian communities in the Near and Middle East, 1630-1730 and 1830-2001 on 4810, 6065, 12065 and 15130 kHz.

For Armenian communities in Europe, 0900-1000 on 17680, 15510, and 9775 kHz; Sun 0800-0900, 17680, 17625, and 15510 kHz.

For Armenian communities in North America, 0230-0300 on 15455, 15180, 13645, 11790 kHz. (Only 11790 kHz. heard in Quito, but with very strong signals.) Armenian from 0230-0252, last seven minutes in EE.

For Armenian communities in Latin America, 2300-0000 on 17665, 12050, and 11920 kHz.

AA to Middle East, 1730-1830 on 4810, 6065, 12065 and 15130 kHz. Kurdish to Middle East, 0300-0430 on 4810, 6065, 12065 and 15130 kHz. (Direct to DXPL 9/7 via Mike Fern)

*R. Yerevan Home Service* schedule: 0200-2200 on 4040 kHz, 15 kw; 0200-1300 and 1300-2000, 4810 kHz, 50 kw, seasonal; 4990 kHz, 120 kw, heard in North America and Ecuador around 0300 with home service programs. (Tropical Band Survey and RMV on DXPL 9/7 via Mike Fern) [WRTH 91 says 4990 used for Middle Eastern service last winter 1630-2100.--mf]

The new national anthem, "Our Motherland", was in wide use during the summer. Sign-on music is from the "Gayne" ballet by Khachaturian. Mailing address is: R. Yerevan, 5 Mravian St., Yerevan 375 025. (Rafael Abelian, R. Yerevan, and RMV/LMV on DXPL 9/7 via Mike Fern)

**BAHRAIN** - *R. Bahrain* is on a regular sked from 1700-2110 in English on 6010 kHz; good signals in Central India. (Kanwarjit Sandhu, India, on RNMN 9/12 via Mike Fern)

**BALTIC REPUBLICS** - The Baltic states took action after the coup failed to close down separatist radio stations (Radio Nadezhda, etc.) operated by local Communists or their fronts. Soviet troops pulled out of the Vilnius radio-TV center and Kaunas studios which they had held for three days about 8/22. Soviet pressure was taken off Estonian and Latvian radio and TV centers as well. (Richard Measham, BBCM, on RNMN 8/29 via Mike Fern)

**BRAZIL** - *Radio Araguaia* rptd by Bil Flynn in Sept LR. I have only heard *R. Anhanguera* on 11830 since 1989; very strong 7/4 till 0202\*, //6080. (Ernie Behr, Kenora, Ontario)

*R. Integracao*, Cruzeiro do Sul, 4765 kHz at 2310 in PP; 45 minutes of uninterrupted ballads, then ID for AM and SW. Used to be *R. Nacional*. (KMH/QLB/DXPL 9/7 via Mike Fern)

*R. Verdes Florestas* (tent), Cruzeiro do Sul, 4865.4 kHz at 0030 in PP; 15-min alternating talks, woman, man, woman, and no ID. (KMH/QLB/ DXPL 9/7 via Mike Fern)

*R. Cancao Nova* operates 24 hr sked on 1020, 4825, 6105, 9675 kHz; all 10 kw except 6105, which is 5 kw. Station operated by the Catholic Church, serving the diocese of Lorena in Sao Paulo. Carries *A Voz do Brasil* 2200-2300 Mo-Fr, *Projeto Minerva* (voa Radio MEC) 2300-2330 Mo-Fr, 1600-1615 Sa & 2230-2330 Su. (QSL rec'd by Bob Padula, via ARDXC)

**CAMBODIA** - With Cambodia close to a peace agreement, and also near an agreement on disbanding the various armed factions, how long will the clandestine stations of these factions last? The government station, *Voice of the People of Cambodia*, has English from 1200-1230 on 11938 kHz. The Home Service in Khmer continues to be heard on 4910 and 6090 kHz in South Asia from fade-in around 1200 until signoff at 1430. (Victor Goonetilleke on RNMN 9/12 via Mike Fern)

The clandestine *Voice of the Khmer* is heard from 0900-1400 and 2230- 0230 on 6325 kHz; this is the faction headed by Prince Sihanouk; the signal is quite strong.

The strongest signal in South Asia comes from the *Voice of the Army of Democratic Kampuchea* on 5408 kHz from 2315-0200 and 0900-1600 in Vietnamese and Khmer; this faction is led by Heng Sam-Rin.

The *Voice of Democratic Kampuchea*, using transmitters in China (PRC), is heard from 1300-1355 on 9440 and 6025 kHz; this is the voice of the Pol Pot regime. (Victor Goonetilleke on RNMN 9/12 via Mike Fern)

**CAMEROON** - *R. Cameroon*, Yaounde, 4850 kHz, with music and nx in EE at 0600; very poor signal. (RMV/QLB/DXPL 9/7 via Mike Fern)

**CHINA** - UniD, 6939 kHz, fair signals at 121.97, folk music and talk. PWBR 91 lists Yunnan PBS Third Network, Kunming, on 6937 kHz, 1030-1630 and 2230-0030; nothing in WRTH 91. Also heard with drama at 1130 9/9. (Mike Fern--CA)

Learned since sending in the 7/28 RJDXC file that "guang bo dian tai" translates: guang - wide; bo - spread; dian - lightning; tai - platform. My phrase books and ideograph directory at home aren't big enough. The character for 'wide'--looks like an inverted-L with a skyhook on the top-- was in my ideograph book only as a heading for the 'shelter' radical.--mf

The rush to establish new bc stations in China continues unabated. A count made in February showed 640 different stations in China, 106 more than a year earlier. Most of the newcomers are small FM stations, some targeted at a single farming or mining community. Many such stations have been heard in Japan because of VHF skip. Even DXers who understand Chinese have trouble confirming their names. One station is known as "Ah U San" or "853" which may be the name of a farm. There is no way of finding out its location. Small FM stations broadcasting in Mongolian have appeared in the Inner Mongolian Autonomous Region, and Korean language FM stations in the provinces of Chihlin and Yaoming. (Tooru Yamashita, ABI, on RJDXC 9/15 via Mike Fern)

**COLOMBIA** - *R.Nacional de Colombia*, 11822, heard \*0418-0432 8/28; classical music to 0427, closing announcements in SS, himno nacional. Announced "Sistema de onda corta", 11822 and 17875 in parallel. SIO 545 notwithstanding awful condx. (Mike Fern-CA)

*Caracol* on 6150 //6075, heard 7/11 at 0607 ancg special addr for reports: "DX Caracol, Aptdo Aereo 9291, Bogota". (Behr)

*La Voz del Cinaruco*, Arauca, 4865 kHz, heard signing off at 0035; WRTH 91 says 24 H. (KMH/QLB/DXPL 9/7 via Mike Fern) [They must have given up on the 24H truck driver programming. Arauca is a customs port on a main road between Venezuela and southeastern Colombia. And for months I've been blaming my receiver.--mf]

*Ecos del Combeima*, Ibague, 4788.5 kHz, at 2353 UTC in SS; programming from Colombian Pentecostal church, ID for AM and SW. Fair signals with co-channel interference. (KMH/QLB/DXPL 9/7 via Mike Fern)

**COSTA RICA** - Radio for Peace International will observe its fourth birthday 9/16 with special programming. RFPI started four years ago with one transmitter and \*forty\* watts. Now has 4 xmtrs, round-the-clock operations. RFPI's German office will issue special QSLs for European listeners. [Address not given.] RFPI sked as of 8/28: 7375 kHz. USB 24H; 13630 kHz. 1800-2400 only because of hardware problem; 15028 kHz. [measured-mf] 24H; 21465 kHz. USB 1800-0600; using a 41m antenna, but gets out pretty well. QSLs are available for US\$1 or 3 IRC's from RFPI, Box 88, Santa Ana, C.R. Schedules and other info may be obtained by sending a self-addressed stamped envelope to RFPI, Box 10869, Eugene, OR 97440. RFPI Mailbox at 0330 UTC Wed. after World of Radio. (James and Debra Latham, RFPI Mailbox 8/28, via Mike Fern)

*Adventist World Radio* has been authorized two 49m frequencies, 5970 and 6150 kHz. AWR is in no way associated with the ideals, philosophy or politics of the owners or operators of the former R. Impacto, whose equipment it bought at a bulk sale. Other authorized frequencies are 5030, 9725, 11870, 13750 and 15460 kHz. No new word on when tests will begin. (Andy Sennitt quoting David Gregory, AWR station manager, on RNMN 8/29 via Mike Fern) [A big storm in Eastern Costa Rica in early August which did lots of damage may have slowed them up.--mf]

**CROATIA** - *Croatian Radio*, Zagreb, heard on 9830 AT 0100-0300 f/out w/pgm of light mx & songs. Brief Croat news at 0100 & 0200; fair 9/12; //7240 weaker with QRM. These are low-power transmitters within Croatia, not to be confused with relays via WHRI. (Ernie Behr)

**CYPRUS** - *Cyprus BC Corp* heard on 11795 & //9735 at 2215-2244\* on 7/28. Freq was omitted in Sept LN. (Behr)

**ECUADOR** - "Carta para los Ecuatorianos Ausentes"—a letter to absent Ecuadorians—produced by *Radio Nacional del Ecuador* and broadcast by HCJB, at 1730-1800, on 15295 NF ex 15220 since late August. Reception reports should be sent to DX Party Line, La Voz de Los Andes, Box 691, Quito; EE reports are acceptable; Rich McVicar checks the logs, but RNE's director general signs the QSL cards by agreement with HCJB. One IRC would be appreciated. (Rich McVicar, DXPL 8/31, via Mike Fern).

*R.Luz y Vida*, Loja, 4851 kHz, heard at 0205 8/28; pop music and ads; silent for weeks at a time when they do go off; run by a community of nuns, but promotional spots as noisy as anything else in Ecuador (Rich McVicar, QLB on DXPL 8/31 via Mike Fern)

*R. Centinela del Sur*, Loja may use either 4890 or 4899 in the morning or evening; recent checks show that the old pattern of 4899 AM and 4890 PM has been given up. (KMH/QLB/DXPL 9/14)

Be very sure of a clear ID from *R. Nacional Espejo*, Quito, on 4680 kHz before firing off a report. This station was off the air in late July, but its place on 4680 was



taken by the fourth harmonic of Emisora Central, Riobamba, whose licensed frequency is 1170 kHz. (Rich McVicar, ANDEX 8/91, via Mike Fern)

**ETHIOPIA** - *The Voice of Oromo Liberation* transmits in Oromifa on 9540 at 1000-1100 and 1700-1800 gmt. (WBI 9/20)

*Voice of the Broad Masses of Eritrea*, 7488v kHz, at 1510; good level but fuzzy audio. (Peter Bunn, OZ-DX, on DXPL 8/31 via Mike Fern)

**GALAPAGOS** - *La Voz de los Galapagos*, 4810 kHz, plans to get back on shortwave but lacks the funds to refurbish its transmitter. MW and TV operations have priority. (Martin van Delft, Holland, touring in Ecuador, on DXPL 8/31 via Mike Fern)

**GEORGIA** - *Georgian Radio*, Tbilisi, is scheduled: 0330-0400 EE to ME on 11850 (unconfirmed); 0600-0630 EE to ME, Australasia on 12070, 12050; 0630-0700 German on 12070; 0630-0700 Russian on 12050. 0700-0830 Tu/Th Georgian to ME on 5930 (unconfirmed). 1700-1830 Sa/Su Georgian to ME on 5930 (unconfirmed). English at 1700-1730 to ME on 12070, 1900-2000 to ME on 12015, 2000-2030 to Europe on 11760, 2100-2130 to Europe on 11760. German at 1730-1800 to Europe on 12070. Georgian at 2000-2100 to ME on 12015. Russian to Europe at 2030-2100 & 2130-2200 on 11760. May be one hour later in winter. (WBI 9/20)

**HONDURAS** - *La Voz del Junco*, Santa Barbara, 6075 kHz, heard in Oaxaca, Mexico with good signals during eclipse monitoring at \*1940\* 7/11. (Carl Haffaker, Mexico, on DXPL 8/31 via Mike Fern) [WRTH 91 says 1200-0430--mf]

**HUNGARY** - *Radio France International* completed testing in August and will begin using relay transmitters in Hungary to broadcast to North Africa. RFI engineers found the Budapest transmitters cover the target area well. Final papers had not been signed 8/28 but RFI will rent one 250-kw and one 100-kw transmitter. The 250 kw unit is on from 0500-0800 on 17690 kHz. The 100-kw unit is used from 0500-0600 on 11850 kHz; 0600-0800 on 15530 kHz. (Eric Beauchemin et amis en RNMN 8/29, via Mike Fern)

*Kossuth Radio*, Budapest (#1 home service) scheduled weekdays 0230- 2215, Sundays 0500-2215 on 6025 kHz. (Joe Hitlai, Hungary, on DXPL 9/14 via Mike Fern)

**ICELAND** - Reykjavik heard on 9265 kHz from 0400-0500 in Icelandic. (Vadim Alexiu, Moscow, on DXPL 9/14 via Mike Fern) Also at 0730 on 3295, 6100, and 9265 kHz. (Austrian Shortwave Panorama, undated, on DXPL 9/14 via Mike Fern)

**INDONESIA** - BBCMS reports the *Voice of Indonesia* scheduled at 0030-0100 in SS, 0100-0200 English, 0200-0300 Indo, 0300-0400 AA, 0800-0900 English, 0900-1000 Malay, 1000-1100 CC, 1100-1130 Thai, 1130-1200 JJ, 1200-1300 Indo, 1730-1800 SS, 1800-1900 GG, 1900-2000 FF, 2000-2100 English. All on 11785, 11752, 9675, and unconfirmed 7125 kHz. (WBI 9/6)

**IRAN** - *VOIRI* on new 15260 from \*0330 IS & Quran, unID lang, 0530 IS & different pgm, strong 8/23; maybe new 500 kw xmtr in Zahedan? (Behr)

**ITALY** - *Radio Audizione Italiana*, Rome, has special programs for Canada in Italian at 1400-1425 on 17800 kHz; not in RAI's published schedule. (Vadim Alexiu, USSR, on DXPL 9/14 via Mike Fern).

**ISRAEL** - *Voice of Israel* sked 9/1 - 11/3/91: 0400-2215 Arabic to ME on 5900, 5915, 9815, 15095, 15480. Hebrew at 0400-0605 to Europe & the Americas on 11587.5, 13753, 15617; then 0605-1355 on 13753, 15617, 17545; then 1355-2310 on 13753, 15617. Yemenite at 1330-1355 to ME on 15640. Russian at 1400-1425 on 11587.5, 11605, 15590, 15640, 17575, 17590; at 1500-1555 on 15590, 17590; at 1600-1658 on 11587.5, 11605, 15590, 15640, 17575, 17590; at 1833-1955 on 11587.5, 11605, 11675, 15590, 17575; at 2100-2125 on 9435, 11587.5, 11605, 11675, 15590, 15640. English

at 1430-1455 (Su-Th) to Eu/Am on 11587.5, 11605, 17575, 17590; at 1800-1815 to Eu/Am on 11587.5, 11675, 15590, 17575; 2000-2030 to Eu/As/Am/Au on 11587.5, 11605, 11675, 15640, 17575, 17630; at 2230-2300 to Eu/Am on 9435, 11587.5, 11605, 15100, 15640, 17575. In *Bukharian* at 1430-1445 on 15590, 15640. In *Georgian* at 1445-1500 on 15590, 15640. In *Tai* at 1500-1515 Su & We to Eu/Am on 11587.5, 15590, 17575. In *Persian* at 1500-1554 to Eu/ME/As/Am on 11605, 15640, 17595. In *Yiddish* at 1700-1755 on 11587.5, 11605, 15590, 15640, 17590. In *Romanian* at 1800-1815 on 11605, 15640. In *French* at 1815-1830 on 11587.5, 11675, 15590, 17575; at 2030-2100 on 11587.5, 11605, 11675, 15640, 17575, 17630; at 2130-2155 on 9435, 11587.5, 11605, 15100, 15640, 17575. In *Hungarian* at 1815-1830 on 11605, 15640. In *Spanish* at 2200-2230 on 9435, 11587.5, 11605, 15100, 15640, 17575. (WBI 9/20) *Sawt-ul Israel* on 15480 from 1930 AA nx & mx, Israeli NA to 2110\*; strong but distorted 8/22, not heard since 9/1. (Behr)

**JAPAN-** *Radio Japan* has moved its 1500-1530 English xmsn for North America from 11865 kHz to 9505 kHz, effective 9/1. (Mike Fern-CA)

*Radio Japan General Service* sked for S-91: In *Japanese* 0000-0030 to As/Am on 11815, 15195, 15430, 17810, 17845, 21635(Moyabi); 0200-0300 to As/Am on 5960(Sackville), 15195, 15325(Montsinery), 15350(Montsinery), 17810, 17835, 17845; 0400-0500 on 9645(Moyabi), to 0430), 15195, 17765, 17810, 17820(Sri Lanka), 17825; 0600-0700 to As/Au/Am on 15195, 17765, 17810, 17825, 17890; 0800-0900 (worldwide) on 9675(Montsinery), 11875, 15250, 17765, 17810, 17890, 21575(Montsinery to 0830), 21575(Moyabi), 21610, 21640(Moyabi); 1000-1100 to As/Am on 6120(Sackville), 11815, 11840, 15350(Montsinery); 1200-1300 to As/Am on 9505, 11815; 1300-1400 to As/Am on 6185, 7210, 9505, 9535(Sri Lanka), 11815; 1600-1700 to Eu/ME/As/Am on 6185, 7140, 7210, 9505, 11815, 15230, 21700(Moyabi); 1800-1900 on ME/Au/Am on 9505, 9535, 9640, 11850, 11865, 15345(Sri Lanka); 2000-2100 to As/Au/Am on 11815, 15280, 17825, 17890; 2200-2300 to Eu/ME/As/Am on 9685(Montsinery), 11735(Moyabi), 11815, 15195, 15430, 17810.

In *English* at 0100-0200 to As/Am on 5960(Sackville), 11840(Sri Lanka), 15195, 17810, 17835, 17845; 0300-0400 to As/Am on 15195, 17810; 0500-0600 to As/Au/Am on 15195, 17765, 17810, 17825, 17890, 21610; 0700-0800 to Eu/ME/As/Au on 15250, 17765, 17810, 17890, 21575(Moyabi); 0900-1000 to As on 11840, 21610; 1100-1200 to As/Am on 6120, 11815, 11840; 1400-1500 to As/Am on 9505, 9535(Sri Lanka); 1500-1600 to Am on 9505; 1700-1800 to ME/As/Am on 7140, 9505, 11815, 15345(Sri Lanka); 1900-1930 to Af/Au/Am on 9505, 9640, 9645(Moyabi), 11850; 2100-2200 to As/Au on 11815, 11840, 15430, 17810, 17890; 2300-2400 to Eu/ME/As/Am on 11735(Moyabi), 11815, 15195, 15430, 17810.

