

FRENDX

World Music Radio
 Transmitted by
 Radio Amora International
 P.O. Box 4078
 Amsterdam Holland



BENELUX DX-CLUB
 1961 1981
 KWS



Radio france internationale



ALAGOAS
 RADIO GAZETA DE ALAGOAS
 JOAS
 GAZETA DE ALAGOAS
 RADIO GAZETA DE ALAGOAS



Bayerischer Rundfunk
 Kurzwelle 6085 kHz



253mw
 6910sw
RADIO DUBLIN
 240 MW
 90.2 FM STEPLEO
 THE VOICE OF THE ISLAND ON SHORT



Radio Berlin International



I'M IN TUNE
 WITH
AUSTRIA
 ON
 SHORT-WAVE



radio sweden international



yo escucho
RSI
 para



NASWA

NORTH AMERICAN SHORT WAVE ASSOCIATION

WILLIAM E. OLIVE

Publisher - NASWA
45 Wildflower Road
Levittown, Pa. 1905

NOTICE, PLEASE

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NO COLLECT CALLS ON THESE ADS, PLEASE

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WANTED: Drake R7A communications receiver in very good or mint condition. Please contact, stating condition and price, Michael Bolitho, 106 Eastbourne Avenue, Toronto, Ontario, Canada M5P 2G3. Phone (416) 483-8992 until 0300 UTC.

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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, 1988

If, like me, you're still waiting for a QSL from Syria, your jaw would have dropped too when fellow DX'er John Tow (which, by the way, is pronounced like "wow", not "low") flipped a pile of not one, not two, not even three, but *eight Radio Damascus QSL's* on the table at a recent get-together! John went through the same drought from Syria that many of us have suffered/are suffering, and then got this load in the mail all at once. Must be that their v/s (Ali Shirabati) got writer's cramp handling your reports before getting to the rest of ours, hi! Was great meeting you and Kevin Atkins, keep that DX banner flying down Alabama way, OK?

The 1989 Passport to World Band Radio arrived this week, and it's a worthwhile addition to your shack. In addition to comprehensive listings by frequency covering 2260 to 25730 kHz, there is a great article by Don Moore describing Cutervo, Peru; Gerry Dexter's piece on the upcoming sunspot cycle peak; a futuristic look at shortwave radio in the 21st century; receiver reviews, a schedule of broadcasts in English, and many, many other features that add up to hours of enjoyable reading and a very handy reference to keep by your radio. Warning: the listings by frequency pack in so much information that the temptation to "list log" is enormous! Although this is a top-notch compendium of data, the SWBC scene changes daily! Be sure you get that ID. Use the PV/BR and other lists as guides, not the final word.

A major component of our enjoyment of DX'ing is at least some understanding of the history, geography and culture of the region which we are hearing. Who can hear the BBC News without picturing the Houses of Parliament and Big Ben? Who can hear *huaynos* from the Andes without picturing the Incas, tin mines and Lake Titicaca? Who can tune 15170 on a winter evening and...!

It's probably because most of East and Central Asia has been closed to us for almost a century (wars, famines, Great Leaps, etc.), that we really don't know much at all about THE ORIENT. Our DX'er's "window on the world" just doesn't work well there. A very good way to fill that window is to take a ride on the real Orient Express...THE GREAT SILK ROAD.

We recently received the following letter postmarked Fergana, Tadzikaja SSR:

DXing The Real Orient Express--THE GREAT SILK ROAD

PART I

by John H. Bryant, A.I.A.

Dear Aunt Mabel and Uncle Rowland,

I know that you think that I'm nuts about this trip down THE GREAT SILK ROAD, but I promised to write regularly, so here goes. I'm including a short piece on THE ROAD that I'm doing for The Daily Star, copies of part of my travel journal and some radio notes for Uncle Rowland and...

You are familiar enough with the western reaches of the Great Silk Road; Ephesus, Palmyra and Acre are no more, and Byzantium is now called Istanbul. However, Damascus, Baghdad, Tabriz and Teheran are still here, though few know the role that they played as caravansaries on the ancient Road.

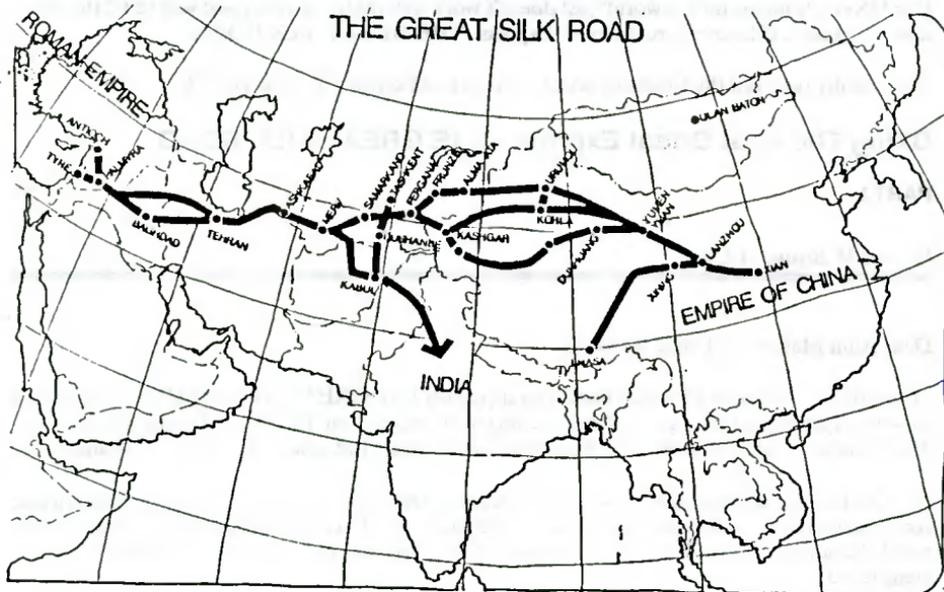
From Teheran east, we took Iranian jeep/busses and followed the old Road over the Alborz Mountains at the base of the Caspian Sea. We then followed the Road east up the valleys of the Gorgan and Atrak rivers and across the low hills marking the modern border between the Turkmen SSR and Iran. Crossing the border was no fun; eighteen year olds with machine pistols always make me nervous! We turned east again, staying on the northern edge of the mountain range. North of us was one of the largest deserts of the world, the Kara Kum. It was a fifteen hour run from the border and it was awful!!! The jeep overheated four times and one of the guys got the desert form of snow blindness from the glare. Eventually, both we and the jeep limped into the ancient and fabled city of Ashkhabad, the capital of the Turkmen SSR.

