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World Radio TV Handbook

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to

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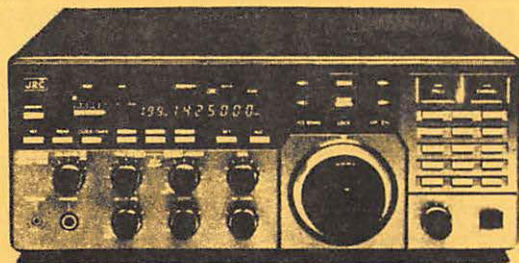
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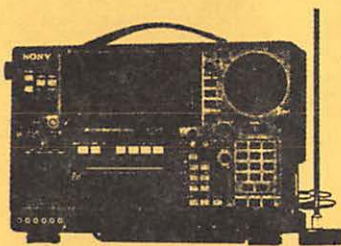


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From the Executive Director

Chuck Rippel
1272 Parkside Place
Virginia Beach, VA 23454
COMPUSERV- 72571,1046

First, I'd like to clear up a typo on my part. Last month I mentioned that there would be a member survey in that issue of *FRENDX*. The survey instead appears in this issue. More about this later in the column. Thanks to Bill Stevens and several others who called this to my attention.

The mail brought several other letters this month.

- Rev. William Peake of Buffalo Center, Iowa, a NASWA member since July, heard about us from the successful CPRV Program. He joined NASWA to more finely tune his hobby skills. He would like to upgrade his equipment and is considering either a Kenwood R-5000 or a Grundig 850. (I'd go for the Kenwood, Bill. ed) He also expresses a desire to help NASWA, so I am sending his letter to Vern Hyson, who is currently revising our new member packet. I am sure that Bill's comments on the packet will be useful.

- John Tuchscherer, a foremost authority in our hobby, submitted an article on an All-Band SW Antenna to be published in *FRENDX*. You can bet if John is calling attention to such an antenna, it must be outstanding! I am having some graphics done for the article and it will be published next month. Thanks for your work, John.

Even though we feel there are many needs within the hobby that NASWA can meet more effectively than any other club or publication, there are some needs which can be better met by organizations other than NASWA. A mid-month DX news sheet is one example. Because member contributions have been extremely low, NASWA has been considering the future of DX'tra, our mid-month news sheet. The leaders of NASWA, with the cooperation of editor Bob Hill, have regretfully elected to discontinue publishing the DX'tra.

We plan to issue full credit for unpublished issues to those members now receiving DX'tra. Details of this refund will be in the final issue of DX'tra which you should be receiving shortly. As an alternative to DX'tra, NASWA endorses the newsletter published by Fine Tuning. A weekly publication, Fine Tuning makes available some of the most timely and accurate DX news available within the hobby today. Cost is a nominal \$.60 per issue with a 20 issue minimum. The subscription address is:

Fine Tuning
P.O. Box 780075
Wichita, KS 67278

Some other interesting items:

- I am happy to report that NASWA membership has reached an all-time high. According to publisher Bill Oliver, we received subscriptions from over 20 new members in just one week in September! On behalf of the Executive Council, I would like to welcome all of you to NASWA.

- On Sunday, Sept. 24th, I learned via the 7.240 ANARC SWL Net that the date for the 3rd Annual Winter SWL Festival has been set. Mark your calendars for February 23, 24, and 25th and be prepared to have a super weekend. The place will again be the Holiday Inn in Kulpsville, PA, which is near Philadelphia. Since the first gathering in 1988, the Winter SWL Fest is rapidly becoming an institution. Stay tuned for further details.

- Have you obtained a copy of "Proceedings 1989" yet? If your hobby activities lean toward DX'ing, I would suggest having a copy in your shack for use during the 1989-1990 DX season. For particulars, read member Rich D'Angelo's review appearing in this issue of *FRENDX*.

- Also, be sure to take a look at John Bryant's Indonesian primer appearing with "Log Report A" this month. Not yet an enthusiastic "Indo" DX'er myself, John's article is certainly informative and provides an effective introduction to short wave broadcast activity from this fascinating area of the world.

- Many of you have noticed changes in the content and format of *FRENDX* over the past months. We hope you feel they have all been for the better. We now need your help in directing further upgrades to both the bulletin and the club in general. This will be done through the member survey found in the center of this month's issue. NASWA needs your well thought out input. For your efforts, we will extend the *FRENDX* subscription of each responding member by one month. To qualify for the extension, simply remove the survey from the magazine, fill it out and, following the instructions, mail it to us by the date indicated. Remember, NASWA really cares about the needs of its members. Now is the time to make your opinions known!

DX'ers Forum

*Dedicated to Furthering
the Art, Science and
Enjoyment of DX'ing*

Conducted by Rowland Archer, 5524 Hawthorne Park, Raleigh, NC 27613

October, 1989

Most DXers are a little nutty about maps and travel books, and the local bookstores never seem to carry the more exotic items. My wife and I have done enough mailorder to get on the list for every catalog known to man, and this month a new one arrived that may be of interest to you. **Rand McNally's Holiday Catalog** is 46 pages of maps, travel videos, globes, atlases, foreign language aids, world time clocks, and on and on. Some of the items that caught my eye included a \$35 World Travel Adapter kit to convert voltages when traveling abroad; a \$100 English/Spanish and English/French translator with a 20,000 word vocabulary; travel videos including Malaysia, India, and Singapore; and a 200 page Atlas of China for \$40. You can write for a free catalog to:

Rand McNally
P.O. Box 1697
Skokie, IL 60076

It pays to get the ID, every time. A few weeks ago I was straining through the late August static on several mornings, trying to get an ID from the Latin American station on 3289.7. The only listed station that made sense was **Radio Tayabamba** on 3290, and it was certainly conceivable that they had drifted down a few hundred Hz. The music was Andean, but when the announcer gave the ID through the static crashes it seemed to have two syllables, not four, and it didn't sound like "Taya..." either. It was very tempting to blame the missing two syllables on the static and the lack of phonetic fit on the mushy audio. I could go for a R Tayabamba tentative ID based on fade-out time, language, music, and frequency; but experience told me that jumping the gun often backfires when deep-down you know that you're not *really* sure yet.

Sure enough, this station's ID *does* have two syllables: It's the new **Radio Centro** in Ambato, Ecuador. **Kevin Atkins** pulled the ID out of the mud as "*Radio Centro, Ambato, Ecuador, el Mundo,*" followed by sirens, as reported in **Fine Tuning #529**. Nice going Kevin! I got the sirens, anyway!

Scotland's Only SWBC Station: Weekend Music Radio — Part II

by Jack Russel

This month we present the second and final installment of the Weekend Music Radio story, as told by its operator, Jack Russel. My apologies for the extensive edits due to space limitations. WMR continues to be very active, with the most recent reports being on 15042.8 on 8/20, with a special broadcast to tell the world that the ship hosting the famous Radio Caroline had been raided by the Dutch government. Jack was kind enough to send me a tape of that broadcast, thanks! -Ed.

Wur second Sunday schedule went out OK in July, 1980 and in August, WMR came from a different site, due to two reasons. One, the same

site had been used a few times now and we reckoned a change was needed, and two, Dave Anderson was still on the Manor Park ship in Sunderland where Mike and Jack had left a few days before, to have the broadcast put out on schedule. Mike had a party at his place the Saturday night 9th August and to save driving down to Jack's, the transmission was put out from a different QTH, on a hill in the country, which involved a long walk with car batteries and transmitting equipment.

Nevertheless the station was heard, but something not so well known by us then but certainly now, was the skip. Long skip that day gave us a fair

The Budget Portable DX Shack

by Dan Sheedy

In the August '89 DX'ers Forum, I described the "Portable DX Shack" I use when I'm on the road. Dan recently enjoyed a vacation in Tobago, and managed to sneak in some great DX when he wasn't working on his tan! Here's Dan's run down on his version of the Portable DX Shack. -Ed.

I only take carry-on luggage, which limits the extra goodies you can have along. I stuck with the 2010, the supplied 15-20' piece of wire, MDR20 'phones from Sony (multiple usage, with the Walkman, too), a clock (not really necessary as the Sony has one aboard, but obsessive-compulsive is what I am), a raggedy notebook and a couple of pens (one with highlighter attached), the Latin American section of the *World Radio TV Handbook* (yeah, I chop my copy..for shame..), a copy of my hitlist, and the MW frequency listing from WRTH (for shame again). Everything fits in a LL Bean "Deluxe Sportsman's Seat Bag" (incipient yuppiedom? no, I just like their stuff) with plenty of room for clothes, toilet articles, passport, a couple books, tickets/boarding passes, bits of food, sunglasses, guidebook(s). There's space left for bringing home the essentials (rum, hot sauces, photos, shells, and wooden/shell totemic craft items (to propitiate "Those Who Were Left (Thankfully) Behind")!

Yes! I also used battery power exclusively for the same reasons you did [*might not be enough outlets in the hotel room, power voltage differences encountered in international travel, bulk and weight of AC adapters. -Ed.*], no tape recorder (too much bulk, even with the small Marantz 420) — and I do pretty good verbatim logs after many years of goofing them up. Also, I don't send reception reports, so taping is fairly superfluous. I don't bring a lot of extra DX info. I knew I was going to concentrate on LA's and MW, so I could leave the references such as *Tropical Band Survey*, *Home Services Outside the Tropical Bands* and the recent bulletins at home, gathering dust.

If I'd been going someplace where the language barrier would have been a problem on SW/MW, such as Asia, Europe or Africa, I'd have taken more reference material. Next time I might try an antenna tuner just for grins as the 2010 overloaded consistently on 120/90M, and this in an area where there's not a lot of RF bouncing around — Trinidad is pretty quiet. But even with the small hunk of wire I was able to drag in RIAS, West Berlin on 6005, R. San Miguel, Bolivia on 3310.4, AFCN on 1420, my birthplace and one "country" I've wanted to log ever since I started DX'ing [*This is the AFRTS outlet in the Canal Zone, listed as ACB20 in WRTH. -Ed.*], and a couple of 120M Brazilians. Might even eschew the clock next trip, but mostly for tidyness, as its weight is negligible. If I can dream some..a smaller version of the 2010 (hey! the memories are useful, but I'd settle for a TUNABLE (.1 kHz) SW1S clone).

Oddly enough, in each of the four hotels/inns we stayed at, the usual hash and electronic crud wasn't a real problem! The only exception, even more oddly, was at the most remote spot — huge noise level — and no TV's, neon lights, etc. It did go off on occasion, though, so it worked out OK. As for the antenna, mostly I just flung the wire around and let it go at that. Obviously this is an exception to the general rule, so I guess, "beware of antenna placement" and I endorse your "stick it out the window on the balcony" idea. Every little bit of wire not surrounded by steel helps.

* * *

I enjoyed reading about Dan's approach to Traveling DX and I hope you did too. I'll be glad to print some more articles like this so if you have some ideas on how to improve DXing on the go, or would just like to tell us about your approach, please write it up and send it in. -Ed.

signal in Sunderland, but also gave us our first report from Switzerland. This broadcast was also helped by our other faithful follower at this time, Ricky Stevens, who was rarely on the air, but a great help transport-wise and site-wise. We first met Rick on that first official broadcast on 8th June, that wet morning outside Jack's house. Dave and Jack were coming from the first tape change, Mike was monitoring, and a car drew up with a Caroline sticker, which raised our already nervous suspicions. This however turned out to be one of the people who wrote to us for the first transmission that we did, whom Mike James had been in contact with and told him to come down, but omitted to tell us!!

August 21, 1980 saw the first inter-station broadcast, with Barry Stevens and Barry Lancaster, a lad from the Leicester area who was well known with Radio Gloria and the likes at that time. Barry Stevens was of course running the ever popular **European Music Radio**. Our name was not a take off of that but of the rumoured name for the Radio Delmare ship project in 1978-79.

On January 2, 1981 we had our first test transmission to North America on 6260 kHz from 0530-0800. This resulted in one report from the states and one from Ecuador, South America from Stig Hartvig Nielsen [*Yes, the very same Stig Nielsen of the "800 Unanswered Letters in Greenland" fame! -Ed. J*], a Danish DXer on tour in that country near the Peruvian border, which amazed us.

The following test on 15th February brought 10 or so letters from the USA. The transmitter we used for this and the other tests and of course the normal transmissions was a simple EL84 oscillator into an 807, with a power output of around 20W. This was originally a 6CH6 changed to an EL84 by Luis Nieto at his home in Falkirk in November 1980.

Our transmitter had from the second Sunday in November not tuned up to the full 100mA, and gradually got worse in December resulting in weaker signals all round. The November broadcast was shortened anyway, as while we monitored the signal, we had tuned to the neighbouring frequency of 7315 to Radio Woodstock's live programmes being interrupted by a raid by the Post Office, so we somewhat nervously switched off prematurely that day, just in case.

In February we moved to 6260 kHz having tried and failed on some of the other 41m frequencies due to the foreign interference. Our 15th February schedule, as well as the most successful test to the USA, also included the very last EMR scheduled transmission, and the official

closedown. The signals were not the best and the transmitter was becoming unreliable. Luis Nieto had the rig for a while in the summer of 1981.

Homer built us a generator out of an old car alternator and a lawnmower engine

WMR had a visit from two German friends, Daniel Kaye and George Strong/Mark Jones (our German DJ), as well as Mike Ross from Salisbury. This was the time when WMR had no rigs in our possession and we could not help but think our German friends were a little confused visiting a radio station with no transmitters. On August 2, 1981 more visitors, this time Barry Stevens again with Barry Lancaster, as well as Radio Solent City man Andy Gillan. There was a new transmitter for WMR this day, built originally by Barry Stevens for Radio Jackie, and was the rig which the EMR QSL's said 50W input. Output may well have been in the region of 30 or so watts. It was well-tested the night before, and the following day a chap called the Homer built us a generator out of an old car alternator and a lawnmower engine. This device had successfully operated a CB in the woods and no reason why the tx should not operate well too, giving us longer operating times as this new rig would be heavy on the batteries. The noise the thing made in the wood was incredible, and Dave Anderson's reluctance to go near the thing that day is well remembered.

Even as the seven of us trooped around the woods acting very suspicious another chap, a local lad, The Virginian we'll call him, landed up. When it was time to switch on the transmitter it would not work, and it looked as though the generator engineer had connected the leads in reverse. Since then there has been no attempt at using that generator. The same day Andy had the old Radio Solent City South transmitter and a car battery back up, but this failed to operate too. So again WMR was silent and had another broken rig. In fact this time there were 6 transistors blown, two in each inverter. With those and the output valve (6146) replaced on a visit to Falkirk in November, WMR made a comeback on 6290 on 8/11/81. The other little rig was also repaired and we now had a back up.

Here's a quick run through of the highlights of the ensuing years:

DXing Brazil from Turners Falls, MA

by Robert Pietraszek

I'd like to officially welcome Robert to NASWA, as he has been with us for only a few months now, and has already made a nice contribution to FRENEX. Robert's letter shows once again that the DX is out there, you just have to keep trying for it! -Ed.

Back on August 8, I sat down and read the article in *DX'ers Forum* about *DXing Brazil from Brasil*, and thought how great it would be to hear stations right there on location with such good reception. I began listening to shortwave when I was 13 years old in 1968 and as I read through many of the loggings, I found that in all of these 21 years I had never even heard of half of these except for the very basics like **Radio Globo** and **Radio Nacional**. It would be interesting to listen to something like **Radio Relogio Federal** but I would probably have to go way down south to hear it. I was in for a real blessing from God that night.

I sat down tuning around the 60 meter band and it all sounded unusual. Everything except for **Radio Tachira** was in Portuguese. It was all over the 60 meter band. I immediately picked up the loggings in the *DXing Brazil* article that I read that morning and tuned into 4755 kHz. It turned out to be **Radio Educacão Rural** which in turn was followed by **Radio Relogio Federal** on 4905 kHz, **Radio Difusora Londrina**, **Radio Capixaba**, **Radio Anhanguera**, **Radio Difusora Amazonas**, **Radio Universo** on 6060 kHz underneath Buenos Aires and **Radio Cancão Nova** on 4825 kHz in parallel to 9675 kHz.

Over a three night period, I was able to identify nine new Brazilians between 0000 UTC until most faded out by 0150 UTC. I know there were others but I never could get an ID. The radio I was using was a Sony ICF-2010 with a telescoping antenna and the synchronous detection was a big help at times. Reception was just fair for most of these and it took a good deal of ear straining but it was a real experience and very unusual for me to hear one country dominating a whole band. It was like it was all set up and planned from the moment I started reading the article and then having three evenings in Brazil and I didn't have to go anywhere except my own living room. It shows that nothing is impossible on shortwave.

* * *

Not much to add to that Robert! I'm glad you enjoyed such a great opening to Brazil. This hobby is definitely filled with surprises and coincidences. I recently sent out a bundle of followups after a six-week dry spell of no QSL's - sure enough, at the same time the postman picked up the followups, he left a QSL for one of them! -Ed.

December 27, 1981: Another test to the States, with even better response than before. Added Canada to our map. Live programmes.

Christmas, 1983: Multi-channel experiments. Two small rigs into one antenna, another into a separate antenna.

Spring, 1985: WMR moved from a single wooden hut to one double its size.

Christmas, 1985: Live phone calls taken on the air from those who knew the number.

Easter, 1986: Marathon transmission with three rigs on the air at the same time, 20W on 6930, 20W on 6290, and the 100W rig first on 1611 and then later changed to 5010kHz.

Christmas, 1986: The usual marathon transmissions, with live phone-ins, and multi-freqs, but no split programming. We had Huggy Bear playing accordion music in the studio.

Christmas, 1987: We operated on the 25th, 26th, and 27th, but on the 27th we were unable to go on a reliable freq after 1300 when someone unknown decided to jam our transmissions. We switched from 6285 to 6240, back to 6285 and to 6315 only

to be followed around by the unknown tone!! Jack was tired of changing xtals all the time, a dangerous task on the WMR rig!

Staff over the years have been quite numerous, there have been a reliable team of both presenters as well as site staff. At present there is only Jack Russel and Dave Anderson left, Mike is currently elsewhere. Past presenters have been, apart from the above three, Stevie Owen, Mark Jones, Mark Jam (Swedish), Karen (Dutch), Bob Curry from Radio Telstar in Edinburgh had one show at the start, Phil Collins of Radio Cavendish, John Dawson, Barry Stevens, Melanie, Mike Ross, Mike and Joey of Radio Rainbow, Germany, Dave Scott, Paul Graham, Alex Newman, (the three previous all did one guest show each), and maybe a few more.

The current transmitters WMR has are the original Mercury 20W, the old 30W EMR, the original Radio Stella 20W, and the new 20W. The old ones have been all totally rebuilt by Jack Russel to the same design as the new ones, EL84 oscillator into an 807 output, with different modulators. The old rigs are just for history's sake, and are not used, and kept in another QTH. There is also the 100W rig again totally rebuilt by Jack, EL84 into 2 EL84's into 2 807's for the PA, and 3 ECC83's into 2 807's for the modulator. The mod transformer was kindly donated by Radio Rainbow, and is of a high quality. There will be extensive work carried out on our transmitter in the coming months, and maybe the introduction of an irregular night time MW service.

Over the years WMR has done a few relays mainly as one of favours for other stations. It certainly is not our policy to put out tapes of other stations on a regular basis. One point, WMR has *never* been relayed by any other station. The following have been heard via WMR at one time or another: Radio Impact, Radio Free City, Radio 49, Quadro Radio, Radio Lough Rea, Radio Delta Elburg Holland, Radio Sylvia, Radio Avalanche, Radio Apollo, Radio Titanic, as well as a message from Radio Rainbow Eire at Christmas 86. We have as stated earlier relayed officially Radio Telstar from Edinburgh, and unofficial relays have been heard of Sunshine Radio, Radio Nova, and Boyneside Radio, the last 4 off air, proper relays, not taped programmes.

At the Anoraks UK convention a test was arranged on the previously publicised 15045 freq, and on October 29, 1988 the first high frequency test of WMR took place, from about 1630-0100, with a continuous loop tape, actually only an old loop with 6317 being announced. In the region of 15 reports were eventually received for this test,

and those being from as far away as Alberta, Canada, Minnesota, Illinois, Wisconsin, as well as the usual "run of the mill" East Coast reports from the USA. This sparked off some renewed enthusiasm for high frequency use, and an extensive Christmas sched was proposed and publicised well in the magazines, DX press and on Radio Canada and WRNO DX programmes by Glenn Hauser. Sched was 25, 26 and 27th Dec and 1st Jan. The first 100W transmitter was to operate on 48M 6317 or 6312, 02-1400UTC, loop 02-09, and live 09-14, including the usual Christmas wishes on air from DXers knowing the telephone number of the studio. Then at 1600-2300 the transmitter was moved to 15043 kHz (the actual freq varies slightly depending on the tuning of the transmitter, but the freq attempted was 043) with a loop tape again. This rig was changed in frequency because it had better audio quality, and as it was a special DX test the best possible quality was desired. The second transmitter had just been built with the same circuit as the first one, but we had not had the time to test it properly. It was to have come on 09-1400 on 15043 kHz, but it broke down during the Christmas day transmissions, and was again aired on 26th Dec, but failed halfway through that day too. On 26th Dec the ex-Radio Solent City South transmitter of 20W was used through the 16-2300 period when the main rig was on 15MHz.

There were an amazing number of phone calls over this period, and we had an on-air number given out too, in England, and many calls were heard from there. For this series of broadcasts there were over 120 letters eventually received, including about 45-50 reports from the USA and Canada, and one amazing report from *Australia* for 15043 at 0945 on 26/12/88. Also put Rumania on our map. There were many reports from Italy, Spain, FRG, DDR, Sweden, Finland, UK, France, Switzerland, etc. Easter saw more broadcasts, but conditions on the high freqs never produced much, 2 reports from the USA, for 2130-0900 transmission, and a few from Europe. The 15045 frequency was bad on Easter Monday, and about 1000UTC WMR signed on 6202 kHz and //15640 kHz. No reports were received for the latter freq. This was using a 7820 xtal doubled up in the oscillator stage. Future plans for WMR, high freq broadcasting on 15, maybe higher, maybe 11 or 12MHz, maybe 26MHz. Keep tuned to SW...

* * *

Indeed we will, and thanks for the fascinating glimpse into the life behind the microphones at WMR. If anyone thought it was easy to do what you do, they don't anymore!



Easy Listening

Editor: Alex Batman, 300 Hill St., Apt. 6, Boone, NC 28607

SUNDAY

- 1530-1600 Sweden Today (Radio Sweden International). News, features, and interviews focusing on modern life in Sweden, usually three or four features per program, some repeats of previous months. Features in the past have included unusual flavors of ice cream (such as beet or beer ice cream) at a Swedish shop, a butterfly-house in northern Stockholm, and boats that sail the Stockholm archipelago. (17.880 // 21.610). Fourth Sunday of the month.
- 0230-2330 Moscow Mailbag (Radio Moscow). Joe Adamov reads and responds to listener's questions about the Soviet Union. Past questions have focused on hotel accommodations, hydro-electric power, government policies, etc., and some have displayed downright hostile opinions which Adamov does his best to counteract. (11.710 // 11.750. Repeated at 0110 on the same frequencies).

MONDAY

- 2200-2215 The Holy Koran (Voice of the United Arab Emirates). Program begins with a chanting of the Koran in Arabic followed by a translation in English and then a commentary on the text. Sermons on Islam. (13.605 // 11.985).
- 0135-0145 Arts on the Air (Deutsche Welle). Deutsche Welle's program on the arts and culture. Since this summer it has included several features on the relation of German writers, artists, and musicians (including Beethoven) to the French Revolution. Other features have included a W. German music festival to be held in the Soviet Union, a feature on the 1930's German opera by Hoffman (an opponent of the Nazis), and interviews with writers, artists, and musicians. (6.145. Repeated at 0335 on 15.205 // 9.545 and at 0535 on 6.120).

TUESDAY

- 1245a-1250 Focus on Europe (BRT). This program tends to concentrate on the doings of the European Economic Community and its preparations for economic union in 1993, although items of interest, such as the rotating European Cultural Capital, are also featured. (17.555. Broadcast earlier on Mondays at 2345a on 9.925).
- 0130-0155 Report from Austria (Radio Austria International). Begins with five minutes of news, largely about Austria but with one or two items of international interest, followed by features on Austria, such as highway traffic problems in Austria, the preparations for the Salzburg Music Festival in 1991 (Mozart's Anniversary Year), the Austrian economy, and the tenth anniversary of Vienna's being named an official UN city. One of the presenters, David Hermges, has a delightful wit and humor that is worth waiting for through other features that may frankly be less interesting. On the whole, however, this is quite a good program (9.870 // 9.875 // 13.730). Daily.