The *Radio Japan Regional Services* are sked: 0200-0230 Bengali on 11840(Sri Lanka); 0200-0300 Japanese to Am on 17825, 21610; 0230-0300 Hindi to As on 11840(Sri Lanka); 0300-0400 Chinese on 17765, 17835; 0300-0330 *English* to Am on 15325(Montsinery), 17825, 21610; 0300-0330 Urdu on 11840(Sri Lanka); 0330-0400 Arabic to ME on 17820(Sri Lanka); 0330-0400 Spanish to Am on 15325(Montsinery), 15350(Montsinery), 17825, 21610; 0430-0500 Russian on 15250, 15355(Moyabi); 0530 Swedish, 0545 Italian, 0600 German, 0630-0700 French, all on 15250, 21690(Moyabi); 0900-1000 *English* to Au on 15270, 17890; 0900 Portuguese, 0930-1000 Spanish, both on 9675(Montsinery) and 11875; 1015-1115 Indonesian on 15300, 17820; 1030-1130 Korean on 6185, 7210; 1115-1145 Burmese on 15300, 17820; 1130-1230 Chinese on 6185, 7210; 1145-1215 Malay on 15300, 17820; 1215-1245 Thai on 11875, 15300, 17820; 1230-1300 Russian on 6185, 7210; 1245-1345 Chinese on 15300; 1345-1415 Vietnamese on 11875, 15300; 1400-1500 Korean on 6185, 7210; 1500-1600 Chinese on 6185, 7210, 9580; 1530-1600 Bengali, 1600-1630 Hindi, 1630-1700 Urdu, all on 9535(Sri Lanka), 11900; 1715-1745 Swahili on 7180(Moyabi), 9535; 1830-1900 French to ME on 9620, 15210(Sri Lanka); 1930-2000 Arabic on 9620, 15210(Sri Lanka); 1930-2000 Russian, 2000-2030 German, 2030-2100 French, 2100-2115 Swedish, 2115-2130 Italian, 2130-2200 Spanish,

all to Europe, all on 15355(Moyabi); 2230-2300 Vietnamese, 2300-2400 Indonesian, both on 11840, 17785. (WBI 9/13)

An H-1 rocket carrying the broadcast satellite BS-3B was successfully launched 8/25. BS-3B will replace the Uri 3A satellite, which has been plagued by a lack of power. It is feared that the continued use of Uri 3A could result in a premature cutoff of services to 4 million TV households. BS3B is the same type of satellite as Uri 3A. It can broadcast three TV channels for seven years. BS-3B was in an elliptical orbit around the earth 8/30 and will reach its stationary orbit between 9/15 and 9/30. After all the equipment on board has been checked, it will enter commercial operation early in November. If everything goes well, Japan will be able to maintain its full complement of five satellite BC channels. Nippon Hoso Kyokai, parent organization of Radio Japan, will be able to conduct High Definition TV experiments using one channel. (RJDXC 9/1 via Mike Fern)

**KAZAKHSTAN** - *R. Alma Ata* heard in English at 0000 on 5915 kHz. (Vadim Aleksiu, USSR, on DXPL 9/14 via Mike Fern)

**KIRIBATI** - International Reply Coupons are no longer accepted by post offices in Kiribati. *R. Kiribati's* station manager, Tomasi Kei Tauru, asks DXers who want QSLs to enclose one U.S. dollar with reception reports instead. The schedule has changed also: Mon-Sat 1730-1900, daily 2300-0030 and 0500-0830 on 14917.5 kHz. 90% of the programs are in Kiribati. English news relays from RNZI at 1800, 0000 from R. Australia, and at 0500 from the BBC are followed by local news in EE. The address is P.O. Box 78, Bairiki, Tarawa, Republic of Kiribati, Central Pacific. (JM and Andy Sennitt on RNMN 8/29 via Mike Fern)

**KOREA (North)** - *Korean Central BS*, Pyongyang, 2850 kHz, heard at 1030 8/28; fair signals, local powerline interference. The lowest usable frequency is getting down there. Not listed in WRTH 91; PWBR 91 says 2000-1800. (Mike Fern-CA)

**LATVIA** - *R. Riga International* was heard in the UK in early September at 2130 on 576 kHz MW and 5935 kHz with short 3-minute programs in EE and GG, Mon thru Fri. The station resumed broadcasting in EE on 8/21. (Michio Yamada, London, on RJDXC 9/15) The pre-coup schedule was Sunday only, 0700-0730 and 1830-1900, on 5935 kHz. (RJDXC 9/15 via Mike Fern)

**LEBANON** - *King of Hope* heard on new 11530 from 2000 with English religious programs, ID & Lebanese NA to 2158\*v, strong 9/11; new 25 kw xmtr, but announced only 6280; addresses in Los Angeles, London, Limassol. ID: "This is the King of Hope transmitting from South Lebanon.". (Ernie Behr) The *King of Hope's* new 25-kw transmitter on 11530 kHz was expected to be on the air by 7/31. For the first year it will operate // 6280 kHz. (Tony Rodgers, BDXC, on DXPL 8/31 via Mike Fern)

**LIBERIA** - J. Rufus Kane, acting deputy director of broadcasting, Liberian Broadcasting System, wrote Geoff Cozier of Australia a two-page letter. *ELBC* freq was given as 7272 kHz; sked as 0700-1000, 1155-2100. EE news at 0700, 1400, 1800. *ELBC* broadcasts in all of Liberia's 16 major languages; vernaculars scheduled Mon-Fri 0815-0900, 1600-1700. The 10-kw transmitter was supplied by Nigeria through the West African Peace Keeping Force. *ELBC* is using a temporary site pending repairs to its original equipment, damaged in the civil war. Peter Bunn comments "one could reasonably conclude that the transmitter is located in Liberia, not Sierra Leone as reported from time to time." (OZ-DX on DXPL 8/31 via Mike Fern)

*ELBC*, 7275 kHz, temporary site, location unknown, at 0658 in EE; ID was "This is *ELBC*, the Liberian Broadcasting System" followed by frequency and program schedule for the day; 30 sec. of drums at 0700 preceded news; reception in Quito not very good. (RMV/QLB/DXPL 9/7 via Mike Fern)

**LIBYA** - *Voice of the Great Arab Homeland* is back on 17725 (not 11725 as in Sept LN) from 1615 reading "Green Book" in RR non-stop to 1818, piano mx, RR ID & addr to 1825\*, 8/16; time varies widely, 9/11 in RR from 1600, GG from 1700, AA 1740. (Behr)

**LITHUANIA** - *R. Centrus*, 9710 kHz, heard in Quito at 0558 Sat 8/31; mail bag in EE; Lithuania already had its own postage stamps (before independence was certain); no need to put "USSR" on envelope; faded slowly, almost gone at 0630. (RMV/QLB/DXPL 9/7 via Mike Fern) Centrus? [df]

*R. Vilnius International's* EE service is back on the air, but without frequency or schedule announcements. EE is being heard 2300-2330 on 11790, 15180 and 17665 kHz. (RK Shortwave Feedback 9/15 via Mike Fern) [One problem may be that nobody knows who owns what transmitters at the moment. One of Yeltsin's first post-coup decrees transferred control of all USSR communications systems to the Russian Republic. Also, FBIS reported last spring that Bulgaria took over Radio Moscow's Plovdiv relay base and was demanding hard currency for transmitter time.--mf]

*R. Vilnius International* was still operating from its emergency studio on 9/6 because the regular studio in Kaunas was far from ready. "There is no studio where we could work." When Soviet troops took over in Kaunas, "in every room and in every studio they made toilet. The soldiers, they are so dirty, it's beyond words what they have done to us. We are going to tell our listeners about what they did. And then chemical pollution. There is much to repair ... in the building and around, in the yard." (Mrs. Ilona Rūkiene, head of English Service, R. Vilnius, on RJDXC 9/15) [FBIS-Sov-91 had an item from R. Vilnius about the condition of the Vilnius TV tower a day or so after the Soviet forces gave it up. All of the studio equipment had been destroyed.--mf]

*R. Vilnius* sked in English from 9/29 is 2300-2330 on 11790, 15180, 17605, 17690 (Fred Baines, Toronto, Ont.)

**MALDIVES** - WRTH has received official confirmation from the *Voice of the Maldives* that it plans to return to shortwave in the future. The last home-service sw transmitter left the air in 1982; only AM and FM are used now. The station says it plans to establish a SW radio service to neighboring countries. (Andy Sennitt on RNMN 8/29 via Mike Fern)

**MALTA** - *Voice of the Mediterranean*, 9765 kHz at 0640 in EE with a discussion of Spanish airlines and talk on Malta-Fest 91; good signals. Also at 0610 with discussion of refugee problem; very good signals. (KMH/QLB/DXPL 9/7 via Mike Fern)

**MEXICO** - *R. Universidad de San Luis Potosi*, 6045 kHz, heard with strong signals at 1923 7/11; *Radio Mil*, 6010 kHz pinned the meter at 1926 with RF gain set at minimum. *XEFT*, Vera Cruz, 9545 kHz, *R. Universidad de Mexico*, 9600 kHz, all stronger than normal about 1930 7/11 during eclipse monitoring. *XEFT* is on the air daily with a composite (home-built but not home-brew) xmtr built in 1936; quit due to overvoltage when first turned on in April after years of silence. No problems since parts were replaced in May. *R. Mil*, Mexico City, 6010 kHz, is on full time, full power, after years of holidays-only broadcasting. (Carl Huffaker, Huasca del Campo, Hidalgo, Mexico, (Speedx columnist) on DXPL 8/31 via Mike Fern) *XEFT*, *LV de Vera Cruz* reported back on 9545, last heard in 1973; also *XEXQ*, on 6045, both rptd by Carl Huffaker on DXPL, but no sked. (Behr) [WRTH 91 says San Luis Potosi 1300-0500; *XEFT's* MW sked 1130- 0600--mf]

**MONACO** - *Trans World Radio*, Monte Carlo, 6230 kHz, at 0344 with IS and pgm in GG with choral music to 0415; good signals. (Rich McVicar, QLB on DXPL 8/31 via Mike Fern) On 9480 kHz at 0635 8/5 with interval signal and Hour of Revival program; excellent reception. WRTH 91 says that's beamed to North America; could be, SIO 555. (KMH/QLB/DXPL 9/7 via Mike Fern)

**MOROCCO** - *R. Mediterranean International* or "Medi Un", 9575 kHz, at 0709 UTC with news in AA; news in FF at 0730; very good in Quito. (RMV/QLB/DXPL 9/7 via Mike Fern)

**NAMIBIA** - *R. Namibia's* current schedule: 0800-1800 in EE on 7165 kHz; 1800-0800 on 3270 kHz. Afrikaans and vernaculars from 0600-0700 and 1800-2400 on 3290 kHz, and 0800-1800 on 7190 kHz. (Jim Parker, British DX Club, on DXPL 9/7 via Mike Fern)

**NETHERLANDS ANTILLES** - *Trans-World Radio HQ* has approved the project to set up a satellite network serving Latin America, to be based on Bonaire. Service will start July 1, 1992. The network will target the unchurched in major cities, whose growth has increased noise on the shortwave bands [and where the first radio in a home is likely to have FM rather than SW.]

The satellite service will not replace TWR's shortwave service. It is intended to bring back the urban audience which has been lost because of city growth. The facilities are intended for 24-hour operation.

The uplink will be located on TWR Bonaire property but will use the license of Bonaire's Flamingo TV. Programs will be relayed on PanAmSat, which has a Spanish speaking beam that covers most of Latin America. C-Band will be used despite the larger dish because of the margin of safety against rain and other tropical transmission problems. There will be two audio channels (to permit stereo at night.) A third data channel will carry printed messages and signals to control receivers in groups or separately. The Latin beam extends from Mexico to the southern end of South America. It is not as strong in Brazil but gives good coverage of the Spanish-speaking countries. Only Spanish programs are planned at present. Cities will be ranked in priority according to their size, with the larger cities to be set up first.

TWR Bonaire Program Manager McDaniel Phillips is planning for about 12 hours of network programming; the rest of the time would be available for syndication (of programs produced by third parties). News broadcasts would be given each hour. The format would be about 75% music, the rest conversational talk, teaching, and short spots.

The first targets include Colombia, Venezuela, Peru, and San Juan, PR. TWR hopes to have 12 or 14 stations signed up next year. TWR will install the downlink equipment, and will also provide technical service and advice.

TWR staff will not be affected (although space must be found for the satellite service and the studios must be re-wired). Automation equipment will control the MW and two SW transmitters and the satellite network as well. The Media Touch system, which allows an operator to touch a spot on a CRT to control its operation, is under consideration. Both announcements and programs will be held on digital hard-drive audio storage, which will replace continuous-loop tape cartridges. (Chuck Roswell and Brian DeWalt, TWR Bonaire studio engineer, on Bonaire Wavelength 9/14 via Mike Fern)

**NEW ZEALAND** - New Zealand changes to Daylight Time on Oct 6, so until March 1992 will be 13 hours ahead of GMT.

*R. New Zealand International* has scheduled special broadcasts from 1200-1745 on new 9510 kHz to carry live coverage of two Rugby World Cup matches, New Zealand vs. England on 10/3 and New Zealand vs. United States on 10/8. (Tony King, RNZI Mailbag 9/15 via Mike Fern)

**NIGERIA** - *Federal Radio Corp. of Nigeria*, Kaduna, confirms that it is using 9570 and a 100-kw xmtr on 7275 (the latter not in WRTH 91). 7275 is the frequency used by ELBC, a temporary service of the West African peace-keeping force in Liberia. Back issues of WRTH indicate that 7275 was used until 1982 at Lagos. (Andy Sennitt on RNMN 8/29 via Mike Fern)

Nigeria's current government has divided the country into 30 states instead of the former 22. DXers there expect many new MW and FM outlets to take the air. However, it is doubtful that new SW licenses will be granted. Currently active Nigerian SW outlets are: *R. Kaduna, Kaduna*, English service, 4770 and 9570 kHz; WRTH says 0430-2105.

*R. Nigeria, Kaduna*, Hausa service, 6090 kHz, 0400-2305. *R. Nigeria, Lagos*, 4990 kHz, 0430-2300. *R. Nigeria, Enugu*, 6025 kHz, 0430-2300. *R. Nigeria, Ibadan*, 6050 kHz, 0430-2305. *R. Nigeria, Maiduguri*, 6100 kHz, irregular tests; no guarantee how long the xmsns will last. WRTH 91 says 0400-2305. (Friday Okoloise, Africa DX Assn., and Rich McVicar on DXPL 9/7 via Mike Fern) The ADXA may be reached at P.O. Box 42, Bajoga, Bauchi State, Nigeria.

**PAKISTAN** - *Radio Pakistan*, 7010 kHz at 0047; man in unID language, subcontinental music, clear Radio Pakistan ID just after 0100, followed by presumed nx; good to very good sigs, but loud hum on carrier. (Rich McVicar, QLB on DXPL 8/31, vis Mike Fern)

*R. Pakistan*, 15115 kHz with woman reading news in EE; very strong signals; covered by second station with a tone. Although signals in Quito are good, chief engineer wrote KMH that RP doesn't broadcast to SA so he wouldn't send a QSL card! (KMH/QLB/DXPL 9/7 via Mike Fern) 9/8 via Mike Fern)

**PERU** - *R. Chota*, Chota, 4890 kHz, at 0154 with program titled "Aqui es Peru Musical" (here is musical Peru); IDs as "Radio Chota del Peru" and "Radio Chota". (Rich McVicar, QLB on DXPL 8/31 via Mike Fern) [WRTH 91 says 1200-0300\*.-mf]

*R. Huancabamba*, Huancabamba, 6281 kHz, in SS at 0033; clear ID, "musica folklorica para todo el Peru", and folk music; signals fair to good. (Rich McVicar, QLB on DXPL 8/31, via Mike Fern)

*R. Satellite*, Santa Cruz, 6725 kHz, at 0040 with sports commentary; very good signals. (Rich McVicar, QLB on DXPL 8/31, via Mike Fern) [WRTH 91 says 2200-0300--mf]

*R. La Merced*, Tongo, 6755 kHz, at 0040; local announcements by woman; good signals. (Rich McVicar, QLB on DXPL 8/31 via Mike Fern) [WRTH 91 says ??-0230--mf]

*Radio Tacna* was on 9486.1v one day only, 7/29, to 0501\*, not on 9586.1 as in Sept LN. Other daysheard on 9505 till 0147 WYFR s/on. (Behr)

*R. Altura*, Cerro de Pasco, : : Hz, at 0030 in SS with guitar music, personal messages and ID; signals quite good. (KMH/QLB/DXPL 9/7 via Mike Fern)

*R. Maranyon*, 4835 kHz, at 0030 in SS with talk, ID, sign-off with national anthem "Somos Libres" at 0055. Very good sig in Quito. (KMH/QLB/DXPL 9/7 via Mike Fern)

*R. Ancash*, Huaraz, 4991 kHz, at 0302 with Peruvian folk mx; signals very good. (RMV/QLB/DXPL 9/7 via Mike Fern)

*R. del Pacifico*, Lima, 9675 kHz, heard at 1145 in SS, talk about the Acropolis in Greece; very good signals. (RMV/QLB/DXPL 9/14 via Mike Fern)

**PHILIPPINES** - *R. Filipinas* has answered a reception report sent from Japan in mid-August. The August transmissions were tests; regular service began Sept. 1 on the same schedule. (Tetsuya Kondo, ABI, on RJDXC 9/8 via Mike Fern)

*R. Veritas Asia* has extended its 30-min transmission on Sundays to 60 min, from 1500-1600 on 15140 kHz; the program includes Holy Mass in English and Tagalog. On other days the xmsn is 1500-1530 only, with EE news from 1525-1530. This is the only English broadcast from R. Veritas. (Victor Goonetilleke on RNMN 9/12 via Mike Fern)

*Radyo Filipinas'* English broadcasts are produced by former R. Veritas English Service announcers, including Evelyn Salvador Agato, the editor of R. Veritas' DX program. (Victor Goonetilleke on RNMN 9/12 via Mike Fern)

**PORTUGAL** - *Radio Portugal's* Mailbag program 9/14 said mail dept is being restructured & there has been some delay in answering listener mail & reception reports, but they hope to catch up soon & all mail will be answered, all reports verified. No need for tape, just a written report & write name & address in block letters or type it. (John Norfolk, Oklahoma City, OK)

**SEYCHELLES** - *FEBA* schedule in EE, effective 9/1 to 11/2, as follows: 1500-1600 Tues thru Sat on 9590 and 15330 kHz; beam 040 degrees E of N. Also 1500- 1555; to 1615 on Saturdays on 11865 kHz, also beamed 040. Pushtu at 0230 Mon thru Fri on

15200 kHz, a better bet in the US. Also in Amharic or Oromo at 0330 on 15145 kHz; in Arabic at 0345 on 15325 kHz. (Direct to DXPL 9/14 via Mike Fern).