Except for the downtown area, we were in an ancient Middle Eastern city! Some of the finest "Persian" rugs and "Arabian" horses come from the old caravan city of Ashkhabad. Like the other capitals of the southern republics of the USSR, Ashkhabad has both local and international shortwave broadcast responsibilities. The local state radio (4825 and 4895) seems not to verify. Radio Moscow World Service may be broadcast from Ashkhabad to Australia/SEA on 17740 and is a QSL target.

In the days of the Silk Road, we would have now begun an almost year long 2500 mile journey by camel and foot through the most inhospitable lands on the planet before again reaching full blown civilization in Lanzhou, China. Today, the entire trek can be made by a combination of rail and highway along the exact route of the Great Silk Road...we hope...we hope!!!

From Ashkhabad, it was a 200 mile, 10 hour journey into the depths of the Kara Kum Desert to the ancient major caravan rest stop of Merv (now known as Mary) on the Murgab River. From the flesh pots of Merv, we could have turned south along the route of Alexander the Great through Balkh, Kabul and the Khyber Pass to India. Instead, we stayed on the Great Road and we continued east from the Merv oasis across another 300 miles of deep desert to the fabled cities of Bokhara, Kagan and Samarkand.

Samarkand, Maracanda in Alexander's time, was totally destroyed by Genghis Khan. His Hoarde killed every living soul and piled the heads into a replica of the Great Pyramids of Egypt!!! Genghis was no wimp! Samarkand eventually recovered, became Tamerlane's capital in the 1400's, and was the first capital of Soviet Uzbekistan. As such, it may have had SWBC activity before and during WWII. However, the modern industrial city of Tashkent 200 miles further down the



In addition to the travel notes, John sent us a copy of a piece he wrote for *The Daily Star* about the history of THE GREAT SILK ROAD. It's presented here in its entirety.

THE GREAT SILK ROAD

by *John H. Bryant*

Most of us picture the pre-Renaissance world as one of very little trade or long distance travel. That was largely true until 200 BCE, when one incident changed the course of history:

On a summer day in the year 53 BCE, the Roman Proconsul Crassus and seven legions crossed the Euphrates in pursuit of a force from the Parthian Empire. When the Romans reached the far bank, the enemy turned, surrounded them, and eventually inflicted one of the most disastrous defeats in the history of Rome. Crassus, his son, and twenty thousand of the soldiers died. As the Parthians moved in for the kill they unfurled majestic battle standards, such as the Romans had never seen before--brilliantly dyed and made of a material unimaginably sumptuous....SILK! The banners lingered in the Roman memory; it was the fascination of that astonishing fabric, first glimpsed by Romans upon the battlefield of Carrhae, that brought the world's first inter-continental trade route to life and established a connection between Rome and China.

In the third century CE, a pound of silk fetched twelve ounces of gold!

When at last the first consignments of silk reached the Romans out of Asia, its sensual iridescence intoxicated them, and its fabulous cost gave it a snobbish allure; at one time it was literally worth its weight in Roman gold: in the third century CE, a pound of silk fetched twelve ounces of gold! Through the climax and decline of Imperial Rome, in Rome itself and in Byzantium, silk retained its glamour; voluptuous patricians wallowed in it; degenerate youths flaunted it; and even Cleopatra felt that her beauty was enhanced by it.

For the next 1000 years, through all the vicissitudes of the western world, the lust for

Chinese silk grew. Through all the centuries, caravans laboring across the center of Asia remained the link between East and West.

Every caravan master must have known, if only by the grapevine, the landmarks of the route: the Jade Gate (Yumen Yuan), where China proper ended and the world of the barbarians began; the Caves of the Thousand Buddhas at Dunhuang, a labyrinth of sacred grottoes each with its tall stone figure of the Enlightened One; the fearful sand desert before Lop Nor, where inimical spirits with drums and weird music lured susceptible travelers away from the caravan; the mysterious Stone Tower halfway along the route, the frozen lakes high in the Pamirs; the steppes of the Kara Kum; the great cities of Samarkand, Bukhara and Merv; and then the golden way through Persia, Palmyra's pillars in the desert, the aromatic gardens of Lebanon, the marts of the Jews and the Syrians, and the swift Greek ships at their wharves, waiting to speed the silk to Byzantium, Alexandria, or Rome itself.