WEDNESDAY

- 2345-2400 Focus on the Rubiyat of Omar Khayyam (Voice of the United Arab Emirates). A series of programs devoted to correcting some of the myths surrounding The Rubiyat (largely arising from Fitzgerald's translation in the 19th century) and putting the poem in the context of the time and the place. (13.605 // 11.985).

- 0125-0130 News from Cuba (Radio Havana Cuba). News from Radio Havana Cuba with the emphasis on the local scene, such as conferences held in Cuba, the trial of the generals held recently for drug smuggling, graduation from Cuban medical schools, and the Carnival held in July. Some of the program may include a short diatribe against the proposed TV Marti. (11.820. Repeated at 0325 and 0525 on the same frequency). Daily.

THURSDAY

- 0135-0145 Science and Technology (Deutsche Welle). A program devoted to science in all its various manifestations. Usually includes about three features per program. Past features have included the problem of space debris, the relationship between infrastructure and agriculture in third world countries, surveys of German youth to determine their attitudes towards science and technology, as well as ecological and medical features. (6.145. Repeated at 0335 on 15.205 // 9.545 and at 0525 on 6.120).
- 0230-0245 Jade Bells and Bamboo Pipes (Voice of Free China). Cathy Wong presents Chinese classical music, usually three songs per program. Some seem randomly selected, others tied together loosely by a common theme or idea, such as the past program which featured erhu solos played by a professor of music at a Taiwan university. (5.950).

FRIDAY

- 0120-0150 Japan Panorama (Radio Japan). This program includes a number of the remnants of old Radio Japan programs that were discarded when the station went to its new programming about three or four months ago. "Japan Panorama" includes "What's On?" (entertainment in Japan), "Travelogue" (tourist attractions and out of the way places), "People Living and Working in Japan" (interviews with ordinary Japanese, such as a cafe owner or a clothing designer), and "A Glimpse of Japan" (Japanese lifestyles). Entertaining and enjoyable. (5.960).
- 0225a-0230a Cultural Happenings (Radiobras). "Cinema, theater, the plastic arts, music, and literature in Brazil" as the opening announcement proclaims. Past features have included an exhibit of South American art held in Paris, the restoration of an old bank building for a cultural museum, a biography of a 19th century Brazilian poet, a blues festival in a Brazilian city, etc. (11.745).

SATURDAY

- 0020-0035 Radio Club (Spanish Foreign Radio). Although the program technically answers listeners' letters (each one followed by a Spanish pop or folk song), the bulk of the program is devoted to the "Guess Who?" contest. The contest begins by relating the biography of a Spanish artist, musician, writer, etc., and the listener has to guess his or her name. Letters to the contest must be postmarked by Friday of the following week, and a correct answer is awarded with various prizes, such as tee-shirts, books on Spain, etc. And the contests can be quite difficult. I've only been able to guess one so far. But if you're so inclined, it's a good excuse to peruse an encyclopedia for a while. (15.110 // 9.630. Repeated at 0120 on the same frequencies and at 0520 on 9.630).
- 0315-0325 Give Peace a Chance (Radio Berlin International). News and views of the international peace movement, including memorials for the bombing of Hiroshima and Nagasaki, a relay race for peace through Europe, East bloc government peace proposals, etc. The program does, however, like to remind one that the governments of the Warsaw Pact sincerely want peace while those of the NATO and the West pursue questionable and often dangerous policies. Just in case you'd forgotten, (11.785).

* * *

TECHNICAL TOPICS

Edited by: Ted Benson, WA6BEJ
16285-A Oak Glen Ave.
Morgan Hill, Ca. 95037

THIS IS OUR CLUB...

Too often important phrases become over-used to the point where no one appreciates them anymore. I have had several experiences (haven't we all) where the "powers that be" *claimed* interest in member participation, but bluntly *ignored* it when it was offered. What these folks didn't realize is that people learn quickly - and they remember. It didn't take long before "their" organization withered from apathy and died.

NOT HERE FOLKS...

The movers and doers of NASWA and FRENEX, as well as we Editors, have often said that this is *your* organization, and that we literally craved your participation - and we meant it. Well, it makes me very proud to present here the first two guest articles to appear in the current *Technical Topics* column, submitted by NASWA members Jerry Lineback and Vernon Hyson. Thanks guys! And by the way, the order of presentation was chosen by the toss of a coin.

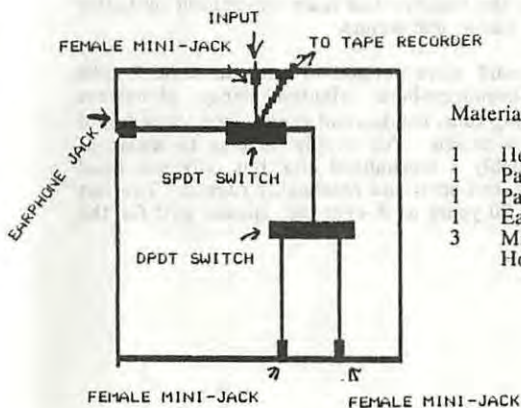
THE AUDIO DIRECTOR

by Vernon Hyson
9835 Lone Eagle Lane
Charlotte, NC 28215

Since I have two accessories in line after the audio (such as it is) comes from my receiver, I wanted to be able to use my headphones, speakers, and tape recorder after the two accessories processed the audio. This was most important to me for the audio filter. But, I didn't want to have to do a lot of plug changing in order to switch back and forth between speaker and headphones, so I hit the local Radio Shack. Now, all are wired in and I use the modern switch to allow jumping between audio receptors, with the tape recorder output on line at all times.

The diagram shows the wiring. I used 2 speakers, but you can add more jacks, plugs and change your switching arrangement for additional speakers or even multiple earphones. If this was done, I would recommend a larger box. I have attached my unit to the bottom of the shelf over my receiver and it is very handy and convenient.

One nice thing about it... if you wire it wrong the silence is awe inspiring... but at least you haven't destroyed anything.



Material List

- 1 Hobby Box (plastic with aluminum cover - 4"x2"x1")
- 1 Panel Mount Mini Switch - DPDT
- 1 Panel Mount Mini Switch - SPST
- 1 Earphone Jack (female)
- 3 Mini Jacks (female) and Mini Plugs (male)
- Hookup wire

**VISIONS OF DX PAST
A REVISIT WITH THE REALISTIC DX-150A**

Jerry A. Lineback

Over the years I have tuned most of the available shortwave receivers and have owned a number of them. I have a weakness for older receivers and have at various times owned a Barlow-Wadley, HQ-180, SPR-4 and others. When I began to change from a SWL to a serious DXer in the early 1970's, the most popular receivers for the younger and less well-off DXer were the Realistic DX-150/160 series. It has been said that these radios were the last, and perhaps only, general use DX receivers ever offered by Radio Shack.

A fund-raising auction was held at a recent DXers convention and one of the donated items was a DX-150A, once owned by the venerable Mississippi DXer, Jack Jones. In a fit of nostalgia, I bid on the receiver and obtained it at what I considered a reasonable price. I took it home and put it on the table next to the 2001 and Drake R-7. For those of you who may not be familiar with the DX-150, it is a solid state 4 band ham-style radio with bandspread tuning. The 150 covers 0.55 to 30 MHz and the 160 has a fifth band for LW. The old receiver worked fine, but two things are immediately obvious about this receiver. It lacks even a logging scale on the bandspread which makes it about impossible to figure out frequencies and you have to keep the RF and AF gain turned down to prevent ear damaging pops and blasts. I attempted to follow frequencies by using the 2001 in conjunction with the DX-150. This did not prove practical, but did show quickly that the 150 is the better receiver. So the 150 was about to become a paperweight when I received my copy of Proceedings-89. An article by Cedric J. Marshall described how to use the frequency counter capability of the Drake R-7 by attaching it to old tube-type receivers by inductive coupling. Well! In a few minutes a loop of wire was inside the 150 and lo and behold a number appeared on the readout of the R-7 when the loop was placed on the bandspread tuning capacitor. A quick calculation showed that subtracting 455 kHz (the DX-150 IF) from the reading produced the frequency of the station the 150 was tuned to. Ain't technology wonderful. Suddenly, the DX-150 was a useable machine. This led to a direct operational comparison between this venerable radio and the Drake R-7.

A review of FRENDEX issues from the early 70's turned up several reviews of the DX-150/160 series and several articles devoted to artifices to get around the lack of frequency readout. The general consensus of the reviews was that the receiver was great for DX except for the readout problem. That problem was and is still shared by ham radio equipment of similar vintage. Late in the life of the DX-150/160, after they were discontinued by Radio Shack, several DXers reported attaching the newly developed digital frequency counter to their 150/160 receivers with good results. But, by that time the receiver had been supplanted by better quality digital radios from Kenwood, Yaesu, and others.

The DX-150 is a simple, no frills solid state version of the standard 7 tube superheterodyne, single conversion, beginning-ham oriented, cheap, shortwave receiver of its day, complete with tuning coils, bandspread tuning, etc. It is full of images as one would expect of such a design. You simply have to be aware of them. It does have a filter, presumably a mechanical one, but only one band width. Its construction is inexpensive, but open and reasonably rugged. The fact that the receiver works as well after 20 years as it ever did, speaks well for the receiver.

Direct comparisons with the R-7 yielded the following results. The DX-150 is stable with no drift to speak of. The counter works only down to 2.5 mHz. Below this the oscillator becomes unstable. The counter does not work on the AM band because there is no IF. AM band reception on the DX-150 uses an internal antenna, is poor and is not further considered in this report.

Sensitivity: The DX-150A is very sensitive. It can detect any signal on the shortwave bands that the R-7 can using the same antenna. The R-7 generally can produce a more readable audio output on very weak signals, but nevertheless, the DX-150 can get the audio out of the mud for you when needed. You have to keep the AF and RF gain turned down while tuning and turn them up as needed to receive a signal. With the counter in place, you can easily tune to a preselected frequency and turn the gain up to see if anything is there. This way you save your ears from being singed by tuning across a VoA transmission.

Selectivity: This old bug-a-boo of early day popular receivers is not a major problem for the 150. Selectivity is broader than the R-7 set on the 6 kHz filter, but in real-life situations, the DX-150 can easily separate two strong stations 5 kHz apart on any SW band and can also provide a readable signal from a weak station 5 kHz from a strong signal. In a really difficult situation, I listened to Ecuador on 5058.8 while a strong Costa Rica was on 5055. The R-7 passband tuning easily produced readable signals on each station using the 4 kHz filter. The DX-150 was able to detect the weaker Ecuadorian only at the extreme edge of the side band with a signal that was barely readable. In short, while the DX-150 was not designed with the capabilities inherent in the R-7, it does provide stable and readable signals from shortwave stations in all but the most extreme conditions. No wonder many DXers praised and effectively used the 150/160 receivers in their day.

In summary, Radio Shack would have served its customers better by just supplementing the DX-160 dial with a frequency readout rather than opting for the disastrous DX-300. Attaching a frequency counter makes this receiver, and better quality ham receivers of the same vintage, more than just curiosities. Just remember to subtract 455 kHz on bands B and C and add 455 kHz on band D of a DX-150A.

NOTICE

FRANK ADEN, JR. HAS COMPILED A BOOKLET OF AM/FM/TV STATIONS IN HAWAII. CALLED THE "HAWAII BROADCASTING GUIDE," THE BOOKLET SELLS FOR \$3.50 IN THE UNITED STATES, \$4.00 IN CANADA, AND \$5.00 ELSEWHERE POSTAGE INCLUDED. CHECKS AND MONEY ORDERS SHOULD BE MADE OUT TO FRANK ADEN, JR. THE ADDRESS IS 4096 MARCIA PLACE, BOISE, ID 83704.

ADS ARE PRINTED FREE IN FRENCH WHENEVER SPACE IS AVAILABLE. WHEN SELLING EQUIPMENT, PLEASE STATE WHO IS TO PAY POSTAGE OR SHIPPING COSTS. SEND ALL ADS TO NASWA, 45 WILDFLOWER ROAD, LEVITTOWN, PA 19057.

NASWA Awards Program

Awards Chairman: John M. Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545

Greetings and welcome to the October NASWA Awards Page. The following folks have earned NASWA Awards since our last edition:

- Ewald BARTUNEK, Vienna, AUSTRIA: South American Continental DXer
- John WILKINS, Wheat Ridge, CO: All Continent "QRP" DXer, 5 kilowatt endorsement
- Rev. John C. ECKERT, Collegetown PA: European Continental DXPert
- Kris FIELD, Ambler, PA: European Continental DXer, DX Centurian, Papua New Guinea DXer
- C. Vernon HYSON, Charlotte, NC: Master British Commonwealth DXer - 60 country endorsement, Master Pacifica DXer, Asian Continental DXpert, All Germany DXer, Senior China DXer, Australian DXer
- Sheryl PASZKIEWICZ, Manitowoc, WI: Asian Continental DXPert
- Cris HAZZARD, New Hope, PA: All Germnay DXer
- Charles GAHARAN, Thobodaux, LA: DX Centurian
- Rick KRZEMIEN, Walnut Creek, CA: Senior DX Centurina - 190 country endorsement

**** kap's comments ****

Nice turnout during what is usually the summer doldrums. Vern Hyson decided to keep to his threat of sending me a bale of applications, thanks pal. Father John Eckert was very pleased with his 35th European QSL, as well he should be, not that easy a one for someone who has not been in our hobby for many years.

Our erstwhile Editor in Chief, Doctor Harold Cones (a/k/a Dr. DX) has come up with some neat suggestions for future columns. Hope you folks like them as much as I did. When I received Harold's note my first comment was "why didn't I think of that".

Thanks to all who responded to my ad for older WRTVHs last time around. We apologize to those folks who we had to dissappoint. A few stray issues remain, primarily mid 1980's, a list for SASE.

The "green stamp" (U S Dollar Bill) seems to have taken the place of IRC and mint stamps for return postage in many cases. While it is a completely legitimate means of supplying the cost of return postage in many parts of the world, there are some Third World countries, particularly in Africa, where even the mere possession of foreign currency can create a problem. From our Ham Radio experiences, we find that a lot of DX hams use US \$ partly for return postage and partly to purchase equipment that otherwise would not be available to them.

We are attempting something different with this column. We have previously used Multimate v 3.22 for our word processing along with a dox matrix printer; this time we are using Word Perfect 4.2 along with a ink jet printer. Hopefully everything comes out well, if not blame me and not Bill Oliver, our publisher.

We're still waiting for the first reader to either work or hear KA1SPO on the air. A special Award awaits the winner. To make it fair, no prearranged schedules on this one, OK.

Till next time

*Best,
Kap 9/25/89*



Listeners Notebook

Editor: Bruce MacGibbon, 2295 NE Juniper Ave., Gresham, Ore. 97030

NOTE: BBC Monitoring Service items (WBI for World Broadcast Information) are copyright and may not be reproduced without BBCM permission.

UPDATE - Ref UNID in Sep LN: The AA station Ernie Beher, Kenora, Ontario has been hearing is Radio Tunisia. The 15450.1 freq is also/12005 & 7475. I caught the s/on at 0258 on 9/6, called my AA Syrian friend and he thought the Woman in giving the ID said Tunisiya. I then checked the above //s. Also correction on the s/off. Should have been 2239v. (bmm)

ANDAMAN ISLANDS - 4760, 1530, AIR, Port Blair, News in EG, comment 1545, and sign off at 1603 on 8/19 (Arthur Cushen, Invercargill, New Zealand) and at 1225, about equal level w/China c/c on 8/20, with Hindi talks and Sth. Asian music. Re-tuned at 1520 to find Port Blair in the clear w/Hindi news from Delhi, into EG news 1530, when about equal level w//4860 Delhi. They were still going until after 1610, but I couldn't stay up to check s/off time! (Peter Bunn, Melbourne), and at 1217, Indian music then local ID 1230 and into EG news, xed w/Kunming. Strangely, pgming stopped at 1235, and did not resume. Seems a very strange s/off time. May indicate broadcasts are still intermittent on 8/27 (Geoff Cosier, Melbourne) (via 'OZ DX', Edition No. 44, Sept 89)

ARGENTINA - RAE's Current Announced EG Sked: Daily 1730 Eur,Afr 15345; 02 Americas 11710; 04 (repeat of 02 broadcast) Americas 11710. Non daily broadcast on Mon,Wed,Fri,Sat,Sun to Eur,Afr 15345. Announced this as a 4th pgm but didn't give time. (bmm)

BOLIVIA - 6094.6, 1122, Unid La Paz station. Noted with pgm 'La Hora del Pais' news pgm, ads from Bolivia and some ads for Banco Popular del Peru, but station definitely Bolivian, perhaps new? Is Not Radio Cosmos in Cochabamba, as announced 'adelante estudios en La Paz'; best on Saturdays, as on 7/29, as on weekdays there is strong QRM from VOA. (Gabriel Ivan Barrera, Buenos Aires, Argentina via OZ DX Edition No. 48, 9/89)

CANADA - RCI Freq changes: For the broadcast to the USA now heard at 2200 and 2330 UTC daily and that's for the 'World at Six' and 'As it Happens', the frequency of 11905kHz will be dropped effectively Sunday September 24th. The other two frequencies remain unchanged. As of Sunday October 29th, that's Oct 29th now, these two broadcasts will be heard at 0000 and 0030 UTC. On the weekends, our two hour broadcast will be heard at 0000-0200UTC, and that's also effective on Sunday the 29th of October. And there's good news for funny radio fans, or should I say fans of funny radio. On Sunday starting on Sept 24th, during the first hour of the broadcast that's next Sunday you will be hearing 2 new programs, new to RCI that is 'The Royal Canadian Air Farce'(2200) and 'Double Exposure'(2330). For the broadcast currently heard Mon-Fri at 1200 to the USA and Caribbean there are no frequency changes, but the time of the broadcast moves to 1300 UTC on Monday October 30th. For the Sunday only broadcast to the USA and the Caribbean now heard at 1300 UTC. This is for the program 'Sunday Morning'. The time will change to 1400 UTC on Sunday Oct 29th, but there are no frequency changes. For the daily half hour broadcast to the Caribbean at 2300 UTC as of Sunday Sep 24th, the MW relay on 930kHz via Radio Antilles will be dropped, but, however, there is a possibility that this may be resumed in not too distant future. For the broadcast to Latin America now. 0100 on weekends and 0200 Mon-Fri, as of Sunday Oct 29th 9755 will be dropped. Other freqs remain the unchanged. For the Middle East effectively Sunday Sep 24th for the broadcast 0300UTC daily, the

present frequency 11730kHz will be unchanged. For the Middle East effective Sep 24th for the broadcast 0300UTC daily, the present frequency 11730kHz will be changed to 11925 in the 25mb as well. This is by the Radio Austria relay in Vienna. And for the Mon-Fri 0400 the present frequency of 15275kHz will be changed to 11925, and that's effective Sep 25th. For the broadcast to Europe and Africa currently heard at 0515 and 0545 Mon-Fri, the time will change to 0615 and 0645 effective Sep 25th. There will be as well quite a few frequency changes. As of Sep 25th, the following frequencies will be in use: Via Sackville - 9760 & 6150 & via Daventry 7155 & 6050, 11840 and 9740. For the broadcast to Eastern and Central Europe currently heard at 1445UTC daily. As of Sep 24th the time will be changed to 1545 and the following freqs in use: Via Sackville, daily on 15315 and via Sackville, daily except Sun on 21545 and 17820 and 13650. Also via relay in Britain on 11935 and 9555 and via the Sines, Portugal relay on 15325 and 11915. Central and Eastern Europe currently heard at 1615 daily, the time will change to 1715 daily and the freqs will be as follows: Via Sackville on 21545, 17820, and 15325, and via the relay in Britain on 7235 and 5995. All those changes will go into effect on Sep 24th. For the broadcast to Europe currently heard at 1830 UTC Mon-Fri, effective Monday Sep 25 the new time will be 1930. 17875 via Sackville changed to 11945, and 9555 via Britain changed to 5995. And effective Sep 24th, the broadcast currently heard at 2100 UTC daily to Europe will move to 22 and freq of 17875 will be changed to 11945. Africa: For the daily broadcast heard at 1800, the frequency of 13680 will be changed to 13670 effective Sep 24th. Same as for Mon-Fri at 1900. For the broadcast to Africa at 2130 daily, effective Sep 24th the frequency of 13670 will be added. Indian Subcontinent and SE Asia: 1300 daily, the frequency on the beam to SE Asia will be changed from 15285 to 15210. That change will be effective Sep 24th. (via RCI's 'Listeners' Corner' Pgm on 9/18)

CAPE VERDE - 3930.1, 1926-2010, P.ID, light mx at 2000, 2 short and 1 long time pip on the hour. News. Freq variable by 20-30 Hz. Again active! Beware of S. Korea on 3930 (Roland Schulze, Stuttgart, W. Germany)...Great news. You listed the station name as A Voz de Sao Vincente. When 3930v was last active it IDed as R. Nacional de Cabo Verde. I wasn't sure what you meant by "P. ID". Portuguese ID? or Partial ID? We will be anxious to hear more from you on this one, especially whether it is active during N.Am darkness/near-darkness. Mitch A. Sams. (via Fine tuning #528, 9/2)

CHINA - Radio Beijing Highlights for Oct: China celebrates its 40th anniversary on October 1st. Artists are to gather in Beijing during the festival with their excellent performances. "Culture in China" on October 5th will introduce you to selected songs by some of the ethnic minority singers. Our "Music Album" in October has a series especially arranged for lovers of Chinese light music. If you like Chinese folk melodies as well, tune in on October 8th for some light music based on Chinese folk songs. And on October 7th, "Music from China" features a singer of the Dai nationality living in Southwest China's Yunnan province. The singer Jin Xiaofeng is best loved by the local people who call her the "Golden Peacock". Beijing, as an ancient city in China with splendid architecture and charming landscapes, attracts tourists all the year round. But autumn is the best season for traveling in the city. So, join us in October for an armchair tour of some of its spots of scenic and historic interests such as the Summer Palace, the Great Wall, the Fragrant Hills and so on. "Travel Talk" will be on the air on October 7th, 14th, 21st and 28th. Quite a few foreigners like traditional Chinese music. But what is the most popular instrument used in a traditional Chinese orchestra? "Listeners' Letterbox" will describe one particular such instrument on October 8th. On October 22nd, we will answer a question interesting ice-hockey fans the world over. They might not know the Chinese also play that game. We will give you a picture of ice-hockey and other ice-sports in China. Li Dazhao was among the first few people to disseminate Marxism-Leninism in China and was one of the founders of the Chinese Communist Party. October 29th marks the centenary of his birth. Don't forget to tune in for a story of this pioneer of the Chinese revolution on our regular programme "China Anthology" that day. (Lifang, Audience Relations Radio

Beijing)

List of Radio Beijing Announcers and Reporters (continued from Sept LN): Zhou Li(W) - Cooking Show; Wang Li - Announcer; Qing Ming(W); Zhang Jiaping(W) - Reporter; Liu Hui(W) - Reporter; Xu Huashan(W) - Reporter; Zhou Yusen(M) - Jiling Correspondent; Zhou Yanping(W) - Reporter; Shutian(M) & Zhang Yaun(W) - Idioms and their Stories; Wei Hua(W) (performing double duty) - Culture in China. Xiao Du(W) (Now on again) - Reporter. (Thanks to Chinese friend)

Anniversary Dates of PBS Stations (we can try to hear on SW): Gansu PBS - 9/7/49; Gannan PBS - 1/1/60; Hubei PBS - 5/1/53; Hunan PBS - 11/7/49; Nei Menggu PBS - 1950; Chifeng PBS - 1/1/59; Xilingol PBS - 1959; rbx on 10/1/81; Liaoning PBS - 9/1/54; Jilin PBS - 5/1/49; Heilongjian PBS - 8/54; Voice of Jinling BS - 11/12/86; Zhejiang PBS - 5/6/49; Fujian PBS - 8/24/49; Voice of Strait BS - 8/24/58; Jiangxi PBS 5/25/49; Guangxi PBS - 5/1/50; Sichuan PBS - 10/1/52; Guizhou PBS - 1/1/50; Yunnan PBS - 3/4/50; Xizang PBS - 11/60; Qinghai PBS - 7/14/49; Xinjiang PBS - 12/21/49. Shaanxi PBS - 2/14/53. (Thanks to Tetsuya Kondo, Yokohama, Japan for sending me a "Chinese Radio Handbook" from which this info came.)