**SIERRA LEONE** - *Sierra Leone Broadcasting Service* is scheduled at 0558-0810 on 3316, 0810-1728 on 5980, and 1728-2230 on 3316 kHz. (WBI 9/13)

**SOMALIA** - *Radio Hargeisa* sked is 1000-1230 on 6390 & 7122(alt), in Somali. Also at 1500-1700 on the same frequencies. (WBI 9/20)

**SOUTH AFRICA** - The *Radio RSA* sked to 11/2: 0300-0500 FF on 15120; 0400-0500 English on 7270, 11900, 15440; 0400-0600 PP on 7230 & 11920(fm 0500); 0500-0700 FF on 15120, 15365, 17815; 0900-1000 Sa/Su Tsonga on 9585; 1000-1100 English on 17835; 1100-1200 English on 9555, 11860, 11900; 1400-1700 Swahili on 11925, 15365; 1500-1800 English on 7230, 15270 & 17840(fm 1600); 1500-1800 Lozi on 7270; 1600-1800 Chichewa on 5960; 1800-2000 FF on 15365, 17840; 1800-1900 PP on 4965; 1900-2100 PP on 11950. All to Africa. (WBI 9/13)

**SURINAM** - (not Suriman as in Sept LN!) *RSI* via Radiobras, no freq mentioned in Sept LN, but reported on new 17835, ex 17750, on WoR in August. No trace of it on either frequency. (Behr)

**SWAZILAND** - *Trans-World Radio*, Manzini, heard on 9655 kHz \*0306-0330 in unID African language; fair signals 9/14, weak signals with (?) polar flutter 9/15. Not in WRTH Downlink spring sked. No EE announcement at closing; ended with interval signal on hand bells. (Mike Fern--CA)

The two 100 kw SW xmtrs which TWR is having built for the Year 2000 project will be sent to Swaziland, where the need is greater, instead of to Bonaire. (Chuck Roswell, Bonaire Wavelength 9/14, via Mike Fern)

**TAIWAN** - The *Voice of Asia* has moved from 612 kHz to 585 kHz in August and doubled its power from 600 kw. to 1200 kw. (ABI on RJDXC 9/15 via Mike Fern)

The *Central Broadcasting Service*, aimed at mainland China, and the *Voice of Free China* were supposed to have been merged and formed into a foundation in July. Preparations have been delayed, and the merger may not take place until 1992. (ABI on RJDXC 9/15 via Mike Fern)

There are no truly private stations in China, but the Taiwan government has relaxed controls on them. A once-mandatory program, "The Republic of China's Nationwide Network", is now optional. There has also been an increase of programs in languages other than Mandarin, such as Hakka and Fujian. (ABI on RJDXC 9/15 via Mike Fern)

**UKRAINIA** - *R. Lugansk*, 7240 kHz, has local programs from 0510-0600, 0910-1000, and 1210-1300 // 810 MW. 7240 carries Ukrainian home service, All-Union Radio, and Radio Moscow at other times. (Feodor Brezhnikov, Irkutsk, USSR, on DXPL 9/7 via Mike Fern) *R. Kiev* English sked, as of 9/19: 2100-2200 to Europe on 5960, repeated at 0130-0230 on 9785. To NA 0000-0100 on 11675, 11790, 12005, 15180, 17665, 17690. (Fred Baines, Ont.) 0130 seems an odd time for Europe. Would be more appropriate for NA or South Asia. [df]

**UNITED ARAB EMIRATES - ABU DHABI** - Domestic Service sked of *UAE Radio Abu Dhabi*: Arabic at 0200-0400 on 9600, 9695, 21735, 25690; 0400-0600 on 9695, 17855, 21515, 25690; 0600-1200 on 9695 (to 0630), 17855, 21515, 21735, 25690; 1200-1300 on 15315, 17855, 21735, 25690; 1300-1400 on 7215, 15315, 17855, 21735; 1400-1600 on 7215, 11985, 17855, 21735; 1600-1800 on 9695, 9780, 11965, 13605; 1800-2000 on 6170, 9695, 9780, 11965; 2000-2200 on 6170, 9780, 11965. The external service is scheduled: Arabic at 0000-0200 on 11965, 13605; English at 2200-2400 on 9600, 11965, 13605; both to the Americas. (WBI 9/20)

*UAE Radio*, Abu Dhabi, has EE from 2200-2400 on 9600, 11965 and 13605 kHz. (William Mathews, RK SW Feedback 9/15 via Mike Fern)

**UAE Radio**, Dubai, has English from 0530-0600 on 15435, 17830 and 21700 kHz.; 1030-1100, 1330-1400, and 1600-1635 on 13675, 15320, 15435, and 21605 kHz. (ADDX Courier (Germany) via DX Post (India) on RK SW Feedback 9/15 via Mike Fern)

**USA - WWV and WWVH** replaced their 1960-vintage drum recorders with digital presenters at 1800 8/13. A completely new free 27-page booklet about WWV-WWVH-WWVB services was released at the same time. Special Publication 432 is available from: NIST, Mail Station 847, 325 Broadway, Boulder CO 80303. The new voices are free-lance announcers Eric Smith (WWV) and Gretchen Stahl (WWVH). Auwe! no mo' keiki o ka aina - but the 'aloha' is back on WWVH! The digital presenters are driven by wholly new time-code generators; the voices are recorded as computer memory inside chips. (Dave Rosenthal on RNMN 8/29 via Mike Fern) And the voices are now far from easily understandable. (df)

The **Voice of America** installation at Bethany, OH, has been authorized to issue its own QSL cards. 5000 cards have been ordered. This will commemorate the installation of 3 x 250 kw xmtrs built by ASEA-Brown Boveri of Switzerland as part of the upgrading of the Bethany base. Reports on Bethany xmtrs may be sent to: Bethany Relay Station, P.O. Box 227, Mason, OH 45040, USA. (William Matthews, RK Shortwave Feedback 9/15 via Mike Fern)

**Empire of the Air! The Men Who Made Radio**, a two hour documentary by Ken "The Civil War" Burns, is scheduled to be shown on PBS 1/29/92. (TV Guide, 9/14, via John Norfolk) An earlier TV Guide dated 10/6/90 said a tie-in book would also be released. See DXLD #29. (Norfolk)

Contrary to a report on RNZI (as forwarded by Mike Fern) that VOA has dropped 9760 & 15155 to the Pacific at 1100-1200, the schedule shows no change in use of those frequencies. [df]

**USSR** - Tass reported 8/28 that Deutsche Welle will begin broadcasting 9 1/2 hours a day to Asia via xmtrs in the USSR. (RNMN 8/29 via Mike Fern)

Cf Sept LN, page 35. Contrary to the BBCMS report, I tuned **Radio Moscow** at 0417 8/19 after getting word of the coup via television. 13605 and 13645 kHz were both audible here, and it was business as usual with Joe Adamov fielding questions on "Moscow Mailbag". At the 0500 news, the lead story was Boris Yeltsin's endorsement of the revised union treaty! Anybody catch the moment when Radio Moscow went off normal programming? I tried again the next morning around 1400-1430, but could find no trace of Radio Moscow on any frequency; coup or just lousy propagation? I did note a powerful 3/2 digit English numbers station on 15450 kHz at 1423, and I strongly suspect this was coming via some SWBC transmitter! Since the coup's failure, I've noticed Radio Moscow's world service thanking other broadcasting organizations and listeners for their expressions of support. I've heard some familiar names of North American SWLs mentioned in these announcements. (Harry Helms, San Diego, CA)

**Radio Moscow** heard on 6065 USB, in Japanese 1100-1300\*, strong 8/27. **Mayak** on 12175 USB from 0400 past 0500 in RR, 9/11. (Behr)

- **All Union Radio Mayak**, sked (one hour later in winter):  
0000-0100 on 4520, 4930, 6015, 6195, 7400, 9180(usb), 9615, 10855(usb), 11655, 11850, 11975.  
0100-0200 on 4520, 4930, 6015, 6195, 7265, 7285, 7355, 7400, 9615, 10855(usb), 11655, 11805, 11975. 0200-0300 on 4520, 4930, 6015, 6095, 6110, 6195, 7265, 7285, 7330, 7355, 7400, 9615, 10855(usb), 11655. 0300-0400 on 4930, 6015, 6095, 7265, 7285, 9645, 9655, 10855(usb), 11655, 11720, 12060, 12080, 13820(usb). 0400-0500 on 6015, 6095, 7200, 7265, 7285, 9645, 9655, 9860, 10855(usb), 12060, 12080, 13820(usb). 0500-0600 on 6015, 7200, 7265, 9645, 9655, 10855(usb), 11720, 12060, 13820(usb), 18195(usb), 18870(usb). 0600-0700 on 7200, 7320, 9470, 10855(usb), 11780, 12060, 13820(usb), 18195(usb), 18870(usb). 0700-0900 on 7200, 9470, 10855(usb), 11720, 11780, 12060, 13820(usb), 16300(usb), 18195(usb), 18870(usb). 0900-1000 on 7200, 7320, 9470, 10855(usb), 11720, 11780, 13820(usb), 16300(usb), 18195(usb), 18870(usb). 1000-1100 on 7200, 7320, 9470, 9555, 10855(usb), 11720, 11780, 12060, 13820(usb).



16300(usb), 18195(usb), 18770(usb). [or 18870? df] 1100-1200 on 7200, 9470, 9655, 10855(usb), 11720, 12060, 13820(lsb), 16300(usb), 18195(usb), 18870(usb). 1200-1300 on 9470, 9655, 10855(usb), 11720, 12010, 12060, 13820(lsb), 16300(usb), 18195(usb), 18870(usb). 1300-1400 on 7200, 9470, 9645, 9655, 10855(usb), 11720, 11780, 12010, 12060, 13820(lsb), 15140, 15520, 16300(usb), 17875, 18195(usb), 18870(usb), 21565. 1400-1500 on 6095, 7200, 7320, 9470, 9555, 9645, 9655, 10855(usb), 11720, 11780, 12010, 12060, 13820(usb), 16300(usb), 18195(usb), 18870(usb), 21480, 21650. 1500-1600 on 6015, 7320, 9470, 9645, 9655, 10855(usb), 11720, 11780, 11890, 11920, 13795, 13820(lsb), 16300(usb), 18195(usb), 18870(usb). 1600-1700 on 4930, 6015, 6050, 6095, 9180(usb), 9645, 10855(usb), 11765, 13795, 13820(lsb), 16300(usb), 18195(usb), 18870(usb). 1700-1800 on 4930, 5015, 6015, 6050, 6095, 7285, 9180(usb), 9645, 10855(usb), 11670, 13820(lsb), 15145, 15220, 17715, 18195(usb). 1800-1900 on 4930, 6015, 6050, 6095, 7400, 9180(usb), 9645, 10855(usb), 11670, 12065, 13795, 13820(lsb), 15145, 17715. 1900-2000 on 4930, 6015, 7285, 9180(usb), 11670, 13820(lsb). 2000-2100 on 4930, 6015, 6050, 6095, 7285, 9180(usb), 11670, 13795, 13820(lsb), 15660. 2100-2200 on 4930, 6015, 6095, 7285, 9180(usb), 11670, 13820(lsb). 2200-2300 on 4930, 6015, 6050, 7285, 9180(usb), 10855(usb), 13820(usb). 2300-2400 on 4825, 4895, 4930, 6015, 6065(to 2330), 6095, 6195, 7285, 7400, 9180(usb), 9570, 9615, 10855(usb), 11665, 11850, 13820(usb). (WBI 9.20)

Some unexpected publicity for shortwave from a most unexpected source: *TV Guide!* In the 9/14 edition, an article on pages 90-91, "Soviet expert: TV paved way for revolution" by Stephen Cohen, mentions shortwave in a section titled "The Secret Word: Radio". On page 31 of the 9/21 edition, in the usually childish and stupid "Cheers 'n' Jeers" column, the unattributed author gives a "Cheers" to radio, again mentioning shortwave's role during the coup attempt (and calling it "shortwave", not "world band radio"). (John Norfolk) Nice to see someone calling it what it is, not what it's not. [df]

**RUSSIA - Radio Rossii** (Russia's Radio) began operating 24H on MW and SW about 8/28, replacing All-Union Radio's second channel; uses several frequencies in 19, 25, 31, 41 and 49m plus feeders. Best in Europe in late August - subject to change 9/1 - were: 6055 kHz, 0300-0600; 7355 kHz 1500-0200; 11690 kHz, 11840, 11965 kHz during European daytime; SSB feeders on 15630, 16330 kHz. (Richard Measham, BBCM, on RMNN 8/29 via Mike Fern)

UnID, 9505 kHz, under RJDXC program at 1530 9/8; heard reference to "Programmu Radiodva .. Radio Rossii", not sure whether this was a station ID or a program announcement. Moderate QRM to Tokyo which I was able to copy with almost no trouble. (Mike Fern--CA)

R. Moscow, 4010 kHz, Vladivostok, heard with Korean program at 1140 9/9; Russian ballads or art songs. Fair signals. (Mike Fern--CA)

R. Vedo, Volgograd, has been heard in Japan from 1400-1800 on 11760 and 13710 kHz; silent Sat and Sun. However, morning xmsn is announced for 0330-0600 Sat/Sun on 5915 and 7125 kHz SW and 1116 MW. (Shigenori Aoki and Yoshinori Kato, RJDXC 9/9, via Mike Fern)

R. Vladivostok, independent, heard in Japan from 2103-2300 on 1251 kHz which is normally used for RMI external service. (Shigenori Aoki on RJDXC 9/9 via Mike Fern)

**UZBEKISTAN - R. Tashkent** heard in EE at 0120 on 11975 kHz. (Vadim Aleksiu, USSR, on DXPL 9/14 via Mike Fern) 1200-1230 on 7325, 9715, 15470 and 17740 kHz. The 19m channel is being announced as 15460. Other EE programs may have been added. (William Mathews, RK SW Feedback 9/15 via Mike Fern)

**VATICAN - Ms. Sumi Togasaki** of RJDXC visited *Vatican Radio* during a vacation trip to Europe (because VR broadcasts in Japanese and RAI does not.) VR is housed in Palazzo Pio, a renaissance-era structure converted for broadcasting. The studios include a special chapel where Mass is celebrated daily for broadcast at 0630 by priests assigned to VR. The music library is converting from LPs to CDs and to computer storage. Vatican Radio is celebrating its 60th birthday this year. Vatican Radio now broadcasts in 34 different languages using 4 x 500 kw transmitters for 337 transmitter hours per month.

Two new transmitters are from ASEA-Brown Boveri's Swiss division, and can transmit both DSB and SSB. Two Telefunken transmitters feed rotating Telefunken multi-band antennas; one is equipped for SSB. One rotating antenna has been in service since 1980, the other since 1988. The newer antenna is 106 meters high and weighs 600 tons. It rests on a traverse 87 meters long which rotates on a monorail, and will turn through 360 degrees in less than six minutes. The frequency range is 6 to 21 MHz. Vatican Radio has a staff of over 200 journalists from 44 different nations, and 150 technicians. One regular assignment is coverage of the Pope's apostolic pilgrimages abroad. (RDXC 9/1/91 via Mike Fern)

*Vatican Radio* began using new frequencies to Asia on 9/1. The new frequencies are: 1230-1455 on 9600 and 15105 kHz; from 2130-2355 on on 7305 and 11830 kHz. The languages used are JJ, CC, EE and Vietnamese. Reception varies from fair to poor; 11830 is best. (Yoshiaki Hayashi, RDXC 9/15 via Mike Fern)

**YUGOSLAVIA - Croatia** *Croatian Radio* in Zagreb now has two SW channels operating 24H on 7240 and 9830 kHz. These appear to be located inside Croatia; Zagreb radio announced the frequencies on 8/28. EE has not been heard so far. (Richard Measham, BBCM, on RNMN 8/29 via Mike Fern)

**CLANDESTINE -CUBA** A new anti-Castro station has appeared in the 40m amateur band. It IDs as "La Voz de la Federacion Mundial de Expresos a Politico de Cubanos" (Federation of former Cuban Political Prisoners); first heard 8/20 on 7080v kHz. from \*0030-0100\*. Programming is all SS but pro-Boris Yeltsin. Director is Rolando Pizarro (sp?). The xmtr is believed to be ham gear in or near Miami. Pizarro is a real person and a former Cuban political prisoner. (JM and Terry Krueger, Clearwater FL, on RNMN 8/29 via Mike Fern)

- **IRAQ - Radio of the Republic of Iraq** noted 9/12 on 17950, 15600 & 9570 at 0256-0519. Closed with announcement that it would return at 1100 GMT on 17950, 15305(?), 9570, 9995, 1053, 1179 kHz. (WBI 9/20)

*Voice of Iraqi Opposition* heard 9/2 on 17945 //15600, from 2030 in AA to 2322, but other days on 17950. (Behr)

*V. of Mojahed*, 4750 kHz, at 0240-0330; ID preceded and followed by fanfares; next night at 0130 according to sked, but 0230 xmsn shifted to 4745 to evade jammer; strong signals in Quito. (Rich McVicar, QLB on DXPL 8/31 via Mike Fern)

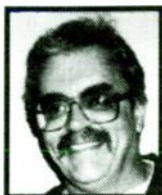
- **KASHMIR** - The *Voice of Independent Kashmir* has added a new transmitter and expanded its schedule to 4 x 45 min. transmissions daily at 0230, 1100, 1430 and 1630 on 5000 kHz. 1630-1715 is also heard on 5900 kHz. English has been added to Urdu and Kashmiri. The mailing address is P.O. Box 102, Muzaffarabad, Azad Kashmir, Pakistan. (Kanwarjit Sandhu, Ludhiana, India, on RNMN 8/29 via Mike Fern)

**MISCELLANEOUS** - Noted many errors, typos & omissions in September LN. You must have had a bad day when you edited the column. (Ernie Behr) Don't remember it being particularly bad, but if I don't remember, I guess it was. :- ) [df]

**BOOKS** - Danish Short Wave Clubs International has published a Clandestine Stations List edited by Finn Krone. Based in part on BBCM; lists stations in frequency order; under frequency by broadcast time in UTC. Separate section with all known addresses, background information on each station, schedules, ID texts and verification information when known. The June 1991 Clandestine Stations List is available for 6 IRC's surface mail or 7 IRC's air mail from: DSWCI, DK-2670 Greve, Denmark. (DXPL 8/31 via Mike Fern)

I have opinions. I sometimes express them. Any opinions I express here are mine, not those of VOA, where I work, but which I do not here represent. [df]

# QSL Reports



**Sam Barto**  
47 Prospect Place  
Bristol, CT 06010

**NOTES:** I usually don't start a QSL Column this way, but I just had to thank Chuck and Barbara Roswell for the new Trans World Radio station pennants and for the beautiful photograph of both of them. It was very nice to see who you have been talking about all these years....Sam

**RADIO K'EKCHI**  
La Vos Evangélica de las Casas

**TGVC**  
4845 kHz  
5 KW

Fray Bartolomé de las Casas  
16015 Alta Verapaz  
GUATEMALA

Radiodifusión  
Cristiana  
de  
Calidad

**ABU DHABI:** Capital Radio 13605 f/d cd. w/ schedule in 49 ds.(D'Angelo-PA).

**ALBANIA:** Radio Tirana 9580 f/d cd. w/ schedule in 85 ds.(Livingston). 6204 f/d paper cd. in 4 mo. for an older reception. Schedule rcvd.(Barto-CT).

**ALGERIA:** Radio TV Algiers 9510 f/d cd. in 68 ds. for 3 IRCs.(Comeau-MA).

**ANTIGUA:** Deutsche Welle 6040 f/d cd. in 46 ds. for 2 IRCs.(Comeau). same in 25 ds.(Hazzard-PA). 6160 and 9670 f/d cds. in 31 ds.(Darling-PNG). (Lare-MI).

**ARMENIA:** Radio Moscow 21565 via Yerevan f/d cd. in 74 ds.

**ASIATIC RUSSIA:** Radio Moscow 15180 via Komsomolsk-on-Amur f/d "Cosmos Hotel" cd. in 50 ds.(Stephens-AL). 15405 via

Petropavlovsk-Kamchatsky f/d cd. in 74 ds.(Lare). 21690

via Vladivostok cd. in 74 ds.(Lare). 9875 via Kenga f/d cd. in 74 ds.(Lare-MI). 17655 via Blaqoveschensk f/d cd. in 74

ds.(Lare). 11695 and 15130 via Chita f/d cd. in 74 ds.(Lare-\*

MI). Radio DVR (Radio Far East Russia) 5965 cd. w/ ltr. in 110 ds. Addr: P.O. Box 158, Khabarovsk 21, USSR 680021. v/s Alexander V. Filimonenko, Musical Director.(Darling-PNG).

**AUSTRALIA:** VLK Radio Australia 21775 via Carnarvon p/d "Wilderness Society" cd. w/ f/d ltr. and schedule in 4 mo.(Barto-CT).

17630 f/d ltr. in 29 ds.(Hazzard). VL8T 2325 via Tennant Creek f/d "Map" cd. in 58 ds.(Stephens-AL). VLW6 6140 f/d cd. w/ stick-

ers in 14 ds. for 1 IRC.(Hazzard). VNG 16000 f/d paper cd. in 1 mo. for their first day of operation for 2 IRCs. v/s Marion Leiba.(Krepp-

MA). 8638 and 12984 f/d cd. in 1 mo. for first day of operation. same v/s as above.(Krepp). Royal Australian Naval Communications Station

12984 p/d ltr. in 2 1/2 mo. My 20th time station. v/s Steve Dik.(Lare-MI).

**AUSTRIA:** Radio Austria International 13730 f/d cd. w/ schedule in 51 ds.(Nagengast-MN).

**BELGIUM:** BRT International 13720 f/d "Statue of Brabo in Antwerp" in 120 ds. w/ schedule.(Livingston).

**BONAIRE:** Trans World Radio 9535 and 11930 f/d "Pasanggrahan" cd. in 1 mo. w/ station pennant.(Millard-TX).

**Radio Nederland**  
6165 f/d cd. in 15 ds.(Galgano-NY). 15560 f/d

cd. in 2 mo. for 2 IRCs. (Krepp).

**BRASIL:** Radio Apar-

acida 5035 f/d cd. in 1 mo. for a PT rpt. and 2

IRCs.(Wallace-CT).

**BURKINA FASO:** Radio

TV Burkina 4815 p/d ltr. in 7 mo

for a FR rpt. & ms. v/s Raphael

L. Onadia.(Krepp-MA).

## QSL Verification

Radio Republik Indonesia Jambi

Kepada Yth. Tuan Steven R. Lare

Ini membenarkan laporan tuan dari Radio Republik Indonesia siaran pda gelombang 60,88 meter atau frekwensi 4,927 kHz., pada 11-3 19 90 dari 18,58 sampai 19,17 waktu Indonesia Bagian Barat pemancar kuasa studio kami 72 kw. dengar dipole 3 wire antena.

Banyak terima kasih untuk laporan tuan.