The West had learned to make silk by the 4th Century CE. However, it still travelled along the Great Road, for the demand was so great that the silk factories in Byzantium could not satisfy it. But the contact grew feebler, the trade less each year, and in the 8th Century the Moslems, bursting out of their native Arabia, took Persia and blocked the route. In another century it was almost abandoned, China turned inward, Central Asia was ravaged by warring barbarians, and the outposts of the Christian world were the Crusader castles of Palestine.

The Great Road saw prominence once more--it was a perfect invasion route for the Mongol hordes of the Great Khans, Genghis and Kublai. After conquering north China in 1210 CE, Genghis sent his incomparable cavalry down the old Great Road, burning, pillaging and killing 90% of the populations which they encountered. The Hoarde split at Dushanbe, with one group heading south through Kabul and the Khyber to India, to establish the great Moghul Dynasty of India (and eventually the modern state of Pakistan). The remainder of the Hoarde moved through Ephesus and Byzantium to occupy the suburbs of Vienna.

We think the Road is gone now, but it is with us still. Get a good atlas and see where the roads run in Central Asia. Find the railroads. Watch the retreat routes of the Russian army leaving Afghanistan. They, and we, are all still travelling The Great Silk Road.

northern route of the Silk Road is now the capitol of Uzbekistan and is well represented on shortwave.

After an overnight respite in Timur-The-Lame's capital, we remounted the weary jeeps and continued east; almost immediately we were surrounded by very rugged, very high mountains--the Pamirs. A little further south, they call these things The Hindu Kush (Death of the Hindus). South of that, they call them the Himalayas!!! We knew then that for the next 1500 miles we would alternately freeze and burn on the worst deserts of the world. Ail the while, beautiful, remote and deadly snow-capped mountains will loom beside us. *Dexter, is a verie DIRECT from Urumqi realy worth all of this???*

One hundred miles east of Samarkand, we crossed the Tashkent-Dushanbe-Kabul Road... the retreat route of the Russian Army. Here we could have turned north with the troops and taken the most northerly branch of the Silk Road through modern Tashkent and the ancient caravan cities of Frunze and Alma Ata, both well represented on shortwave. That branch of the Road rejoins the main track across the modern border in China at Urumqi.

However, we chose the safer and warmer (!) southern route and continued east up a very narrow almost secret Shangri-La valley to the ancient city of Fergana. In the depths of the valley, the sides were so steep that all radio reception was cut off! There was evidence of avalanches and mudslides everywhere in the gorge!!! Our fellow travellers reassured us that everything was "OK" but we could not help but remember that this RIGHT HERE is the end of "The West" and it was RIGHT HERE where the greatest traveller of the ancient world, Alexander, just plain quit! He decided that the Khyber Pass was easier than what lies immediately ahead of us!!!

I'll write you next from China, I hope!

My notes for Uncle Rowland:

KABUL, AFGHANISTAN: Relayed by many USSR xmitters, incl 3965, 4740, and 4450. 4450 reported moved to 4760..unsure if permanent. To hear Kabul directly, try widely variable 7196 kHz. Logged in NAm var. to around 7199 at around 1200 UTC. This is Home Service freq. Extern Svc in EG is sked from Kabul 6085 xmr 0900-1030 UTC. Rarely reported in NAm.

TASHKENT: Extern Svc (R. Tashkent) report. recently in EG at 1200 UTC on 9715 kHz. Un-
sure accuracy of Tashkent WRTH sked. Tash freq's changed often. Home Svc recently reported on 4850 at *2258 (hrd in Australia) VERY TOUGH freq/time for NAM! WRTH sked for Home Svc sez 0000-1903 on 5925, but be careful of co-channel Tallinn here!

DUSHANBE: Extern Svc (R. Dushanbe) in Dari from 0200-0300, 1230-1300, 1400-1500, 1700-1730 on 4975 kHz. In Farsi from 1530-1600, 1730-1800 on 4975. Easier from NAm is Home Svc (Tadzik Radio) on 4635 at *0000 and sked 2000* Try graylining. [Ed. note: most of the sources I've checked differ widely on the exact schedule and languages in use here, so the ID is even more essential than usual! The new PWBR says 4635 runs *0000-1800*]

* * *

John H. Bryant is a native of Oklahoma, and when he's not chasing Indos on the NRD-525 or dust devils across the Kara Kum, he keeps busy as a full Professor and former Head of the School of Architecture at Oklahoma State University. John is widely known as an expert on the traditional architecture of East and Southeast Asia. In the mid-1970's he and his family spent a year in Japan where he was a Senior Fulbright Research Scholar. He has traveled extensively in China, both as a member of official US delegations and as a lecturer at a number of Chinese universities. He is the Editor of Special Publications for Fine Tuning and has recently shepherded the massive and highly recommended "Fine Tuning's Proceedings 1988" document into being.

Next month we push on to Urumqi!



Easy Listening

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

The material for this month's column has been submitted by Tom Laskowski. Because of the scope of coverage, it will appear in two parts.

DX Programs: A Review

For those DX'ers wishing to increase their country totals and fatten their logbooks, FRENEX is an excellent source of DX news. However, a month between bulletins seems like a long time to wait. An alternate source of timely tips and up to the date DX news is the DX Program. Tom Sundstrom's excellent English Language SW Broadcast column lists the times and frequencies you need to hear them. A few of these programs are an excellent source of up to date, accurate tips. On the other hand, many of them offer little if anything in the way of useful information for the DXer. I have been listening to as many of these programs as possible over the past few months and have compiled this DX program review which is based upon the following criteria where applicable: 1. Timeliness of the DX tips, old news is often of little value. 2. Accuracy of the DX news eg: correct frequencies, station names, etc. 3. The usefulness of the news to the DX'er. To be as fair as possible, I have made an attempt to listen to at least 5 consecutive airings of each program in order to get a complete picture of what the program offers. I have devised the following rating system to provide an overall evaluation of the program.