Inner Mongolia People's Broadcasting Station - The excellent theme music which is played right before the ID at sign off (and maybe other times) is the music for the song: "The Song of Big Unity of All Nationalities". Part of the song goes: There's a tree that has 10,000 flowers. People of all nationalities are one family. We will follow the Communist Party forever never separated in the next thousand years and ten thousand years. A one thousand year old flower, a ten thousand year old tree, people of all nationalities have a connection in heart. People of all nationalities are one family. (Thanks to my Chinese friend who was an announcer at Nei Menggu PBS.) 7107v, 1418-1423*, Nei Menggu PBS, CC, W w/news about graft and embezzlement, Sports news, an award given to a composer, an award given to an artist and talk of 'University Management Improvement'. This followed by the theme music (mentioned above) then W w/ID & off on 8/25. On 8/26 heard from 1437-1444* (bmm & thanks to ex Nei Menggu announcer for the interesting observations on the news) Note: 1 hour later now w/China off summer time since 9/17.

COLOMBIA - 17864.5V, 0234, Radio Nacional de Bogota, sounded like a class in SS. At 0239 W mentioned 'Hamlet'. At 0301 Clock chimes & 0301 M "Radio Diffusion Nacional de Colombia Reloj de Mundo. Then "Radio Moscow Noticias t/0308 & then news from Radio France. Both in SS. Think it was taped as could find no //of Radio Moscow or Radio France w/SS news on 9/20 (bmm)

COSTA RICA - 7375USB, 0431, Radio For Peace Int'l, EG, M talking about Carp. James Latham said this was a late-night experimental broadcast. Was real good here on 9/15 (bmm)

ICELAND - 13855USB, 11752, ICBS, M reporting a sporting event, crowd cheering. Listened all the way up to 1900 ID. There were a couple breaks during the sporting event such as probably brief news and also pop songs on 9/20 (bmm) 15767USB, 2316, ICBS, M w/news t/2333* on 9/20 (bmm)

INDONESIA - Via Ontario DX Association Bulletin 9/79: From 7/2, David M. Clark, Ontario DX Association Editor visited John Bryant, a member of ODXA, NASWA, & Fine Tuning, staying at his Aunt's cottage on Lopez Island in the "San Juan Islands". "As noted, save for Vancouver Island, this location affords an all-water path to the South Pacific and much of Southeast Asia. In addition, the great circle path to this westcoast location is such that signals from a good part of Indonesia have a chance to propagate with intersecting the northern polar zone where "solar blanking" (due to perpetual daylight) normally blocks summertime reception in the more central and eastern parts of North America. Following is a fairly complete outline of Indonesian Highlights and observations; this data should be useful to DXers "back east" in Ontario and elsewhere for the upcoming fall Indo season":

2359.0 RRI Cirebon - JAWA: Presumed at 1152+ w/chatter by M, Ezl music on guitar or similar to 1159; quick muffled announcement and into SCI. Weak; fast fade at 1200 (7/4) This had to be the number one highlight because Cirebon

- hasn't been reported anywhere in North America (to the best of our knowledge) in recent years.
- 2582.4 UNID: Possible RPDT2 Timor Tengah Selatan, Soe, Nusa Tenggara: Freq fits and supposed to be active but only weak het at 1210 7/4; same at 1126 on 7/5.
- 2694.8 RPKD, Ende - NUSA TENGGARA: Presumed at 1126-1131 w/talk by M & W alternately; no break at the half-hour. Weak on 7/5.
- 2904.8 RPKDT2 Ngada, Bajawa - NUSA TENGGARA: Fair-good at 1135-1144 w/talk by M and numerous mentions of Ngada. (7/4). Also at 1104 w/Jak news by W, //3306. Weak on 7/5...should be a possibility for ECNA.
- 2962.8 RPDT2 Manggarai, Ruteng - NUSA TENGGARA: Very weak w/talk by W at 1145; peaking fair at 1211 w/Jak news, //4753.3. (7/4). Peaked nicely at same time (max. dawn) next day too.
- 3102.0 UNID: Freq fits for RDK Serang, Jawa, but only a weak het 1225 on 7/4...listed in March 1989 OZ DX/FT Indo Survey as "not reported recently".
- 3142.9 RPKDT2 Belitung, Tanjung Pandang - Slumatera: Fair at 1212 (max. dawn) relaying Jak news by W, //4753.3. (7/4) Same time, same story on 7/5...with optimal conditions, I think this one could make it to Ontario.
- 3144.5 UNID - Possible "Amatir" as almost definitely Indonesian yak by M, mentioning various Indo cities between music selections (maybe dedications?). Fair at 1150 and building to quite strong level at 1200+ but broad, muddy modulation. Played 'You Can't Hurry Love' (Supremes) at 1208 but quick announcement (no obvious ID) and off the air at 1210. Only on 7/5...John is going to have one of his Indonesian students check out the tape! John Bryant told me on 9/23, is the second harmonic of 'Radio Veronica Sonata, Kota Mobagu on 1575kHz. Location is near Manado in northern Sulawesi. Address in WRTH 88 not in 89. (Thanks for the phone call, bmm)
- 3204.4 RRI, Bandung - JAWA: Not heard; presume temporarily off. UNID on 3205.6 putting strong het on R. West Sepik (3205) at 0950 on 7/4.
- 3214.8 RRI, Manado - SULAWESI: Good at 1201 w/Jak news (7/3) At 1110 w/Indo pops. Powerful! on 7/4.
- 3222.9 RRI, Mataram - NUSA TENGGARA: Powerhouse level at 1217 w/local pgm. (7/4) Strong at 1210 end of Jak news w/anthem; into local pgm. Their transmitter surely seems to have been spruced up recently - decent modulation on 7/5)
- 3231.8 RRI, Bukittinggi - SUMATERA: Fair w/music pgm 1209 on 7/3 but didn't note their presence 7/4/5 and may have been off.
- 3241.4 RRI, Ambon - MALUKU: Presumed them in passing at 1213 w/talk or news. Fair/some QRM on 7/3...didn't check for//4845.3.
- 3249.9 RRI, Banjarmasin - KALIMANTAN: Presumed at 1215 with talk by W. Weak w/het. John said not audible on Lopez in June near solstice. (7/3)
- 3264.6 RRI, Gorontalo - SULAWESI: Presume this (not Bengkulu) good at 1218 w/Indo pops (7/3). At 1109 w/talk or news by W and loud signal! on 7/5. See also 4902.4.
- 3277v RRI, Jakarta - JAWA: Not heard - now 1400 s/on?
- 3306.0 RRI, Dili - TIMOR TIMUR: Not heard on 7/3. Active next day at 1005 w/lagu and chatter by W (no Jak news). Fair. Retuned at 1100 and carried Jak news, //and better than 4931.6! Checked again at 1200+ (sometimes closes at 1215) and relayed Jak news to anthem at 1220, ad string to 1222, then played 'Paloma Blanca'. Good level (7/4). Also next day at 1103 w/Jak news -fair/het from PNG on 3305 (7/5). Both dates, Dili was stable on nominal freq (usually 3306.1)
- 3325.0 RRI, Palangkaraya - KALIMANTAN: Fair at 1220 w/talk by M; mixing at about equal level with native vocals from R. North Solomons. (7/3). PNG was good and all alone here at 1015 on 17/4. Dominant over PNG at 1112+ w/possible local news by M. Good level (7/5)...can't figure out why this one is so darn tough in Ontario!
- 3345.0 RRI, Ternate - MALUKU: A real performer! Dominant over co-channel R. Northern (and no sign of RRI-Pontianak) on all three dates. Good at 1224 w/promo announcements, then 'Hello Again' (Lional Ritchie) on 7/3. Strong as early as 1018 w/local announcements W; several mentions of Ternate on

- 7/4.
- 3385.0 RRI Kupang - NUSA TENGGARA: Fair on 7/4 - mixing w/R. East New Britain at about equal levels 1025; PNC was dominant on 7/3 and 5. (See 4805.3)
- 3852.4 RPDT2, Situbondo - JAWA: Tentative, but did hear talk by M, then Indo pops at 1225; very poor on 7/4...listed in March 1989 OZ DX/ET Indo Survey as "not reported recently".
- 3654.1 RKPDT2, Luwu - SULAWESI: Presumed at 1045 w/lagu pop song by a W. Weak level on 7/4)
- 3774.4 RKPDT2, Sumbawa - NUSA TENGGARA: Powerhouse signal at 1153 w/Indo pops on 7/3. At 1200+ with male DJ/music to 1205; familiar theme music (but not Love Ambon) w/voice-over closing announcements and off at 1207. Strong signal and surely a "best bet for ECNA on 7/4.
- 3905v RRI, Merauke - IRIAN JAYA: Not heard. Channel blocked by a strong signal from R. New Ireland (PNG), all three dates.
- 3945.0 RRI, Denpasar - BALI: Not heard. Powerhouse NSB here, dominant over R. Vanuatu at 0930. Vanuatu good on 7259.9 on 7/4.
- 3959.8 RRI, Palu - SULAWESI: Booming in quite late, 1320 w/local music on 7/4.
- 3985.9 RRI Manokwari - IRIAN JAYA: Still good at 1321 w/talk on 7/3. Also at 1040 w/local ID. Fair/clear on 7/4.
- 4002.2 RRI, Kendari - SULAWESI: Noted good signal in passing at 1042 on 7/4.
- 4086.7 RPKDT2, Blitar - JAWA: Not heard; presume temporarily off. Heard this one (tentative) in Ontario last fall.
- 4607.3 RRI, Serui - IRIAN JAYA: Powerful signal 1215 w/Ezl music on 7/4.
- 4700v RKIP, Surabaya - JAWA: Nice steady level at 1225+ w/gamelan music/vocals. Voice-over announcements and possible ID at 1230 on 7/3. Good at 1116 w/western-style pops and M announcer but a W broke in mid-song w/mention of Indonesia. Down to 4699.9 on 7/4. Also good w/talk 1216 on 7/5...better than I expected, considering very limited showings in Ontario last season.
- 4789.7 RRI, FakFak - IRIAN JAYA: Very good at 1215 w/talk, included local references to FakFak on 7/3. Also very good w/Indo pops at 1140 and w/Jak news 1215 but off at 1220 re-check 7/5)
- 4805.3 RRI, Kupang - NUSA TENGGARA: At 1236 w/Moslem-style vocal but poor/ute QRM on 7/3. Also present but weak at 1120 w/talk on 7/4...irregular here and suffers poor modulation.
- 4871.0 RRI Wamena - IRIAN JAYA: Strong w/lagu at 1245 on 7/3. On past 1230 w/good signals on 7/4 & 5 too...presently running later than usual 1215v s/off which gives easterners one of the better opportunities to hear Love Ambon.
- 4902.4 RRI, Gorontalo - SULAWESI: Heard ending Jak news w/anthem 1225, then clear local ID. Quite strong w/het on 7/5...John says irregular sked on this channel.
- 5044.8 RRI, Jayapura - IRIAN JAYA: Not heard. Maybe temporarily off or later s/on (usually around 1215 but heard late s/on 1305+ couple of times last season in Ontario)
- 5055.5 RRI, Nabire - IRIAN JAYA: Good at 1259 w/possible local ID and into SCI on 7/3. Fair 1125 w/pop music, generic RRI and maybe local ID at 1229, into local talk pgm on 7/4.
- 5256.3 RRI Sibolga - SUMATERA: Not heard, but I haven't noted that we even checked so probably just forgot.
- 5500.8 RRI Biak - IRIAN JAYA: Not heard. Checked on all three dates so presume temporarily off (not on former 5451 either)...didn't check 5982.5 or 7211v.

ISRAEL - Kol Israel EG Sked 9/3-11/5: 0000, 01, 02, a half hour news and features broadcast to NA: 15615, 12077 (heard on 12080), 11605; 05-0515 news bulletin to NA & W. Eur. on 17685, 17575, 11605, 11588. Australasia on 17630 & 15485. Alt. Freq: 11655. A half hour news and features broadcast to W. Eur at 11 on 21780, 17685, 11585. Australasia on 15650 and 15485. Alt. Freq. 17590. 18-1815 News bulletin to W. Eur on 11585 & Alt. Freq 11655. 20-2030 News and features to W. Eur & NA on 17575, 15640, 11605. Africa: 17630. 2230-23 News and features NA & W.Eur. on 15640, 13605. LAm: 17630 & Alt. Freq. 15615.

Reshet Bhet Sked as announced on 9/3: *04-2310* on 17545, 15095; 04-0610 15615; 0615-1955 21760. Additional Freqs: 12-1625 17590, 11585; 1730-2315 11585; 1730-2155 11655; 22-2315 17590.

MALAYSIA - Broadcast Sked for Voice of Malaysia: Indo: 22-24 Indo 6100, 6175; 09-16 9750, 6175; EG: 0555-0825 Au, NZ 15295, 9750, 6175; Mandarin: 1030-1230 China, JA HK, Taiwan 11885, 15295 Indo, Au, NZ; Thai: 13-1430 Thailand 6100; AA 1530-17 W.Asia, N.Afr 15295; Burmese: 1430-1530 Burma 6100; Bahasa Malaysia: 17-19 Indo 6175, 9750, 15295 W.Asia, N.Afr; 0830-1030 Indo 9750, Au, NZ 15295; Tagalog 1030-13 Phil 1475. EG Pgms: 0555 Mon-Sun Opening & Pgm Summary; 06 News; 0610 This is The Voice of Malaysia (News, Views, Interviews, Reports, Music, etc.); 07 Mon - Malaysian Speaks, Tue - World Affairs. Wed - Malaysia Today. Thu - Talk on Islam. Fri - Extracts from the Editorials. Sat - Malaysia in History. Sun - Visitors' Book; 0715 This is The Voice of Malaysia; 08 News; 0810 News Commentary; 0815 This is The Voice of Malaysia; 0825 Close Down. (Richard D. Angelo, PA)

MEXICO - Here is a list of active stations on SW: R. XEUJ, Linares - 5982 11-03; R. Mexico International - 5985 & 11770 13-17; 9705 02-05; 15430 20-05; 17765 03-05; R. Mil - 6010 12-08. R. El Eco de Sotavento - 6020 11-06. R. Tus Pantera - 6105 12-06 irr. R. Universidad de Hermosillo - 6115 15-0230. LV de America Latina - 6165, 9515 & 15160 24 hrs. R. Educacion - 6185 12-08. R. La Jorocha - 9545 1130-06. R. La Hora Exacta - 9555 24 hrs. R. UNAM - 9600 24 hrs irr. R. La "Q" Mexicana - 9680 12-06 (Radio Panorama, via Onda Corta via Australian DX News, Aug 89) 6165, 0726, LV de America Latina, SS, M mentioning Mexico, & M talking to another M. At 0714 vocal, noisy on 9/10 & on 9/17 hear the ID "Lv de America Latina" at 0750 (bmm)

NEW ZEALAND - RNZ Sked from Sep 3: 1 Hour earlier from Oct 8th. 1830-2015 11780, 15485; 2345-0145 15485, 17705; 0330-0730 15485, 17705; 09-1205 9850, 11780. Sat & Sun: 0145-0330 15485, 17705. (via OZ DX Edition No. 45, 9/89)

NEWFOUNDLAND - Correction to Dan Sheedy's reception of CKZN, St. Johns in LN Sep. S/on was 0830. 0800 s/on was shown in FT. He was on the island of Tobago, and tells me he was using a borrowed 2010 & about 15' of wire. Was surprised Newfoundland would propagate that well in the summer.

6160, 0838, CKZN, M w/Baseball Scores followed by time check "9 1/2 minutes past 6 O'clock" in Labrador...followed by same M announcing "Route 66" Nelson Riddle & his orchestra in that little Corvette traveling across America...George Maharis adventures on the road." and other music to 0842 & then giving PSA's & then M "Let's take a little trip to Mexico, here's Terry Kelley." M into something "Like this Date Also see "Asian Broadcasting Information" for further info on China per Tetsuya Kondo in History". A little hard to understand as noise picked up into music. No sign of CKZU, Vancouver. Wiped out by DW, Antigua IS/ID at 0857 on 9/2. Been looking for this one for over 20 years! (bmm) & at 0827 "Oh Canada" and second (Provincial?) anthem. S/on w/litany of CBC Newfoundland stations. 0830 news by W and weather and sports. 0840 "Words of the Pioneers" host Don MacNeil with guest George Thurmond from Scarborough, Ontario. At 1057 DW, Antigua came on wipeout! on 9/3. I've tried since 1972 to log this. Strange I should get it with such noisy conditions. CKZU, Vancouver barely there. Maybe reduced power. Thanks to Bruce MacGibbon for the tip. (Eric Swedberg, OR). Note: Seems CKZU, Vancouver starts fading at about 0815! (bmm)

NORWAY - Radio Norway Sked. Except where shown below, all transmissions in Norwegian start with news and current affairs programmes. Freqs often then diverge to carry separate regional news or features. An additional 15 minutes of music is often carried at the end of each 30 minute broadcast.

Freqs and target areas are often changed and vary between weekdays and Sundays. RNI announces frequency changes five minutes before each transmission during the week prior to the first of each month.

Note: In Norwegian except where noted. (bmm)

0000-0030 t/As, Au, Am 15230, 15165-(Not Sun), 11785; 0000-0030 Sun EE t/Am 15165; 01-0130 t/Am 15185, 9615; 02-0230 t/Am 15310, 9560; 03-0330 t/ME, Af, Am 15185, 15175, 11725; 04-0430 t/ME, Af, As, Am 15180,

15165, 11865, 11750; 05-0550 t/Am 15310, 11840; 06-0630 Sun EE t/Au 15165; 06-0630 t/Eur,ME,AF,Au 21725, 21705, 15165-(Not Sun), 9590; 07-0730 t/Eur,AF,AS,Au 25730, 21730, 15165, 9590; 08-0830 Sun EE t/AS,Au,Am 21730, 15165; 08-0830 t/AS,Au 25730-(Not Sun), 21710, 17740-(Sun only), 15165-(Not Sun); 09-0930 Sun EE t/AS,Au on 21710; 09-0930 t/AS,Au 25730, 21710-(Not Sun); 10-1030 t/AS,Au 21720, 21705; 11-1130 t/AS,Am 25730, 17780, 15180-(Sun only); 12-1230 Sun EE t/Am 15165; 12-1230 t/AS,Am 25730-(Sun only), 21705, 15165; 13-1330 Sun EE t/Eur 9590; 13-1330 t/Eur,AS,Au,Am 21710, 21705, 15180, 9590-(Not Sun); 14-1430 Sunday EE t/AS,Au 21710; 14-1430 t/AS,Am 21710-(Not Sun), 21705, 17840; 15-1530 t/AF,Am 25730, 17780, 15310; 15-1530 Mon-Fri t/Eur 1314 (one hour later from 9/25); 16-1630 Sun EE t/Am 21705, 17840; 16-1630 t/ME,AF,AS,Am 25730, 21705-(Not Sun), 17780-(Not Sun), 15220; 17-1730 Sun EE t/AF,Am 25730, 17840; 17-1730 t/Eur,AF,Am 25730-(Not Sun), 17740-(Not Sun), 15220, 9655; 18-1830 Sun EE t/ME,AF 15235; 18-1830 t/ME,AF,AS,Am 17840, 15235-(Not Sun), 15225; 19-1930 Sun EE t/Eur 15235; 19-1930 t/Eur,ME,AF,Am 21730, 15235-(Not Sun); 20-2030 t/Eur,AF,Am 15225, 9590; 21-2130 t/AF,AS,Am 17780, 11785; 22-2230 Sun EE t/AF,Am 15265; 22-2230 ts/AS,Am 15265-(Not Sun), 15180, 11865-(Sun only); 23-2330 Sun EE t/Am 11785; 23-2330 t/Am 15165, 11785-(Not Sun) (WBI 9/15)

SCOTLAND - Father John Eckert, shares with us this letter that he received from Jack Russel of "Weekend Music Radio":

Dear John, Very many thanks for your recent letter/report, and the qsls are enclosed.... I suspect you are rather pleased to have received a qsl from Scotland, from b/c station, even though it is an unofficial station...There have been 3 transmissions so far this past 4 weeks 16/7, 23/7, 6/8, and no doubt will be on again Sunday coming 13th (Unlucky for some). The 23/7 was indeed unlucky as the transmitter broke down at 0336UTC but I have repaired it now...Good tape by the way, not the best one though, a chap in I think Maryland send the best ever from across there, though a dr in NFLD sent a very good tape too...Hope you have heard more of the station before you receive this letter, and if possible to find the time, please do write again, as these broadcasts are on very low power really, it is difficult to attract any sort of a regular audience, but I feel with the nice letters and response we have had, there is some sort of market, if the signal is as good as it has been(sic) in the past couple of weeks..Amazing you heard us on the portable, thats a thing I mentioned in the px on 6/8 was the fact that it was good to hear from some of the dxers who dont all have to have the JRC and the icoms, etc, there were letters from dxers with like you portable receivers... Well John, like you I had the same problem with radio Dublin, the address is 58 Inchicore Rd, Dublin 8, Eire, and mail does get there though I believe he has to pick it up at the gpo himself, since the end of the year, and the poor man has no lights, or phones now, the bastard have really taken the mans livelihood from hor, or tried, but Mr Cooke has fought on, and indeed is still broadcasting on 1188, 100FM and 6910 24 hours. They have raided him twice, taken the whole station apart and he has been back on air both times within hours...Radio Dublin was in for a licence for years and they have always denied him. I think it is a disgrace that there are repressive governments here in Europe in this day and age which condone private enterprise. If you would like to see an excellent article on the station, Jerry Berg in PA amongst others who are in Danish SW Clubs International, there was a massive article, part one in April issue, Part 2 in the June issue, and Part 3 in the August issue. It is all about the stations trouble earlier this year...Sorry by the way to swear but I really feel strongly about this one. You see not only is it the principal of the thing, but also my entertainment because I am in a position to hear these stations on am by the aid of an outside antenna, and indeed a few were audable fairly well perfect on a car radio, so they were my entertainment. The Irish people had themselves to blame however,, I personally wrote last Sept to very many stations asking them to begin strong campaigns against this legislation by the scum in power over there. Not one station took my advice and look at them now...There were a few good moments said at the closedowns, and indeed the kiss fm one was very good, I have the tape from fm, and you can hear the guy thumping the bench while making some statements.

Sorry to rattle on John about Ireland, but it was a really nice and

friendly country to visit. I have been there many times around the stations...including Dublin, and found them all very friendly. Dave Anderson, see info sheet, worked over there and in fact is over there right now at his mother in laws...We had a great time at his wedding I can tell you..The people are great,, just the powers that seem to be taking the extremist views..Well they done in the economy, why not the radio industry too...

Best wishes and do write again... Jack Russel.