Drs. Haji Ali Amran.

Pimpinan atau Kepala Studio



Stasiun Cap

**VOICE OF NIGERIA**P. M. B. 4003 PALOANO  
IKOVI, LAOS, NIGERIA

23rd December 1990  
 Thank you for your report of 29th Nov  
 1990 at 22.36 on CMT  
 I have pleasure in confirming that the  
 transmission was from LAGOS  
 frequency was 332.6 kHz

Mr. binimo M. Hosmer  
P.O. Box 1193  
DEARBORN MICHIGAN 48124-1193  
U.S.A.

**BULGARIA:** Radio Sofia 11720 f/d  
 cd. w/ schedule and rpt. forms  
 in 114 ds. (Nagengast-MN). 9700  
 and 11720 f/d cd. w/ schedule  
 in 3 mo. (Barto-CT).

**BYELORUSSIA:** Radio Moscow 15480  
 via Orsha f/d cd. in 74 ds.  
 (Lare-MI).

**CAMEROON:** CRTV Garoua 5010 p/d  
 personal ltr. in FR from v/s  
 Mr. Kadeche Manguelle in 8 mo.  
 for a FR rpt. and ms. (Hosmer-  
 MI). 4850 via Yaounde f/d ltr.

**PIRATE MAILDROP:** A real despicable character dressed in a black hat with a skull and crossbones recently visited my shack. He said that until further notice the following pirate stations can use this address for a maildrop: P.O. Box 605, Huntsville, AL 35804. The stations include The Alliance for Free Radio, KUSA - Radio Wisconsin, The Voice of Gilligan, and KICK...If I didn't print this I'd have my timbers shivered.

in 25 ds. on my third try for a \$1.00 donation to CATHCA. v/s James Achanyi-Fontem. (Hazzard-PA).

**CANADA:** CFRX 6070 f/d cd. w/ schedule in 144 ds. (Nagengast-MN). p/d cd. w/ schedule in 5 mo. (Cipriano-NJ).

**CHAD:** Radiodiffusion Nationale Tchadienne  
 4905 p/d ltr. w/ sticker in 9 mo. for a FR  
 rpt. and ms. (Krepp-MA). p/d form ltr. in  
 14 mo. for a FR rpt. and ms. (Mancine-OH).

**CHINA, PEOPLES REPUBLIC OF:** Radio Beijing  
 17705 f/d cd. in 41 ds. w/ paper cuts and  
 sticker. (Levison-PA). 11600 via Jinhua f/d  
 cd. in 28 ds. (Hazzard-PA).

**CLANDESTINE:** La Voz del CID 9941 "Logo" cd. in  
 7 mo. for ms. (Millard-TX).

**COSTA RICA:** Radio for Peace International 7375  
 f/d cd. w/ ltr. in 4 mo. for \$1.00. This was for the reception of the  
 special narrow-band FM test transmission. v/s James Latham. (Krepp-MA).  
 15030 f/d cd. in 17 ds. w/ schedule. (Livingston).

**CUBA:** Radio Moscow 11710 via Habana f/d cd. in 38 ds. (Prisco-PA). 9720  
 f/d cd. in 74 ds. (Lare-MI).

**CZECHOSLOVAKIA:** Radio Prague International 21705 and 17840 cds. w/ sched-  
 ule in 40 ds. (Darling-PNG). 5930 f/d cd. w/ schedule in  
 44 ds. for 1 IRC. (Cipriano-NJ).

**DUBAI:** UAE Radio 11945 f/d cd. in 47 ds. w/ paper pennant  
 and schedule for ms. v/s K.F. Kenner. (Cipriano-NJ).

**ECUADOR:** HD210A 7600 f/d cd. in 29 ds. for a SP rpt. and  
 ms. v/s Faust Lopez Villegas, Capitan de  
 Corbeta. (Hazzard-PA).  
 f/d cd. w/ schedule,  
 sticker, personal ltr.  
 and a small flag in  
 85 ds. for a SP rpt.  
 (Livingston). same in  
 7 mo. for a SP rpt.  
 and ms. Pennant rcvd.  
 v/s Victor Lopez Val-  
 arezo. (Krepp-MA). f/d  
 cd. w/ ltr. and stick-  
 ers, info. brochure &  
 station pennant in 2 1/2  
 yrs. for 1 IRC. (Krepp).  
Radio Luz y Vida 4850  
 p/d ltr. full of good-  
 ies in 11 mo. for a SP  
 rpt. and SASE. (Hazzard)

We verify your reception report  
 of Radio Grodno  
 Date: 15/02/1990  
 Time: 04.00 - 04.07 UTC  
 Frequency: 7140 / 5945 kHz  
 Sincerely  
 Radio Minsk

Dear Mr Orcutt

Thank you for your reception report dated 11th October 1990.  
 I can confirm your record of our transmission, which was as shown  
 in your letter.

This station is the latest addition to the SBC's group of  
 relay's around the world. It started transmission on the 25th  
 September 1988, the service area is from Ethiopia in the north, to  
 Mozambique in Southern Africa.

You may be interested in some technical details about the  
 station.

Transmitter - 2 Marconi 2500W with fully Automatic tuning  
 and remote control.

Programme Feed - Via Intelsat V from London, 10 metre dish  
 and Earth Station on site.

Antennas - 4 Marconi wide Band Arrays each covering 4 short  
 wave broadcast bands.

Feeders - Rubber Netal 9 inch coax.

Best Wishes.

*Steve White*  
 f

Peter J. Lownday  
 SENIOR\_TRANSMITTER\_MANAGER

**NOTES:** Paul Cipriano Jr. says he has been active in SWBC since 1983 but he has only recently become a member of NASWA. He is looking forward to the winter DX season and he plans to bag his fair share of DX...Sam. James Calcano painfully tells us that he has just left for a vacation with his girlfriend; however, she will not allow him to bring along his radio. Golly gee - I'd have to do some very serious thinking about that, i.e. which one is more fun, which one will give you more excitement, etc. Tough choice! Gordon Darling sent in a very interesting letter from Alexander Filimonenko, musical director for "DVR" radio in Vladivostok. I wish I could reproduce it here as it gives there complete schedule and program content. Thanks for the info Gordon...Sam.

**ECUADOR:** HCJB 9745 f/d "Hydro Plant" cd. in 1 mo. w/ pennant. v/s G. Volkhardt.(Millard-TX). in 4 wks. w/ 60th Anniversary pennant for \$1.00. (Kohlbreuner-PA). f/d "Cayambe Call In" cd. in 2 wks.(MacHarg). Radio Catolica Nacional 5030 n/d ltr. w/ sticker in 5 mo. for a SP rpt. and ms. v/s John Siguenza, Director Adjunto.(Krepp-MA). Radio Jesus del Gran Poder 5050 f/d prepared cd. w/ pennant in 9 wks. for a SP rpt. and ms. (Krepp-MA). Radio Zarzacy 3395 p/d ltr. w/ pennant in 6 wks. for a SP rpt. and ms.(Krepp-MA).

**EGYPT:** Radio Cairo 9475 f/d cd. in 66 ds. w/ schedule for 1 IRC.(Cipriano-NJ).

**ENGLAND:** BFBS 13745 p/d "Gulf" cd. in 11 mo. after 2 f/up rpts. v/s Richard Astbury, Station Manager.(Stephens-AL).

**EUROPEAN RUSSIA (Russian Republic?):** Radio Murmansk 5930 f/d ltr. in 117 ds. v/s Perederi D.V. (Swedberg). Radio Moscow 11690, 15150, 9720 and 7170 via Moscow f/d cd. in 74 ds.(Lare-NJ). 15460 via Leningrad f/d cd. in 74 ds.(Lare).

When will we see Saint Petersburg on QSL?

**SPECIAL OFFER:** Two months ago we made a special offer on an accumulation of postage stamps that you could use as gifts and/or enclosures with your reception reports. The response was so good that I am willing to offer it once again with a little extra.

A total of 250 commemoratives and 350 definitives for only \$5.25 in the US and Canada.

Overseas would be \$6.50 total. That

is less than .01 per stamp and enough variety to fill a dozen reception reports with 50 stamps each or 24 reports with 25 stamps each - whatever you desire. You just can't beat it. Double orders would be \$10.00 in the US/Canada and \$12.00 overseas. Place your order with your NASWA QSL Editor.....Sam.

**EUROPEAN RUSSIA:** Radio Moscow 17835 and 9740 via Zhigulyovsk f/d cd. in 74 ds. (Lare). 11870 via Arnavir f/d cd. in 74 ds.(Lare). 17600 and 17665 via Tula f/d cd. in 74 ds.(Lare-MI). 15465 via Kingisepp f/d cd. in 74 ds.(Lare). 11850 via Ryazan f/d cd. in 74 ds.(Lare-MI).

**GABON:** Africa No. One 15475 f/d ltr. in 30 mo. for 3 IRCs.(Krepp-MA).

**GEORGIA:** Radio Moscow 21725 via Tbilisi f/d cd. in 74 ds. (Lare). 11780 f/d cd. w/ personal ltr. in 45 ds. v/s Mrs. Tanya Lavrova.(Field-PA).

**GERMANY:** Sddeutscher Rundfunk 6030 f/d "Funkhaus Stuttgart" cd. in 85 ds. for ms.(Stephens-AL). Sender Fries Berlin 6190 f/d cd. w/ lots of stickers and a 72 page international broadcasters frequency booklet in 36 ds. for a taped rpt. and ms (Stephens-AL).

Radio Kiev logo with a cartoon character. Below it, a list of frequencies:

- 10 25 31 41 49 241 300
- 15 00 - 18 00
- 20 00 - 21 00
- 17 00 - 18 00
- 18 00 - 19 30
- 21 00 - 22 30
- 19 00 - 20 00
- 22 00 - 22 30

Radio Kiev logo with 'KIEV' and 'KIEV' text.

Radio Independencia logo. It features a radio tower with a signal wave. The text 'CX50' is at the top, 'RADIO INDEPENDENCIA' is in the middle, and 'MONTEVIDEO' is at the bottom.

Radio Luz y Vida logo. It features a lightbulb with rays of light. The text 'Radio LUZ Y VIDA' is at the top, '1967' and '1972' are on the sides, and 'AL Servicio de Dios La Palabra y La Cultura' is at the bottom.

**VOICE OF NIGERIA**  
THE EXTERNAL SERVICE OF THE FEDERAL RADIO CORPORATION  
OF NIGERIA  
BROADCASTING HOUSE, LAGOS

2322 December 1973  
Thank you for your report of 29th Nov  
1973 at 22.34 hrs. in G.M.T.  
I have pleasure in confirming that the  
communication was from our Lagos  
transmitter on 3326 kHz  
Federal  
Radio Engineers  
Lagos  
Lagos Record & Development

Mr. Donald M. Holmes  
P.O. Box 1193  
Dunstable, Bedfordshire, UK  
U.S.A.

**GERMANY: Deutsche Welle** 11865 via  
**Julich** f/d "Map" cd. in 64 ds.  
for 1 IRC. (Weber). 21650, 21600,  
and 9700 cds. w/ pennant in 31  
ds. (Darling). 15205, 13790 and  
13770 via **Konigsusterhausen**  
cds. in 29 ds. (Darling). 13610  
via **Leipzig** cd. in 33 ds. (Dar-  
ling-PNG). 21680, 17780 and 11705  
via **Werthechtal** cds. in 1 mo. (Dar-  
ling-PNG).

**GREECE: Radiostathos Makedonias**  
11595 f/d "Map/Logo" folder cd.  
w/ sticker and schedule in 85

ds. for ms. v/s Tassos A. Glias, Telecommunications Engineer. (Step-  
**GUM: KTRW** 11650 f/d cd. in 21 ds. w/ schedule. (Livingston) hens-AL).  
**HAWAII: WVVH** 10000 f/d "Outrigger" cd. in 16 ds. for 1 IRC. (Comeau-MA).  
**HOLLAND: Radio Tower** 15050 f/d "Logo" cd. in 4 wks. for \$1.00. v/s Peter  
de Jung. (Kohlbreuner-PA). **Radio Nederland** 6020 f/d cd. w/ calendar in  
32 ds. Schedule was rcvd. (Nagengast-MN).  
**HONG KONG: BBC** 21715 f/d cd. in 28 ds. for \$1.00. (Nagengast-MN). 7180  
f/d "Chinese Junka" cd. in 21 ds. on my 3rd try w/ ms. Thanks to Rich  
D'Angelo for address on this one! (Stephens-AL).  
**HUNGARY: Radio Budapest** 11910 f/d cd. in 48 ds. (Levison-PA). (Swedberg).  
**ICELAND: ISBS** 9268 f/d "New Center of Reykjavik" cd. in 17 ds. for \$1.00.  
**INDIA: All India Radio** 3255 via **Shillong** f/d "Old Fort at Delhi"  
\* cd. w/ sticker in 2 mo. (Barto-CT). 15265 via **Bangalore**  
cd. w/ schedule in 460 ds. (Darling-PNG).

**IRAN: Voice of the Islamic Republic of**  
**Iran** 9022 p/d "Khomeini" cd. w/ sched-  
ule, magazine and booklet in 85 ds. for  
1 IRC. (Cipriano-NJ).

**IRELAND: Radio Fax** 12255 f/d cd.  
w/ station info. in 10 ds. for  
\$1.00. v/s Trevor Brook. (D'Ang-  
elo-PA).

**ISRAEL: Kol Israel** 9435 f/d cd. w/  
schedule in 54 ds. for 1 IRC.  
(Cipriano-NJ).

**JAPAN: Radio Japan** 9675 n/d cd.  
in 9 wks. (Barto-CT). 9505,  
15310 and 11815 n/d "Tanabata  
Festival" cd. w/ schedule in 3  
mo. (Barto-CT).

**JAVA: RRI Jakarta** 9680 p/d cd. w/ ltr.  
in 8 mo. after a f/up rpt. (Hazzard-PA).

**KENYA: Voice of Kenya** 4934 f/d aerogram ltr. in 2½  
yrs. for \$1.00. v/s Amos Waveru, Chief Engineer.  
(Eckert-PA). same in 54 ds. for ms. (not used) (Prisco)

**KOREA, PEOPLES DEMOCRATIC REPUBLIC: Radio Pyongyang** 11735  
f/d cd. w/ personal ltr. and a hardcover book in only  
(now get this!!!) 10 ds. The rpt. was mailed and rcvd.  
in Germany. (Hazzard-PA).

**KOREA, REPUBLIC OF: Radio Korea** 15575 f/d "Temple Windbell"  
cd. w/ schedule in 40 ds. (Nagengast). 11665, 12090 and  
9870 n/d "Sai-pu-li Dance" cd. in 2 mo. (Barto-CT).

**LUXEMBOURG: Radio Luxembourg** 15350 f/d cd. in 12 ds. w/ post-  
cards and stickers for 2 IRCs. (Comeau-MA).

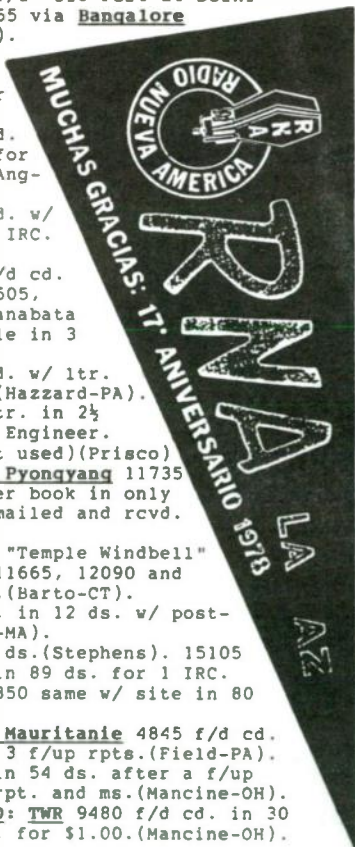
**MALTA: Deutsche Welle** 11865 f/d cd. in 52 ds. (Stephens). 15105  
f/d "Map" cd. in 89 ds. for 1 IRC.  
(Weber-OH). 15350 same w/ site in 80  
ds. (MacHarg).



**MAURITANIA: Radio Mauritanie** 4845 f/d cd.  
\* in 3 mo. after 3 f/up rpts. (Field-PA).  
f/d "Map" cd. in 54 ds. after a f/up  
rpt. for a FR rpt. and ms. (Mancine-OH).

**MONACO: TWR** 9480 f/d cd. in 30  
ds. for \$1.00. (Mancine-OH).

**VOICE OF NIGERIA**



*Thanks for your reception report. (1 test class!)*

To Roland Dieterich  
 via eigener Sender ( ca. 15 Watt <sup>Halleweller -</sup>  
 date 16.12.1990 <sup>Dipl.</sup>  
 nr 0939 - 1010  
 freq 7495 khz  
 mode 23737  
 eq Sony ICF 2001 D  
 ant. Teleskopantenne

**NEW BRITAIN: Radio East New**

**Britain** 3385 f/d cd. in 8 yrs! for 2 IRCs. No f/up rpt! Good thing I still live in the same place. (Svedberg)...Better then getting it posthumously!

**NEW GUINEA TERRITORY: Radio**

**Madang** 3260 f/d ltr. in 8 mo. for ms. v/s D. Boaging, Station Manager. (Kohlbrunner-PA).

**NEW ZEALAND: Radio New Zealand International**

**9700** p/d cd. w/ schedule, tiki and pennant in 19 ds. for 3 IRCs. (Cipriano-NJ).

**NIGERIA: Voice of Nigeria** 4770 via **Kaduna** f/d ltr. in 4½ mo. for ms. (Wallace-CT). **Radio Nigeria** 4770 via **Kaduna** f/d ltr. in 6 mo. for ms. v/s Yusuf Garba. (Krepp-MA). **PRCN** 4770 via **Kaduna** f/d ltr. in 3½ mo. for 2 IRCs. (Dieterich-GER)...Guess this station utilizes several different types of IDs or else relays several programs...Sam.

**NORTHERN IRELAND: Northern Ireland Relay Service** 6272.4 f/d "Downhill \* Gardens" cd. in 5 mo. for \$1.00. (Hosmer-MI). 6273 f/d cd. w/ station info. in 5 mo. for \$1.00. (Prisco-PA).

**OMAN: BBC** 7125 f/d sheet in 46 ds. after 4 f/up rpts. for ms. v/s David Bones, Senior Transmitter Engineer. (Stephens). 15310 f/d ltr. in 46 ds. for \$1.00. (Millard-TX).

**PERU: Radio Atlantida** 4790 f/d ltr. in 13 mo. for a SP rpt. and 1 IRC. (Wallace-CT). **Radio Precuencia Lider** 4418 p/d "Certificado de Escucha" w/ a long personal ltr. in 7 mo. for a SP rpt. v/s Valentin Peralta Diaz, Gerente and Proprietario. (MacHarg-ECUADOR).

**PHILIPPINES: FEBC Radio International** 11685 f/d cd. w/ schedule in 85 ds. w/ personal ltr. from Mrs. Sanda Lum, Secretary. (Livingston). **VOA** 9760 **Poro/Tinang** f/d cd. in 90 ds. (Livingston).

**RWANDA: Deutsche Welle** 7225 via **Kigali** f/d "Map" cd. in 48 ds. (Stephens-AL). 17860 same in 64 ds. for 1 IRC. (Weber-OH).

**SARAWAK: Radio TV Malaysia - Sibü** 5005 form ltr. in 434 ds. after 1 f/up \* rpt. for ms. Address on letterhead: Clement Stia (for) Divisional Controller, Broadcasting Department, Jabatan Penyiaran, Bangunan Penyiaran, 96009 Sibü, Sarawak. (Hardester-NC).

**SICILY: Radio Uno** 9515 f/d "Test Pattern" cd. in 47 ds. (Stephens). **RAI** 9515 f/d cd. in 193 ds. (Svedberg).

Wir bestätigen dankend Ihren Empfangsbericht  
 We acknowledge with thanks your reception report  
 vom 24. 11. über unseren UKW/KW/MW-Sender  
 dated on our FM/short/medium wave  
 auf der Frequenz **6005 kHz**  
 transmitter on the frequency  
 Wir würden uns freuen wieder von Ihnen zu hören  
 We would be pleased to receive further reports  
 und wünschen Ihnen weiterhin einen guten Empfang  
 from you and wish you good reception of our  
 unserer Sendungen **via Dieterich**  
 programs



自由中国之声  
 Voice of Free China

11月10日  
 11月10日  
 11月10日

ROLAND DIETERICH  
 GEISENSTR 1  
 D-5400 KOBLENZ 33  
 (WEST) GERMANY

Ching Dynasty

**SOLOMON ISLANDS: Solomon Islands Broadcasting Corporation** 5020 f/d cd. in 5 mo. for ms. v/s George Tora, Chief Engineer. (Krepp-MA).