- A: Excellent, don't miss this one.
- B: Good, quite useful to all DXers.
- C: Fair, not that big a deal if you miss a week.
- D: Poor, nothing useful here.
- F: Awful, hope for QRM.

On to the programs: (in no particular order)

Swiss Radio Intl., Swiss SW Merry Go-Round

This program contains no DX news but is an excellent source of technical information about all topics of SW. The hosts are "the Two Bobs" who answer technical questions from listeners on everything from Antenna to Zanzibar. For the beginners who don't know where to find out about various aspects of SW, and the veteran DX'ers who think they know it all, this program should be on your listening agenda. **Rating: B**

Spanish Foreign Radio, DX Program

A somewhat weak program which contains news about various topics such as mobile telephones or World Telecommunications Day to name a few. This program also provides DX tips, gleaned from various European DX club bulletins, which are rather common and somewhat old by the time they reach the air. Give it a listen for yourself, but don't be surprised if you get bored quickly. **Rating: C**

Radio Berlin International, RBI DX Club

In the five programs heard, there was no DX news. Some of the topics heard were somewhat interesting, such as the ones on images, propagation beacons, QRN, or sporadic E. You need a good signal on this one in order to be able to clearly understand the presenter. But most of the time this one is hard to follow. There really isn't that much here to keep one's interest. Rating: D

Radio Japan, DX Corner

This is really a nice little program which places emphasis mostly on shortwave. It consists of essays on broadcasting in various parts of the world such as the USA, Costa Rica, or Peru just to name a few. Larry Magne has begun to provide some input on receiver reviews and the rest of the program looks at such topics as DX news (as heard by Japanese DXers) or reception reports, letters, etc. This would be a good program for the beginner. Rating: B minus

Radio Sweden, Sweden Calling DXers

I gave up on this program a few years back because it was difficult to hear and a majority of the program dealt with satellites and computers. Recent editions of this program seem to be devoting more time to DX news with much less emphasis on satellite communications. The DX news is presented by region and is of fairly good quality. However, some of the tips seem to be rather old, but usually not more than a month. There is still some satellite and TV news but most of this program is devoted to shortwave DXing. Overall this program is OK. Rating: C

HCIB, DX Party Line

This one is rather simple and might be a good one for the beginner. About the only interesting part of DXPL is at the beginning. That is the station profile which takes a look at a particular country and its broadcasting activity. Most station profile info. comes from the WRTH but they usually have a recording of a particular station's interval signal which can be a very useful thing to aid in IDing a station. This program's DX news is usually presented in a recorded segment by a DX club and is mostly common stuff or very inaccurate and out of date news. The rest of the program is made up of little bits of news about clubs, antennae, receivers, or station schedules and of course religion. If you're after the rare ones, don't waste your time here. Rating: C

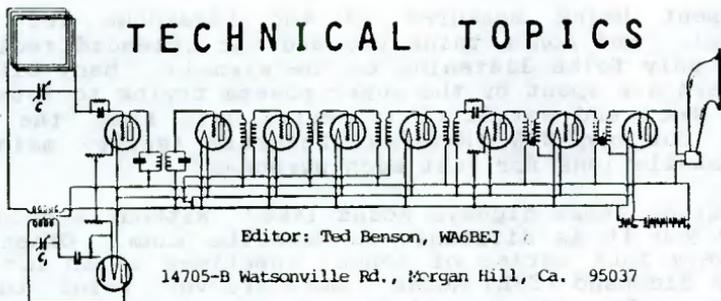
BBC, Waveguide

You won't hear any DX news here other than changes to the BBC's schedule. The brief description about this program in London Calling is "How to hear us better." It's a good way to keep up with changes in transmitter sites used by the BBC. It also consists of short segments covering receiver reviews, book reviews, or antenna topics. Not bad for only being 8 minutes long. Rating: C

R. Austria Intl, Austrian SW Panorama

Most of this program is made up of either news about changes to Austria's schedule, or about stations in Europe. A majority of the program's content is taken directly from Glenn Hauser's World of Radio programs which were aired about a month earlier. Unfortunately, I've noticed that the WOR segments are often edited so that the original contributor is not given any credit. I'm sure Glenn has nothing to do with this and I would hope that the program presenter would correct this situation. If it weren't for the WOR segments, this program would be a good cure for insomnia. Rating: C

TECHNICAL TOPICS



The other night I was tuning across the upper portion of the H.F. bands, trying in vain to escape my neighbor's broadband transmitting station (an arc-welding setup), while at the same time trying to find someone other than the VOA or Radio Moscow to listen to. My attention was drawn to a station broadcasting a rather pleasant-sounding progression of musical notes. After listening for a while it became obvious that the entire range of notes being played was even more limited than a medieval Gregorian Chant. Nor did the notes appear to follow any pattern. So much for a national anthem or frequency marker, I thought. Then it hit me: I was hearing one of many enigmatic sounds available on the shortwaves - the so-called piccolo broadcasts! Why not do a column on all the beeps, whistles, and other seemingly meaningless signals so often heard on the air, I thought.