SOMALIA - China hands over mobile radio station for Hargeisa. Xinhua news agency, Peking in English 2349 gmt 4 Sep 89. Text of report from Mogadishu:

A mobile radio station made in China was handed over to the Somali government here today (4th September). The radio station, valued at 1.5 million Chinese yuan (about 405,000 US dollars), was provided at the request of Somali President Mohamed Siad Barre. It will be stationed in Hargeisa, Somalia's second largest city. The radio station in Hargeisa was damaged last year during fighting between the government troops and anti-government rebels. The radio station, fit in three trucks, is made of a transmitter, a broadcasting section, a generator and other equipment. (WBI 9/8)

SOUTH AFRICA - Radio RSA External Sked: 02-03 EE t/AM including "DX Corner" 0235-0245 UTC Mon on 11935, 9615, 9580; 03-06 Afrikaans (for Southern Africa, Namibia on 4810, 3230; 0430-0630 FF t/Eu,Af on 17745, 15365, 15220; 05-09 Afrikaans t/Af (for Southern Africa, Namibia on 11805; 05-07 Ovambo t/Af (for Southern Africa, Namibia) on 7270; 0730-09 Sunday, Multilingual (Afrikaans/Dutch) t/Eur/Af (for Netherlands, Belgium, Kenya, Tanzania and Zambia) Note: 1 hour alter in winter) on 21590, 17745; 08-09 Mon-Sat Dutch (one hour later in winter) t/Eur on 21590; 09-10 GG t/Eur (one hour later in winter) on 21590; 09-10 Sat&Sun Tsonga t/Af (for Southern Mozambique) on 9585; 10-11 Afrikaans t/Af (for Southern Africa, Namibia) on 11805; 11-12 EE t/Eur,ME,Af on 25790, 11900, 11805; 11-12 PP t/Af on 15365, 11925; 12-13 EE t/Af on 21590, 11805, 9585; 12-13 FF t/Eur/Af on 25790, 21535, 15220; 13-14 EE t/Asia on 21590, 17730, 11805; 14-1755 Kavango t/Af (for Southern Africa, Namibia) on 11805 w/Freq change at 1550 t/4880; 14-16 EE t/Eur,ME,Af,Am including 'DX Corner' on Sunday 1440-1455 on 25790, 21590, 21535, 11925; 15-17 Swahili t/Af on 15365; 15-18 Lozi t/Af (for Caprivi Strip and Zambia) on 11900; 16-17 GG (one hour later in winter) t/Eur on 25790, 21590; 16-18 Chichewes t/Af on 5960; 16-22 Afrikaans (for southern Africa, Namibia) on 4810; 16-22 Ovambo (for Southern Africa, Namibia) t/Af on 6130, 4945; 17-18 Dutch (One hour later in winter) t/Eur 25790, 21590; 17-18 PP (for Mozambique) t/Af on 7295; 1730-1750 Wed Danish t/Eur on 21535; 18-19 EE t/Eur including "DX Corner" on Sunday on 21535; 18-19 PP (for Angola, Gunea Bissau & Cape Verde) t/Af on 11900; 18-20 FF t/Eur,Af on 21460, 17745; 19-20 EE t/ ME/Af including "DX Corner" on Sunday on 21535, 17765, 7295; 20-21 PP t/Eur/Afr on 21590, 17765; 20-21 SS (for Angola & Cuba) t/Afr/Am on 21460, 11900; 22-23 PP t/Am on 11745, 9580; 23-01 SS t/Am on 1745, 9580, 6065. (WBI 9/15)

SUDAN - 9435, 1528, R. Omdurman, Band music, then at 1530, M "This is the Sudan Broadcasting Service in Omdurman. Then music & M "Welcome to our ... EG Service on the air every day at 5:30PM w/News & Current Affairs &" Then music followed by M (giving name?) "Welcome to this new edition of the EG Service." Then gave pgm preview. Then news. At 1540 'Daily Press Headlines'. At 1546 M talking about food and agriculture in Sudan & at 1548 another commentary. At 1555 M w/recitations t/1557 then back to M talking about a committee working on a report. At 1559 M w/brief talk then pause & off during pgm on 9/21 (bmm) & Eric Swedberg, OR notes pgm stops at 1549-1553 for recitations now. Note: Not heard on 9/26 (bmm)

SURINAM - External service celebrates fifth anniversary; plans to add Spanish. Radio Surinam International, Paramaribo, in English 1730 gmt 1 Sep 89. Excerpt from report: Radio Surinam International (RSI) celebrates its fifth anniversary tomorrow (2nd September). The station aims at informing the world, and especially Surinamese abroad, about happenings and developments in Surinam and the Caribbean. The management of the station is of the opinion that it's not only good to hear from others, but also to be heard. Since its

establishment in 1984, Radio Surinam International has received about 10,000 letters from listeners in 90 countries. These include letters from the Caribbean, as well as countries in Latin America, Africa, Europe, the United States of America, the Middle East, India and Japan. RSI is broadcasting daily (weekdays) 50-minute programmes through a transmitter on the Radiobras (Brazilian Radiobroadcasting Company) in Brazil. The programmes are in Dutch and English. The management of the station is planning to expand the service to listeners by adding Spanish programmes to their schedule and enlarging the English and Dutch part of programme... (WBI 9/8)

TONGA - Chris Hambly, Melbourne, Australia called and said Tonga back on air on 5030. Heard best in Melbourne at 0730 & 08 & followup letter at reasonable strength at 08 on 8/29.

U.S.S.R. - Radio Moscow - From 24th September the broadcasts to Sweden will increase by a further half-hour. So then, in addition to the one-hour broadcast, you will also be able to hear a half-hour broadcast every day. The one-hour broadcast will, as before, be at 2000-2100 hours Swedish time (1900-2000 gmt) and the half-hour programme can be heard slightly earlier, at 1700 hours Swedish time (1600 gmt). Thus you get the possibility of hearing a lot more about what is happening in the Soviet Union. The new daily broadcast will be on frequencies of 9735, 9800, 7195 and 1494 kHz. (WBI 9/8) Kazakh Radio First Programme Sked: Kazakh Radio's First Programme carries extensive relays of All Union Radio's Radio Orbita-4 service, including most major news bulletins. 2358 Multilingual 15270, 11950, 9780, 9705, 9505, 6180, 5970, 5960, 5945, 5260, 4610. 0100 Frequency change 11950, 9780, 6180, 4610; 1930* (WBI 9/8)

Radio Vilnius - The following is a transcription of 3 items from Radio Vilnius' DX program broadcast during the 2200 UTC transmission on 9/16. All times given are in UTC.

"First news from the press. On August 30th, the Lithuanian national youth daily ...published an article concerning the Lithuanian radio broadcasts. The article was written by a member of our club.... Who is well known to our regular listeners as he was the editor of our DX program for 6 months, until the end of May. On May 31st, he became the editor of the new radio station (M1) which is going (to start) operation this September. In his article entitled "Let's Get Around the Information Barriers", (Remotov) brings out a proposal to organize special broadcasts of the Lithuanian Radio to the Soviet Union. Here is how he motivates his ideas: "The official Moscow propaganda reflects the situation in the Baltic States in a very distorted way. People in Russia and other Soviet republics practically do not get genuine information about our actions and aspirations. Foreign broadcasters do not always present the true information either. But the truth about Lithuania must reach such Pravda readers who clench their fingers whenever they here the words like (Sidius) or independence. Recent statement of the Central Committee of the Soviet Communist Party shows clearly that our side should be heard out too".proposes to have daily half-hour broadcasts following the model of the foreign service of the Lithuanian Radio, which has already gained a good name among its listeners by the objective word of the journalists. However, there are some problems from the technical point of view. So far Lithuania has only 1 old 50 kW shortwave transmitter. It would suit the purpose for the beginning. Later, the broadcast should be aired via the new shortwave transmitter, the installation of which is planned for 1992. This transmitter is supposed to have a power of 250kW, and should replace the old 50kW one.

New Frequencies of Radio Vilnius.

Well, this is rather sad news, at least for our European listeners. According to our own observations the reception in this part of the globe has become very poor. But let's start from the beginning. As you know, the programs of the foreign service of the Lithuanian Radio are transmitted via Radio Moscow facilities, which are operated by the USSR Ministry of Telecommunications. This authority times the frequencies and the beams and our station has nothing to do with this matter. What we receive from this is only the list of new frequencies which is not always exact. As of September 3, our programs in English at 22 hours and in Lithuanian at midnight are aired on 9610, 11675, 15180, 17665, 17690kHz. In a few

minutes at the end of this broadcast, you will here the announcement of the frequencies supplied by the Ministry of Telecommunications, and you will notice the difference yourself.

And now the reception conditions. The 16 and 19 meter band outlets originate from the transmitters based in the Soviet Far East and are beamed to the western part of North America.heard in Europe. The 25 and 31 meter band outlets originate from the European part of the USSR and are beamed to the eastern part of North America. Their patterns, thus should go through Europe, but reception here in Lithuania is very poor. The signals on both frequencies are weak and affected by interference. Besides, the frequency of 11675kHz suffers heavy interference from a co-channel Radio Moscow transmission in Chinese both at 22 hours and at midnight. And 9610kHz, the reception at midnight is better but still the SINFO rating is not above 3433. (Can the listeners) verify or deny my pessimistic thoughts?

Lithuanian Radio - On September 1st, the second program of the Lithuanian Radio home service has cancelled the rebroadcast of Radio Moscow on its frequencies. These rebroadcasts used to be on the air daily, except weekends, from 11-13 hours. Instead of them, the first program of the Lithuanian Radio home service is now being rebroadcast. So now the only rebroadcast from Moscow is on the air from 02-03 daily on all frequencies of the Lithuanian Radio home service. (Eric Bopp, CA) (Note: Broadcasts 1 hour later & 9/24 at 2200 17665 was not heard which was the best frequency here & at 0030 this freq was also not heard but announced for Radio Kiev, but back on 9/25. (bmm)

VIETNAM - Voice of Vietnam External Sked: 0000-0030 Cambodian 9732, 7425; 0000-01 VV 15010, 9840; 0030-01 Laotian 9732, 7425; 0330-04 Chinese-Std. 15010, 9840; 04-0430 Chinese-Std 15010, 9840; 0930-10 Indo 15010, 9840; 10-1030 EE 15010, 9840; 1030-11 Indo 15010, 9840; 11-1130 Cantonese 12037, 10010; 11-1130 EE 9732, 7425; 11-1130 SS t/Am 15010, 9840; 1130-12 Chinese-Std 12037, 10010; 1130-12 RR 15010, 9840; 1130-12 Thai 9732, 7425, 1010; 12-1230 Cambodian 9732, 7425; 12-1230 Cantonese 12037, 10010, 1010; 12-1245 JJ 15010, 9840; 1230-13 Chinese-Std. 12037, 10010, 1010; 1230-13 Laotian 9732, 7425; 13-1330 Cantonese 12037, 10010, 1010; 13-1330 FF 15010, 9840; 13-1330 RR 9732, 7425; 1330-14 Chinese-Std. 12037, 10010; 1330-14 Cambodian 9732, 7425, 1010; 1330-14 EE 15010, 9840; 14-1430 Laotian 9732, 7425, 1010; 14-1430 Chinese-Std 12037, 10010; 14-1445 JJ 15010, 9840; 1430-15 Cantonese 9732, 7425; 1430-15 Chinese-Std. 12037, 10010, 1010; 15-1530 Thai 15010, 9840; 15-1530 Cantonese 12037, 10010, 1010; 15-1530 Chinese-Std 9732, 7425; 1530-1545 Chinese-Std. 12037, 10010, 1010; 1530-16 Cantonese 15010, 9840; 1545-16 EE 12037, 10010, 1010; 16-1615 Cantonese 12037, 10010, 1010; 16-1630 EE t/AF 15010, 9840; 1615-1630 EE 12037, 10010, 1010; 1630-17 RR Eur,As 15010, 9840; 17-18 VV Eur 18-1830 EE Eur, 1830-19 FF Eur, 19-1930 EE Eur, 1930-20 FF Eur, 20-2030 Eur, 2030-21 EE Eur 15010, 9840; 21-2130 FF Eur 15010, 9840; 2130-2215 JJ, 2230-23 EE Eur, 23-2330 Thai 2330-24 EE on 15010, 9840. (WBI 8/25)

ZANZIBAR - Radio Tanzania s/off at 1832 as monitored on 9/25. (bmm) This updates a letter from Maintenance Engineer, Mr. Nassor M. Suleiman, Radio Tanzania Zanzibar to Peter Bunn mentioned in 'OZ DX' Edition No. 48, Sep 89 which gave this sked: 11735 15-18 & 6015 11-20.

CLANDESTINES - Voice of the Struggle of Iranian Kordestan (Surani Kurdish: Aira Dangi Khabati Kurdistani Iran) was first heard in August 1989. Programmes are hostile to the Iranian government.

Sked: 0330-0420 Surani, Kurdish 5080, 4185 (unconfirmed); 08-0950 (repeat broadcast) Surani, Kurdish 5080, 4185 (unconfirmed); 1530-1620 (repeat broadcast) Surani, Kurdish 5080, 4185. (WBI 9/8)

Flag of Freedom Radio - 15650, 0325, UNID Clandestine off then test tones to 0330 when 'Iran's Flag of Freedom Radio came on w/IS & M w/ID in Farsi & EE. At retune 0332 found nothing. Found them on their regular frequency 15560 on 9/21 (bmm)

Radio Democracy - A new clandestine station has broadcast to China. On July 31 a Chinese language station was heard on 7125kHz at 1025 with poor condition. The pgm was closed down at around 1045. This station can be also heard on Aug. 14 from 1020 to 1036(s/off).

The station appeared again at 1040s/on on Aug. 18. The ID could be heard in Std. Chinese "Minzhu guangbo diantai", which meant "Radio

Democracy".

Monitoring observations from Aug 15 to 22 show the transmission schedule is irregular.

Aug 15 to 17: no broadcast
Aug 18 : 1040
Aug 19 : 0945, 1025, 1135, 1300, 1445
Aug 21 : 0945, 1025, 1135, 1445
Aug 22 : no bc

(The above time is s/on of the transmission. Since Aug 20 at close listening around the clock) Should be about 5 times per day, once per each hour from 09-14, when it broadcasts. This new clandestine station supports in its 8 to 12 min-pgm the democracy movement of China and it is hostile to senior Deng Xiaoping. The announcer's voices on this station resemble ones on Phony CPBS, which is a clandestine station believed to be in Taiwan. (Tetsuya Kondo, Isami Hyuga in "East Asia DX News Aug 22, 1989, the Asian Broadcasting Institute.)

Radio SNM - Somali rebel radio announces move to 25 metre band. Radio SNM in Somali 1500 gmt 31 Aug 89. Text of announcement:

Dear listeners, we would like to inform you that we shall be ceasing our transmission on the 49 metre band, and moving to the 25 metre band. The reason is that we would like to improve reception for listeners. So remember, from 3rd September we shall be transmitting our programmes on the 25 metre band. The time of our broadcast will remain the same, that is 1500-1700 gmt daily. Listeners and fighters inside and outside the country, in Mogadishu and Jibuti, we would like to receive your comments on reception. (Editorial note: As of 4th September Radio SNM continued to be heard on 6321 kHz - just outside the 49 metre band.)

Voice of The Broad Masses of Ethiopia - EPDM announces start of "regular radio broadcast". Voice of Tigray Revolution in Amharic 0400 gmt 1 Sep 89. Text announcement: The Ethiopian People's Democratic Movement (EPDM) will begin a regular radio broadcast from the freed territory of the Ethiopian People's Revolutionary Democratic Front (EPRDF), on 6th September 1989. The Voice of the Broad Masses of Ethiopia radio broadcast, which will be prepared by the EPDM, will be on the air in Amharic three times a week: Mon, Wed, & Fri, at 0600-0645 (0300-0345 gmt) and 1700-1745 (1400-1445 gmt) in the 49, 44, 43, 41, 40 and 31 metre bands shortwave.

Voice of Democratic Kampuchea - Voice of Democratic Kampuchea (Cambodian: Samleng Kampuchea Pracheathipatei) broadcasts in support of the former Khmer Rouge regime of Cambodia. It was first observed on 16th January 1979. The transmitters are believed to be located in the People's Republic of China.) 04-05 17680, 15110; 09-10 17533, 11870, 11780; 13-14 9440 (Heard 9/25), 6025; 2330-0030 9440, 7350 (I'm only hearing them on 17533 t/0025*, bmm)

Voice of National Salvation - This radio station favours the reunification of Korea from the North Korean point of view. It was first heard on 26th August 1970 and operated under the name of the Voice of the Revolutionary Party for Reunification until 15th Ausut 1985 when it changed its name to the Voice of National Salvation (Korean: Kugukui Sori Pangsong). The station's transmitters are believed to be in North Korea.) During summer time in South Korea programmes will be one hour earlier than shown. (Note: South Korea did not go on Summer time this year!) 0030-01 EE 4557, 4450, 4400, 3480, 1053; 03-07 KK 4557, 4450, 4400, 3480, 1053; 10-17 KK 6062-(to 1400), 4557, 4450, 4400, 4120, 3480, 1053; 20-0030 KK 4557, 4450, 4400, 3480, 1053. (WBI 9/15) & observations by Toru Yamashita & Tetsuya Kondo in East Asian DX News Aug 22, 1989, the Asian Broadcasting Institute: Voice of National Salvation is a clandestine station broadcast to S. Korea from N. Korea in KK and EE, has increased freqs. The new freqs are 6010kHz (1000-1400) and 4400kHz (all transmissions). First noted on July 2. The recent schedule of VONS is as follows: 0300-0700 4557, 4450, 4400, 3480, 1053; 1000-1700 6010 (to 1400), 4557, 4450, 4400, 4120, 3480, 1053 2000-0100 4557, 4450, 4400, 3480, 1053. The freqs are subject to variation to avoid jamming. This station has announced itself as "Voice of Nation Saving" in its EE pgm and Echo of the Masses - Has discontinued to broadcast, noted on July 4. It is estimated that the 2 transmitters have been diverted to transmit VONS pgm. EOM had broadcast for about 4 years since Aug 15, 1985. (Toru Yamashita, Tetsuya Kondo in East Asian DX News 8/22/89, the Asian Broadcasting Institute.) 73's, Bruce

EAST ASIAN DX NEWS

ASIAN BROADCASTING INSTITUTE

Sep. 16, 1989

compiled and translated by Tetsuya Kondo, Japan

C H I N A (PEOPLE'S REPUBLIC)

CHINA will close a DST on September 17 this year. (Satoru Suga)

CPBS has revived several SW frqs for the 1st Program since late Aug. The frqs are 10245, 9800, 6750, 6125, 5915 (sharing tx with 9800), 5880. First noted on Aug 29, however these frqs could not be heard on 23th.

In return CPBS has ceased operating of 6 SW frqs for the 2nd Program and Minority Nationalities Service. The frqs are 11630, 10260, 9775, 9755, 5163 (sharing tx with 9755), 4800. First noted on Sep 2, however confirmed active on Aug 31.

And CPBS has changed its SW transmitting schedule for all services since Sep 4. The schedule are now under investigation. (Satoru Suga)

Voice of the Strait B. S. had stopped transmitting of 6000kHz, that is for the 2nd Program. Noted on Aug 24, but aired again since Sep 4. The schedule for the 1st and the 2nd Program are going on as before (see LN Aug page 27), however expected to revise its transmitting sked after a DST is finished. (Satoru Suga)

Heilongjiang PBS has adjusted its frq arrangement for the services. 5950kHz was assigned for the 1st Program replacing the 2nd. And traditional 4925kHz has been discontinued. First noted on May 18. (Satoru Suga)

Heilongjiang PBS is currently heard on a new frq of 7350kHz. The bc pgm is of the 1st Program, closing at 1030. Noted in late Aug. HeilongjiangPBS now bc on the following SW frqs: 1st Program; 7350, 4840kHz, 2ndProgram; 5950kHz. (Kunihiro Nishida)

Nei Menggu PBS has inaugurated a new frq of 7160 for the Mongolian service. This frq is run in parallel with 6197, 4525 and 3930. First noted on May 8. (Satoru Suga)

H O N G K O N G

TV & Entertainment Times (magazine) reported on its No. 819 issue BFBS would change a frq for EG since Aug. 14. 102.0MHz is operated in place of 90.2MHz. This new frq is xmitted from Sek Kong. BFBS EG service is consequently bcng on 96.6, 98.8, 99.5 and 102.0MHz. (96.6MHz has been xmitted from Repulse Bay, south of Hongkong Island instead of Sek Kong).

BFBS intends to install a new tx to improve receiving condition in Kowloong area and northern Hongkong. (Hidetoshi Takashima)

RTHK Radio 3 will start AM stereo at the end of this year. (Hidetoshi Takashima)

J A P A N

Kaz Matsuda, Producer/Host of DX Corner in EG will retire NHK/Radio Japan in November. The last bc of DX Corner by him will be done on Oct 8.

Miss Rika Kobayashi will succeed to his DX Corner as from Oct 15 bc. (Toru Yamashita)

[Very regrettable for all DXers to miss him. He is going to commence a new job and his life for himself in Australia. I wish him success in his new job and say special thanks to him for his effort and achievements in DX Corner. And we will cheer a new producer of the DX Corner. She must be the first woman in charge of a DX pgm around the world. Ed.]

C L A N D E S T I N E

R. Democracy, a new clandestine stn to China, has continued to be heard on 7125kHz without a jamming. The frq has slight variation between 7125.3 and 7125.8kHz.

It bcs a short pgm which lasts about 8 to 12 min. anywhere from 0900 to 1600 except on Tues and Weds. The pgm is in CH and repeated several times during the same day. However the xasn sked varies from day to day:

24/8; 1135, 1300	1/9; 1045, 1235, 1330, 1500
25/8; 0900, 1040, 1235, 1300	2/9; 1045, 1140, 1250, 1400, 1515
26/8; 0945, 1000, 1135, 1230, 1400	3/9; 1045, 1140, 1335, 1440
27/8; 0920, 1025, 1150, 1300, 1415	4/9; 1000, 1125, 1335, 1400, 1500
28/8; 0945, 1040, 1235, 1340, 1445	7/9; 1140, 1335, 1440
31/8; 1125, 1235	8/9; 1000, 1140, 1250, 1400, 1515
	9/9; 1000, 1100, 1235, 1330, 1500

R. Democracy begins its xasn with a song in chorus, followed by a slogan read by a male announcer which is always the same in content: "The democracy is [word indistinct] which should not be opposed in this world. China won't be saved until the democracy is built up. Chinese young men and women, raise up! We must get over the fallen. Bury the last feudal dynasty in China!" And followed music and then a ID by a female announcer as "Minzhu guangbo diantai". The pgm consists of 3 items which support the recent moves for democracy in China and criticize Deng Xiaoping leadership. And the song in same chorus is played, then closing announcement by a female announcer.

On the other hand 3 other clandestines in CH on SW have not been observed recently. These clandestines, R. October Storm, the V of the Liberation Army, the Pseudo CPBS, may have changed the xasn sked, but it is more likely that all these stns have been ceased.

It is estimated that these 4 stns are run by the same group. There are several reasons for this theory:

1. R. Democracy was first noted on July 31, this date is equivalent to a time period when 3 clandestines have not been observed.
2. R. Democracy, like the 3 other clandestines, is on the air mainly toward the end of the weekend.
3. R. Democracy's announcer sounds very much like the one on the Pseudo CPBS.
4. R. Democracy's pgm lasts about 10min. That is almost same length as R. October Storm and the V of the Liberation Army.
5. R. Democracy does not announce its xasn sked and its location in the least like the 3 other stns.

This group is presumed to have reorganized 3 traditional clandestines and have started R. Democracy.

The group has bc through many clandestine stns since 1966, altering a stn name and an opinion. In the period of the Cultural Revolution the group opposed this and criticized Mao Zedong. However since 1978 it had added R. October Storm, which had been hostile to Deng Xiaoping with a reason that he was leading China to bourgeois liberalization and had praised Maoism. And after the "Bloody Sunday", China is stepping into the goal of R. October Storm, R. Democracy is started instead of traditional 3 stns. The group does not seem to have clear guidelines. The group simply oppose the Chinese government with a purpose which it snarl China. (Tetsuya Kondo, Isami Hyuga)

V of the Chinese People has been untraced on 1235kHz since mid-Aug (Cf. LN June 1988 page 31). (Tatsuo Gima)



QSL Report

RADIO QUITO
Lavoz de la capital

Send QSL Reports to:
Sam Barto, 37 Prospect Place,
Bristol, CT 06010 USA.

Hi gang. Lots of very good QSLs to report this month so lets get right into the column...Sam

ABU DHABI: United Arab Emirates Radio f/d information/folder cd. in 68 ds. (MacHarg)....Actually UAE Radio is from Dubai while Voice of the UAE is from Abu Dhabi...Sam.

ASCENSION ISLAND: BBC Atlantic Relay Station 15400 f/d cd. in 37 ds. for \$1.00. v/s Niel Johnson. (Blight-MD).

ASIATIC RUSSIA: Radio Moscow 17880 via Irkutsk f/d cd. in 43 ds. (Stephens-AL). 17685 via Vladivostok f/d cd. in 50 ds. (Stephens). 17655 via Khabarovsk f/d cd. in 44 ds. (Stephens). 15180 via Komsomolsk-on-Amur f/d "Moscow State University" cd. in 60 ds. (Zobro-MI).

AUSTRALIA: VLM4 4920 via Brisbane f/d cd. w/ ltr. and stickers in 3 wks. for a taped rpt. and 3 IRCs. They showed their power erroneously as 10 watts...I wish! (Klinck).

AUSTRIA: Radio Austria International 21490 (via Sackville?) f/d "Costume of Tyrol" cd. w/ schedule and stamps in 38 ds. (Zobro-MI).

BANGLADESH: Radio Bangladesh 4895 ltr. w/ schedule in 1195 ds., this was 96 ds. after a f/up rpt. for 1 IRC. v/s Shir-ajul Hogue, Radio Engineer. (Darling).