**SPAIN: Radio Exterior de Espana** 9630 f/d "Sevilla" cd. in 76 ds. w/ schedule. (Livingston).

**SRI LANKA: VOA** f/d cd. w/ schedule in 84 ds. (Stephens). **SLBC** 11835 f/d cd. in 18 mo. after 2 f/up rpts. by registered mail for ms. (Mancine-OH).

**SRI LANKA: Radio Japan** 15345 via **Ekala** f/d cd. in 4 mo. for 3 IRCs. v/s Kintoshi Hishikawa. (Krepp-MA).

**SYRIA: Syrian Arab Republic Broadcasting Service** 12085 f/d "Map" cd. w/ a copy of the "Syrian Times" via registered mail in 150 ds. v/s Mr. Afaf, Director General. (Cipriano-NJ). f/d cd. in 4 mo. for 1 IRC. (Dieterich-GER). 12085 and 15095 f/d cd. in 90 ds. (Levison-PA).

**TAHITI: RFO Papeete** 15171 f/d cd. in 14 mo. for a FR rpt. and ms. This after a f/up rpt. (Krepp). 11827 f/d cd. in 2 mo. for a FR rpt. and 3 IRCs. (Krepp). 15170 f/d cd. w/ stickers in 28 ds. for 1 IRC. (Hazzard-PA).

**TANGIER: Radiodiffusion Television Marocaine** 17595 f/d cd. in 20 mo. for ms. after 2 f/up rpts. v/s Tanane Muhammad Jamal Eddine. (Krepp).

**THAILAND: Radio Thailand** 9655 f/d cd. w/ ltr. in 1 mo. on my 2nd f/up rpt. for 2 IRCs. v/s Bubpa Laemluang, Chief of External Services. (Hazzard-PA).

**TURKEY: Voice of Turkey** 9445 f/d "Vase" cd. w/ schedule and stickers in 34 ds. for 1 IRC. (Cipriano-NJ).

**UKRAINE: Radio Moscow** 15315 via **Ivano-Frankovsk** f/d "Arbat Square" cd. in 38 ds. (Prisco)

This QSL was postmarked 19-9-91 the day of the coup. Not everybody was with Boris at the White House. Hi! I received it on the 24th. That's 5 days later. It takes me longer to get a letter across Town! 15500 and 15475 via **Vinnitsa** f/d cds. in 38 ds. (Prisco-PA).

**USA: KTBW** 15590 f/d cd. in 27 ds. for ms. (Pennisi-NJ). **Voice of Free China** 5950 via **WYFE** f/d "Art" cd. in 25 ds. w/ schedule and station sticker. (Levison-PA). **KVOH** 17775 personal ltr. in 30 ds. from on-air personality Mr. David Parish. (Livingston). **KGEI** 15280 f/d cd. w/ pennant, station info., report forms, postcard, etc. in 75 ds. (Mayberry). f/d cd. in 30 ds. w/ schedule. v/s Jesus C. Elizondo. (Livingston). **Radio New York International** 7520 via **WWCR** f/d cd. in 3 mo. for ms.

(Kohlbrener-PA). **WWCR** 7520 n/d cd. w/ schedule in 230 ds. for \$1.00. (Nagengast-MN). **WHRI** 13760 f/d cd. w/ schedule and report forms in 217 ds. for \$1.00. (Nagengast-MN). **Radio Free New York** 7435 via **WWCR** large f/d cd. in 7 ds. v/s Hank Hayes. Rcvd. a QSL kit of former pirate stations. (Livingston). **Radio Marti** 11930 via **VOA** f/d "Jose Marti Photo" cd. in 46 ds. w/ schedule. Also rcvd. a personal ltr. from Mike Pallone, Director of Technical Operations. (Livingston).

RADIO

Código Moria OAXEZ 1430 khs  
Unidad Corta OAXEN 8180 khs.  
Banda 46 a 8 Mc.

ORIENTE

S. C. R. Ltda.  
Estudios Av. Progreso 112  
Teléfono 3186  
Yaguajay - Luroto

Yaguajay, 14 de marzo de 1990

SEÑOR:

RICHARD A. D' AMICO

ESTADOS UNIDOS DE AMERICA.

Muy señor muestre:

Tengo el más agrado de dirigirme a Ud. para comunicarle que después de leer su carta muy hermosa y alegre sobre el contestación a la semana haberle llegar vi más pronto de agradecimiento y reconocimiento a la audiencia que no presta en su país.

Esperando que esta carta pueda llegar a su mano, no tiene mucho gusto tener conocimiento de la recepción que están seguros para el principio de nuestra relación fraternal y amistosa.

Aprovecho esta oportunidad para remitirle un bendecir no estúpido pero sí de un profundo amor de amistad.

Con éxito a su persona desde muy atentamente por Radio Oriente S.C.R.Ltda.

RADIO ORIENTE

Prof. RICARDO SANCHEZ F. BREA  
DIRECTOR GENERAL

YSSS- Radio Nacido

San Salvador, El Salvador

Gordon W. Darling

10, Venterly Drive,

Coverham Park

Reading, HMA GXP

Great Britain

QSL

Recibí en esta cas fecha 27/3/91, en lo que me comunion que nos recibí en 9.555 Hz, la cual es correcto

Atentamente,

RICARDO SANCHEZ F. BREA

DIRECTOR

25c

25c

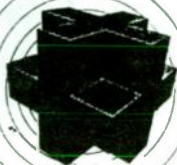
reporte.

Playa La Victoria  
Departamento de San Miguel  
El Salvador.



**+RCBS**

Red Cross Broadcasting Service



via Mike Fern

**USA (Pirates): Tube Radio** 7415 f/d "More Than Just a Pretty Face" QSL cd. in 35 ds. for SASE & 3 ms. Use BRS address. (Comeau-MA). f/d cd. in 1 mo. for ms. and \$1.00. (Wallace-CT). **RPM** 7390 f/d cd. w/ a short personal ltr. in 9 ds. for 3 ms. v/s H.V. Short. (D'Angelo-PA). **WORK** 7412 f/d "Beer-Vat" cd. in 16 ds. for SASE. (Comeau-MA). 7415 f/d cd. of "Old Work Production Studios" in 19 ds. Wellsville addr. (Stephens-AL). **WYMN** 7410 p/d "Woman w/ Voilin" sheet in 5 mo. for a f/up rpt. to Wellsville. (Stephens). **Radio BLANDX** 15044 p/d ltr. w/ official "DX Condom" stapled to ltr. [guess this QSL is no good:] All in 71 ds. for an SASE to the BRS Address. (Comeau). 7410.5 f/d red "BLANDX Condom" w/ f/d statement in 23 ds. (Zeller-OH). **Great Atlantic Radio Conspiracy** n/d ltr. says this is a program service recorded at WTMD, Towson State University. Pirate relays are from Radio USA. **Radio USA** 7410 f/d cd. in 6 wks. for ms. (Kohlbrenner-PA). 7415 f/d cd. w/ info. sheet in 50 ds. v/s Mr: Blue Sky. (Stephens-AL). **United World Radio** 7415 f/d "Globe" cd. in 134 ds. for a rpt. to the Wellsville address. (Stephens-AL).

**He-Man Radio** 7417 f/d cd. in 61 ds. for a rpt. to the BRS addr. (Stephens-AL). **East Coast Beer Drinker** 7415 f/d sheet in 58 ds. for a rpt. to the BRS addr. (Stephens). **Radio BLANDX** 15043 p/d sheet in 74 ds. for a rpt. to the BRS addr. v/s Glenn Hauser on the DX Condom. (Stephens) Only in America, folks... Sam. **K2KTS** 7415 **Kingfish Transportation Service** via **Harlem** p/d "Cocaine Taxi" cd. in 3 wks. for ms. v/s Ruby B. Brown. (Name?)... I dood it. I was a bad boy. I just had to put this in the Column. Hi!

**VENEZUELA: Radio Nacional** 9540 f/d cd. w/ schedule and stickers in 25 ds. for 2 IRCs. (Mancine). "Logo" cd. w/ personal ltr. in 26 ds. for an EG rpt. v/s Martin Delfin. QSL was posted from San Antonio, TX. (D'Angelo). **Radio Rumbos** 4970 f/d cd. in 16 mo. for a SP rpt. and ms. This was on my 3rd try. (Hazzard-PA).

**VIETNAM: Voice of Vietnam** f/d cd. w/ schedule and New Years cd. in 170 ds. (MacHarg).

**EMISSORA DA GUINÉ PORTUGUESA**  
**Q. S. L.**

CONFIRMAÇÃO OFICIAL DE RECEÇÃO  
VERIFICATION OFFICIELLE DE RECEPTION  
OFFICIAL VERIFICATION OF RECEPTION

Ào Excm. Sr.  
To Mr.

S. KLICK

U. S. A.

Agradecemos a confirmação de recepção e a sua informação.  
We appreciate the confirmation of reception and your information.

De acordo da nossa carta de dia

As per the terms of our letter of  
Concording our broadcasting of

Às frequências de  
On the frequencies of  
In the frequency of

7.4 / 1966

5.081 Ecs.

7.4 / 1966  
5.081 Ecs.

6.11.1966

Dear Mr. Prof. G. Michael Walsh

This Card verifies your reception of:

Syrian Arab Republic Broadcasting Service

On August 25, 1964

At 21.10 - 21.20 GMT

Frequency 12686 Kc - Damascus, SYRIA

Power 500 KW

Thank you

Director General  
of  
Broadcasting & Television

*Alak*

**YUGOSLAVIA: Radio Jugoslavija** 11735 f/d "Hotel/Park" cd. in 66 ds. for \$1.00. (Galgano-NY). f/d cd. w/ pennant and schedule in 10 mo. after 3 tries for \$1.00. (Nibecker-MEX). 9620 f/d cd. w/ personal ltr. and a pennant in 4 mo. for \$1.00. (Millard-TX). **Radio Novi Sad** 11735 f/d cd. w/ site in 9 wks. (Barto-CT).

Till next time, best of DXing and keep out of those taxi cabs... Sam.

*Sam*



# Contributors' Page

Vernon Hyson  
9835 Lone Eagle Lane  
Charlotte, NC 28215



## LOGGINGS CONTRIBUTORS - OCTOBER 1991 - DEADLINE 10th of MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA	
Jerry BERG, Lexington, MA	HQ180A R39A 150' LW
Brian BOULDEN, Fairfield, CA	RK641
Bob BROWN, Lansdale, PA	NRD525 80 Meter Vertical, G5RV Inverted Vec
John CARSON, Norman, OK	NRD525 NC183D AD Sloper 500' Beverage
Ross COMEAU, Andover, MA	
Kurt COX, Leaburg, OR	DX440 SX190 60m Dipole
Patrick CRUMHORN, Austin, TX	NRD525 MFJ16010 Random LW
Richard D'ANGELO, Wyomissing, PA	R70 AD Sloper
Peter DILLON, Brevard, NC	DX440
William FLYNN, Cave Junction, OR	R2000 R7A 140' LW 85' Dipole 360' Random
Bill FREELAND, KS	
Michael HARDESTER, Jacksonville, NC	R70 75' Random Radio West Loop
Jerry JOHNSTON, Lexington, KY	NRD525 Eavesdropper Longwire
Rufus JORDAN, Pittsburgh, PA	DX302 Transoceanic
W KARCHESKI, Holden, MA	
Bill KURRASCH, Ontario, NY	R5000 AD Sloper Longwire
Harold LEVISON, Philadelphia, PA	R70 D2999
John LYON, White Bear Lake, MN	TS940S 40m Dipole
Scott NEWMAN, Indianapolis, IN	DX440
A. W. OLIVER, Spring, TX	
Wally RHYNE, Gastonia, NC	R71A R1000 Sony 2010
Doug ROBERTSON, Oxnard, CA	DX302 FRG8800 FRA7700 Longwire
Mark SPAT, Manchester, NH	RF9 RF2200 R7000
Robert TUCKER, Savannah, GA	ATS803A
Dan UNRUH, Ellensburg, WA	R71A S107 Random
Tom WALSH, Bedford, MA	R70 Sony 2010 160m Dipole
William WENTWORTH, Paxton, MA	
Mike WOLFSON, Ashland, OH	R5000 Sony 2010 125' Longwire

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\*\*\*\*\* ADDRESS CHANGE \*\*\*\*\* Please note my new address, which I hope will remain permanent for quite a few years. Our personal property is moved, now to move the structure (one of the fringe benefits of being in the middle of the new Outerbelt Interstate for Charlotte). Please use immediately: 5410 Camp Stewart Road, Charlotte, N.C. 28215 My thanks to all who contributed loggings during the past year. The quality of your logs and warm personal comments made my job alot easier. It sure doesn't seem like a year ago, I started this on a monthly basis. Yaw! I am a great bunch!! (Blistered Southerness, not yet an official NASWA language)...

# Tropical Band Loggings

Sheryl Paszkiewicz  
1015 Green Street  
Manitowoc, WI 54220



This was an exciting column to prepare - lots of excellent material from you people. A special welcome to our new contributors and to all of our faithful contributors in case I don't have room to thank you all individually. Special features by BILL FLYNN and DOUG ROBERTSON and more. Will save till next month whatever doesn't fit.

- 2410 NEW GUINEA, R. Enga, 8/28, 1047 tlc, island mx, fading by 1100 (Johnston-KY)
- 3205 NEW GUINEA, R. West Sepik, 8/13, 1230-1300 pop mx, lcl nx 1245, 1315 ID in PD, SIO=252 (Cox-OR) Welcome back--sp.
- 3215 SULAWESI, RRI Manado, 7/31, 1257-1315 mx, 1300 nx by YL drama pgm 1315, SIO=444 (Cox-OR)
- 3220 ECUADOR, HCJB, 9/2, 1023 in Quechua, long tlc, folk guitar mx, more tlc, good. (Lyon-MN)
- 3235 NEW BRITAIN, R. West New Britain, 8/24, 1100 EG ID, 50s mx, very good (Lyon-MN) 7/29, 1230 drumming & choral mx, PD tlks, SIO=353 (Cox-OR)
- 3240 SWAZILAND, TWR, 8/22, 0336-0345\* in lang w/rel tlc, chorus, ID, s/off anmts, music box IS, SIO=242 (D'Angelo-PA)
- 3260 NEW GUINEA, R. Madang, 8/24, 1111 top hits countdown, ID, tlc by M, very good (Lyon-MN)
- 3285t BRAZIL, R. Sentinela da Amazonia, 8/22, 0908 ads, tlc by M, only 1 kW (Johnston-KY)
- 3290 NAMIBIA, RSWA, 8/22, 0338-0415 EG/AK 4 Sinatra songs, oldies, 0400 ID, "R. South West Africa," short anthem nx, ad string, SIO=242 (D'Angelo-PA)
- 3295 ICELAND, Rikisutvarpid, 9/16, 0354-0435 //9265 variety of pop/rock, 0430 ID, weak but perfectly audible (Brown-PA)
- 3300 GUATEMALA, R. Cultural, 8/27, 0117-0200 class & operatic mx, some from Carmen, sev IDs, nx 0140 (Jordan-PA) 1115 rel pgm, SIO=454 (Cox-OR)
- 3306 TIMUR, RRI Dili, 8/12, 1318-1338 oldies, tlc by M, Indo rock mx. S5-7, ute QRM (Flynn-OR)
- 3315 ADMIRALTY ISLANDS, R. Manus, 7/29, 1150-1236, "Vibrations" pgm in PD--messages to listeners, variety of mx (Cox-OR)
- 3320 SOUTH AFRICA, R. Oranje, 8/29, 0005-0030 "Up Up and Away" and other vcls, SIO=333 (Kurrasch-NY) 7/15, 0027 MOR mx, ID 0035-"R. Orion," AK anmts, wx (Karcheski-MA) R. Orion, 8/19, ID 0222, EG tlc, mx (Walsh-MA)
- 3366 CUBA, R. Rebelde, 8/28, 1122 tlc w/weird sound effects, fair, noisy, 5025 much better (Crumhorn-TX)
- 3369.9 GUATEMALA, R. Tezulutlan, 9/2, 1045 marimba mx, canned promo, ID, nx, very good (Lyon-MN) 8/28, tlc in lang mixed w/marimba mx (Crumhorn-TX)
- 3375t NEW GUINEA, R. Western Highlands, 8/28, 1104 (Johnston-KY)
- 3380 GUATEMALA, R. Chortis, 9/2, 1100 in lang s/on, ID, group vocal, tlc by M, good. (Lyon-MN)
- 3385 NEW BRITAIN, R. East New Britain, 7/30, 1120-1210 over-night pgm w/reggae, rock & lcl mx, call ins, SIO=454 (Cox)
- 3390 MEXICO, R. Fiesta, XEVHC, IDs after each song--testing? from Guerrero State, sounds like big town operation so suspect Acapulco or Taxco, 0700-0830, "Impacto Musical" slogans, do not think this is harmonic. (Newman-IN) Tnx for calling this in--sp.
- 3394.8 ECUADOR, R. Zaracay, 7/9, 0138 tlc, vcls in SP, mucho statico, SIO=222 (Kurrasch-NY) Good to hear from you--sp.
- 3395 NEW GUINEA, R. Eastern Highlands, 7/30-8/3, 1215 messages & mx in PD, SIO=353 (Cox-OR)