TELEMETRY

Many of the signals heard these days are not intentionally designed to prevent interpretation or interception by we, the SWL's of the world. Rather, they are specifically encoded to efficiently transmit information on such varied conditions as weather, fluid levels, remote equipment condition, and even the location of wild animal populations. These are the telemetry signals. They can appear for very brief moments at frequent intervals, or stay on the air for long periods while appearing to repeat endlessly. Most of these signals are digitally-encoded analog information. They are usually sent automatically from remote, untended sites. At the receiving end they are decoded and either analyzed by computer or perhaps simply used to sound an abnormal condition alarm. Some rather sophisticated systems are currently in use to automatically track and plot the positions of endangered species of animals as they migrate. Whales and Pandas alike are frequently the source of these signals. NOAA, the National Oceanographic and Atmospheric Administration of the United States uses remote telemetry transmitters to gather information about snow levels, tides, rainfall, and even smog levels. Tremendous man-hours are saved by using these remote stations, not to mention the occasions when the

environment being measured is too hazardous for human personnel. And don't think you and the intended recipient are the only folks listening to the signals. Many billions of dollars are spent by the super powers trying to intercept missile test and satellite telemetry data from "the other side." Our own NSA (National Security Agency) maintains huge installations for just such purposes.

What do these signals sound like? Without a recording to play you it is difficult to describe them. Often they are a very fast series of tones, sometimes in AM but more often on Sideband (SSB) modes. Most are very brief, but can re-occur at frequent intervals. In a network of telemetry stations separate identities of stations are primarily maintained in one of two ways: by preamble identification, in which each station begins a transmission with an identifying code, or by utilizing separate frequencies for each station. For obvious reasons the former method is more popular. Sometimes the pattern of sounds will repeat several times in a transmission, to assure the owner that the information is received in spite of fading, etc.

PICTURES AND PRINT

Another very common source of odd sounds are radioteletype ("RTTY") and facsimile ("FAX") transmissions, which I call the "Pictures and Print" stations. These are primarily news and press services, though large corporations and perhaps even banks send this information as well. In radioteletype a series of two alternating tones are decoded to print text, much like an wireless typewriter. The sound made on the air is nothing like the sound the printer makes - the "chunk chunk chunk" heard at the opening of news shows on T.V.. In fact, the bulky mechanical printer is quickly being replaced by electronic versions. Rather, the sound you will hear is a quick alternation of two tones in a sort of "deedle-deedle" pattern. If you tune these signals in SSB mode, one will appear at 2100 Hertz, the other usually higher. Most modern stations now use totally electronic means to send and receive RTTY signals, frequently multiplexing many signals on one carrier. When this happens you hear what resembles bagpipe music through waterlogged ears.

Another signal in this category is the facsimile broadcast. In "Fax" transmissions pictures or whole pages of printed information are scanned, converted to digital form, and transmitted for reception and decoding some distance away. Fax can be thought of as wireless photocopying. Since documents are scanned and encoded one line at a time (like a television picture) the characteristic sound is that of a slowly repeating burst of "hash." Fortunately for the SWL, many inexpensive units are available which allow us to decode and display on a home

computer many of the RTTY and FAX signals on the air. The exceptions are multiplexed signals, and those intentionally encrypted to prevent scrutiny by outsiders. And given the current state of world affairs, I'm not sure I want to be privy to those, anyway...

FOR YOUR EYES ONLY

Truth is more often stranger than fiction, and in the case of spy transmissions this is certainly the case. Among the most curious spy transmissions ever heard on shortwave (other than "numbers stations," which I won't cover here) are the so-called piccolo signals. These are aptly named because they sound like a piccolo rapidly playing a random, if not limited, series of notes. It is, in fact, an encoded transmission utilizing an "alphabet" of several tones. This systems, among others, has been used by Great Britain for decades.

JAMMING

Alas, not every signal on shortwave is intended to send information to anyone, but rather to prevent someone from receiving a message. These are the so-called jammers. Communist-Block countries excel at this endeavor, frequency budgeting as much for jamming as for regular broadcasting. Favorite targets include Voice of America, Radio Liberty, KOL-Israel, and anti-Castro Miami broadcast band stations. In a recent quasi-Glasnost move by the Soviet Union, jamming of VOA was halted. This turned-out to be a hollow gesture, however, since the USSR then promptly retuned their facilities to jam Radio Liberty and Radio Free Europe. Seems they just didn't have enough jamming equipment to go around...

What does jamming sound like? Believe it or not, there are almost as many ways of jamming as there are jammers! One simple method, favored by Cuba, for example, is to simply transmit a powerful propoganda broadcast right on top of someone else's frequency. The hope is that the listener will either listen to your signal instead of the target's, or simply give up listening altogether. An amusing version of this occurred during WWII, when the Nazis broadcast "Lord Ha-Ha." This most argumentative and opinionated gent would show up on the same frequency as the BBC, appearing to carry-on a running dialog with the BBC commentator. What caused Lord Ha-Ha to fail is that he simply wasn't very funny...

Other types of jamming are simply raucous noises designed to chase away the listening audience. Bagpipe jamming sounds like Edward, the Duke of Wales, after having had one too many. Other versions are repetitious tones, and even white noise (the sound your TV makes when a stations goes off-the-air and the set's still turned-on).

WOODY, THE WOODPECKER

One frequently heard signal, often mistaken for jamming (but which might as well be) is the "Woodpecker." Originally called the *Russian Woodpecker*, in all fairness this is not exclusively the case any longer. Your friend and mine, Uncle Sam, does it too. This is *Over the Horizon, Backscatter Radar*, a type of early-warning system. By means not fully explained to the public, OTHBR enables operators to obtain useable radar pictures near or even below the horizon, giving a clear edge to defense. Unfortunately, OTHB radar signals are very broadband (like my neighbor's welding outfit) and tend to show up at awkward moments in all parts of the shortwave band (I have heard them all the way down into the VLF band). Characterized by rapid, loud, and repetitive popping noises - hence the name, woodpecker - these transmissions all but obliterate signals beneath them. Their only saving grace is that they do not appear to linger long on any one frequency.