BONAIRE: Radio Nederlands 6165 f/d ltr. w/ details about transmitter site in 47 ds. Stickers rcvd. v/s Eric van Slee, Chief Engineer. (Kusalik-ALB). f/d "Special Bonaire Relay Station" limited edition QSL card in 3 1/2 mo. (Kusalik-ALB).

BRASIL: Radio Suriname International 17755 f/d "Map" cd. in 75 ds. after a f/up rpt. for ms. (Stephens-AL). f/d prepared cd. w/ station decal and ltr. in which they said that they did not receive my previous reports. This was in 68 ds. after 4 f/up rpts. since 1985. v/s Saskia de Bruin. (Kusalik-ALB). 17835 cd. in 260 ds. for 1 IRC. (Darling). Radio Rio Mar 9695 n/d cd. in 22 ds. for \$1.00. and a PT rpt. Card rcvd. was in EG/PT. (D'Angelo-PA).

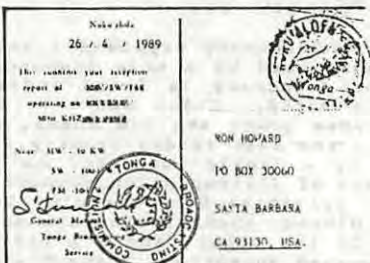
BULGARIA: Radio Sofia 11735 f/d "Stadium" cd. in 65 ds. w/ schedule, rpt. form and other information. (MacHarg). f/d cd. w/ tourist brochures in * 6 wks. I also rcvd. additional data 1 mo. later. (Terrence-NY). Stolink Home Service 7670 f/d cds. plus a ltr. stating that the "Horizont Program" does not verify at all! This was in 42 ds. after a f/up rpt. (Kusalik-ALB).

CAMEROON: Cameron Radio and Television 4850 via Yaounde f/d prepared cd. w/ very friendly personal ltr. in 2 mo. for a \$3.00 contribution to CATHCA. v/s James Achanyi Fontem. This was a f/up rpt. for a 1983 reception. Tnx. to Archer for v/s and address: CRTV-Radio Ebolawa, South Province, Republic of Cameroon. (Allen-OK)

* Radio Buea 3970 f/d prepared cd. in 53 ds. for a FR rpt. and \$2.00. This after 3 f/up rpts.

* (Kusalik-ALB). Radio Douala 4795 f/d prepared cd. w/ ltr. in 2 mo. Thanks to Archer and D'Angelo for v/s and addr. (Allen-OK).

CANADA: Radio Canada International 17875 "DIY" cd. in 15 ds. (Bishop-FL). CFVP 6030 p/d "Map" cd. of Calgary Skyline in 51 ds. v/s H. Bruins, Supervisor of Radio Engineering. (Stephens-AL).



RADIO SOFIA BULGARIA



- CANARY ISLANDS:** Radio Exterior de Espana 15365 f/d cd. w/ sticker, schedule and tourist information in 158 ds. after a f/up rpt. direct to the site. v/s Carmen Baez. (Stephens-AL).
- CHINA, PEOPLES REPUBLIC OF:** Radio France International 15285 via Beijing cd. w/ schedule in 120 ds. (Darling).
- CLANDESTINE:** Voice of Palestine 15205 via RTVA * n/d ltr. thanking me for my interest in 39 ds. for \$1.00. Also rcvd. decal and I utilized the Iraq address. v/s Midani A. (Kusalik-ALB).
- COSTA RICA:** Radio For Peace International 25945 f/d cd. in 85 ds. for \$1.00. (Blight-MD).
- CUBA:** Radio Rebelde 5025 f/d ltr. in 73 ds. for an EG/SP rpt. and 1 IRC. v/s Ana M. Castro, Public Relations. Station pennant and sticker was rcvd. (Weber-OH). Radio Habana Cuba 9655 f/d cd. w/ schedule in 150 ds. (Gaharan-LA).
- CYPRUS:** Cyprus Broadcasting Corporation 7205 f/d cd. in 31 ds. for a taped rpt. (Stephens-AL).

NOTE: Recently received a utility QSL from UXN Archangel Radio in the Soviet Union. The reply was in English. You may wish to try the following address for the shortwave station located there: Mr. Valentin G. Kalashnikov, 16 (Flat 2), Suvorov Str., Archangel, USSR 163001..Sam.

CZECHOSLOVAKIA: Radio Praha 15540, 13715, 11990, 7345 and 5930 f/d cd. in 28 ds. (Connor-PA).

ECUADOR: Radio Rio Amazonas 4870 p/d ltr. in 4 yrs. for a SP rpt. and ms. v/s Marco G. Diaz D. (Paszkievicz-WI).

Radio Nacional Espejo 4680 p/d ltr. w/ postcard in 48 ds. for a SP rpt. and ms. v/s Marco Caicedo. Station letterhead states 4.880 khz. (Stephens-AL). Radio Catolica Nacional 5055 form ltr. w/ n/d cd. in 88 ds. for a SP rpt. and \$1.00. Information on station was rcvd. v/s P. Antonio Arregui, Director General. (Kusalik-ALB).

HCJB 11775 f/d "Stamps from Ecuador" cd. w/ personal note in 24 ds. for 2 IRCs. v/s Glen Volksbrandt. (Carson-OK). 11925, 17890 and 15115 f/d "Missionary Martyr Stamps" cd. in 27 ds. (Zobro-MI).

ENGLAND: Red Rose Radio rcvd. a semi non-QSL ltr. from Dave Lincoln, Program Controller, in which he confirms that my 6/4/89 reception of this station was actually relayed by a USA based pirate station. Red Rose Radio is located in Preston, UK. What I rcvd. was transmitted by RRR on 5/24/89. (Zeller-OH).

EUROPEAN RUSSIA: Radio Moscow 15540 via Ryazan f/d cd. in 41 ds. (Stephens)

ETHIOPIA: Voice of Ethiopia 9660 f/d yellow cd. in 111 ds. for 2 IRCs. and a taped rpt. Station schedule and sticker was rcvd. (Eckert-PA).


FRANCE: Radio France International 9790 f/d "Aerial View of Place des Vosges" cd. w/ schedule in 35 ds. for 1 IRC. (Carson-OK).

GABON: Adventist World Radio 17890 * cd. w/ station pennant and a personal ltr. in 7 mo. for \$1.00.

QSL was posted from Addidjan, Ivory Coast. (Schulze-FRG). Radio Japan 11800 via Africa No. 1 f/d "Highway Exchange at Night in Kitakyushu" cd. in 48 ds. (Blight-MD).

GERMAN DEMOCRATIC REPUBLIC: Radio Berlin International 11785 f/d "1924 Bruckner and Stark Crystal Set in GDR Post Museum" cd. in 24



 Adventist World Radio			
To: Roland Schulze			
We are pleased to verify your reception of our station.			
Date	25/12/1988	Time	12.00 - 13.00 UTC
Frequency	17890	KHz	16 meters
Transmitter location	Nuyabé - Gabon		
AWR - Africa 16 PO Box 1251 Abuja on 18 Ivory Coast	AWR - Asia PO Box 2501 Agat, Guam 96928	AWR - Europe PO Box 583 4700 Forth Italy	AWR-Latin America PO Box 1177 0901 Atascita Costa Rica

ds. Also rcvd. their new style report form. (Carson-OK). f/d "Card #13 of the Q Code Series" in 35 ds. for 1 IRC. (Carson-OK). f/d "Lieben Amplifier from 1912 in GDR Post Museum Collection" cd. in 24 ds. for 1 IRC. (Carson-OK). 9730 f/d "Rostok City Crest" cd. in 35 ds. for 1 IRC. (Carson-OK).

GERMANY, FEDERAL REPUBLIC OF: Bayerischer Rundfunk p/d cd. in 2½ mo. for a taped rpt. and \$1.00. At the rate of 2 QSLs in 7 wks. and 85 reports still out, I'll be retired first! Probably...Sam. (Huniwell-NJ). **Radio Free Afghanistan** 15445 via **Biblis** cd. in 244 ds. via Munich. (Darling).

GREENLAND: Kalaallit Nunaata Radioa 3999 p/d * "Studio Building" cd. w/ station information booklet in 71 ds. after my 7th try. for \$1.00. (Allen-OK).

GUAM: KTWR Trans World Radio 11805 f/d "Old Spanish Bridge" cd. in 44 ds. w/ station pennant, postcard, schedule, bookmark and personal note. v/s Sandy Damick. (MacHarg).

GHANA: Ghana Broadcasting Corporation 4915 f/d cd. in 46 ds. for ms. (Hosmer-MI)...Sorry, out of order...Sam.

GUATEMALA: La Voz de Nahuala 3360 f/d cd. w/ f/d ltr. and pennant and stamps in 192 ds. v/s Juan Fidel Lepe Juarez, Jefe de Mantenimiento. (Stephens). **Radio Tezulutlan** 4835 f/d

cd. in 84 ds. for \$1.00. (Webster-OH).

Dear friend
Thank you for your letter. We are satisfied that you have received and have listened our radio station in your town. We are sorry because we are so late with our answer.

VERIFICATION OF RECEPTION

It is herewith verified that - **FIGUERA, P. ANGELO**.....(name) from **WYOMING, V. S. A.**.....(country) has received a transmission from our station. **RADIO WYOMING**.....(name/callsign).
Date: 2/1/1989 Time: 2050:2129...GMT
Frequency: 9670KHz MHz Mode:.....
The power used on this channel is .500...KW into an aerial directed.....
Other remarks:

Radio Televisija Skopje

mailed in Guatemala. (MacHarg).

HONG KONG: BBC 17875 f/d ltr. in 33 ds. v/s Ciaran Fitzgerald. (Gaharan-LA). 17815 prepared cd. w/ ltr. in 22 ds. for ms. v/s Ron Patterson, Assistant Company Manager. Addr: BBC East Asia Relay Company Ltd., Tsang Tsui Broadcasting Station, Nim Wan, Yuen Long, New Territories. Hong Kong. (Bishop-FL).

INDIA: All India Radio 11620 f/d cd. in 50 ds. for ms. (Field-PA). 9565 f/d "Laxmi Narayan Temple in Delhi" cd. in 53 ds. (Kusalik-ALB).

INTERNATIONAL WATERS: World Mission Radio 6215 f/d "Church" w/ station information in 1 mo. for ms. Reply came from CA. (Bishop-FL).

JAPAN: Radio Japan 11815 n/d "Tanabata Festival" cd. w/ schedule in 38 ds. (Carson).

JORDAN: Radio Jordan 9560 f/d cd. in 202 ds. w/ schedule, map and flag card. (Evans-TX).

Note: NASWA QSL Column report forms are available from your QSL Editor...Sam.



KAMPUCHEA: Voice of Kampuchea 11938 p/d form ltr. and a personal ltr. in 234 ds. via Hanoi. Also rcvd. schedule, ms. and a station pennant. Addr: The English Section, Overseas Service, Radio the Voice of the People of Cambodia, Phnom Penh, State of Cambodia. (D'Angelo-PA).

KIRGHIZ SSR: Radio Moscow 15140 via Frunze f/d cd. in 72 ds. (Hosmer-MI).

KOREA, REPUBLIC OF: Radio Korea 9750 f/d cd. w/ stickers and report form in 3 wks. for a taped rpt. and 2 IRC. (Klinck)

LESOTHO: BBC 9515 f/d prepared cd. in 1 mo. (Gaharan-LA).

MALAYSIA: Voice of Malaysia 15295 p/d personal ltr. in 29 ds. for ms. (Laskowski-IN). f/d ltr. w/ request not to send \$ in 42 ds. v/s Fee A/P Lin Chew. (Evans-TX). f/d ltr. in 28 ds. for \$1.00. (Field-PA).

MALTA: Voice of the Mediterranean 9765 f/d "Gozo and Comino" cd. in 28 ds. w/ schedule. (Stephens-AL).

MOROCCO: Radiodiffusion Television Marocaine 17595 f/d cd. in 134 ds. for ms. (Field-PA).

NEW IRELAND: Radio New Ireland 3905 p/d short ltr. from the Station Manager in 43 ds. (Evans-TX).

NEW ZEALAND: Radio New Zealand International 17705 f/d paper pennant QSL w/ data on reverse side of pennant in 46 ds. for 3 IRCs. Also rcvd. schedule. (Carson-OK).

NIGERIA: Voice of Nigeria 7255 f/d "Murtala Muhammed International Airport Building" cd. in 73 ds. for 4 IRCs. (Carson-OK).

NIGERIA (Biafra): Federal Radio Corporation of Nigeria - Enugu 6025 prepared cd. w/ f/d ltr. and Nigerian stamps in 30 ds. for \$1.00. v/s Louis Nnamuchi. Tax to D'Angelo for tip on this station. (Field-PA).

OMAN: BBC 15310 f/d prepared cd. in 1 mo. (Gaharan-LA).

PAKISTAN: Radio Pakistan 17660 "National Broadcasting House" cd. in 55 ds. for 2 IRCs. Also rcvd. station schedule. (Hosmer-MI).

PAPUA NEW GUINEA: NBC Port Moresby f/d "Map" cd. w/ network schedule in 25 ds. after 3 f/up rpts. for ms. v/s Timothy Dickson. (Stephens-AL).

PERU: Radio Cutervo 6691 3 f/d prepared cds. w/ personal ltr. in 75 ds. for * a SP rpt. and \$1.00. Station decal and business cds. were rcvd. v/s Norma Lozada Diaz. (Kusalik-ALB).

ROMANIA: Radio Bucharest 11940 p/d "Folk Costume" cd. w/ stamps and schedule in 3 mo. for ms. (Klinck).

SCOTLAND: Weekend Music Radio 15043 f/d paper cd. w/ station information sheet in 30 ds. for \$1.00. (Connor-PA). 2 f/d cds. in 2 mo. v/s Jack Russell. (Eckert-PA). f/d cd. in 28 ds. for a taped rpt. and \$1.00. (Blight-MD). f/d sheet w/ map of area and photo of transmitter in 3 wks. for \$1.00. (Kohlbrenner-PA). 15042.4 f/d form ltr. w/ personal ltr. in 19 ds. for 3 IRCs. Stickers and a coaster were rcvd. (Allen-OK). f/d map sheet in 32 ds. for \$1.00. Station pennant and coaster rcvd. along w/ a personal ltr. (Zeller). 15042 f/d ltr. in 30 ds. for a taped rpt. and \$2.00. Personal ltr. and station pennants were rcvd. (Eckert-PA). 6317.3 f/d paper cd. in 64 ds. Also rcvd. bumper sticker coaster and a personal ltr. along w/ a station fact sheet. (Hosmer-MI).

PEOPLE'S DEMOCRATIC REPUBLIC OF YEMEN

Yemen Telecommunication Corporation

RADIO REGULATORY DIVISION

This confirms your reception

WITH FOLLOWING CORRECT INFORMATION

Date: 2/AUGUST/1987 50Kw

Frequency: 7190 KHZ actual DRN DIRECTIONAL

Ta 1300 via Davis

May we draw your attention to the ITU Treaty of 1949 concerning the frequency of transmission.

مكتب الاتصالات
بالتلفزيون
والراديو
بالتفزيون
والراديو
RADIO REGULATORY DIVISION

RADIO K'EKCHI'

TOVC 6303 HZ 40 METERS
FRAY BARTOLOME DE LAS CASAS, 10113 ALTA VERAPAZ, GUATEMALA

QSL

Certificado de Sintonia

Sr. RICHARD A. D'ANGELO

Muchas gracias por su informe de recepcion. Su carta fue de gran animo y estimulo al personal de Radio K'ekchi'. Que Dios le bendiga ricamente! Transmitemos con un Gates BP 5 y una antena en polar con reflector.

Tenemos el gusto de confirmar su sintonia a nuestra transmision el dia 26 de octubre de 1988. a las 04:57 horas CST hora local



CARTE QSL تقرير استماع

هذه بطاقة للبيان ان تردكم نتمتعكم
من الاستماع بتاديع
من الساعة (ت) الى (ت) الى

10. AVRIL 1989
10.028 hours G.M.T. 0503

هذا استماع تمت من ساعة Q.M.T. الى الساعة
تحت مستظنا حسب (ت) الى (ت) الى

الاذاعة
البرقعة
الاسم
اللقب
البلد
المنطقة
الاسم
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المنطقة

via Donald Weber
Mr 2169 Wulter Road: السيد
Westlake, OHIO 44145
U.S.A

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SEYCHELLES: BBC 15420 prepared cd. w/ ltr. in 31 ds. v/s Peter J. Loreday, Senior Transmitter Engineer. Addr: BBC Indian Ocean Relay Station, Grand Anse, P.O. Box 448, Mahe. (Bishop-FL). p/d ltr. in 36 ds. (Stephens).

SIERRA LEONE: Sierra Leone
* **Broadcasting Service**
5980 f/d prepared cd. w/ ltr. (2 page personal) in 101 ds. after many f/up rpts. v/s Emmanuel Ehirim,

NOTES: Gerry Bishop says he is still awaiting his QSL from WWCN. After the letter he sent the station telling them about their dull programming he may never receive a QSL. Could be...Sam.

Project Engineer. Also rcvd. station booklet "SLBS Record". (D'Angelo).
SOMALIA: Radio Mogadishu 7200 f/d prepared cd. w/ very friendly personal * ltr. in 2 mo. after a f/up rpt. for ms. and \$1.00. Program schedule w/ postcard and a photo of v/s was rcvd. v/s Mohammed Hassan Haad. Thanks to Paszkiewicz for help on this one. (Allen-OK).

THAILAND: Radio Thailand 9655 f/d "Fruit Market" cd. in 5 mo. for \$1.00. Postcards were rcvd. v/s Bupha Laemluang. (Eckert-PA).

TURKEY: Voice of Turkey 17760 and 9445 f/d cd. w/ schedule, pennant and stickers in 30 ds. for 1 IRC. (Connor-PA). 17760 f/d cd. w/ pennant, stickers, schedule and Turkish flag in 730 ds. (Darling). **Turkiye Polis Radyosu** 6340 f/d cd. in 4 mo. after a f/up rpt. for \$1.00. Station brochure and stamps were rcvd. v/s Director of Broadcasting - Television Dept. (Allen-OK). f/d cd. w/ tourist brochures in 6 mo. This was on my 4th try in 10 yrs! (Bishop-FL).

UKRAINE SSR: Radio Moscow 15490 via Kenqa f/d "Bolshoi Theatre" cd. in 60 ds. w/ schedule. (Zobro-MI). 9490 via Kiev f/d cd. in 55 ds. w/ schedule. (Stephens-AL). 9765 via Lvov f/d "Moscow State University" cd. w/ schedule in 2 mo. (Zobro-MI). 11750 f/d "Lenin Mausoleum" cd. in 60 ds. (Zobro-MI). 15220 via Kharkov f/d cd. of "Lenin Mausoleum" w/ schedule in 2 mo. (Zobro-MI). 15330 via Ivano-Prankovsk f/d "Bolshoi Theatre" cd. in 60 ds. (Zobro-MI). * **Radio Vilnius** 9860 via Yevpatoriya cd. w/ ltr., schedule and stickers in 66 ds. v/s Edvinas Butkus, Deputy Chief Editor. (Darling).

URUGUAY: SODRE 15273 f/d "Logo" cd. w/ 2 f/d prepared cds. and a personal verie ltr. in 82 ds. for a SP rpt. and \$1.00. This was on my 4th try for a 1979 reception. v/s Gabriel Souto, SODRE QSL Bureau. (Kusalik-ALB).

USA: KVOH 17775 f/d cd. in 5 wks. w/ sticker and schedule. (Kohlbrenner-PA).
USA (Pirate): Voice of Pancho Villa "The Power of Stupidity" pink and purple cd. in 10 ds. for a f/up on a reception at the Feb. SNL Winterfest. v/s Cisco and Pancho. (Zeller).

Radio Comedy Club International 7415f/d cartoon sheet in 13 ds. for SASE. (Frodge-MI)...Addr: 3007R 4th Ave., Beaver Falls, PA 15010. f/d ltr. in 14 ds. for ms. (Connor-PA).
Falling Star Radio 6240 f/d paper cd. in 64 ds. for ms. (Connor-PA).

هنا نواكشوط
ICI NOUAKCHOTT

إيسى نواكشوط
HUNA NOUAKCHOTT!!

via Donald Weber



الإذاعة الموريتانية

RADIO MAURITANIE

YEMEN ARAB REPUBLIC
RADIO & T.V. CORPORATION
RADIO SANA'A
Technical Department

Dear: Andrew F. Rugg

Whose Address: 669 De Gaspe- APT. 218/Muns' Island
Quebec H5C 1J1, Canada.

With the great pleasure we have received your reception report dated 29 / 1 / 1989 about the short wave programme of Radio Sana'a.

In the following, we are glad to confirm your submitted data:

Radio Sana'a

Frequency: 5,950 kHz

S I N P O : 4 5 3 3 8 * * * * *

The programme details sent in your report had been checked and correct.

Thank you for your listening to the radio Sana'a and with the best regards from Yemen Arab Republic.

Date = 14/3/1989

USA (Pirate): Free Radio One 7415 f/d certificate in 77 ds. for SASE.
Addr: 3434 Pacific Highway, Medford, OR 97501.(Frodge-MI). same in 85 ds. for a taped rpt., ms., and \$1.00 (Blight-MD). p/d certificate in 7 wks. for \$1.00.(Kohlbrenner-PA). p/d "God Save America" certificate in 97 ds. for ms. v/s Dr. David Richardson.(Zeller-OH). same in 85 ds. for ms.(Connor-PA). Radio USA 7415 n/d "Scrubbing Bubbles" cd. in 91 ds. for SASE. v/s Mr. Blue Sky. Addr: P.O. Box 5074, Hilo, HI 96720. (Frodge). Voice of Tomorrow 6240 f/d "River Scene" cd. in 110 ds. for 1 IRC. Station claims 2 kws! (D'Angelo-PA). Radio Angeline 7418 p/d cd. in 14 ds. for ms. (D'Angelo). Voice of Stench 7415.3 f/d sheet in 13 ds. for ms. to Beaver Falls addr. (Zeller-OH).

UZBEK SSR: Radio Moscow 17620 via Tashkent f/d cd. in 72 ds.(Hosmer-MI).

VATICAN: Radio Vatican 9605 f/d "John

Paul II w/ Microphone and Radio Tower" cd. and schedule in 52 ds.(Zobro-MI). 9605 and 11780 f/d "Palazzo Pio Building" cd. in 67 ds. w/ schedule.(Zobro-MI).

VENEZUELA: YVTO 6100 f/d green and white "Logo" cd. in 10 mo. for a SP rpt. v/s Cn. Pedro Pablo Leon. (Zobro-MI). f/d cd. in 106 ds. for 1 IRC.(MacHarg) Radio Continental 4940 f/d cd. in 5 mo. for a SP rpt. and ms.(Paszkiwicz-WI).

WEST IRIAN: RRI Sorong 4874.6 f/d cd. in 70 ds. for an IN rpt. and ms. Personal ltr. was also recvd. v/s Soedarsono, Bag. Tehnik. C/V #150: (Hosmer-MI).

YEMEN, PEOPLES DEMOCRATIC REPUBLIC: Democratic Yemen Broadcasting Station 7190 p/d cd. in 138 ds. after a f/up rpt. for ms. v/s A. Burhan. Report was sent to Yemen Telecommunications.(Paszkiwicz-WI).

YUGOSLAVIA: Radio Yugoslavia 15325 f/d cd. in 244 ds. after 16 bi-weekly f/up rpts. and extreme patience! I was very happy to get this one.(Blight-MD). 9620 f/d cd. w/ schedule in 102 ds. for 1 IRC.(Connor-PA).

NOTES: Kris Field was very surprised with his Enugu QSL. Now he hopes that Lagos or Ibadan will soon show up in his mailbox. He also received his TWR Confirmed All Sites Award from Chuck Roswell and the crew at TWR Bonaire. He says that TWR used 16 small denomination stamps to mail the 12 x 16 inch envelope - very colorful and well worth the wait and the effort. Don Hosmer now has his C/V up to 152. He says that it was great reaching this goal and that he presently has 4 award applications pending to send to Kap. Don is having good luck on the tropical bands with the Chinese regionals. Keep the reports coming in Don...Sam.

Ud....
ES LO MAS IMPORTANTE
PARA NOSOTROS
YE
Radiodifusora
La voz de Esmeraldas
GRACIAS POR ESCUCHARNOS
1395 Kc.- 4875 Kc.
5000 VATIOS

QSL THE VOICE OF SCOTLAND QSL
WEEKEND MUSIC
WMR confirmation of reception
John Sgrulletta
Date 27/3/89
Time 0720/0747UTC
Freq 15042.3kHz
Power 100watts
Signed [Signature]
49 arvan close cambridge england
Weekend Music
Scotland's Only F/W Pirate

I guess this ends yet another QSL column. Thanks to all for your contributions...Sam.