- 3460.1 INDONESIA, unid, strongly suspect RPDT2 Aceh Timur, hrd 9/8, peaking 2250 then drop to 2300 fade. When considered w/other Sumatrans, better day will render better audio. Probably only shot at RPD in Eastern NAM at dusk. Best on new SSE 2-wire beverage. (Clark-ON) Dave knows what he's talking about as he's an expert on propagation theory. You may have read his work in Fine Tuning's Proceedings--sp.
- 3925 JAPAN, R. Tampa 1, 8/30, 1150 tlk abt Tokyo, SIO=444 (Cox)
- 3935p NEW ZEALAND, ZLKA, Levin, 9/9, 0715 Aussie accented YL in EG, short mx, more tlk, decent sig but noisy, also weak sig on 5030 possible Tonga (Clark-ON)
- 3940 CHINA, Hubei PBS, 8/15, 1259-1315 EG lesson, "The Human Eye," quite readable at S6. (Flynn-OR) Interesting!--sp.
- 4002.7 SUMATRA, RRI Padang first Indo afternoon showing, 9/7 after major flare 1927, hrd SCI, also 9/8 better audio at 2250, Jak nx 2300. (Clark-ON)
- 4433.2 INDONESIA, unid, suspect RRI Bukittinggi, 9/8, 2245. This freq rptd since June & in Aug by Victor Goonetilleke (Clark)
- 4485 ASIATIC RSFSR, Bashkir Radio, Ufa, 9/3, 0653 RS ID, speech by Gorbachev, applause, call in 0812. YL from Riga asked, "What will happen to Communism?" Also 8/22 at 0720, 9/2 at 0730 ID, opera, TP 0800, ID, nx, folk mx, bells IS, nx abt revolution. Taped a pgm and RS friend translated. Hrd well in Southern Cal. (Robertson-CA)
- 4485 ASIATIC RSFSR, Kamchatka R., 8/20, 1349-1409 class mx, KNLS annod, 30s mx, tlk, all RS, S7. (Flynn-OR)
- 4607 IRIAN JAYA, RRI Serui, 7/30, 1220-1240 lcl mx, Indo nx, SIO 353 (Cox-OR)
- 4710 CLANDESTINE, R. Patria Libre, 8/31, 0055 1st time on 61m. IDs, mx, 2M w/anmts, no //s or jammers noted (Johnson-MD)
- 4740 CLANDESTINE, Saday-e Mojahed (Voice of the Mojahed) 9/9, 0127. Care must be taken not to confuse w/Afghanistan which s/on 0130 here. This cland also hrd 4750, 4730. (Johnson-MD) Very nice catch--sp
- 4755.4 BRAZIL, R. Educ. Rural, 7/15, 0059 EZL mx, fair (Karcheski) 8/22, 0341-0352 pops & gaucha mx, M anncr, S5 (Flynn-OR)
- 4761 ECUADOR, Sistema de Emis. Atalaya, 8/3, 0238-0256\* romantic vcls, brief anmts, ID 0252, s/off anmts, NA (D'Angelo-PA)
- 4765 CONGO, RTV Congolaise, 8/15, 0430-0500 FR mx, ID, poor. (Tabatowski-IN) 8/28, 2240 hilife mx, nice ID, nx, good (D'Angelo-PA) 9/5, 2317, FR tlk & mx (Wentworth-MA) 8/8, 2330 presumed them, tlk & lot of QRN (Wolfson-OH) 8/30, 2337 FR mx pgm, s/off w/NA 2357, fair (Kurrasch-NY) 9/1, 2350-2359\* Afr. pops, ID, NA //5985 weak u/WYFR. Also hrd on these 2 freq 0355 opening anmts (Alexander-PA)
- 4770 NIGERIA, R. Nigeria Kaduna, 8/7, 0500-0530 EG nx, ID, McLean's toothpaste ad, "be confident with McLean's" (Tabatowski-IN)
- 4780 NORTH KOREA, R. Pyongyang, 8/30, \*1200 KK mx, YL nx, ID. SIO=555 (Cox-OR)
- 4790 PERU, R. Atlantida, 8/7, 0915 SP pops, M anncr, poor sig but sev IDs (Newman-IN)
- 4810 SOUTH AFRICA, R. Orion, 9/5, 0010-0030 pop mx, SIO=343 (Kurrasch-NY)
- 4820 HONDURAS, LV Evangelica, 8/17, 0430-0500 SP rel, ID, good (Tabatowski-IN)
- 4830 VENEZUELA, R. Tachira, 0311 ID, good (Walsh-MA)
- 4845 BRAZIL, R. Meteorologia Paulista, 8/22, 0900 ID, 1 kW. (Johnston-KY)
- 4845 MAURITANIA, ORTM, 0050-0101 AR Qur'an, ID, s/off, exc. (Walsh-MA)
- 4850 CAMEROON, CRTV Yaounde, 9/6, 0432 EG ID, mx (Wentworth-MA) 9/12, 2340-2356\* FR mx, ID, sked, NA (Kurrasch-NY) 8/8, 2344-0001 mx, IDs, noisy (Wolfson-OH)
- 4855 BOLIVIA, R. Centenario, 9/5, 0023 ID (Johnson-MD)
- 4860 INDIA, AIR Delhi, 8/28, 0035 nat'l hookup, EG nx, s/off 0040, good grayline this time of yr (Johnson-MD)

- 4864.2y MOZAMBIQUE, RM, 9/8, 0350 Afr. vcls, PT nx by YL 0400, hilife mx, fair //3210.5, drifted to 4864.4 (Clark-ON)
- 4871 IRIAN JAYA, RRI Wamena, 9/18, 1136-1200 mx by Abba, Indo pops, short anmts, SCI, time pips, Jk nx (Paszkievicz)
- 4875 BRAZIL, Super Radio Roraima, 8/15, 0515-0600 continuous MOR mx, anmts, ID, ads, jingles, QTH info (Jordan-PA)
- 4875 CHINA, Vo Jinling, 8/28, 1145 CH tlk, mx, 5+1 pips 1200 (Johnston-KY)
- 4880 BANGLADESH, R. Bangladesh, 1250 tlk & nx in Bengali (Cox)
- 4890 GABON, RFI relay, 8/14, 0507-0530 FR nx, tlks, instl bridges, ID, discussion, fair-poor (Jordan-PA)
- 4890 SENEGAL, ORTS, 9/10, 0230 ID, FR nx, SIO=444 (Kurrasch-NY) 9/1, 2348-0006\* continuous Afr. vcls, YL ID, nx by M, brief ID, stringed instl mx (D'Angelo-PA)
- 4890.4 PERU, R. Chota, 8/28, 0110 flute mx, IDs before 0159\* No sign of Centinela del Sur here or in 4900 range (Johnson)
- 4892.2y SENEGAL, ORTS, 8/17, 2345-0101\* hilife, ID, tone, nx, AR style mx, tone 0100, choral anthem (Alexander-PA)
- 4905y CHAD, Rdf. Nat. Tchadienne, 8/14, 0440 political discuss, lite tlk, laughs, lcl mx, YL cmtry (Jordan-PA)
- 4915 CHINA, Guangxi PBS, 8/16, 1306-1339 EG lesson "In a Coffee Shop," "Dimensions," S7, moderate static. (Flynn-OR)
- 4915 GHANA, GBC, 8/10, 0600-0615 EG nx, ID, poor (Tabatowski-IN) 9/9, 2237 EG ID, nx 2245, rel in Ewe lang, good (Kurrasch)
- 4920 AUSTRALIA, VLM4 Brisbane, 1257 wx, ID, C&W mx (Cox-OR)
- 4927 SUMATRA, RRI Jambi, 8/17, 1326-1340 seemed a festival on-scene, clear ments of Jambi, varying sig strength (Flynn-OR)
- 4930 DOMINICAN REPUBLIC, R. Barahona, 8/7, 0945-1000 pop mx format, lcl TCs, also IDs as "Empresas Radiofonicas." (Newman-IN) Scott Newman is fluent in Spanish. We've got a lot of talented DXers in our group--sp.
- 4934 KENYA, KBC, 9/8, \*0155-0300 tlk, mx, SIO=434 (Kurrasch-NY)
- 4944.2 BRAZIL, Emissora Rural, Petrolina, 9/5, 0027, ID 0131 at S/off, "Emis. Rural, Petrolina, Pernambuco, Brazil" S/off w/o anthem. (Johnson-MD)
- 4950 SARAWAK, RTM Kuching, 7/31, EG market rpt, ID, SIO=555 (Cox-OR) Time?--sp
- 4951.3 ANGOLA, RN, 8/5, 0350 ute QRM, mx, OM DJ, 24 hours? (Johnston-KY) 8/17, 2330-0015 PT tlk, ballads, pops //3376.8, 7245, all weak (Alexander-PA)
- 4960 ECUADOR, R. Federacion, 8/29, 0024-0059\* rustic instls, monotone tlk, ID, drums, SIO=252 (D'Angelo-PA)
- 4990 INDIA, AIR Madras, 8/28, 0032 subcont mx, tlk in presumed Tamil, s/off 0045 (Johnson-MD)
- 4990 NIGERIA, R. Nigeria Lagos, 8/7, 0515-0530 EG mx, "We are the World," ID 0526, poor. (Tabatowski-IN)
- 4995 MONGOLIA, R. Ulaanbataar, Choibalsan, 7/30, 1243-1310 nx, ID, poor sig (Cox-OR)
- 5003.5p RIO MUNI, RN de Guinea Ecuatorial, 8/31, 0528 in SP w/ hilife mx (Johnston-KY) Gotta be the one--sp.
- 5005 NEPAL, R. Nepal, 8/26, 1335-1405 Nepali prayers, mx, 1400 nx, SIO=454 (Cox-OR) Think I'm moving to Oregon--sp
- 5011 ECUADOR, Escuelas Radiofonicas Pop, 9/3, 0917-0939 rustic vcls, flute instls, long tlks, ID 0936, "En Riobamba. . . Radiofonicas. . ." (D'Angelo-PA)
- 5020p COLOMBIA, Ecos del Atrato, 9/14, 0339-0345 speech, ment of Colombia (Paszkievicz-WI) 8/13, 0345-0357\* drumbeat mx, closing anmts w/clear ID, echo anmts, NA. (Flynn-OR) 8/24, 0350-0407\* anmts, Caracol promos, quick ID 0404, s/off w/NA, good. (Alexander-PA) Only my log was presumed-sp
- 5031 ECUADOR, R. Catolica Nac., 8/7, \*1020-1040 prayer, Andean flutes, tlk in SP & Quechua, strong sig (Newman-IN)
- 5041.3 ANGOLA, EP de Benguela, 8/31, 0450-0510 tlk, Afr. pops, nx 0500, short mx breaks //7151.6, 7245 (Alexander-PA)
- 5051.9 SINGAPORE, SBC Radio 1, 9/8, 2310 ID, ment Singapore at end of EG nx, tlk //5010 (Clark-ON) 9/8, 2255 pop mx, couple IDs, nx (Johnson-MD)

- 5063 ECUADOR, RN Progreso, 7/16, 0335-0422\* Andean mx w/dedications, ID, anthem at s/off (Newman-IN)
- 5097.3 PERU, R. Eco, 9/16, 0448-0519 sev IDs, lots of great mx, very good sig (Brown-PA)
- 5256.3 SUMATRA, RRI Sibolga, 9/7, 2310 Jakarta nx, better than 4002.7 Padang, not on next day (Clark-ON)
- 5260 KAZAKH SSR, R. Alma Ata, 9/8, 0013-0047 class & stringed instl mx, ID and IS 0030, fair. (Brown-PA)
- 5990 MYANMAR, Vo Myanmar, 8/19, 1423-1450 vcls to 1430 EG pgm. TL anncd "SW svc," oldies, 1445 EG nx, poor sig (Flynn-OR)

All of you pat yourselves on the back and open up a cold one for all the work you put into this one. RUFUS JORDAN even sent his logs to me Priority Mail to make sure they'd get here on time. They did. We're not finished yet.

ALAN ARNOLD of Ontario, CA (the Ontario of the West Coast) wrote in telling of Indonesian signals he heard while doing a bandscan 8/28 1200-1315 UTC. Says signals are improving this season. He heard signals on the following frequencies:

2390, 2405, 2420, 2440, 2450, 2480, 2540, 2695, 3215, 3232, 3265, 3306 3395, 3447, 3654, 3905, 3976, 3986, 4000, 4003, 4607, 4753, 4790, 4875, 4927, 4932, 5046, 5256. Wow! I didn't even know there were that many stations on the air!

And now, thank you, BILL FLYNN for the following special feature, a listing of the 24 divisions or states of Venezuela with towns as taken from the 1991 WRTH. Bill notes the NASWA Venezuelan award calls for QSLs from 12 divisions. Not all divisions are active on SW but new or reactivated stations may pop up!

1. FEDERAL DEPENDENCY - Caribbean Islands, e.g. Aves
2. FEDERAL DISTRICT - "DF" Caracas, Maiquetia (airport area)

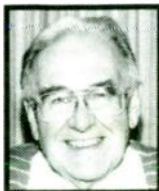
#### STATES

3. ANZOATEGUI - Puerto la Cruz, El Tigre, Barcelona, Campo Mata, Anaco
4. APURE - San Fernando de Apure, Elorza
5. ARAGUA - Maracay, Cagua, La Victoria, Turmero
6. BARINAS - Barinas
7. BOLIVAR - Ciudad Bolivar, Puerto Ordaz, San Felix, Upata
8. CARABOBO - Valencia, Puerto Cabello, Guacara
9. COJEDES - San Carlos
10. FALCON - Coro, Puerto Cumarebo, Punto Fijo
11. GUARICO - San Juan de los Morros, Zaraza, Calabozo
12. LARA - Barquisimeto, Carora, El Tocuyo
13. MERIDA - Merida, Tovar, El Vigia
14. MIRANDA - Los Teques, Ocumare del Tuy, Guarenas, Charallave, Caucagua
15. MONAGAS - Maturin, Caripito
16. NUEVA ESPARTA, Porlamar, La Asuncion
17. PORTUGUESA - Guanare, Acarigua, Araure, Turen
18. SUCRE - Cumana, Carupano
19. TACHIRA - San Cristobal, La Fria, La Grita, Rubio, Tariba
20. TRUJILLO - Ciudad Trujillo, Valera, Bocono
21. YARACUY - San Felipe, Nirgua, Chivacoa
22. ZULIA - Maracaibo, Cabimas, Machiques, Ciudad Ojeda, Santa Rita

#### TERRITORIES

23. AMAZONAS - Puerto Ayacucho, San Juan de Manapiare
24. DELTA AMACURO - Tucupita

Next month, more from DOUG ROBERTSON about the station Bashkir Radio. Till then, keep tuning in and writing in! 12 States + 1 Canadian Province



# International Band Loggings

Wallace C. Treibel  
357 N.E. 149th Street  
Seattle, WA 98155

- 5960 CANADA R Japan relay Sackville in EG 0101, nx, lang lesson (Tucker GA 8/25)  
6006 COSTA RICA R Reloj in SP 0713, ID's, TC's, nx, wx, ads, feature (Spat NH 8/13)  
6030 BRAZIL R Globo in PT 0215, sports nx, "Buenos Noches America" (Wentworth MA 9/6)  
6050 NIGERIA R Nigeria in EG 2230, native mx, nx 2300, off 2305 (Kurrasch NY 8/30)  
6085 GERMANY Bayerischer Rundfunk in GM 0208, mx incl P Anka in EG (Tucker GA 8/18)  
6085v BOLIVIA R San Gabriel in SP 0853, Andean flutes, ID, prayer, TC, drama (Berg MA)  
61149 MEXICO R Universidad in SP 0435, ID, L Am mx, variety show (Robertson CA 8/24)  
6150 COLOMBIA R Caracol Neiva in SP 0115-0730, tlks, ads, mx, nx, rpt on drug use in Colombia, fqys, phone survey (Newman IN, Robertson CA, Spat NH)  
6185 MEXICO R Educacion in SP 0845, mx from Yucatan, brass band, ID (Newman IN 9/1)  
6576 NO. KOREA R Pyongyang in EG 1100, IS, ID, NA, nx, //9977, 11335 (Crumhorn TX)  
6907nf? EQUATORIAL GUINEA R Africa in SP 2000, mx, pgm preview, ID, NA (Berg MA 9/2)  
7130 GERMANY Deut Welle in GM 0143, relig pgm, choral mx, nx (Carson OK)  
7202 SWAZILAND TWR in EG 0510, "Back to the Bible", RSA address (Cox OR 8/11)  
7215 IVORY COAST RTVI in FR 2350-0002\*, pops/ballads, jingles, NA (Alexander PA 8/23)  
7255 NIGERIA VON in EG 0548, nx, ID, fqy, relig mx, TC, feature (Robertson CA 9/8)  
7275nf? LIBERIA ELBC in EG \*0656-0720, pop/gospel mx, ID, fqy, nx (Alexander PA 8/18)  
7345 CZECHOSLOVAKIA R Prague in EG 0100, nx, cmntry, DX pgm (Tucker GA, Levison PA)  
9265nf ICELAND INBS in EG/IC 0728-0802, EG nx, continuous C&W mx, chimes 0759, IC tlk (Alexander PA 8/25) in IC/EG 0315, tlk by YL in EG w/translation in IC (Oliver TX 8/25, Treibel WA 8/30) ED: See also p 32 LN in August NASWA for more info.  
9420 GREECE VoG in EG 0342, nx, celebration of GK Armed Forces Day (Spat NH 8/15)  
9495nf? CROATIA Croatian R Zagreb in EG 0410, nx re fighting (Rhyme NC 9/1) ED: Is this a direct broadcast or a relay transmission via USA xmtr?  
9505 JAPAN R Japan Tokyo in EG 1545, ID, DX Corner, feature (Robertson CA 9/8)  
9530 NO. MARIANAS KHBI Saipan in EG 1557, ID, fqy at 1600\* s/off (Robertson 9/8)  
9630 SPAIN RNE in EG 0012, nx, cmntry (Cox OR) in EG \*0502, ID, nx, mx (Robertson CA)  
96556 SWAZILAND TWR in EG 0452, relig pgm, ID (Wentworth MA 9/3)  
9670 NO MARIANAS KPBS Saipan in VT 1415, ID in EG 1430, into Burm(p), g (Treibel 9/9)  
9785 GUAM KTWR in JP 1238, interview, cmntry, heavy RTTY QRM (Crumhorn TX 8/16)  
9835 HUNGARY R Budapest in EG 0208, DX Listeners Request mx pgm, ID (Robertson CA)  
9850 EGYPT R Cairo in AR 2220-2306\*, cmntry on USSR problems, ID (Dillon NC 8/19)  
9860nf MADAGASCAR R Nederland test xman 0030-0325, //11655 (Berg MA 8/28-9/1)  
9885 SWITZERLAND SRI in EG 0415, nx, ID, fqys, TC (Carson OK, Robertson CA, Unruh WA)  
9900 EGYPT R Cairo in EG 2206, tlk on agriculture in Egypt (Spat NH 8/12)  
9977 NO KOREA R Pyongyang in EG 1130, mx, nx, ID, g (Kurrasch NY 9/6)  
10058v VIETNAM VoV Hanoi in VT 1030, tlks, mx inserts, ID, pips, nx, p (Jordan PA 8/9)  
11530nf LEBANON King of Hope test xman in EG 2127, ID, "World of Prophecy", gave USA, UK, & Cyprus addresses, f-g, //6280, off 2200\* (Berg MA 8/31-9/2)  
11625nf VATICAN STATE VR in EG \*0250-0310\*, life of San Ignacio, //9605 (Newman IN 8/12)  
11645 GREECE FT Helladas Kavalla in GK 0021, relig mx, tlk, ID, exc (Robertson CA 8/9)  
11700 GUAM KTWR in CH 1245, YL w/long cmntry, //9870, both exc (Crumhorn TX 8/16)  
11755 FINLAND RP in EG 2140, cmntry re Nordic PM meetings in Iceland (Spat NH 8/14)  
11760nf GEORGIA R Tbilisi in EG 2000, tlk on polit events, positive ID (Comeau MA 8/25)  
11790 FRANCE RFI in EG/FR 0630, lang lesson on ordering in restaurant (Robertson 9/1)  
11790 LITHUANIA R Vilnius in EG 2300, NA at s/on with Lith nx, pop mx, features (Carson OK 9/7, Tucker GA 8/24, Wolfson OH 8/26, Karcheski MA)  
11790 UKRAINE R Kiev in EG 0008, nx abt the breakaway republic (Wentworth MA 9/6)  
11810 BRAZIL Deut Welle relay in SP 0035-0050\*, nx, mx, ID, fqy, vg (Robertson 9/8)  
11810 ANTIGUA Deut Welle relay in GM 0648, drama w/dialogue in GM, exc (Robertson 9/1)  
11815 NETHERLANDS ANTILLES TWR in EG 1130, nx, relig mx, tlk (Carson OK 8/6)  
11855 CHINA R Beijing in EG 1435, ID, CH mx, lang lesson, exc (Robertson 8/14)  
11865 JAPAN R Japan Tokyo in EG 1730, mx, tlk on baseball, exc (Unruh WA 8/19)  
11920 SOUTH AFRICA RSA in FR 0255, IS, NA, nx, QRM from R Moscow (Carson OK 9/3)  
11955 SINGAPORE BBC relay in EG 2210, tlk re marine biology & pollution (Kurrasch NY)  
11955nf? MADAGASCAR R Nederlands relay in DT 1424, Happy Station pgm, NA (Carson OK)  
11980 GUAM KSDA in JP 1343, tlk by YL, relig mx, ID, into CH 1359 (Johnston KY 8/26)  
11985 UAE Abu Dhabi in AR 2105-2153\*, rpts on USSR problems, ID, mx (Dillon NC 8/20)