LETTER BEACONS

These are perhaps the most mysterious signals to appear in recent history on the shortwave bands. Although many think they are just another type of telemetry beacon, in the absence of proof I will deal with them as a separate entity.

Letter beacons appear on many shortwave frequencies, and once they appear they seem to stay on the same frequency. Many have supposedly been tracked to the interior of the Soviet Union, some even going so far as to say that they are all near secret military installations (a redundant expression when it comes to the USSR). Whatever the case, they all appear as a slow morse code rendition of a single letter, sent over and over again. With many of these beacons, the speed at which they are sent, or the duration of time between letters, seems to change over time, giving credence to the belief that they are telemetry of some sort.

With advances in computer technology new and mysterious signals are certain to appear with time. As with most, no explanation will be given by those who initiate them. Indeed, they would rather not publicize them, since they would just as soon not have anyone else listen to them. But for every mystery there will be those who take the initiative and try to solve them. Happy hunting...

73's,

NASWA Awards Program:

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

Well, kap's kat is still in the ceiling, at it's time to prepare the October 1988 NASWA Awards page, so we'll leave him up there for a bit longer. The following folks recently earned NASWA Awards:

Roland ARCHER, Raleigh, NC: Tropical Band DXer; Master Papua New Guinea DXer; Soviet Sphere DXer

Richard ARLAND, Shavertown, PA: Ecclesiastic DXer; World Wide DXer; European Continental DXer

Marlin FIELD, Hillsdale, MI: Senior Ecclesiastic DXer, 86 station endorsement

John M. FISHER, Chelmsford, MA: Antarctic DXer

Sheryl PASZKIEWICZ, Manitowoc, WI: Senior DX Centurian, 170 country endorsement

John SGRULETTA, Mahopac, NY: Antarctic DXer

Gayle VAN HORNE, Orange Park, FL: Papua New Guinea DXer, Antarctic DXer

Robert WEISS, Fairfax, VA: DX Centurian

Kent WILLIS, Louisville, KY: African Continental DXer; Master British Commonwealth DXer; Antarctic DXer

*** kap's komments ***

We now have some evidence that mail to Radio Pyongyang is being received there, but their replies are not getting through to the U. S. Do we have a European member who would like to volunteer to serve as forwarder to R P reports and QSLs? All expenses will be, of course, borne by the person requesting the service.

Did you know that you may report more than one frequency at a time on a Radio Moscow report form? That Radio Beijing will promptly QSL most Chinese Regional stations with f/d cards including the station name? That Radio Netherlands via Bonaire counts as Netherlands Antilles and not Holland? And, back to Radio Moscow, always request a site on each and every report.

Our new Kenwood R-5000 arrived recently and we are quite pleased with it. While our R-2000 served us well for 5 1/2 years, we find the R-5000 to be a vastly superior piece of equipment. Our thanks to Fred Osterman at Universal for his usual fine and prompt service. With the once Dead Sox now leading the A. L. East we've spent most recent evenings in front on the "one eyed monster" rather than in the shack. And, for whatever reason, this old beaten and battered body just doesn't care to get up at 4 AM to DX, though it's pretty hard to hear Papuans at 6 PM local.

A tip of kap's kap to the Hams who did such a superb job handling emergency communications during Hurricane Gilbert's devastation. And a pox on those lunatics that chose to spend their time deliberately QRMing the emergency frequencies. Hopefully the FCC nails a few and makes an example of them.

We are finally, thanks to the super efforts of our Awards Producer, John Herklimer, out of the back order situation on the Ecclesiastic and Asian DXer Awards. Thanks for your fine efforts, Herk.

Oh, by the way, we do not consider the Carribean Beacon on 1610 kHz as SWBC, it rightfully belongs in the Medium Wave category. And, unless evidence to the contrary is received, the Fiji station on 9070 kHz is a UTE and thus ineligible for NASWA Awards.

Well, I really do have to get kap's kat out of the ceiling. It's a long story on how he got up there and even a longer one on how I plan to get him down. I'm sure that Dr. DX, in his infinite wisdom, would have a solution immediately. Probably something like using an UZI on him.

Till next month

BSZ,  9/14/88

A Review Of Fine Tuning's PROCEEDING's 1988

By

Richard A. D'Angelo

It finally happened! Someone published a major reference work dedicated to the shortwave broadcast DXer. John Bryant and the fine tuning crew put together a masterful, top notch publication designed for the senior DXer. Bryant points out in the Introduction that PROCEEDING'S is not an entry level primer of the SWBC hobby since many books and publications already exist to serve that market. By design, PROCEEDING'S is intended to interest the senior DXer with the long-term commitment to the hobby. However, I believe this work will interest many veteran SWL's, aspiring DXers, antenna and receiver junkies, and those with a general interest in shortwave broadcast DX.

PROCEEDINGS consists of six main sections featuring articles about Propagation, Antennas, Receivers, Peripheral Equipment, Computers and Features. Many of North America's top DXers participated in writing articles including Dave Clark, Chuck Bolland, Dan Sheedy, Mitch Sams, Kirk Allen, John Tow, Chuck Rippel, Jerry Berg and Harold Cones. In addition, Jack Bata, Provincial Station Manager of Radio Southern Highlands in Meridi, Papua New Guinea, provided information for a Feature on his station for PROCEEDINGS.