[Signature]



FRENEX LOG REPORTERS

Distributing Editor: Kris W. Field, 431 Babylon Rd., Ambler, PA 19002-2302

FRENEX CONTRIBUTORS LIST — OCTOBER 1989 — DEADLINE 12th of MONTH

The following members submitted loggings this month:

Brian ALEXANDER, Mechanicsburg, PA
 Guy ATKINS, Issaquah, WA
 Norman BOBB, Minneapolis, MN
 Bob BROWN, Lansdale, PA
 Richard D'ANGELO, Wyomissing, PA
 Peter DILLON, Greece
 Marlin FIELD, Hillsdale, MI
 Harold FRODGE, Midland, MI
 Harold FRODGE, Santos, Brazil
 Luther HALL, Indianapolis, IN
 Joe HOWELL, Escondido, CA
 Vernon HYSON, Charlotte, NC
 Rufus JORDAN, Pittsburgh, PA
 Paul KLING, Amarillo, TX
 Jerry KLINCK, West Seneca, NY
 Fred KOHLBRENNER, Philadelphia, PA
 Joseph KREMER, South Bend, IN
 John LACKMAN, Lexington, VA
 ? NEWCOMER, Woodlyn, PA
 Dale PARK, Honolulu, HI
 Sheryl PASZKIEWICZ, Manitowoc, WI
 Leonard R. PRICE, Annandale, VA
 Chuck RIPPEL, Virginia Beach, VA
 John TUCHSCHERER, Neenah, WI

NRD525 w/Kiwa MAP and SPR4
 Grundig Satellit 400 & 500
 NRD 525, 80 meter vertical

DX 400
 SPR - 4
 R71A + Trap dipole
 Sangean ATS 801 + whip
 Zenith 3000-1, Sony 2010

NRD 525
 DX 302, Zenith Transoceanic
 R71A

Sony 2010
 HQ 180A, Collins R 388

R 5000 & salvaged rod antenna
 NRD 515
 R2000, ATS 803, GE World Monitor
 HQ 180, 130' Dipole
 R70, FRG 7700

Another good turnout as the DX season starts to pick up steam again! Thanks to everyone for the well wishes for the baby and mom. Now, any volunteers for babysitting? Just kidding, but my time at the dials...well, my time has become limited.

Anyway, I have had time to get some of the followup reports out, clean up the shack, turn on the radio once or twice and hear a couple new things. The lower frequencies are getting better and better. I'm after a few more of the regional stations from Papua New Guinea and as always some African stations.

I'd be interested to know what targets the rest of you have. I always have a few things I'm after and then I hear of something else that sounds interesting to send me in another direction.

If anyone has any information related to the shortwave listening hobby or any questions that they think would interest others, please write in to C. RippeL, H. Cones or the appropriate editor. It's my understanding that your contributions are quite welcome. So, if you have any ideas...

That's about all I have for this month; thanks again for all the contributions and keep those loggings coming!

Until next month,

73 *Kris*

Don't forget the ANARC Net on Sunday mornings.



LOG REPORT

section A

2000 to 4899 kHz

Editor: Bob Brown, P.O. Box 591, Colmar, PA 18915

- 2490 **BRAZIL** R. Oito de Setembro 2358-0035 PT, Brazilian pops, ID @ 0033 w/FC and mention of Sao Pao. Fair (Brown-PA 9/5)
- 3142.9 **SUMATRA (SUMATERA, INDONESIA)** RPKDT2 Belitung 1250-1330 Indo, Lagu pops, YL/OM in rapid tk, poss. ID @ 1259; lite instr mx w/definite voice-over ID @ 1308. Poss. ID agn @ 1330. Fair sig at best, weakening by 1330. (Atkins-WA 8/27) - Nice one Guy!
- 3215 **CELEBES (SULAWESI, INDONESIA)** RRI Manado 1306-1308* Indo, tail-end of xmsn, OM anncr w/organ bkgnd mx. Great id @ 1308* (Howell-CA)
- 3316 **SIERRA LEONE** SLBS 2245-2315* EG, pgm produced by the Intl Staff of United Nations Radio in NY, ID as "Ntl Service of SLBS", TC, world/ntl nx, jazz mx, NA @ s/off. Vy Good (Brown-PA 9/5)
- 3325p **BORNEO (KALIMANTAN, INDONESIA)** RRI Palangkaraya (site presumed) 1255 Indo, lcl folk mx, SCI into nx. (Howell-CA 8/17)
- 3245t **BRAZIL** R. Clube Vargina (tent) 0109-0121 PT, OM tk, some mx, fading & another stn. underneath (Paszkievicz-WI 8/18)
- 3249.4 **HONDURAS** R. Luz y Vida 0346-0411* EG, relg pgm, mx, "Pacific Garden Mission" pgm, ID as "R. Voice of Life", address, hymn to s/off. (Kohlbrenner-PA 9/4)
- 3260 **NEW GUINEA TERR. (PAPUA NEW GUINEA)** R. Madang 1050-1110 EG Country western mx, ID "Radio Madang", TC "9 o'clock" and nx. Fade @ 1110. Fair-Good (Brown-PA 9/13)
- 3264.7t **CELEBES (SULAWESI, INDONESIA)** RRI Gorontalo 1050-1103 INDO, tent, Lagu pops, YL ancr w/poss ID @ 1058, ments of Jakarta on the hour, w/echo SFX. Poor-Fair (Adkins-WA 8/27)
- 3300 **GUATEMALA** TGNC 0350 EG, Thru The Bible, male anncr w/ID "TGNC Guatemala" then Moody Presents., Fair (Price-VA 8/13) 1024-1048 (Bobb-MN 8/29) (Rippel-VA 8/16)
- 3316 **SIERRALEONE** SLBS 2310-2316* EG, chants, s/off anmts @ 2315 w/ID and mention of freqs. Short NA @ 2316 & off. (Alexander-PA 9/1)
- 3325 **BOUGAINVILLE IS. (PAPUA NEW GUINEA)** R. North Solomons 1047-1106 EG/Pidgin, choral mx, mni mentions of North Solomons, ID in EG, Poor-Fair, fade at 1106. (Brown-PA 9/14)
- 3340 **UNID** 0336 SP, upbeat Andean vcls, guitar mx. (Frodge-MI 8/24) - prob. R. Altura-ed
- 4755 **HONDURAS** Sani Radio, 0115-0150* SP, 2 lengthy pop sets, 1 SP amd 1 reggae, ID's; nice orch instr, s/off w/om voice-overs. (Jordan-PA 8/26)
- 4760 **LIBERIA** ELWA 2220-2230* EG, rel pgming. (Brown-PA 9/23)
- 4775 **PERU** R. Tarma 0954-1024 SP, Andean mx, tk, IDs. Poor (Bobb-MN 8/29)
- 4783 **MALI** RTV Malienne 0612 FR, Af drum mx w/singing; jammed; //4835 much better. (Howell-CA 8/24)
- 4799.8 **GUATEMALA** R. Buenas Nuevas 0115-0130 Tk in Indian lang. Lcl rel. mx. IDs. (Alexander-PA 9/2)
- 4825 **BRAZIL** R. Cancao Nova 0100-0114 PT, Ezl mx, ID, freq anmts, sevrl mnts of Cachoeira Paulista. SIO353 (D'Angelo-PA 8/16)
- 4830 **BOTSWANA** R. Botswana 0413 EG, details of a mail-in quiz concerning the meaning of certain EG words. (Howell-CA 8/23) (Jordan-PA 8/10)
- 4835 **GUATEMALA** R. Tezulutan 0110-0125 SP/Quechua, OM into lngthy tks, ments of QTH, marimba mx w/presumed Quechua grp vcls. F-P (Jordan-PA 8/31) 0028 (Kohlbrenner-PA 9/5)
- 4840 **UNID** 0402 Mx pgm after Valera s/off. Vy weak, unable to tell lang. (Field-MI 9/5)
- 4840 **VENEZUELA** R. Valera 0315 Mx pgm, ID's, TC's (Field-MI 9/5) 0045-0109 (Jordan-PA 8/31)
- 4845 **MAURITANIA** ORTM Mauritanie 0709 AR, end of nx, into Holy Koran w/long silent periods. (Howell-CA 8/28) 2236 (Kohlbrenner-PA 9/4)

- 4850 CAMEROON R. Yaounde 2318-0001* FR, Inst/vcl mx, ID, NA at s/off. Fair (Bobb-MN 8/25,26)
- 4850y ECUADOR R. Luz y Vida 0150-0305* SP, SP/Nam pops, echo ID's, anmts, promos, TC's, FC's, choral NA at S/off. V Poor. (Jordan-PA 9/5)
- 4865 COLOMBIA LV del Cinaruco 0821-0913 SP, mx, tlk, complete ID @ 0912. F-G (Bobb-MN 8/12)
- 4870 BENIN ORTB Cotonou 2210-2300* FR, high-life mx w/ OM annr. (Brown-PA 9/23)
- 4870 ECUADOR R. Rio Amazonas 0223-0304* SP, VG w/ LA songs & instrumentals. (Tuchscherer-WI 8/24) 0130-0200 (Jordan-PA 8/31)
- 4880 SOUTH AFRICA Radio 5 0405 EG, mx, DJ w/"Golden Classics", canned ID by YL. (Kremer-IN 8/12)
- 4885 BRAZIL R. Clube do Para 0800-0830 PT, repetitious mx, yells of R. Clube IDs. Fair (Bobb-MN 8/28)
- 4895 COLOMBIA LV del Rio Arauca 0239-0300 SP, tlk, ad for "Coches de Chevrolet" (Kremer-IN 8/28) 0902-0915 (Bobb-Minn 8/18)

Thanks to everyone for their contributions. The two Indo loggings from Guy Atkins were heard during a DXpedition to Lion Rock Plateau, about 10 miles north of Ellensburg, Wash. Although summer static levels were still high, he was able to log RPKDT2 Belitung for the first time. He was DX'ing with Craig Siegenthaler of KIWA Electronics, Home of the MAP.

Gail and I had a great time seeing those of you who attended the hamfest in Virginia Beach last month. Had the pleasure of meeting a new NASWA member, Frank Styron, of Raleigh N. Car. Frank is a very enthusiastic NASWA member and you may soon be meeting Frank through the pages of *FRENDX*.

Many of you already know John Bryant. But for those of you who don't, besides being one heck of a nice guy, John is one of the best DX storytellers I know. (You could read that 2 ways...couldn't you?) Anyhow, I asked John if he would give us an introduction to Indonesian DX'ing and indicate some targets to shoot for over the next couple of weeks as things start to open up to that mysterious country on the other side of the globe. Without further adieu -

Getting Started DX'ing Indonesia
by
John H. Bryant AIA

When I was working my way through the PNG regionals several years ago, I considered Indonesian stations to be QRM! Now, I've joined the ranks of dawn-enhancement DXer's who are addicted to INDO's. There are several reasons: First, like the Andean Latins, there are lots of Indo stations of every power from 250 kw. giants to 250 watt penny whistles; secondly, UNLIKE the Latins, almost all Indonesian SWBC stations QSL correct reports written in Indonesian. Personally, I use Dexter's Indonesian Language Labs to write my reports. Lastly, many DXers specialize in Indonesia because of the hauntingly beautiful gamelan music and the rich and exotic culture.

A few things that you should know:

- 1) Indonesia is a seasonal DX target from all parts of North America. Summers see Irian Jayan stations and a few from central Indonesia. Fall and Spring are the prime seasons for most of Indonesia, and mid-winter seems to be prime time for Sumatera.
- 2) From all except the East Coast of NAm, dawn enhancement is virtually the only time to hear Indonesian broadcasts. There is a second prime time for East Coasters... late afternoons in November, December and January. During those months, East Coast DXers get a shot at the larger Indonesian regional stations on Sumatera and western Java, as well as being able to join the rest of us at "max dawn."

Maybe the best way to start on the Indonesian regionals would be on a NASWA country-by-country tour. There are currently nine NASWA radio countries in the very large territory of Indonesia:

Sumatera: Try for RRI Jambi on the unique frequency of 4927.0 kHz. RRI Banda Aceh on 4954.7 is a bit more difficult, but is sometimes a good performer.

Java: Some of the main transmitters of Voice of Indonesia are near Jakarta. However, most seasons, RRI Surakarta on 4931.6 and RKIP Surabaya on 4700.0 are more fun and play better music.

Bali: Logging Bali from NAM is almost impossible. The only active SW outlet is RRI Denpasar on 3945. Unfortunately, Denpasar is co-channel with the powerful NSB in Japan. The only successful loggings of Denpasar from NAM in recent years has been on the rare occasion when the season was right and NSB had transmitter problems.

Nusa Tenggara (Lesser Sunda Islands): Right now, this country is relatively easy for West Coast listeners, and just barely possible for East Coast residents. The best bet is RRI Mataram in 3222.9. Their modulation is much improved over past years. Another more difficult possibility is RRI Kupang which is virtually co-channel with the more powerful Radio East New Britain on 3385 kHz.

Timur Timor (Port. Timor): RRI Dili on 3306.1v is a steady performer. Tho' weak in the midwest, it is possible for East Coast DXers. You should log this one while you can. It's the only SWBC outlet in the former Portuguese colony on Timor Island.

Irian Jaya (Neth. New Guinea): The western half of New Guinea Island is almost a colony of the rest of Indonesia, and the government has invested heavily in SWBC stations. Currently, the easiest station for most of us is RRI Sorong on 4874.6. RRI Serui, in the clear on 4607.3, and RRI Fak Fak on 4789.7 are also steady performers.

To continue our tour, we'll take another west-to-east pass, this time across the northerly tier of islands:

Kalimantan (Borneo Isl.): There are several reasonable targets on fabled Borneo Island. During the Fall and Winter season, RRI Palangkaraya on 3325 often dominates the co-channel Radio North Solomons. There are also usually times when RRI Pontianak dominates co-channel RRI Ternate.

Sulawesi (Celebese Island): Many of the local people are seafarers. This probably accounts for the number of strong signals from of Sulawesi. RRI Ujung Pandang (4753.4 and alt. 4719) is almost always the strongest tropical band signal coming from Southeast Asia/Pacific. RRI Manado (3214.9), RRI Gorontalo (3264.4) and RRI Kendari (4000.2) are also normally quite prominent at max dawn.

Maluku (Mollucas Islands): The Spice Islands are represented by two 90 meter powerhouses. RRI Ternate (3345) and RRI Ambon, (currently found on 3241.5v) are both very steady performers on 90 meters. Columbus discovered NAM by accident when trying to reach these very Spice Islands. Was the whole trip a scam so that Ol' Chris could go to the studios of RRI Ambon and get a QSL????

That's it! Put on the coffee pot, set the alarm for 30 minutes before dawn and go Indo hunting this year. It's addictive. GOOD LUCK!!!

I'd like to thank John for taking time off from the hard work he is putting in with the NASWA graphics committee to put that article together for us. East Coasters should not be discouraged if they don't hear much at first listen. It takes time, a little luck with propagation, and a good ear, but they are in there. This past week I've heard hets on a number of the above listed frequencies with audio out of Ujung Pandang, Sorong, and Serui. When that 1000' spool of wire I ordered gets here it will time to take the NRD out to the field for a little dawn enhancement DX'ing! And don't forget the evenings. I have heard a few Indos here in the East at sunset, try Padang on 4002.7 or Bukittinggi on 3231.8 for starters.

Hope you all fill up the P.O.Box with the survey. The club is going strong and we look forward to finding out how to best serve the NASWA membership. We need your input! Until next month, good DX'ing and 73 - Bob KW3F

Compuserve ID 74756,1557



LOG REPORT

section B

4900 to 6199 kHz

Editor: Sheryl Paszkiewicz, 1015 Green St., Manitowoc, WI 54220-6231

- 4905 CHAD, RN Tchadienne, 8/5, 2025-2135 FR w/Afro mx, drama px, screaming, ID, TC, nx, fair. (Dillon-GREECE)
- 4910 HONDURAS, LV de la Mosquitia, 9/5, 0220 w/mx, no ID but pretty sure of this (Field-MI)
- 4915 GHANA, GBC-1, 9/4, 0534 in EG/lang w/ID, TCs, kids singing (Kohlbrener-PA)
- 4920 AUSTRALIA, VLM4 Brisbane, 8/10, 0955-1020 w/2M anncg sports event, ID on hour (Klinck)
- 4920 ECUADOR, R. Quito, 9/5, 0252 w/instls, ID 0300, ads, nx abt Colombia bombings, LA nx, good (Kohlbrener-PA)
8/24, 0329 w/continuous EZL mx, promos, SIO=3-33- (Frodge-MI)
- 4930t HAITI, 4VEH, 8/27, 1033-1100 FR w/hymns, tlk, vcl solos, noisy & fading (Bobb-MN)
- 4970 VENEZUELA, R. Rumbos, 8/27, 0047-0100 w/tlk, mx, IDs, noisy (Bobb-MN)
- 4980 VENEZUELA, Ecos del Torbes, 8/19, 0930-0945 w/IDs, "Agerol" ad, mx, tlk, fair (Bobb-MN)
- 5015t BRAZIL, R. Pioneira, 8/2, 0300, lots of tlk by YL, echo ID train whistle, noisy (Howell-CA)
- 5019.9 COLOMBIA, Ecos del Atrato, 9/2, 0145-0210 w/LA mx, ID, 0200 Caracol nx (Alexander-PA)
- 5030 COSTA RICA, R. Impacto, 9/2, 0215 w/mx, glad to hear this instead of Contras bx //6150 (Field-MI)
- 5030 PERU, R. Los Andes, 8/11, 0903-0945 w/NA, IDs, tlk w/barrel effect, mx, fair (Bobb-MN)
- 5035 BRAZIL, R. Aparecida, 8/29, 0019-0050 w/rel pgm, tlk, mx, 0048 ID, fair (Bobb-MN)
- 5040 ECUADOR, LV del Upano, 8/30, 0030-0205* w/mx pgm (Field-MI)
8/20, 0255-0305* w/EZL mx, tlk, ID, P-F (Bobb-MN)
- 5044 COSTA RICA, R. Impacto, 8/16, 0416 w/Anti-Norriega tlk, IDs (Kremer-IM)
- 5045 BRAZIL, R. Cultura do Para, 8/13, 0717-0800 w/tlk, mx, 0758 ID, P-G (Bobb-MN)
- 5075 COLOMBIA, Caracol Bogota, 8/23, 0500-0615 w/pres. nx, ment. drug dealers, IDs, promos, jingles, tlk abt Panama, poor. (Jordan-PA)
Checked after stn owner's home bombed (per CNN) and not hrd here or other freqs. Back on a few nites later (Field-MI)
- 5660.5 PERU, LV de Cutervo, 9/2, 0300-0416* w/ID, anmts, mostly campesino mx, some clx & EZL. Abrupt s/off (Alexander-PA)
- 5960 CANADA, R. Japan Relay, 9/5, 0115 w/EG cmtry, letterbox pgm (Kohlbrener-PA)
RCI, 8/12-13, 2348-0029 w/mx, nx, wx rpt, SWLD (Bobb-MN)
- 5965 ECUADOR, LV del Upano, 8/8, 0209, ID, flutes, FC, s/off anmts (Paszkiewicz-WI)
- 5980 BRAZIL, R. Guaruja, 8/13, 1831 w/game, promos, ads, IDs, weak altho few miles away (Frodge-BRAZIL)
- 6000 BRAZIL, R. Guaiba, 8/14, 2200 w/Bras nx w/remotes, good (Frodge-BRAZIL)
- 6010 BRAZIL, R. Inconfidencia, 8/14, 2211 w/nx //6000, good. (Frodge-BRAZIL)
- 6015 AUSTRIA, R. Austria Int'1, 0653-0700* w/IS, IDs, waltz, TC good. (Bobb-MN)
- 6020 BONAIRE, R. Nederland, 9/7, 1052 EG w/Media Netwk, poor o/Moscow, u/RA (Park-HI)

- 6020 NETHERLANDS, R. Nederland, 8/21, 0115-0125 EG w/Happy Station pgm, good (Newcomer-PA)
8/19, 0129-0139 DT w/IS, ID, tlk (Bobb-MN)
- 6025 DOMINICAN REPUBLIC, R. Amanacer, 8/15, 0303-0403* EG w/Christian mx, "Children's Bible Hour" EG/SP ID at s/off, hvy QRM, LSB best (Kremer-IN)
- 6030 BRAZIL, R. Globo, 8/13, 1840 w/game, not //5980, hvy QSB (Frodge-BRAZIL)
- 6040 BRAZIL, R. Clube Paranaense, 8/13, 1847, game, not //6030 or 5980 (Frodge-BRAZIL)
- 6060 AUSTRALIA, RA Shepparton, 9/3, 1730 w/"Communicator" poor w/lcl QRM (Park-HI)
- 6070 CANADA, CFRX, 9/4, 0547 w/drama, ID, ad for "Morning Star TV Sce" nx, wx, poor (Kohlbrener-PA)
- 6085 WEST GERMANY, DW, 9/4, 0318-0330 EG w/"Religion in Society" (Kohlbrener-PA) Try for Bayer. R. here-sp
- 6115 COLOMBIA, LV del Llano, 8/31, . 0340 w/tlk abt drug wars, ID w/Super promo, festive mx (Howell-CA)
- 6115p JAPAN, NSB Tokyo, 8/30, 0756 JP w/dialog, ment. Japanese cities, ads, LAm QRM (Howell-CA)
- 6135 USA, KUSW, 8/20, 1013 EG w/Doors mx, ad for Magnavox rcvr, Tahiti not noted but QRM HCJB 6130 (Park-HI)
- 6140 UNID, 8/15, 0310 in AR w/YL nx, morning prayer, long tlk by OM (Howell-CA)
- 6150.1 COSTA RICA, R. Impacto, 9/3, 0235 SP w/pops, ballads, ID, jingles //5030 (Alexander-PA)
- 6155 AUSTRIA, R. Austria Int'l, 8/12, 0358-0415 GM w/IDs, sked, nx, big band mx, fair (Dillon-GREECE)
- 6160 ARGENTINA, RN, 8/19, 0135 w/mx, ID "Radio Nacional Argentina desde Buenos Aires, transmitiendo..." (Field-MI)
- 6185 MEXICO, R. Educacion, 8/11, 0725-0837 w/vcls, instls, freq TCs, IDs (Kremer-IN)

That's all for this time. Hopefully the upcoming season will bring some much wanted DX to your radios. Lately you'll note we've had a lot of DXers sending in material heard while on vacation or business trips such as Dan Sheedy from Tobago, Rowland Archer and Harold Frodge from Brazil. Thanks for taking the time to do some DXing and also to send in your loggings! You'll notice I'm doing this on computer this month. Actually it took longer than typing it but it was fun to see how it would turn out.