- 12005 TUNISIA RTT in AR 2100, nx, AR mx, call-in (Dillon NC 8/17, Kurrasch NY 9/6)
- 12035 SWITZERLAND SRI in IT 0327, accordion/polka mx, nx (Carson NM 8/9)
- 12050 EGYPT R Cairo in AR 2126, AR mx, ID, comedy (Dillon NC 8/21, Unruh WA 8/13)
- 12070 GEORGIA R Georgia in RS 1720, folk mx, nx, piano/organ mx, ID (Jordan PA 8/16)  
Note: See p. 37 of the NASWA Journal/August for further info on this logging.
- 13655nf? BELGIUM BRT in EG 2340, pgm of various classical mx sels, g (Carson OK 9/1)
- 13675 UAE Dubai R in EG/AR 1347, tlk on medicine/physicians in Arabia (Carson OK 8/28)
- 13710nf? BELGIUM BRT in EG 2330-2355\*, DX & travel features, //13655 (Newman IN 8/24)
- 13782 MONGOLIA R Ulan Bator in EG 1445-1514, history of Mongolia (Boulden CA 8/18)
- 15100 PHILIPPINES FEBC in EG 1429\*, hrd signing off w/ID, f (Freeland KS 8/16)
- 15115 NO. KOREA R Pyongyang in EG 0040, cmntry on situation in USSR (Kurrasch NY 8/30)
- 15120 SEYCHELLES FEBA in Parsi 1800, IS at 1759 w/sign on annnmts, f (Freeland 8/17)
- 15130nf? OMAN BBC relay in EG 1350, interview on ME politics, ID, nx, cmtry (Lyon MN 9/2)
- 15150 MADAGASCAR R Nederland relay in EG 1430, IS, nx, "The Search File" (Boulden 9/7)
- 15185 FINLAND RF in EG 2305, "Northern Report", features (Kurrasch NY, Carson NM)
- 15190 CONGO R Congo Brazzaville in FR 1445, Afr mx, ID 1452, f-g (Crumhorn TX 8/17)
- 15195 JAPAN R Japan Tokyo in EG 0535, history of WW II, peace tlks (Boulden CA 8/16)
- 15285 CHINA R France Int relay in FR 1103-1125\*, nx, polit tlk, f-p (Jordan PA 8/9)
- 15330 BULGARIA R Sofia in EG 1740, nx (Johnston KY) in EG 2334, DX pgm (Levison PA)
- 15335 MOROCCO RIM in AR 0011, tlk re Islam, //15105 weaker (Freeland KS 8/17)
- 15345 ARGENTINA R Nacional in SP 2330-0000\*, relay of MW pgms, ID (Newman IN 8/24)
- 15350 LUXEMBOURG R Luxembourg in EG 0500, nx, jingles, pop mx, g (Comeau MA 8/25)
- 15355 NORWAY RNI in EG 1501, nx, press review, "Science Norway" (Tucker GA 8/11)
- 15365 SOUTH AFRICA RSA in FR \*1751, IS to 1800, p (Johnston KY) in SH 1350 (Carson OK)
- 15365 AUSTRALIA RA in EG 0615, France issuing Easter Is. stamp, //11795 (Boulden CA)
- 15390 GERMANY Deut Welle in Hausa \*1757, IS, ID's, p (Johnston KY 9/1)
- 15450 CHINA R Beijing in EG 1200, nx, feature, f, //11600 (Rhyne NC 9/1)
- 15525 UKRAINE R Kiev in EG 2359, IS, nx, Ukraine declares independence (Tucker 8/24)
- 15550nf? GREECE VoG in EG 1530, nx, ID, into SW 1540, not hrd on 15265 (Treibel WA 9/11)
- 155694 MADAGASCAR R Nederland relay in EG 1923\*, African svc, nx, ID (Wentworth MA 9/5)
- 15770 ICELAND INBS in IC 1937-2008\*, tlk, nx, no ID hrd at s/off (Tucker GA 8/17)
- 17620 FRENCH GUIANA RFI relay in SP 2333, mx, ID 2356, QRN after 2357 (Robertson 9/8)
- 17620 FRANCE RFI in EG 1600, IS, fgys at s/on, nx, cmntry on USSR (Lyon MN 9/2)
- 17630 GABON Africa #1 in FR 1254, tlk, ads, sports, f (Crumhorn TX 8/16) in FR 1540, spiritual mx, ID, hi-life rock, pgm sked (Lyon MN 9/2)
- 17665 LITHUANIA R Vilnius in EG \*2300-2330\*, nx, polit tlks, field rpts, folk mx, //11790, 17960 (Jordan PA 9/8, Boulden CA 9/2)
- 17705 CHINA R Beijing in EG 0020, China flood damage, cmntry (Levison PA, Carson OK)
- 17730 BRAZIL Swiss R Int'l relay in EG/SP 0229, Latin Amer nx, exc (Carson NM 8/9)
- 17740nf? LIBYA R Jamahiriya in AR 2205, ID's, tlk pgm, AR mx, exc (Spat NH 8/18)
- 17855 UAE Abu Dhabi Capitol R in EG 2255, pop mx, ID, Gulf nx, Koran (Comeau MA 8/10)
- 17860 RWANDA Deut Welle relay in GM 2359, IS, ID, fgys, nx, g (Robertson CA 9/9)
- 21465usb COSTA RICA RFPi in EG 1856, special pgm w/call-ins, Peace Forum (Carson OK 9/7)

CLANDESTINES

- 7340 La Voz del Cid (Anti-Castro) in SP 0202, tlk, mx, ID (Tucker GA 8/4)
- 9942 La Voz del Cid (Anti-Castro) IN SP 1449, tlk, L Am mx, ID, nx (Tucker 8/10)

PIRATE STATIONS

- 7390v RPM in EG 0320\*, 2nd anniversary bcst, special QSL (D'Angelo PA, Berg MA 8/11)
- 74154 Radio USA in EG 0209, mx, lots of tlk (Carson OK 8/25) relay of "Defiance 90-V of Anarchy & Equality" stn w/anti-Govt tlk (Alexander PA 8/24) nx items incl Radio USA edible (sic) QSL's, ID, 1400\* (Karcheski MA 8/11)
- 74155 Alliance for Free Radio in EG 0615-0701, fake ads, rock mx but mostly DJ chatter, Huntsville, AL address, g (Alexander PA 8/18)



# English Schedules

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## Notes

**Austria:** ORF has added a second release to wNA at 0630 via Canada on 6015. SW Panorama airs on Mondays.

**Costa Rica:** RFPI does not seem to be following its 6-hour time blocks, and World of Radio was heard at a new time on Saturday, 1900 or 1930. This goes against a crowded hour that already contains HCJB *DXPL*, RHC's *DXers Unlimited*, BRT's *Radio World*, Spanish Foreign Radio's *DX Spot*.

**Cuba:** On September 28 I had a telephone call from Arnie Coro informing us of a surprise "proof of performance" test on 6000 kHz 23-06 UT for 3 or 4 days commencing the 27th. The 50 kw transmitter was moved from 9620 and refurbished. As 15140 to NA is fading badly at night, watch 9565 or possibly 6000 as alternatives. Arnie is thinking of putting a 1 kw transmitter onto 120 m

for DXers to have some fun. A Radio Rebelde transmitter was in this band a few years ago.

**Sweden:** Radio Sweden has retimed its NA service to 01 UT, followed with a repeat at 02, on 9695 kHz.

**Switzerland:** SRI has dropped its long-time 15570 kHz for 15505.

**Turkey:** At the end of August the VoT announced closing of its NA service to allow installation of its new 500 kw transmitters. On September 1, I found the VoT on a new frequency of 11710 - quite readable here - to Europe. To the best of my knowledge this is the first time the VoT has ever used 11710. It was a surprise for me. A fax yielded the adjusted schedule reflected in the listings this month, and George Poppin found out that the installations will probably run until February 1992.

**USSR:** Time shifts - summer to standard time - are always confusing here but I think we have most of them. The break-up of the USSR complicates matters somewhat, so if you don't find what you are looking for, look an hour later. Vilnius and Kiev and Yerevan moved an hour, but I don't yet know if the China and Cuba relays via the USSR have time-shifted. By the way, we've broken out the Baltic Republics' records into their respective country names and will no longer list them as USSR.

## UUCP/UseNet rec.radio.shortwave

This popular UseNet conference is now available on the Pinelands RBBS. This area is in addition to the FidoNet Shortwave echo. Call 609-859-1910, any speed, 8N1 settings.

Changes entered between 09/01/91 and 09/29/91.

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time  
Compiled by Thomas R. Sundstrom, W2RX

Start Time (UTC)	End Time (UTC)	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Freq #8	Target Area	Notes	Record Last Updated
0000	0100	China	R Beijing	11715	9770							NA/eNA	#1&2 v Hall	09/01/91
0000	0030	Lithuania	R Vilnius	17690	17605	15180	11790					NA		09/21/91
0000	0030	Norway	R Norway Int'l	9645								NA/CA	Su & Mo only	09/22/91
0000	0800	USA	WHRI/2	7315								NA	42 deg	09/22/91
0000	0200	USA	WSHB/1	13760								SA	167 deg	09/22/91
0000	0200	USA	WSHB/2	7395								eNA/Car	25/173 deg	09/22/91
0000	0100	USSR	R Moscow	15355	11750	9720						World Service		09/11/91
0030	0055	Belgium	BRT	13710	13655							NA/SA		09/21/91
0030	0125	Netherlands	R Netherlands	11835	6165	6020						eNA	#1&2 v Bonaire	09/21/91
0100	0150	Germany	R Deutsche Welle	11865	9770	9640	9610	9565	7140	7120	6145	NA		09/22/91
0100	0200	Japan	R Japan	17845	17835	17810	15195	11840	5960			GOS/Asia/NE/NA	#5 Sri Lanka #6 Can	09/09/91
0100	0130	Norway	R Norway Int'l	9605								NA/CA	Su & Mo only	09/22/91
0100	0130	Sweden	R Sweden	11705	9795	9695						NA/As/Pac		09/24/91
0100	0200	USSR	R Kiev	17690	17665	15180	12005	11790	11675			NA		09/28/91
0100	0200	USSR	R Moscow	17890	15355	11750	9720	9600	9530			World Service	#4&5 v Cuba	09/11/91
0145	0200	Vatican State	Vatican Radio	9650	7125							As/Aus/Hz		09/22/91
0200	0230	England	BBC	9915	9590	7325	6175	6110	5975			WS: NA/CA/Carib		09/26/91
0200	0250	Germany	R Deutsche Welle	11945	9690	9615	7285	6035				sAs		09/22/91
0200	0230	Norway	R Norway Int'l	9605								NA	Su & Mo only	09/22/91
0200	0230	Sweden	R Sweden	11705	9695							NA/LA		09/24/91
0200	0400	USA	WCSN	9350								eAf	75 deg	09/22/91
0200	0400	USA	WSHB/1	13760								SA	167 deg	09/22/91
0200	0400	USA	WSHB/2	9655								eNA/Mex	315/245 deg	09/22/91
0200	0300	USSR	R Moscow	17890	17840	15425	12025	11750	11730	9720	9685	World Service	#7&9 v Cuba	09/11/91
0230	0300	England	BBC	9915	7325	6175	6110	5975				WS: NA/CA/Carib		09/26/91
0230	0330	USSR	R Kiev	9785								Eu		09/28/91
0230	0315	Yugoslavia	R Yugoslavia	11885	9555							NA/eNA		09/21/91
0250	0315	Vatican State	Vatican Radio	7305	6150							NA		09/22/91
0300	0330	England	BBC	9915	7325	6175	5975					WS: NA/CA/Carib		09/26/91

0300	0350	Germany	R Deutsche Welle	9770	9705	9640	9605	9545	7275	6120	6085	NA		09/22/91
0300	0400	Hungary	R Budapest	11910	9835	6110						NA		09/29/91
0300	0330	Norway	R Norway Int'l	9645								NA	Su & Mo only	09/22/91
0300	0400	USA	WRNO	7395								NA/CA	Spanish Tu-F 03-04	09/22/91
0300	0400	USSR	R Moscow	15590	15415	12025	11980	11750	11730	9720	9685	World Service	#789 v Cuba	09/11/91
0330	0400	Austria	ORF	13730	9870							NA/CA		09/21/91
0330	0430	England	BBC	9915	7325	5975						WS: NA/CA/Carib		09/26/91
0330	0425	Netherlands	R Netherlands	11720	9590							WNA	v Bonaire	09/21/91
0330	0400	Sweden	R Sweden	11705	9695							LA		09/24/91
0330	0400	USSR	R Georgia	11850										09/21/91
0400	0615	Bulgaria	R Sofia	17825	15160	11720						World Service: NA/AF		09/29/91
0400	0450	Germany	R Deutsche Welle	13770	11765	9765	9665	9565	7275	7225	7150	s&c&a&f/NE		09/22/91
0400	0600	USA	WSHB/1	13760								Mex	230 deg	09/22/91
0400	0600	USA	WSHB/2	9455								w&cNA	315 deg	09/22/91
0400	0500	USSR	R Moscow	15590	15425	12025	11980	11730	11675	9720	9685	World Service	#789 v Cuba	09/11/91
0430	0500	England	BBC	5975								WS: NA/CA/Carib		09/26/91
0500	0730	England	BBC	9640	5975							WS: NA/CA/Carib		09/26/91
0500	0550	Germany	R Deutsche Welle	9690	9670	9535	7110	6120	6045	5960		NA		09/22/91
0500	0600	USSR	R Moscow	17620	15540	15130	11995	11980	11730	11675	9880	World Service		09/14/91
0500	0600	USSR	R Moscow/WMA	17840	17605							World Service/WMA		09/16/91
0500	0530	Vatican State	Vatican Radio	15090	11625	9695						e&a&f		09/22/91
0600	0650	Germany	R Deutsche Welle	17875	15435	15185	13790	13610	11765			w&f		09/22/91
0600	1400	Italy	Italian Radio Relay Serv	7125								Eu	N-F	09/29/91
0600	0800	USA	WSHB/1	9870								wMex	245 deg	09/22/91
0600	0800	USA	WSHB/2	9455								WNA	315 deg	09/22/91
0600	0630	USSR	R Georgia	12070	12050									09/21/91
0600	0620	Vatican State	Vatican Radio	7250	6245							Eu		09/22/91
0630	0700	Austria	ORF	6015								WNA	v Canada	09/21/91
0630	0700	Vatican State	Vatican Radio	15090	11625	9695						c&a&w&f		09/22/91
0700	0800	Japan	R Japan	21525	17890	17810	17765	15250				GDS/As/Oc/Eu/NE	#1 v Gabon	09/09/91
0715	0830	Italy	Italian Radio Relay Serv	7125								Eu	Su	09/29/91
0730	0755	Belgium	BRT	13675	11695	5910						Eu/Aus		09/21/91
0730	0825	Netherlands	R Netherlands	11895								NZ/Aus	v Bonaire	09/21/91
0740	0935	Monaco	Trans World Radio	7240								UK	Sa -0950	09/21/91
0745	0930	Guam	KTUR	15200								seAs/Indon/Phil	Fri -0915	09/24/91
0800	0830	Australia	R Australia	21775	17750	17630	15240	15160	9710			As/Pac/PapMG		09/21/91
0800	1100	Italy	Italian Radio Relay Serv	7125								Eu	Sa	09/29/91
0800	1000	Mariana Is	KHBI	17555	15665							Japan/Aus/NZ	340/165 deg	09/26/91
0800	1000	USA	WCSN	9840								Eu	60 deg	09/22/91

0800	1100	USA	WHRI/1	7355						Caribbean	157 deg	Su -10	09/22/91
0800	1300	USA	WHRI/2	7315						NA	42 deg		09/22/91
0800	1000	USA	WSNB/1	13760						Aus	260 deg		09/22/91
0800	1000	USA	WSNB/2	9455						cSA	152 deg		09/22/91
0815	1000	Guam	KTMR	11805						Aus/NZ			09/24/91
0830	0900	Australia	R Australia	21775	17750	17630	15240	15160	11800	9710	9580	As/Pac/PapMG	09/21/91
0830	0900	Austria	ORF	21490	15450	13730	6155				As/Eu		09/21/91
0830	0925	Netherlands	R Netherlands	21485	17375						As/Aus		09/21/91
0830	0845	Vatican State	Vatican Radio	15210	9645	7250	6245				ME/Eu	M-F	09/22/91
0900	0930	Australia	R Australia	25750	17750	15240	15170	13605	11800	9710	9580	As/Pac/PapMG	09/21/91
0930	1000	Australia	R Australia	25750	17750	15170	13605	11800	9580	7140		As/Pac/PapMG	09/21/91
0955	1020	Monaco	Trans World Radio	9480							UK	Su	09/21/91
1000	1100	Australia	R Australia	25750	15170	11800	9580					As/Pac/PapMG	09/21/91
1000	1025	Belgium	BRT	21815	13675	9855					Afr/Eu	M-Sa	09/21/91
1000	1100	Guam	KSDA	11980							As	255 deg	09/22/91
1000	1200	USA	WCSN	13770							Eu	60 deg	Sa-Su
1000	1300	USA	WHRI/1	7355							Caribbean	157 deg	M-Sa
1000	1200	USA	WSNB/1	9495							eNA	25 deg	09/22/91
1000	1200	USA	WSNB/2	9455							cSA	152 deg	09/22/91
1040	1057	Switzerland	Int'l Red Cross	21770	17830	15505	13635				Far East	Mo&Th after last Su	09/21/91
1100	1200	Australia	R Australia	21720	15365	11930	9710	9580	7240	7140	6080	As/Pac/PapMG	09/21/91
1100	1150	Germany	R Deutsche Welle	21600	21465	17860	17800	17765	15410		WAF		09/22/91
1100	1130	Switzerland	Int'l Red Cross	7210							Eu	last Su/mo	09/21/91
1100	1130	Switzerland	Swiss R Int'l	21770	17670	15505	13635				seAs/Aus/NZ		09/29/91
1100	1400	USA	WHRI/1	11790							Caribbean	157 deg	Su
1100	1200	USSR	R Moscow	17890	17815	17765	17755	17600	15580	15535	15405	World Service	#10 v Cuba -14
1120	1130	Vatican State	Vatican Radio	15210	9645	7250	6245				ME/Eu	M-F	09/22/91
1130	1200	Austria	ORF	15450	13730	11780	6155				As/NA/Eu		09/21/91
1130	1225	Iran	R Tehran	11930	11790	9695	9575	7215			eAs/ME		09/21/91
1200	1300	Australia	R Australia	21720	11930	11720	9710	9580	7240	6080	5995	As/Pac/PapMG	#2 -1230
1200	1230	Italy	Italian Radio Relay Serv	7125							Eu	Su	09/29/91
1200	1400	N Mariana Is	KHBI	15665	13625						Aus/seAs	195/285 deg	09/26/91
1200	1230	Norway	R Norway Int'l	25730	21695						As/Aus/Ird	Sa & Su only	09/22/91
1200	1225	Poland	R Polonia	11815	9535						Eu		09/27/91
1200	1400	USA	WCSN	21670							Eu	60 deg	Sa-Su
1200	1400	USA	WSNB/1	9495							eNA	25 deg	09/22/91
1200	1400	USA	WSNB/2	13760							CA	182 deg	09/22/91
1200	1300	USSR	R Moscow	17815	17765	17755	17620	17600	15590	15550	15535	World Service	9600 v Cuba
1230	1255	Belgium	BRT	21810							NA/seAs	Su	09/21/91