Perhaps the best way of reviewing PROCEEDINGS is to look at each of its major sections individually.

Propagation (11 pages)

Senior Editor Bryant provides the only article in this very neglected subject area among SWBC DXers. The eleven page "Terminator Mechanics and Trans-Polar Blanking" is must reading. All DXers can profit from reading this article. Hopefully, future issues of PROCEEDINGS will provide follow up material and address other propagation features of SWBC DXing.

Antennas (32 pages)

This section provides three separate articles addressing shortwave ferrite rod antennas, impedance matching of beverage antennas and the Delta Loop antenna. Dave Clark's article on the Delta Loop is particularly useful to DXers seeking improvements in their tropical band DXing. This alternative to the traditional random wire can be erected in a space where a half-wave dipole cannot be built. Clark unravels the mystery's behind this gem of an antenna which, surprisingly, is quite unfamiliar to the SWBC DXer.

Receivers (47 pages)

Receiver gourmets take heart, PROCEEDINGS offers a wide variety of subject matter that should please your tastes. PROCEEDINGS covers some of the more legendary pieces of equipment such as Hammarlund's HQ-150 and HQ-180A, the Collins R390A, as well as some recent high-class gear such as the Drake R7, and Japan Radios NRD-515 and NRD-525 communication receivers. DXers that love reading, writing and talking communications receiver lingo will find this section a special treat.

Peripheral Equipment (44 pages)

If you are into toys, gimmicks, gadgets and gismos the Peripheral Equipment section is for you. Antenna tuners, pre-amplifiers, portable cassette tape recorders, audio filtering devices and other goodies are covered in detail. Warring come prepared for some good technical writing. Perhaps you will find that instead of a new receiver a gadget from this section will meet your needs.

***** 1 *****

Computers (22 pages)

The 1980's have brought personal computers to SWBC DXing. Except for certain uses, computers seemed to have little value to the dedicated DXer. This section provides two articles that marries two separate hobbies.

The first article by Mitch Sams covers two software packages known as MINIPROP2 and Low Band DXing. These programs, combined with a good fundamental knowledge of propagation, can be of great assistance to the DXer in making accurate predictions on the probability of reception conditions. The second article by QSL expert Jerry Berg addresses the use of personal computers in writing reception reports. Finally, a DXer, not a PC fanatic, writes a simple "this is how it is done" article for other DXers that put SWBC DXing before (and I mean WAY before) computing. This section is must reading as SWBC DXing relies more and more on computer support.

Features (56 pages)

PROCEEDINGS presents four feature articles with Harold Cones, Chuck Rippel and John Bryant providing a masterpiece on "DXing New Guinea". In addition, there is an excellent update on ANARCs Committee for the Preservation of QSL's written by its chairman Jerry Berg. Also, Bryant supplies an extensive bibliography of medium wave DX publications that are relevant to the SWBC DX hobby and Jack Bata provides the previously mentioned Radio Southern Highlands feature.

The DXing New Guinea article is some 29 pages and includes many interesting illustrations, maps, sunrise/sunset charts, station information and QSL information for this seasons "in" DX target. Included in this article is a "stop the presses" update on the 5 September 1988 frequency changes made by the National Broadcasting Commission in Papua New Guinea.

Is PROCEEDINGS Worth The Money?

You bet it is!!!! Never before have SWBC DXers had so much relevant, useful information in one publication dedicated to the DXer. Each article was reviewed by an editorial review panel that made suggestions for revisions and improvement, thereby ensuring a very high quality standard for PROCEEDINGS. This book lives up to its billing of being written by senior DXers for senior DXers.

PROCEEDINGS is over 200 pages of good DX reading and can be ordered from:
fine tuning/Special Publications
c/o John H. Bryant
RRT #5, Box 14
Stillwater, OK 74074 USA

The cost is US\$15.00 plus US\$2.00 postal costs in North America. Outside North America surface book rate postage is US\$3.00 and small packet airmail is US\$15.00.

Enjoy.

3 AM filters for the Kenwood R-5000

By Timothy R. Hickman

As a shortwave hobbyist, who likes to do both DXing as well as shortwave listening, I have been torn between wanting to use a sharper 4KHz selectivity filter for better DXing and wanting to keep a 6KHz filter for superior audio frequency response. In fact, I installed and uninstalled a 4KHz filter in a Kenwood R-2000. That receiver like many receivers, unfortunately, provides for only 2 selectivity settings.

My new Kenwood R-5000 provides for up to 4 selectivity filters. While it is easy to replace its screwed-down 6KHz filter with a 4KHz screwed-down filter it is not as simple a task to keep the 6KHz filter in the receiver while adding a 4KHz filter.

The R-5000 uses a 6KHz filter on a small circuit board that pushes on two sets of pins and is held down with two screws. A very sloppy filter is provided with the R-5000 but Kenwood offers a sharp replacement 6KHz filter, the YK-88A1, for \$69.

Kenwood provides for 3 locations on the receiver's IF board for additional soldered in filters. The first location is provided with a 2.7 KHz filter the YK-88SW. The other locations are empty.

It would seem easy to install a 4KHz filter - just drop it in one of the two empty filter location. This will not work! Why? Because the R-5000 cascades its filters.

Filters are wired serially so that a signal goes through the receiver's wider filters first, providing enhanced selectivity. Therefore a 4KHz filter must be put between the 6KHz and 2.7KHz filters. This means the 2.7KHz filter must be desoldered from its present location with out damage so that it can be reinstalled in the M1 location.