Please remember to include the date and time in your reports. For anyone not used to my abbreviations, following are a few definitions:

abt	about	o	over
clx	classical music	OC	open carrier
DW	Deutsche Welle	RA	Radio Australia
EZL	easy listening music	TC	time check
FC	frequency check	u/	under
instls	instrumental music	vcls	vocal music
ment	mentioned	w/	with
NA	national anthem	wx	weather
nx	news		

Thanks a bunch for the support. CUN30. *Sheryl*



LOG REPORT

section C

6200 to 11699 kHz

Editor: Jerry Ervine, Box 5204, Hidalgo, TX 78557

- 6215v CLAND R.Quince de Septiembre 0057 SP nx, mx, ID promo, EZL mx, close w/anthem; QRN/Caroline. (Frodge-MI 7/5) / 2335 ment Sandinistas, address in Costa Rica; 333 (Johnson-GA 7/7)
- 6215 PIRATE R.Caroline 0134 EG pop-oldies, ID-"5-5-8 Caroline" (Frodge-MI 7/5)
- 6240 PIRATE Unid 0157 rock mx, abrupt off; 333 (Frodge-MI 6/20)
- 6240 USA-PIRATE Felling Star R. 0213-0500 EG clas mx format, address?, w/Pirate Joe; (Dalton-VA 8/18)
- 6240 USA-PIRATE WKND Radio 0530-0822 EG Cajun mx, Beaver Falls addr same as KRUD Radio; (Dalton-VA 7/22) / "R. Animal" // 1621.3 (Alexander-PA 7/23) / 0406-0422 mx, "Bro Jim Show", newage rel px; (Kohlbrener-PA 7/23)
- 6480 KOREA.REP RK 1611 IT om w/lang lesson, WRTH? //7550 (Park-HI)
- 6804 CLAND R.Venceremos 0229 SP YL/OM catry ra El Salvador, pop mx; moved around; 322. (Frodge-6/4)
- 6830 CLAND R. Quince de Septiembre 0236 SP OM w/catry; (Frodge-MI)
- 7160 INDIA AIR, North HS via Aligarh 1538 EG/HD YL w/nx, ID, Hindi ad w/reverb, lcl mx, tlc; (Park-HI 8/4)
- 7170 NEW CALEDONIA RFO 0640 FR pop vocals, OM, YL ancrs; (Robertson)
- 7180 HONG KONG BBC WS 1511 EG 'Newsreel', anncat "Opera of the WEEK" //9740, 6195, 15310; (Park-HI 8/5)
- 7190 PORTUGAL RFE-R.Liberty 0130 RS? IS and 'R.Swaboda' by OM, tlc catry on Mid-East; 333 (Cichorek-NJ 8/2)
- 7255 NIGERIA VoN 0535-0600 EG ID, nx, mx; 444, 323. (Martin-CA 7/14, 16) *0450 IS-bells or chimes, druas, ID, W.AF. Svc; (Kremer-IN 7/16)
- 7260 YANUATU pres. RV 0655-0710 leng OM ancr, lcl mx; (Robertson-CA)
- 7275 KOREA.REP RK 1627 RS OM w/ lang lessons, 'Panorama'; (Park-HI)
- 7355 USA WRNO 0042 EG 'World of Radio'; g. (Price-VA 7/20)
- 7355 USA-PIRATE WART Radio *0340-0348 EG s/on ID, into QRN(D'Angelo)
- 7399.3 PIRATE Unid 0600-0614* rock mx, tlc. ID? like CHUM; (Alexander)
- 7400 LITHUANIAN SSR R.Vilnius 2200-2220 EG catry; (Kohlbrener-PA)
- 7415 USA-PIRATE R. Jam 0246 EG ID w/QTH in Florida; (Dalton-VA 8/12)
- 7415 USA-PIRATE R.Clandestine 0351-0420 EG rock mx, ID's as part of Pirate R. Net. Address in Kingston, N.Y; 454 (D'Angelo-PA 7/17) /0330-0500 rock mx; (Dalton-VA 7/16)
- 7415 USA-PIRATE Free Radio One 0112 EG catry, rig px, address in OR, heard several times May-July; call-in px; (Frodge-MI 5/28-7/14)
- 7415 USA-PIRATE CCI or CCR Radio 0204 EG mx, PA address; (Frodge-MI)
- 7415v USA-PIRATE KRUD Radio 0201 spoof ads, rock vocals, Mr. Roachclip PA address; 333 (D'Angelo-PA 7/20, 31) / 0120 mx; 322. (Frodge-MI)
- 7416 USA-PIRATE Voice of...? w/Hilo HI addr; p.(Oliver-TX Mon8/14)
- 7240 USA-PIRATE KRUD 0530-0605 EG rock mx, 'Frank Zappa Connection' (Dalton-VA 7/22) / ID, Beaver Falls address; str. (Alexander-PA)
- 7420 USA-PIRATE R. Chaos via R. Clandestine. Many ID's, comic comms, mx, listener's letters; vg. (Dalton-VA 8/11)
- 7480 USA-PIRATE WBRI 0125-0153 EG ID, mx, address in Wash.DC (Dalton)
- 7520nf USA-PIRATE WWCR 0218-0228 EG 'Point of View px'(Tuchscherer-WI)
- 7651 USA VOA-Gvl feeder 0215-0220 EG/Dari nx, EG ID. (Tuchscherer)
- 9445 TURKEY VOT-Sunshine Radio 0318 EG YL/OM w/Turkish folk songs nx 443 (Frodge-MI 7/29)
- 9540 VENEZUELA R. Nac. 0005-0057* SP nx, ID by OM/YL, OM w/ID flwd by folk mx; NA. (Jordan-PA 8/1)
- 9545 SOLOMON IS SIBC 0600-0635 EG/Pidgin choral-like-mx (Robertson) 0737-0758 EG nx w/ments of Honiara, ID; Kremer-IN 7/24)

9550 INDIA AIR 2210 cmtry by YL, blk by YL; 333. (Johnson-CA 7/16)
 9590 SEYCHELLES FEBA 1601 EG YL w/nx, retuning remainder for 11760
 listeners, 'Today w/Derek Prince'; QRM. (Park-HI 7/19)
 9620 YUGOSLAVIA RY 1420-1435 RS ID, rock mx, OMblk; f. (Dillon-GR)
 9650 VATICAN VR 0157-0213 EG rel blk, ID, IS; (Tuchscherer-WI 7/31)
 RFPD 9660 CYPRUS BBCWS relay1435-1450 EG Sports World; g. (Dillon-GR 7/15)
 9680 AUSTRALIA ABC Brisbane 0658 EG Rugby game, QRM. (Robertson-CA)
 9700 BULGARIA R.Sofia 1450-1505 Slavic lang verb conj. ID, IS (Dillon)
 9740 SINGAPORE BBCWS relay 1545-1610 EG Spotts World (Dillon-GR 7/15)
 9720 SRI LANKA SLBC 0025 EG mx, tp's. ID, freqs; 333 (Johnson-CA)
 9725 SWITZERLAND SRI 0404 EG nx, 'Grapevine'//9885, 12035 (Park-HI)
 9750 CANADA RCI 0505 FR/EG OM's w/nx, fin. fin.rpt, freqs, [no Tahiti]
 //6140, 11775, 15225. QRM HCJR; (Park-HI 7/31)
 9850 NEW ZEALAND RNZ 1106 EG nx, wx, tc, jazz mx; (Cichorek-NJ 8/1)
 11350 KOREA_PDR RP 1821 AR nx, ID, waltz mx, trad mx; (Park-HI 6/3)
 11445 CHINA_PDR RB 2351 SP ID, OM w/instr mx, off & on; (Frodge-MI) /
 1300-1330, 1201-1230 Asian lang arias by YL, blk, nx; (Jordan-PA)
 11550 UNID 0345-0420+ AR mx,
 OM anc. nx (Robertson-CA)
 11600 CUBA RH 0212 EG 'Spotlight on I.Am.' nx; (Frodge-MI 7/5)
 11605 ISRAEL KOL 0100 EG? nx, pol. rpt; ex. (Price-VA 7/13)
 11875 UKRAINIAN_SSR KIEV 0215 EG 'Ukrain Today', nx; 433. (Frodge-MI)
 11885 CZECHOSLOVAKIA RP 0147 EG DX px, cmtry.//7345; 322. (Frodge-MI)

With a little space left, I will take this opportunity to go over some ground rules for Log Report C. Please limit your loggings to those that would serve the best interest of the majority of our readers. Please cut them into strips. Please write clearly. As the season improves, I will be scratching the more common reports for the sake of space.

I hope that you all had a wonderful Summer. It started out slow for me but from July 14 to August 14 I made it to Tampa-ST. Petersburg, Mexico City, Mendocino-CA, and Alice-TX. That's packing it in! Have fun and continued good DXing. je

FOR SALE: 1. ICOM R71A WITH FILTER MODIFICATION AND PASS BAND TUNING, \$650.00. 2. FRG-7 WITH 2.9 COLLINS FILTER AND DIGITAL READOUT. I HAVE TWO SETS, \$25.00 EACH. 3. DRAKE R4A WITH OUTBOARD CRYSTALS. IN GOOD CONDITION, \$200.00. 4. INFO-TECH M-600 MULTI-MODE CODE RECEIVER WITH MONITOR, \$400.00. 5. ADVANCED ELECTRONIC MBA-RO CODE READER, \$100.00. ALL IN LIKE NEW CONDITION AND WITH MANUALS. I WILL SHIP UPS. RALPH SANSENERO, 11300 MAGNOLIA #43, RIVERSIDE, CA 92505.

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LOG REPORT

section D

1700 and above

Editor: Wallace C. Treibel, 357 N.E. 149 St., Seattle, WA 98155

- 11700 ALASKA KNLS in EG 1515, nx, ID, religious talk (Tuchscherer WI 9/1)
11700 FRANCE RFI in FR 0445, DJ w/pop mx, sked, ID (Dillon GREECE 8/6)
11715 MALI R. Beijing relay in EG 0302, world nx, nx about China (Kohlbrener PA 9/4)
11735 YUGOSLAVIA RY in EG 0025, program on amateur radio in Yugoslavia (Hall 8/19)
11750 SEYCHELLES IS. BBC relay in EG *0300, IS, site ID, world nx (Howell CA 8/8)
11775 CANADA RCI in EG/FR 0529, ID in EG, into nx in FR, f (Park HI 8/15)
11780 VATICAN STATE VR in EG 0050-0110*, nx, church items, g (Kohlbrener PA 9/5)
11784v INDONESIA VOI in IN 1240, Asian pop mx, chatter, nx, ID in EG (Lackmann VA 8/21)
11795nf PHILIPPINE IS. R. Veritas in EG/JP *1158, ID's in both lang, IS (Lackmann 8/19)
11800 ITALY RAI in EG 1943, nx cmntry, ID 1845, QRM from R. Havana (Lackmann 8/20)
11820 CUBA RHC in EG 0000, nx, "Spotlight on Latin America" (Kohlbrener PA) EG 0340 Cuban mx, DJ, ID, address, QRM from 11815, p (Dillon GREECE 8/12)
11850 PHILIPPINE IS. FEBC in EG 1045, relig messages, s/off w/ID 1100 (Lackmann 8/23)
11910 HUNGARY R. Budapest in EG 0050, tlk re American sci-fi & other topics (Hall 8/19)
11920 SPAIN REE in SP 1811, noted while looking for Cote D'Ivoire, ID (Tuchscherer WI)
11930 NETHERLAND ANTILLES TWR in EG 0400, "Characters in History", f (Park HI 8/27)
11940 ROMANIA R. Bucharest in EG 0408, nx, over/under R. Dubai, p (Park HI 9/5)
11945nf ALASKA KNLS in EG 1803, nx, relig reading, jazz mx, ID (Tuchscherer WI 8/8)
11985 BELGIUM BRT in DT 0457, celeste 16, ID, anncts, pips, nx, f (Park HI 9/5)
12025 IRAQ V. of the Masses in AR 1857, ID, cmntry re Lebanon (Dillon GREECE 8/11)
12025 NO. MARIANAS KFBS in CH 9900, female anncr w/some mx, f-p (Klinck NY 8/14)
13610 EAST GERMANY RBI in SP/EG 0229, SP to 0229, then EG, pop mx (Frodge MI 8/3)
13650 CANADA RCI in EG 1850, pgm re Labor Day in Canada, problems facing fishermen in Newfoundland, into FR 1900 (Kohlbrener PA 9/4)
13660 COSTA RICA RFPI in EG 0333, tlk on excessive military spending (Frodge MI 8/9)
13660 IRAQ R. Baghdad in EG 2005, Iraqi mx, ID, political cmntry, g (Price VA 8/22)
13730 AUSTRIA RAI in EG 0135, econ interview, tlk on expatriates, g (Price VA 8/5)
13780 MALTA D. Welle relay in Farsi? 1758, IS, Persian mx, relay site ID (Park HI)
15000nf AUSTRALIA VNG time station in EG 0629, pips, ID, address (Howell CA, Hyson NC)
15050nf INDIA AIR in EG 1033, mailbag, "Faithfully Yours", //17740, p (Park HI 8/14)
15105 ANTIGUA D. Welle relay in PT *2130, IS, ID, nx, gong 2135, f (Jordan PA 9/1)
15120 VATICAN STATE VR in EG 1547, sked, African mx, Pope's blessing (Dillon GREECE)
15160 AUSTRALIA RA in EG 0602, nx, "International Report", g (Kohlbrener PA 9/4)
15171 SOCIETY IS. R. Tahiti in FR 0835, light classical mx, f-p (Klinck NY 8/28)
15180 VATICAN STATE VR in FR/EG 0030-0110*, relig oratory, IS, ID (Jordan PA 8/25)
15180nf SOUTH AFRICA RSA in PT 2020-2055*, tlks, mx, ID's, IS, fqys (Jordan PA 8/27)
15185 FINLAND RF in EG 0230, "Northern Report", press opinion, sports, g (Price VA) in EG 0234, FN nx, feature on Estonia, g (Frodge MI 8/3)
15210 SWAZILAND TWR in EG 1814, Bible study pgm, instrml mx, ID, addr (Park HI 9/4)
15240 EAST GERMANY RBI in EG 0238, world nx, Afro pop mx, //13610, f (Frodge MI 8/3)
15245nf AUSTRALIA RA in EG 1450, ID, nx (Tuchscherer WI 8/23) in EG 1615, "International Report", stock rpt, wx, C&W mx, f-p (Jordan PA 8/18) in EG 1801, nx (Park 9/4)
15295 PAKISTAN RP in Bengali *1229, IS, ID, Koran recitation, f (Lackmann VA 8/19)
15315 NETHERLANDS ANTILLES R. Netherlands relay in SP 0308, "Radio Enlace" (Park 8/26)
15325nf FRENCH GULIANA R. Japan relay in EG 0307, nx, cmntry, feature, g (Price VA 8/29)
15330nf BULGARIA R. Sofia in EG 2300, ID, nx, cmntry, "Sports Roundup", "Tourism '89" (Kohlbrener PA 9/4) in EG 2045, DX pgm, anncd //15290, f (Lackmann VA 8/18)
15340 ROMANIA R. Bucharest in EG 1740, propaganda, ID, radio contest (Dillon GREECE)
15345 ARGENTINA RAE in SP 1900, tangos, f (Frodge BRAZIL 8/13) ED: DX'ing in S. Amer?
15360 SINGAPORE BBC relay in EG 1034, "Vintage Chart Show", g (Park HI 8/14)
15360 FRANCE RFI in PT 1826, nx, ID, jazz mx (Tuchscherer WI 8/12)
15365 SOUTH AFRICA RSA in EG 1900, IS, ID, nx (Tuchscherer WI 8/12)
15505 KUWAIT R. Kuwait in AR 2225, tlks, ME mx, //15495, f (Howell CA 8/23)
15540nf CZECHOSLOVAKIA R. Prague in EG 0120, "Radio Magazine of the Air" (Frodge MI 8/6)
15570 MADAGASCAR R. Netherlands relay in EG 1850, tlk, "Over to You" (Howell CA 8/26)
15575 SO. KOREA RK in EG 1430-1500*, nx, vocals, instrumentals, ID, p (Jordan PA 9/2)
15600 LIBERIA VOA relay Monrovia in EG 1735, "Now Music USA", g (Park HI 9/7)
15605 PAKISTAN RP in Urdu 1355, Pakistani mx, ID, pips, nx (Dillon GREECE 8/6)
17620 FRANCE RFI in EG 1624, mailbag pgm, into FR service 1654 (Kling TX 8/20)
17630 ISRAEL Kol Israel in EG 2148, nx, DX pgm, ID's (Tuchscherer WI 8/13)
17715 CHINA R. Beijing in EG 0030, opera mx, mailbag pgm, g (Newcomer PA 8/21)

- 17730 VATICAN STATE VR in EG 0501, taped sermon by Pope John Paul (Kremer IN 8/3)
- 17735 OMAN R. Oman in AR 1623, AR mx, ID 1631, short tlk, mx (Tuchscherer WI 9/1)
- 17740nf INDIA AIR Delhi in EG 1037, mailbag, "Faithfully Yours", p (Park HI 8/21)
- 17740nf YUGOSLAVIA RY in EG 1230*, "Spotlight on Culture", ID, mx, exc (Jordan PA 8/28)
- 17745 ALGERIA RTVA in AR/FR 1850, recitations, pips, ID, accordion mx, f (Jordan 8/17)
- 17755 BRAZIL R. Suriname via Radiobras in EG/DT 1731, mailbag pgm, mx, f (Park 8/21)
- 17755nf CYPRUS BBC relay in EG 2233, "Newshour", g (Jordan PA 8/8)
- 17760 ANTIGUA BBC relay in EG 2040, "Book Review", f-g (Kling TX 8/24) EG 2030-2115*, "Science in Action", nx roundup 2100, sports summary, f (Jordan PA 8/11)
- 17765 JAPAN RJ in EG 0708, nx, cmntry re Polish coalition gov't, f (Park HI 8/22)
- 17780 ITALY RAI in IT 1846, music from the 30's, ID, QRM after 1900 (Kremer IN 8/2)
- 17790 SOUTH AFRICA RSA in DT 1751-1757*, interview, p (Park HI 9/1)
- 17790 ASCENSTON IS. BBC relay in EG, nx, press review, "World Today" (Price VA 8/22)
- 17795nf ANTIQUA D. Welle relay in GM 2200*, classical mx, site ID (Tuchscherer WI 8/28)
- 17804nf BANGLADESH RB in Bengali? 1725, ID, S. Asia mx, p w/QRM from VOA (Park HI 9/8)
- 17810 SRI LANKA D. Welle relay in EG 1910, "Newline Cologne", R.Japan QRM (Park 8/29)
- 17820 CANADA RCI in FR/EG 1440, ID, sked, into EG 1445, nx, f (Dillon GREECE 8/18)
- 17820 JAPAN RJ in IN 1031, JP lessons, //15300, f (Park HI 9/3)
- 17825 MALTA D. Welle relay in EG 1620, GM nx, "Development Forum", ID (Dillon 8/19)
- 17840 CZECHOSLOVAKIA R. Prague in EG 1728, IS, ID's, freqs, nx, p (Park HI 9/8)
- 17875 HONG KONG BBC relay in EG 2340, "Multitrack I: BBC Top 20", p (Park HI 9/4)
- 17890nf INDIA AIR IN EG 1035, "Women's World" re 17th century princess, f (Park 9/3)
- 17895 WEST GERMANY R. Liberty in RS 1745, Central Asian mx, ID 1800 (Howell CA 8/26)
- 21450nf CZECHOSLOVAKIA R. Prague in AR 1700-1727*, ID, nx, pop mx, tlks, f (Jordan 8/18)
- 21500nf GABON Africa #1 in EG 0722, authorez recounting her experiences in Okinawa during World War II, //15270, 17810, p (Park HI 8/15)
- 21505 CZECHOSLOVAKIA R. Prague in FR 1825, IS, ID's, skeds, nx, f (Jordan PA 8/18)
- 21535 SOUTH AFRICA RSA in EG 1402, African mx, nx, ID's (Tuchscherer WI 8/29)
- 21545nf CANADA RCI in GM *1630-1659*, sked, freqs in EG, IS, nx, tlks (Jordan PA 8/29)
- 21585nf PHILIPPINE IS. VOA relay in CH 1015, EG lessons, usually jammed (Park HI 8/30)
- 21640nf ANTIQUA D. Welle relay in GM 1048, tlk on start of WW II, f (Park 9/1) ED: This one was noted as new freq since WRTH & PWBR list this freq as Sri Lanka relay.
- 21690nf? GABON R. Japan relay in EG 0725, post WW II songs, ID, sked, pips, into JP 0800 ED: WRTH & PWBR list this one at 21695. Have they moved back 5 mhz?
- 21740nf PAKISTAN RP in EG 1612, nx "Typewriter Song", ID, freqs, f-p (Lackmann VA 8/27)

 Again we have room for USSR listings, so here they are in frequency order:

- 11785 R. Tashkent in EG 1345, cmntry, traditional song (Howell CA 8/17)
- 11790 R. Yerevan in EG 0250, ID, econ tlk, mx, f (Price VA 8/13)
- 11790 R. Kiev in EG 2330, cmntry on 50th anniv of start of WW II (Kohlbrenner PA 9/1)
- 11940 R. Moscow in CH 1420, nx?, IS 1429 (Tuchscherer WI 8/29) New frequency.
- 11980 R. Moscow RP&P in EG 2100, nx, cmntry, ID, f (Price VA 8/16)
- 13745 R. Moscow in EG 0212, cmntry, interviews, p (Frodge MI 8/3)
- 12015 R. Yerevan in EG 1807, world nx, "Top Priority", p (Park 9/3)
- 12030 R. Moscow in EG 0801, world nx, ID, culture pgm (Dillon GREECE 8/13)
- 12040 R. Moscow in IT 1920, ID, tlks, classical mx (Dillon GREECE 8/11)
- 12070 R. Tikhiv Okean in RS/EG 0741, ID in EG, cmntry, f (Park HI 8/12)
- 15330 R. Moscow in EG 0245, feature on USSR strikes, f (Frodge MI 8/3)
- 15375 R. Moscow in RS 1500, nx, interviews, actualities, mx, g (Jordan PA 9/2)
- 15455 R. Moscow in EG 0420, annct of Moscow rockfest, nx (Dillon GREECE 8/12)
- 15570 R. Moscow in FR 1432, "African Panorama", ID, IS, feature (Dillon 8/6)
- 15585 R. Moscow RP&P in PT/SP 0325, rock mx, clarinet ID, nx, p (Park HI 9/7)
- 15585 R. Moscow WS in EG 1415, nx and views, violin, g (Dillon GREECE 8/6)
- 17570 R. Moscow in EG 0442, hosted mx pgm, p (Park HI 8/21)
- 17595 R. Moscow RP&P in EG 1650, tlk, ID, sked (Park 8/23, Dillon 8/19)
- 17645 R. Moscow Mayak in RS 2345, Bon Jovi's "Living on a Prayer", f (Park HI 8/23)
- 17655 R. Moscow in EG 2258, "Sidelights on Soviet Life", mx, nx (Kremer IN 8/24)
- 17880 R. Moscow in EG 2333, features on WW II era, RS poet, f (Frodge MI 8/27)
- 21690 R. Moscow in EG 2258, same as 17655 - see above (Kremer IN 8/24)
- 25780 R. Moscow in EG 0520, press comments, ID, nx (Dillon GREECE 8/6)

 Loggings reported in last month's issue are not repeated in this month's FRENDEX. Please consult the September issue for a more complete update. On September 11, the Solar Flux rating was 295!! However, we are experiencing high background noise level above 17 mhz at this QTH. Apparently, there is too much solar activity going on. I guess you just have to luck into the rare quiet days at the higher frequencies. If I can't hack it with an NRD-525 and an Eavesdropper antenna 50 ft. in the air, I guess I'll blame the sunspots!

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Thanks to Gordon Darling of Papua New Guinea, Andy Sennitt of the WRTH, Pieter Martins of the SABC, Chuck Roswell of TWR Bonaire, John Carson of Norman, OK, Kris Field of Ambler, PA, Chuck Rippel of Virginia Beach, VA and Dave Alpert of NYC. All together, these people contributed over 30 different schedules for for the column. I appreciate the interest shown in the column.

Israel reverted to standard time Midnight Saturday, September 2. Kol Israel changed its schedules, both times and frequencies, on September 3. There was no mention of the East European targets and the 22m outlet present in the J89 schedule. Romania's European service at 1930 is very easy to hear on 11940. The move of Austria at 1130 to 21475 for NA is a vast improvement here. No co-channel interference (finally!). R RSA changed frequencies effective September 3 and its move to 21535 at 18 and 19 UT make it easy to listen to these transmissions. All R RSA transmissions are listenable on at least one frequency. There were solar flares 0903/1034, 0903/1432, 0904/0904 and 0904/0919; at 0904/1230 R Bangladesh on 15195 was quite decent. If you thought R Bras had a haunting interval signal, listen to this one that starts up at 1228. The V of Vietnam, an hour later, on 15010 was also providing a better than usual signal. On the 5th, Bob Brown tipped me to a better than usual African opening on the tropical bands. Low-power Sierra Leone on 3316 was quite decent, and a 10-minute newscast in English was heard at 2300. It has been heard many evenings since. A few kHz higher, at the same time, Ghana on 3366 has been booming in. R Kiev changed virtually all frequencies except one. WRNO apparently was off the air from at least mid-week, the 6th or 7th, for a week or more. R Yerevan at 0250-0300 on new 17690 (ex-17665) and 15180. Note that the Russians, the German Democratic Republic, Bulgaria, Hungary, Yugoslavia and others shifted on September 24 to standard time, adding one hour to the current UTC listings. The Russian exceptions seem to be Tashkent and Radio Station Peace & Progress. The latter apparently only shifted the last broadcast of the day directed to Europe. Radio Sweden made a host of changes effective September 24. The most significant one for NA listeners is that the evening release moved from 0300 to 0230, but no change in frequencies. Syria to NA changed moved from 12085 back to 15095, parallel to 17710, at 2105.