1230	1300	Yugoslavia	R Yugoslavia	21605	17740	17710			Aus/NA/seAs		09/21/91			
1300	1400	England	BBC	15220	11820	9740	9515	6195	WS: NA/CA/Carib		09/26/91			
1300	1400	Ethiopia	V of Ethiopia	9560	7165				wAf		09/13/91			
1300	1330	Norway	R Norway Int'l	25730	9590				Af/Eu	Se & Su only	09/22/91			
1300	1355	Romania	R Romania Int'l	17850	17720	15365	11940		Eu		09/11/91			
1300	1400	USA	KHLS	7355					As		09/21/91			
1300	1400	USA	WHRI/1	11790					Caribbean	157 deg   N-Sa	09/22/91			
1300	1500	USA	WHRI/2	9465					NA	42 deg	09/22/91			
1300	1400	USSR	R Moscow	21655	17815	17765	17570	15550	15540	15155	15110	World Service	#10 v Cuba	09/13/91
1310	1327	China	Int'l Red Cross	11690	7480				s&seAs/Far East			Mo&Th after last Su	09/21/91	
1330	1430	Australia	R Australia	21720	11720	9710	9580	7240	6080	5995		As/Pac/PapNG		09/21/91
1330	1400	Austria	ORF	15430	11780				As			As		09/21/91
1330	1400	Sweden	R Sweden	21570	17740				As/Pac			As/Pac		09/24/91
1330	1400	Switzerland	Swiss R Int'l	21695	17830	15505	13635	11695	7480			eAf/India/AusNZ	#566 v China	09/29/91
1330	1400	Turkey	V of Turkey	9675					swAs			swAs		09/22/91
1345	1400	Vatican State	Vatican Radio	17525	15090	9600			As/AusNZ			As/AusNZ		09/22/91
1400	1425	Belgium	BRT	21810					NA/seAs	N-Sa		NA/seAs		09/21/91
1400	1430	England	BBC	15220	6195				WS: NA/CA/Carib			WS: NA/CA/Carib		09/26/91
1400	1500	Japan	R Japan	11815	9535	9505			GOS/As/Am	#2 v Sri Lanka		GOS/As/Am		09/09/91
1400	1600	USA	WHRI/1	15105					Caribbean	157 deg		Caribbean		09/22/91
1400	1600	USA	WSNB/1	15665					eNA/Car	25/173 deg   Sa-Su		eNA/Car		09/22/91
1400	1600	USA	WSNB/2	13760					Mex/wNA	245/315 deg		Mex/wNA		09/22/91
1400	1500	USSR	R Moscow	21785	17670	17635	15590	15550	15540	15375	15155	World Service	#10 v Cuba	09/13/91
1430	1530	Australia	R Australia	13755	12000	11720	9860	9770	9710	9580	7240	As/Pac/PapNG		09/21/91
1430	1615	England	BBC	15205					WS: NA/CA/Carib			WS: NA/CA/Carib		09/26/91
1430	1455	Poland	R Polonia	9525	7285	6135	6095		Eu			Eu		09/27/91
1445	1700	Guam	KTWR	11650					s&seAs			s&seAs		09/24/91
1500	1550	Germany	R Deutsche Welle	21600	17765	17735	15145	13610	11965	9735		s&c&eAf/ME		09/22/91
1500	1600	Japan	R Japan	9505					GOS/NA			GOS/NA		09/09/91
1500	1530	Norway	R Norway Int'l	11870					NA	Se & Su only		NA		09/22/91
1500	1700	USA	WHRI/2	9465					NA	42 deg   occ use		NA		09/22/91
1500	2300	USA	WRNO	15420					NA/CA/Eu	20 deg		NA/CA/Eu		09/22/91
1500	1600	USSR	R Moscow	21785	17670	17655	17635	15140	11840			World Service	#6 v Cuba	09/13/91
1530	1600	Australia	R Australia	13755	12000	9860	9580	7240	6080	5995		As/Pac/PapNG		09/21/91
1530	1600	Austria	ORF	21490	13730	11780	6155		wAf/seAs/Eu			wAf/seAs/Eu		09/21/91
1530	1600	Sweden	R Sweden	21500	17875				NA			NA		09/24/91
1600	1800	Australia	R Australia	13755	13605	12000	11910	9860	9580	7240	6080	As/Pac/PapNG		1 09/21/91
1600	1650	Germany	R Deutsche Welle	17810	15595	15415	15105	11785	9615	7225	6170	sAs		09/22/91
1600	1700	Guam	KSDA	13720					India	285 deg		India		09/22/91

1600	1630	Norway	R Norway Int'l	21730	15230					ME/Af	Sa & Su only	09/22/91		
1600	1700	USA	WHRI/1	15105	11790					Caribbean	157 d #1 Su #2 M-Sa	09/22/91		
1600	2000	USA	WSHB/2	17555						Mex/wNA	245/315 deg Sa-Su	09/22/91		
1600	1700	USSR	R Moscow	21785	17670	11840				World Service	#3 v Cuba	09/13/91		
1700	1800	Japan	R Japan	15345	11815	9505	7140			GOS/ME/Af/Am/As	#1 Sri Lanka	09/09/91		
1700	1730	Switzerland	Int'l Red Cross	7210						Eu	No after last Su/mo	09/21/91		
1700	1800	USA	WHRI/1	15105						Caribbean	157 deg	09/22/91		
1700	2100	USA	WHRI/2	21480						NA/Eu	42 deg	09/22/91		
1700	1730	USSR	R Georgia	12070								09/21/91		
1700	1800	USSR	R Moscow	21845	17670	17655	11840			World Service	#4 v Cuba	09/13/91		
1715	1730	Vatican State	Vatican Radio	7250	6245					ME/eAf/wEu		09/22/91		
1800	2000	Australia	R Australia	13755	13605	12000	11910	9860	9580	7240	6080	As/Pac/PapMG	09/21/91	
1800	2000	USA	WCSN	21640							aAf	105 deg	09/22/91	
1800	2300	USA	WHRI/1	17830							Caribbean	157 deg	09/22/91	
1800	2000	USA	WSHB/1	15665							eNA/Eu	25 deg	09/22/91	
1800	1900	USSR	R Moscow	21845	17670	17655	15460	12030	11940	11890	11840	World Service	#8 v Cuba	09/13/91
1830	1900	Austria	ORF	13730	12010	6155	5945					aAf/ME/Eu	09/21/91	
1830	2000	Bulgaria	R Sofia	17825	17780	15330	11765	11720	9700			World Service: Eu/Af	09/29/91	
1900	1925	Belgium	BRT	15515	9905	5910						Afr/Eu	09/21/91	
1900	1950	Germany	R Deutsche Welle	17810	15350	13790	11905	11810	11785	9765		wAf/ME	09/22/91	
1900	1930	Japan	R Japan	11850	9640	9505						GOS/Oc/Am	09/09/91	
1900	1930	Norway	R Norway Int'l	17730	15220							SA/NA/Af	Sa & Su only	09/22/91
1900	2000	USSR	R Georgia	12015									09/21/91	
1900	2000	USSR	R Moscow	21845	17670	17655	17605	11940	11840			World Service	#6 v Cuba	09/13/91
1930	2030	Iran	R Tehran	9022	6140							ME/rAf/Eu/eNA	09/27/91	
1930	2025	Romania	R Romania Int'l	11940	9750	9690	7145					Eu	09/11/91	
1930	2000	Sweden	R Sweden	15270	9635	6065						Eu/Af/ME	09/24/91	
1930	2000	Yugoslavia	R Yugoslavia	15140	6100							aAf/Eu	09/21/91	
1950	2010	Vatican State	Vatican Radio	7250	5935							Eu	09/22/91	
2000	2100	Australia	R Australia	13755	13605	12000	11930	9860	9580	7240	6080	As/Pac/PapMG	09/21/91	
2000	2100	Cuba	R Havana	15135								ME/eAf	v USSR	09/01/91
2000	2055	Poland	R Polonia	9525	7270	6135						Af	09/27/91	
2000	2030	Portugal	R Portugal	11740								Eu	M-F	09/27/91
2000	2200	USA	WCSN	13770								Eu	60 deg	09/22/91
2000	2200	USA	WSHB/1	15665								eNA/Eu	25 deg	09/22/91
2000	2200	USA	WSHB/2	17555								eSA	137 deg	09/22/91
2000	2100	USSR	R Moscow	15375	11930	12030	11890	11840	9880	9610		World Service	#5 v Cuba	09/13/91
2000	2030	Vatican State	Vatican Radio	15090	11625	9645						cAs&wAf	09/22/91	
2045	2130	Bulgaria	R Sofia	17825	17780	11765						World Service: Eu/Af	09/29/91	

2100	2130	Australia	R Australia	15320	13705	13605	11930	11910	11880	6060	As/Pac/PapMG	#6 -0800	09/21/91	
2100	2200	England	BBC	9590	5975						WS: NA/CA/Carib		09/26/91	
2100	2150	Germany	R Deutsche Welle	15350	11785	9765	9670	6185			As/Pac		09/22/91	
2100	2200	Japan	R Japan	17890	17810	15430	11840	11815			GOS/Oc/As/Eu/ME		09/09/91	
2100	2130	Norway	R Norway Int'l	9590							Greenland/NA	Sa & Su only	09/22/91	
2100	2130	Portugal	R Portugal	17740							Af	M-F	09/27/91	
2100	2125	Romania	R Romania Int'l	11940	11810	9750	9690	7145			Eu		09/11/91	
2100	2150	Turkey	V of Turkey	9445							Eu	best bet for eNA	09/22/91	
2100	2400	USA	WHRI/2	13760							NA/Eu	42 deg	09/22/91	
2100	2130	USSR	R Georgia	11760									09/21/91	
2100	2200	USSR	R Moscow	15375	12070	11930	11890	11840	9880	9610	World Service	#5 v Cuba	09/11/91	
2130	2200	Austria	ORF	9870	6155	5945					WAF/Eu		09/21/91	
2130	2200	Sweden	R Sweden	6065							Eu/AF/ME		09/24/91	
2200	2225	Belgium	BRT	15515	9905	5910					Afr/Eu		09/21/91	
2200	2300	Cuba	R Havana	9710							Eu	v USSR	09/01/91	
2200	2300	England	BBC	9915	9590	7325	5975				WS: NA/CA/Carib		09/26/91	
2200	2300	Hungary	R Budapest	11910	9835	6110					Eu		09/29/91	
2200	2255	Poland	R Polonia	7270	6135	5995					Eu		09/27/91	
2200	2400	USA	WCSN	13770							sEu	75 deg	09/22/91	
2200	2400	USA	WSHB/1	9465							eNA/Car	25/173 deg	09/22/91	
2200	2400	USA	WSHB/2	17555							cSA	152 deg	09/22/91	
2200	2300	USSR	R Moscow	15385	12070	11930	11890	11840	11750	11745	9880	World Service	#5 v Cuba	09/11/91
2200	2245	Yugoslavia	R Yugoslavia	15140	6100						sAF/wEu		09/21/91	
2230	2300	Lithuania	R Vilnius	6100							Eu		09/21/91	
2245	0100	Bulgaria	R Sofia	17825	15370	15310	15110	11660	9700		World Service: Eu/NA		09/29/91	
2245	2305	Vatican State	Vatican Radio	11830	9600	7305					As/AusNZ		09/22/91	
2300	0200	England	BBC	9915	9590	7325	6175	5975			WS: NA/CA/Carib		09/26/91	
2300	2400	Japan	R Japan	17810	15430	15195	11815	11735			GOS/As/Eu/ME/AF	#5 v Gabon	09/09/91	
2300	2330	Norway	R Norway Int'l	11925							NA/CA	Sa & Su only	09/22/91	
2300	2350	Turkey	V of Turkey	11710	7185						Eu/ME	NA svc off to 2/92	09/22/91	
2300	0800	USA	WHRI/1	9495							Caribbean	157 deg	09/22/91	
2300	0300	USA	WRNO	7355							NA/CA	Spanish Tu-F	09/22/91	
2300	2400	USSR	R Kiev	5960							Eu		09/28/91	
2300	2400	USSR	R Moscow	9855	9735	9720					World Service	#3 v Cuba (7)	09/11/91	

Changes entered between 09/01/91 and 09/29/91.

ENGLISH LANGUAGE DX SHOWS: By Day of Week  
Compiled by Thomas R. Sundstrom, W2XR

Shortwave DX Program	Show Xmen Start Start Time Time Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Target Area	Notes re DX Show	Record Last Updated
** DAY OF THE WEEK: Sunday												
Radio World	0035 0030 Belgium	BRT	13710	13655						NA/SA		09/21/91
World of Radio	0305 0000 USA	WJCR/1	7435									09/21/91
DX Log	0330 0300 Hungary	R Budapest	11910	9835	6110					NA		09/29/91
Signals	0335 0000 USA	WJCR/1	7435									09/21/91
Shortwave Panorama	1330 1330 Austria	ORF	15430	11780						As		09/21/91
Shortwave Panorama	1530 1530 Austria	ORF	21490	13730	11780	6155				NA/SA/Eu		09/21/91
** DAY OF THE WEEK: Monday												
R Sofia Calling	0030 2245 Bulgaria	R Sofia	17825	15370	15310	15110	11660	9700		World Service: Eu/NA		09/29/91
R Sofia Calling	0545 0400 Bulgaria	R Sofia	17825	15160	11720					World Service: NA/Af		09/29/91
Shortwave Panorama	0630 0630 Austria	ORF	6015							NA		09/21/91
Radio World	0735 0730 Belgium	BRT	13675	11695	5910					Eu/Aus		09/21/91
Radio World	1005 1000 Belgium	BRT	21815	13675	9855					Afr/Eu		09/21/91
Radio World	1405 1400 Belgium	BRT	21810							NA/SA		09/21/91
R Sofia Calling	1930 1830 Bulgaria	R Sofia	17825	17780	15330	11765	11720	9700		World Service: Eu/Af		09/29/91
** DAY OF THE WEEK: Tuesday												
Sweden Calling DXers	1340 1330 Sweden	R Sweden	21570	17740						As/Pac	1st & 3rd Tu/mo	09/24/91
Sweden Calling DXers	1540 1530 Sweden	R Sweden	21500	17875						NA	1st & 3rd Tu/mo	09/24/91
Sweden Calling DXers	1940 1930 Sweden	R Sweden	15270	9655	6065					Eu/Af/NE	1st & 3rd Tu/mo	09/24/91
Sweden Calling DXers	2140 2130 Sweden	R Sweden	6065							Eu/Af/NE	1st & 3rd Tu/mo	09/24/91
DX News	2230 2200 Hungary	R Budapest	11910	9835	6110					Eu		09/29/91
Sweden Calling DXers	2340 2330 Sweden	R Sweden	11705	9695						LA	1st & 3rd Tu/mo	09/24/91
** DAY OF THE WEEK: Wednesday												
Sweden Calling DXers	0110 0100 Sweden	R Sweden	11705	9795	9695					NA/As/Pac	We after 1&3 Tu/mo	09/24/91
Sweden Calling DXers	0210 0200 Sweden	R Sweden	11705	9695						NA/LA	We after 1&3 Tu/mo	09/24/91
DX News	0330 0300 Hungary	R Budapest	11910	9835	6110					NA		09/29/91



Sweden Calling DXers	0340	0330	Sweden	R Sweden	11705	9695		LA	We after 1&3 Tu/mo	09/24/91
DX Log	2230	2200	Hungary	R Budapest	11910	9835	6110	Eu		09/29/91
** DAY OF THE WEEK: Thursday										
R Sofia Calling	0030	2245	Bulgaria	R Sofia	17825	15370	15310 15110 11660 9700	World Service: Eu/NA		09/29/91
Waveguide	0130	2300	England	BBC	9915	9590	7325 6175 5975	WS: NA/CA/Carib		09/26/91
DX Log	0330	0300	Hungary	R Budapest	11910	9835	6110	NA		09/29/91
R Sofia Calling	0545	0400	Bulgaria	R Sofia	17825	15160	11720	World Service: NA/Af		09/29/91
** DAY OF THE WEEK: Friday										
Radio Ham Corner	1250	1230	Yugoslavia	R Yugoslavia	21605	17740	17710	Aus/NA/seAs	biweekly	09/21/91
R Sofia Calling	1930	1830	Bulgaria	R Sofia	17825	17780	15330 11765 11720 9700.	World Service: Eu/Af		09/29/91
Radio Ham Corner	1950	1930	Yugoslavia	R Yugoslavia	15140	6100		sAf/Eu	biweekly	09/21/91
DX Show	2015	2000	Portugal	R Portugal	11740			Eu		09/27/91
R Sofia Calling	2100	2045	Bulgaria	R Sofia	17825	17780	11765	World Service: Eu/Af		09/29/91
DX Show	2115	2100	Portugal	R Portugal	17740			Af		09/27/91
DX News	2230	2200	Hungary	R Budapest	11910	9835	6110	Eu		09/29/91
Radio Ham Corner	2235	2200	Yugoslavia	R Yugoslavia	15140	6100		sAf/WEu	biweekly	09/21/91
** DAY OF THE WEEK: Saturday										
R Sofia Calling	0030	2245	Bulgaria	R Sofia	17825	15370	15310 15110 11660 9700	World Service: Eu/NA		09/29/91
Radio Ham Corner	0310	0230	Yugoslavia	R Yugoslavia	11885	9555		NA/NA	biweekly	09/21/91
DX News	0330	0300	Hungary	R Budapest	11910	9835	6110	NA		09/29/91
R Sofia Calling	0545	0400	Bulgaria	R Sofia	17825	15160	11720	World Service: NA/Af		09/29/91
Radio World	0735	0730	Belgium	BRT	13675	11695	5910	Eu/Aus		09/21/91
Radio World	1005	1000	Belgium	BRT	21815	13675	9855	Afr/Eu		09/21/91
Radio World	1405	1400	Belgium	BRT	21810			NA/seAs		09/21/91
World of Radio	1900	1800	Costa Rica	R for Peace Int'l	21465	15030	13630	LA/NA	also hrd @ 1930	09/21/91
Radio World	1905	1900	Belgium	BRT	15515	9905	5910	Afr/Eu		09/21/91
DX Radio Tips	2120	2100	Turkey	V of Turkey	9645			Eu	Biweekly	09/22/91
Radio World	2205	2200	Belgium	BRT	15515	9905	5910	Afr/Eu		09/21/91
DX Log	2230	2200	Hungary	R Budapest	11910	9835	6110	Eu		09/29/91
DX Radio Tips	2320	2300	Turkey	V of Turkey	11710	7185		Eu/NE	Biweekly	09/22/91

# Publisher's Page

Bill Oliver  
45 Wildflower Road  
Levittown, PA 19057



## NO COLLECT CALLS, PLEASE.

WANTED: 390A or SP600 in good to excellent condition. Larry Kramer, 13541 WCR 4 1/4, Brighton, CO 80601. Phone (303) 659-2665.

WANTED: Bird 43 with element 2,500H. Kenwood YK-88SN-SSE and YK-88CN-CW. Scanner AOR 3000. Datong FL2 filter. All should be in good working condition. Mario Portalatin, 6381 West 24 Court #108, Hialeah, FL 33016. Phone (305) 362-0447.

WANTED: User's guide and schemat for a Uniden CR-2021. Copy of original ok. Joe Freeborn, 703B Oklahoma Drive, Petaluma, CA 94952. Phone (707) 765-9261.

WANTED: 1988 and 1989 WRTH. Andres Herrschaft, P.O. Box 3693. Portland, ME 04101. Phone (207) 773-1562.

WANTED: Radio aircheck collectors to swap quality tapes from around the world. I have over 1500 stations from all over the world to share with fellow collectors. Steve Taaffe, 9414 West 12, Wichita, KS 67212.

FOR SALE: JRC NRD-515, \$600.00. Sony ICF-2010, \$250.00. MFJ-1029B tuner/preamp, \$65.00. Radio Shack PRO-2011, \$50.00. Discone scanner antenna, \$30.00. Alpha Delta DX Sloper (never used), \$55.00. Datong AD-270, \$80.00. Daiwa Coax switch, \$15.00. Morning dist. tuner, \$15.00. Total merchandise is \$1160.00. You can have the lot for \$700.00! All in excellent condition with manuals. Will also sell separately. Money orders only, please. Ssgt. Vincent Havrilko, P.O. Box 2127, APO NY 09057. Shipping prepaid.

FOR SALE: National NC-120 H.F. receiver. Just reconditioned and works perfectly. Price \$100.00 plus shipping or best offer. WANTED: Service or operator's manual for Collins R388 URR receiver. FOR SALE: Consumer World Band Portable Shortwave Radio. Ten bands, LW, AM, FM, and seven SW bands to 30 MHz. Has built-in World Time Zone map and telescope antenna. AC/DC portable. Fourteen day free home trial. Compare with similar radios selling up to \$300.00. Only \$39.95 plus \$5.00 S&H. Tom Buchanan, P.O. Box 221, Hartsville, SC 29550-0221.

FOR SALE: ICOM R-71A. Customized by Gilfer. Has 4.0 kHz filter and pre-amp effective into AM band. A-1 shape. Price of \$625.00 includes shipping. ALSO: Customized beam headings (from/to) and sidtances (MI/KM) to over 470 WRTH-91 transmitter sites. ITU Country Coded included. Send your location/coordinates, \$6.75. Complete "Passpoet to World Band Radio" '89, \$6.95. WRTH-87, \$6.95. WRTH-90, \$8.95. All items include shipping. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

WANTED: Old shortwave radios such as Zenith, Scott, and Hallicrafters in any condition. C. Blatter, 610 West Sunset Drive, Redlands, CA 92373. Phone (714) 792-4184

## NOTICE:

Members have again been asking about the NASWA Publisher Page ads. There is no charge for these ads, but they can normally be included for only one month. An additional printing requires another ad. This is done to avoid using space to run ads for items that have already been sold. Submit all ads to NASWA, 45 Wildflower Road, Levittown, PA 19057. When possible, avoid abbreviations and please specify who is to pay shipping costs. All ads will be printed when space is available.

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# NASWA

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North American Shortwave Association

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