PC Software for PC/XT/AT/PS2 and compatibles: English Language SWBC Schedules, with a new feature of loading frequencies into the memories of the JRC NRD-525 and the Kenwood R-5000 from the computer. ASCII text file subscriptions for those without a PC compatible. Receiver computer control programs for the NRD-525 and R-5000. Utility Logbook for logging utility stations. For more information send a business-sized SASE to TRS Consultants (address above) or download information from the Pinelands RBBS.

Charles Broyles of Pittsboro, NC, observes that the CBC Northern Service "is 90 or 95% gone." The English noted on 9625 is now Eskimo and Indian dialects, and 11720 is gone altogether. Chas wonders if R New Zealand will be next. Dunno: I never had a CBC schedule nor did I ever knowingly listen to the CBC NS. RNZ on the other hand seemingly is running a decent amount of power on the 17m outlet; I hear that quite regularly now and I recall some recent decisions have been made to expand that voice. Glad to hear you are a regular listener to the ANARC SWL Net (Sun 7240 10 a.m. Eastern) and I too like the equipment comments. I too pick through the loggings and extract the items of interest. I assume you heard on 9/22 Jonathan Mark's comments and interview with the people involved with the Lowe receiver. When you get the receiver, why not write up a review of it and submit it to the "Technical Topics" column? It ought to make for some interesting reading.

Bandscanning R Moscow from the NJ Pinelands on Sunday, the 25th when S89 changes went into effect (the best outlets are incorporated into the database and listings; 9600 and 11840 are via Cuba):

observed:

1100:	WS:	21800	21740	17890	17830	17815	17660	15590	15585
		15550	15535	15530	15220	9600			
1200:	WS:	21800	21725	17830	17815	17660	17645	17605	17570
		15590	15585	15550	15530	15520	15220	15210	15110
		9600							
1300:	WS:	21725	17830	17815	17660	17655	17645	17605	17570
		15585	15550	15540	15530	15220	15135	11840	
1400:	WS:	21740	21725	17830	17815	17665	17660	17655	17645
		15585	15540	15320	15220	11840			
1500:	WS:	21725	17815	17665	17660	15585	15135	11840	
1600:	WS:	17660	15585	15540	15135	11840			
1700:	WS:	17660	15585	15135	11840				
1800:	WS:	15585	15500	15135	13625	11840			
1900:	WS:	15500	15135	13625	11840	9865			
2000:	UK:	9685	9470	7380	7370	7240			
2100:	WS:	11840	11695	9865	7380	7370			
2200:	WS:	9865	9765	9665	9500	7380	7370	7160	

announced (best included in listings):

2300:	ENA:	17840	17700	17605	15425	15405	12050	11750	11730
		9865	9765	9720	7150				
0000:	ENA:	add 9600; drop 15405.							
0100:	ENA:	add 21470.							
0200:	ENA:	add 9700, 7290.							
0300:	ENA:	drop 11730.							

observed:

0400: WNA: 17840 17665 17605 15425 15180

And finally, Jonathan Marks and Bob Horvitz tell us that Kaz Matsuda, the popular host of Radio Japan's DX Corner, will be leaving NHK for a new position outside broadcasting in Australia. I had the pleasure of meeting Kaz for the first time at this year's ANARC convention, and I am sorry to see him leave NHK. I wish you well in your new endeavors, Kaz. Thank you for all your contributions to the SW listening fraternity.

Changes entered between 08/25/89 and 09/26/89.

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time
Compiled by Thomas R. Sundstrom, W2IQ

Start 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	Bulgaria	R Sofia	15330	11660							NA		09/24/89
0000 0027	Finland	R Finland	15185	11755							NA/SA		09/20/89
0000 0030	Israel	Kol Israel	15615	12077	11605						NA		08/27/89
0000 0200	Luxembourg	R Luxembourg	6090								regional		09/24/89
0000 0200	Mariana Is	KY01	15435	15405							SE As/Phi1/China/Jap	270/310 deg	08/28/89
0000 0100	USA	VDR	15205	11740	11695	11740	11580	9815	9775	5995	Caribbean/Americas		09/24/89
0000 0100	USSR	R Moscow	11750	9865	9765	9720	9600	7150			EMA	and 6 other freq's	09/24/89
0030 0055	Belgium	BRT	9925								NA/SA		09/16/89
0030 0100	Hungary	R Budapest	15160	11910	9835	9585	9520	6110			NA	exc Mo	09/24/89
0030 0100	USSR	R Kiev	17690	17665	15180	11675	9800	9610			NA		09/24/89
0045 0130	German Dea Rio	R Berlin Int'l	11890	6080							EMA		09/21/89
0100 0200	Canada	R Canada Int'l	13720	11940	11845	9755	9535				LA		09/23/89
0100 0150	Fed Rep Germany	R Deutsche Welle	15105	11865	9735	9565	6145	6040			EMA		09/03/89
0100 0130	Israel	Kol Israel	15615	12077	11605						NA		08/27/89
0100 0200	Japan	R Japan	17845	17835	17810	17775	5960				60S/Asia/NA	\$5 v Canada#4 -0130	09/08/89
0100 0130	Sweden	R Sweden	9640	7225							As/Pac		09/20/89
0100 0300	USA	KUSW	11695								Canada	70 deg	08/28/89
0100 0200	USA	VDR	15205	11740	11580	9815	9775	9455	6130	5995	Caribbean/Americas		09/24/89
0100 0300	USSR	R Moscow	21470	17840	17700	11750	9865	9720	7290	7165	EMA	and 6 other freq's	09/24/89
0100 0145	Yugoslavia	R Yugoslavia	11735	6005	5980						W Eu/NA		09/25/89
0130 0200	Hungary	R Budapest	15160	11910	9835	9585	9520	6110			NA		09/24/89
0130 0330	Iraq	R Baghdad	11810	9515							NA/SA/Ind/Pakis		09/24/89
0130 0200	Philippines	R Veritas Asia	15360	15220							As		09/12/89
0145 0330	New Zealand	R New Zealand Int'l	17705	15485							Pac/Aus/Melanesia	Sat & Su only	09/09/89
0200 0300	Canada	R Canada Int'l	13720	11940	11845	9755	9535				LA	Tu-Sa	09/23/89
0200 0245	German Dea Rio	R Berlin Int'l	11890	6080							EMA		09/21/89
0200 0700	Buac	KSDA	15225	13720							As	Eng 02-03	08/28/89

0200	0230	Israel	Kol Israel	15615 12077 11605	NA	08/27/89
0200	0600	N Mariana Is	KY01	17865 17780	SE As/Indon/Phil/Jap 270/340 deg	08/28/89
0200	0256	South Africa	Radio RSA	11935 9615 9580	NA	08/27/89
0200	0300	USA	V0A	15205 11580 9815 9775 5995	Tu-Sa	09/24/89
0230	0245	Hungary	R Budapest	15160 11910 9835 9585 9520 6110	Tu/W/F/Sa	09/24/89
0230	0300	Sweden	R Sweden	11705 9695	NA	09/20/89
0245	0330	German Dem Rep	R Berlin Int'l	15125 11890 11785 6080	EMA/WNA	09/21/89
0300	0330	Austria	R Canada Int'l	9645	ME	09/23/89
0300	0350	Fed Rep Germany	R Deutsche Welle	15205 11810 9545 6085	NA	09/03/89
0300	0520	South Africa	Radio 5	4880		09/08/89
0300	0505	South Africa	Radio Orange	3215		09/08/89
0300	0500	USA	KUSH	9815	Canada	08/28/89
0300	0430	USA	V0A	11835 9575 9525 7280 6035	Africa	09/24/89
0300	0330	USSR	R Kiev	17690 17665 15180 11675 9600 9610	NA	09/24/89
0300	0400	USSR	R Moscow	21470 17840 17700 9865 9720 7290 7165	NA	09/24/89
0330	0430	England	BBC	9915 6175 5975	EN; NA/CA/Carib	09/23/89
0330	0400	Japan	R Japan	17835 17810 17765	GOS/Asia	09/08/89
0330	0425	Netherlands	R Nederland	11720 9590	WNA	09/02/89
0330	0730	New Zealand	R New Zealand Int'l	17705 15485	Pac/Aus/Melanesia	09/09/89
0350	0400	USSR	R Yerevan	17690 15180	WNA	09/24/89
0400	0430	Austria	R Canada Int'l	11790	ME	09/23/89
0400	0500	Bulgaria	R Sofia	15140 11765 11735 11720	Afr/NA	09/24/89
0400	0445	German Dem Rep	R Berlin Int'l	15125 11785	WNA	09/21/89
0400	0450	Turkey	V of Turkey	17760 9445	SE As/NA	09/24/89
0400	0500	USA	V0A	7200 7170 9740 6140 5995	ME/N Af/Eu	09/24/89
0400	0700	USA	MNLK	9465	Mo-Sa	08/30/89
0400	0430	USSR	R Moscow	17840 17665 17605 15425 15180 12050	WNA	09/24/89
0430	0500	England	BBC	9915 5975	WS; NA/CA/Carib	09/23/89
0430	0600	USA	V0A	9575 9540 9525 7280 6035	Africa	09/24/89
0430	0500	USSR	R Moscow	17840 17665 17605 15455 15425 15180 12050 12010	WNA	09/24/89
0500	0530	England	BBC	9915 9640 5975	WS; NA/CA/Carib	09/23/89
0500	0515	Israel	Kol Israel	17685 17630 17575 15485 11605 11588	Aus/As/NH/W Eu	08/27/89
0500	0530	USSR	V0A	15205 11925 9740 9700 9670 7200 7170 6140	ME/N Af/Eu	09/24/89
0500	0515	Vatican State	R Moscow	15455 15425 15180 12050 12010 12000	WNA	09/24/89
0510	1640	South Africa	Vatican Radio	17730 15190	E Afr	09/16/89
0525	1630	South Africa	Radio Orange	7285		09/08/89
0530	0730	England	Radio 5	11885	WS; NA/CA/Carib	09/08/89
			BBC	9640 5975	v Antioqua	09/23/89

0530	0600	USA	VOA	15205	15195	11925	9740	9700	9700	9670	7200	ME/N Af/Eu	09/24/89
0530	0630	USSR	R Moscow	15455	15425	15180	13445	13405	12030	12010	12000	WNA	09/24/89
0600	0645	German Dem Rep	R Berlin Int'l	13610	11810	9645	6115	5965				Af/NE/Eu	09/21/89
0600	0800	N Mariana Is	KY01	17855	17780							SE As/Phil/Japan	08/28/89
0600	0700	USA	VOA	15195	11925	11805	7325	7200	7170	6140	6095	ME/N Af/Eu	09/24/89
0600	0800	USA	WHR1	9495	6100							Eu/CA/SA	08/28/89
0600	0620	Vatican State	Vatican Radio	9645	6185							Eu	09/16/89
0601	0700	USA	VOA	11915	9575	9540	9530	7280	6125	6080	6035	Africa	09/24/89
0615	0630	Canada	R Canada Int'l	11840	9760	9740	7155	6150	6050			W Eu/Afr	09/23/89
0615	0700	German Dem Rep	R Berlin Int'l	17880	15240							As	09/21/89
0630	0800	USSR	R Moscow	13645	13605	12040	12030	9580				WNA	09/24/89
0645	0700	Canada	R Canada Int'l	11840	9760	9740	7155	6150	6050			W Eu/Afr	09/23/89
0700	0900	Guam	KSDA	15225	13720							As	08/28/89
0730	0800	Bulgaria	R Sofia	17825	15160	11765						W Eu	09/24/89
0730	0755	Finland	R Finland	11755	9580	6120						Eu/NE/Afr	09/20/89
0730	0825	Netherlands	R Nederland	15560	9630							NZ/Aus	09/02/89
0800	0825	Belgium	BRT	21815	11695	6035						SE As/Aus/Eu	09/16/89
0800	1000	N Mariana Is	KY01	17855	9530							Aus/NZ/Japan	08/28/89
0800	0900	USA	KNLS	9840								As	09/12/89
0800	1000	USA	WSHB	13760	9455							Canada/SA	08/28/89
0830	0900	Austria	ORF	21490	15490	13730	6155					Eu/NE/Afr	08/26/89
0845	0930	German Dem Rep	R Berlin Int'l	21465	21540	9730	7185	6115	6040			Far E/Eu	09/21/89
0900	0955	Finland	R Finland	17800	15245							Aus/StSE As	09/20/89
0900	1000	Guam	KSDA	11980	13720							As	08/28/89
0900	1000	Japan	R Japan	17890	17810	15270						SOS/As/Oc	09/08/89
0900	1205	New Zealand	R New Zealand Int'l	11780	9850							Aus/Melanesia	09/09/89
0910	0940	Mongolia	R Ulan Bator	12015								Aus	09/04/89
1000	1025	Belgium	BRT	26050	21810							Afr	09/16/89
1000	1045	German Dem Rep	R Berlin Int'l	21465	21540	11890						Far E/ENA	09/21/89
1000	1200	N Mariana Is	KY01	15115	9530							Phil/Indon/China	08/28/89
1000	1200	USA	VOA	11915	9590							Caribbean/Americas	09/24/89
1000	1200	USA	WSHB	9495	9455							Canada	08/26/89
1030	1125	Netherlands	R Nederland	9505	6020							Aus/Carib	09/02/89
1045	1130	Hungary	R Berlin Int'l	6115								Eu	09/21/89
1045	1100	Hungary	R Budapest	15160	11910	9835	9585	7720	6110			Eu	09/24/89
1100	1200	England	BBC	11775	9515	6195	5965					WS: NA/CA/Carib	09/23/89
1100	1130	Israel	Kol Israel	21760	17685	15650	15485					W Eu/Aus/As	08/27/89
1100	1200	Japan	R Japan	11840	11815	6120						SOS/Asia/NA	09/08/89

1100	1156	South Africa	Radio RSA	25790	11900	11805	Afr/NE/UK/Ireland	43 to Maabia	09/08/89
1100	1200	USSR	R Moscow	21800	17890	17830	World Service	46 v Cuba	09/24/89
1130	1200	Austria	ORF	21475	15430	13730	ENA/As/Aus		09/26/89
1130	1200	Canada	R Canada Int'l	17820	11855	9635	Carib/USA	M-F	09/23/89
1130	1145	Hungary	R Budapest	15160	11910	9635	Eu	Sa	09/24/89
1130	1225	Netherlands	R Nederland	21615	21480	17375	Eu/NE/AS	42 v Madagascar	09/02/89
1200	1345	Enland	BBC	11775	9515	6195	MS: NA/CA/Carib	4143 Ant:42 Sack	09/23/89
1200	1225	Finland	R Finland	21550	13400		NA	M-F	09/20/89
1200	1245	German Dem Rep	R Berlin Int'l	17775	13690	9665	Eu/NE		09/21/89
1200	1230	Monolia	R Ulan Bator	12015	9615		Japan		09/04/89
1200	1400	N Mariana Is	KY01	15285	9465		Aus/Fap/NG/SE AS	198/270 deo	08/28/89
1200	1256	South Africa	Radio RSA	21590	11805	9585	E&S Afr	42 to Maabia	09/08/89
1200	1300	USA	WRNO	9715			NA/CA	20 deo (Su only)	08/28/89
1200	1300	USSR	R Moscow	21800	21725	17660	World Service	46 v Cuba	09/24/89
1200	1225	USSR	R Tashkent	15460	11785	9715	As		09/09/89
1200	1215	Vatican State	Vatican Radio	21515	21485	17865	Aus/NI/CA&S&M AF	4143 F -1220	09/16/89
1230	1315	German Dem Rep	R Berlin Int'l	21540	21465	17880	As		09/21/89
1230	1300	Sweden	R Sweden	21570	17740	15190	As/Pac		09/20/89
1300	1600	Canada	R Canada Int'l	17820	11955		Carib/NA	Su	09/23/89
1300	1330	China	R Canada Int'l	15210	11955		SE AS & India	via China	09/23/89
1300	1325	Finland	R Finland	21550	15400		NA	M-F	09/20/89
1300	1356	South Africa	Radio RSA	21590	17730	11805	Ind/Pak/FE	43 to Maabia	09/08/89
1300	1400	USA	WHRI	11790	9465		Eu/CA/SA		08/28/89
1300	1500	USA	WRNO	11965			World Service	20 deo (Su only)	09/24/89
1300	1400	USSR	R Moscow	21725	17660	17570	F East/Aus/NA	46 v Cuba	09/25/89
1300	1330	Yugoslavia	R Yugoslavia	25795	21555	17740	NE		09/21/89
1315	1400	German Dem Rep	R Berlin Int'l	15240	11705		SE AS/NA	41 M-F/2 M-Sa	09/16/89
1330	1355	Belotum	BRT	21815	21810		SW AS		09/24/89
1330	1400	Turkey	V of Turkey	17785			As		09/09/89
1330	1355	USSR	R Tashkent	15460	11785	9715	As		09/21/89
1345	1430	German Dem Rep	R Berlin Int'l	21540	21465	17880	NA	Sa&Su -1500	09/20/89
1400	1425	Finland	R Finland	21550	15400		Eu		09/21/89
1400	1445	German Dem Rep	R Berlin Int'l	6115			60S/As/Au		09/08/89
1400	1500	Japan	R Japan	11865	11815		SE AS/India/China	285/310 deo	08/28/89
1400	1600	N Mariana Is	KY01	15385	9530		As/Pac		09/20/89
1400	1430	Sweden	R Sweden	17740	11905		World Service	46 v Cuba	09/24/89
1400	1500	USSR	R Moscow	21725	17830	17660			

Changes entered between 08/25/89 and 09/26/89.

ENGLISH LANGUAGE DX SHOWS: By Day of Week
Compiled by Thomas R. Sundstrom, W2XQ

Shortwave DX Program	Show Issn Start Time	Country	Station	Freq							Target Area	Notes re DX Show	Record Last Updated
				#1	#2	#3	#4	#5	#6	#7			
** DAY OF THE WEEK: Sunday													
Radio World	0040	Belgium	BRT	9925								NA/SA	09/16/89
SNL Direct	0105	Canada	R Canada Int'l	13720	11940	11845	9755	9535				LA	09/24/89
SN Club	1045	Hungary	R Budapest	15160	11910	9835	9585	7220	6110			Eu	09/24/89
DX Show & Mailbag	1915	USSR	R Kiev	9600	7240	7205	7150					Eu	09/24/89
DX Corner	2020	Israel	Kol Israel	17630	17575	15640	11605					Af/M Eu/NA	08/27/89
DX Corner	2250	Israel	Kol Israel	17630	15640	11605						LA/NA/M Eu	08/27/89
R Sofia Callino	2315	Bulgaria	R Sofia	15330	11660							M Eu	09/24/89
** DAY OF THE WEEK: Monday													
DX Corner	0020	Israel	Kol Israel	15615	12077	11605						NA	08/27/89
R Sofia Calling	0045	Bulgaria	R Sofia	15330	11660							NA	09/24/89
DX Show & Mailbag	0045	USSR	R Kiev	17690	17665	15180	11675	9800	9610			NA	09/24/89
DX Corner	0120	Israel	Kol Israel	15615	12077	11605						NA	08/27/89
DX Corner	0220	Israel	Kol Israel	15615	12077	11605						NA	08/27/89
DX Show & Mailbag	0315	USSR	R Kiev	17690	17665	15180	11675	9800	9610			NA	09/24/89
R Sofia Calling	0445	Bulgaria	R Sofia	15140	11765	11735	11720					Afr/NA	09/24/89
Waveguide	0530	England	BRC	9640	5975							WS: Wk/Cr/Carib	09/23/89
Radio World	0805	Belgium	BRT	21815	11695	6035						SE As/Aus/Eu	09/16/89
Radio World	1005	Belgium	BRT	26050	21810							Afr	09/16/89
Radio World	1335	Belgium	BRT	21815	21810							SE As/NA	09/16/89
SN Club	1615	Hungary	R Budapest	15160	11910	9835	9585	7220	6110			Eu	09/24/89
RBI DX Club	2220	German Dem Rep	R Berlin Int'l	9730								ENA	09/21/89
RBI DX Club	2305	German Dem Rep	R Berlin Int'l	9730	5965							ENA/Eu	09/21/89
DX Program	2345	USSR	R Moscow	11750	9665	9765	9720	7150				ENA	09/24/89

** DAY OF THE WEEK: Tuesday

RBI DX Club	0105	0045	German Des Rep	R Berlin Int'l	11890	6080	ENH	09/21/89					
DX Program	0145	0100	USSR	R Moscow	21470	17840	17700	11750	9865	9720	7290	ENH	09/24/89
RBI DX Club	0220	0200	German Des Rep	R Berlin Int'l	11890	6080	ENH	09/21/89					
SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	NA	09/24/89	
RBI DX Club	0305	0245	German Des Rep	R Berlin Int'l	15125	11890	11785	6080	ENH/WNA	09/21/89			
DX Program	0345	0300	USSR	R Moscow	21470	17840	17700	9865	9720	7290	7165	ENH	09/24/89
RBI DX Club	0420	0400	German Des Rep	R Berlin Int'l	15125	11785	WNA	09/21/89					
DX Program	0445	0400	USSR	R Moscow	17840	17665	17605	15425	15180	12050	WNA	09/24/89	
DX Program	0645	0400	USSR	R Moscow	17840	17665	17605	15425	15180	12050	WNA	09/24/89	
SWL Digest	1135	1130	Canada	R Canada Int'l	17820	11855	9635	Carib/USA	09/23/89				

** DAY OF THE WEEK: Wednesday

SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	NA	09/24/89
Sweden Calling Others	0240	0230	Sweden	R Sweden	11795	9695	NA	09/20/89				

** DAY OF THE WEEK: Thursday

World of Radio	0030	0000	USA	WRND	7355	NA/CA	09/20/89					
SW Club	1615	1615	Hungary	R Budapest	15160	11910	9835	9585	7220	6110	Eu	09/24/89

** DAY OF THE WEEK: Friday

SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	NA	09/24/89
R Sofia Calling	2145	2130	Bulgaria	R Sofia	15330	15290	11720	11660	Eu	09/24/89		

** DAY OF THE WEEK: Saturday

R Sofia Calling	0015	0000	Bulgaria	R Sofia	15330	11660	NA	09/24/89					
SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	NA	09/24/89	
R Sofia Calling	0745	0730	Bulgaria	R Sofia	17825	15160	11765	W Eu	09/24/89				
SW Club	1130	1130	Hungary	R Budapest	15160	11910	9835	9585	7220	6110	Eu	09/24/89	
Radio World	1340	1330	Belgium	BRT	21815	21810	SE As/NA	09/16/89					
Radio World	1640	1630	Belgium	BRT	21810	17580	Afr	09/16/89					
Amateur Radio Spectr	1810	1800	South Africa	Radio RSA	21535	UK/Ireland	09/23/89						
Radio World	1840	1830	Belgium	BRT	11695	5910	Eu	09/16/89					
Communications World	2110	1900	USA	VBA	21485	17800	17785	15600	15580	15445	15410	Africa	09/24/89
DX Radio Tips	2120	2100	Turkey	V of Turkey	9795	Eu	09/24/89						
SWL Digest	2205	2159	Canada	R Canada Int'l	15325	11945	W Eu	09/23/89					
Radio World	2210	2200	Belgium	BRT	9925	5910	NA/Eu	09/16/89					
DX Radio Tips	2320	2300	Turkey	V of Turkey	17760	9795	9665	9445	SE As/Eu/NE/NA	09/24/89			
World of Radio	2330	2100	USA	WRND	13720	NA/CA/Eu	09/20/89						

SPECIAL NORDX89 PROGRAMME VIA RADIO FINLAND

will be broadcast on the 14th of October, 1989,
1100-1200 UTC. The frequency used will be in the 41 (or 49) mb.
No further details known sofar.

To receive a proper QSL verification of Radio Finland, all you have to do is to take part in NORDX89 and report this special transmission. You will find this particular programme with your DX abilities!

On the other hand, those who will not take part in NORDX89 but want to get a proper verification from Radio Finland on SW, such reception reports are also wanted. Reception reports should be sent to the NORDX89 organizer, **Helsinki DX-Listeners Club, P.O. Box 214, SF-00101 Helsinki 10, Finland.** Return postage is required. Correct and sufficient reception reports will be verified with a special QSL-letter.

Friendly regards,

NORDX89

NORTH AMERICAN SHORTWAVE ASSOCIATION

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Levittown, Pennsylvania 19057

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