Desoldering the filter is the scariest part of this project. If you do not feel comfortable with a soldering iron in your hand then this is certainly a job to get help with.

The IF board is on the top side of the receiver. After removing the 7 screws that hold it down, the board can be rotated up with out removing the various cables going to it.

I was able to remove the solder from the filter's in and out pins with a Desoldering (sucking) tool. However the ground pins and tabs on the side of the filter are such good heat sinks that they did not desolder completely. I was able to "rock" the filter out by pulling lightly on it while I touched the still soldered pins repeatedly.

After I managed to wrestle the filter out I reinserted it down one position in the M1 location and moved the jumper wire from the no pin to the yes pin. It was easy to install and it appears not to be damaged by the heat.

As far as the 4KHz filter is currently there is good news and bad news. The good news is that there is a 8 pole 4KHz filter available from both Universal Shortwave Radio and International Radio. The bad news is that this filter is a bit large and its pins do not match the holes in the receiver's IF board.

Following instructions provided by International Radio I bent a piece of bare wire into a "U" shape. It is in fact about the size and shape of a staple from a staple gun. I formed the wire so it would fit the two middle holes in the circuit board that the tabs of the just removed filter were in.

This "U" shaped then must be soldered to the bottom of the filter slightly off center so that the filter fits on the M2 filter space on the radio's IF board. The metal case on the filter is a good heat sink. A heavy duty soldering gun is needed to flow the solder on the bottom of the filter.

The last thing done to the new filter is to solder a short wire (approx. 1") to the input and output pins of the filter. They are the two legs of the filter that have a little ring of insulation around them as they go through the case.

All four legs of the filter should not be cut. They work well to stand the filter off the radio's IF board.

The filter can now be installed in the receiver's IF board. The two wires just installed on the filter should be pushed through the two outside holes on the area from which the 2.7 KHz filter was removed. Push the the ends of the "U" shaped bracket through the holes left from the tabs of the filter. Solder ends of the "U" bracket and the ends of the two wires from the new filter to the back of the IF board.

The filter is now installed so close up the receiver and give it a try. The "W" setting on the Selectivity switch uses the 6KHz filter. The "M2" setting uses the 4KHz filter and the "M1" and "N" settings will use the 2.7KHz. The "AUTO" setting will choose the 6KHz filter for the AM mode but will use the 4KHz filter for the USB and LSB modes. If you want the 2.7KHz filter for USB and LSB modes the selectivity switch must be turned to "M1" mode.

Don't expect miracles with a 4MHz filter but you will notice a difference. The 4MHz setting will often reduce noise and some QRM interference from adjacent stations almost as effectively as the 2.7 MHz filter without the voice distortion that often comes with the narrow filter.

Both screw-in replacement and solder-in additional 4MHz filters for the R-5000 are available from:

Universal Shortwave Radio
1280 Aida Drive
Reynoldsburg, Ohio 43068
(614) 866-4267

International Radio and Computers Inc.
747 South Macedo Blvd.
Port St. Lucie, FL 34983
(305) 879-6868

=====

DR. DX DOESN'T GO ANYWHERE BUT GETS A LETTER FROM HIS PAL
MR. COMPUTER INSTEAD

=====

Dr. DX is sure excited because the mailman brought Dr. DX a letter from his pal Mr. Computer. Dr. DX could not go to the 1988 ANARC Convention in California this year, but Dr. DX's pal Mr. Computer did go and wrote Dr. DX and told him all about it. It sounded to Dr. DX like Mr. Computer had a Dr. DX trip even though Mr. Computer went on an airplane rather than on AMTRAK. It also sounded to Dr. DX like the airplane people have hired some AMTRAK people to help them out. Since Dr. DX doesn't get mail very often (except from prize notification centers), Dr. DX would like to share his letter from Mr. Computer with you.

Mr. Computer

2021 Microprocessor Way

Van Clip, N.J. 0872



July 21, 1988

Dear Dr. DX,

I read with great interest, but didn't follow your sage advice given in "Dr. DX Doesn't Go To The 1988 ANARC Convention". You see, I had promised Mrs. Computer and our three little calculators that they could visit the Mecca of Mousedom in California. The first thing that happened was that I plunked out the price of an NRD-525 for plane fare. Then Mrs. Computer and the three little calculators went on a shopping binge. This was a bit easier, it only cost me as much as a couple of Sony 2002s. As you pointed out, the wind going over the wing sucks the plane up into the air. However, you didn't point out that the wind over the wing isn't the only thing about air travel that sucks. It was impossible to get from Computadelphia to ANARCON without going to Dallas. Our plane into Dallas was 30 minutes late. Since the airline's computer was on the fritz, the lady in Computadelphia didn't log us in for our connecting flight from Dallas. The airline thought we weren't coming and sold our seats to someone else. I offered to reboot the airline lady in Dallas' DOS. She threatened to call a cop. Finally, some seats were found. While in California, Mrs. Computer and the three little calculators went to the Mecca of Mousedom for two days, Knotts Berry Farm and Universal Studios (not to be confused with Universal Shortwave-there are no complimentary screwdrivers at Universal Studios). They also found the second largest mall in the State of California. When I tallied the bill, it only came to the price of an ICOM R71. While Mrs. Computer and the calculators were out having fun, I attended the convention. I guessed something was amiss since the BBC representative packed his bags and left just as I was arriving. I should have gotten a stronger signal when at the first scheduled coffee break, no coffee appeared. A quick inquiry revealed that it was a virtual coffee break. One had to drink virtual coffee or buy their own. There was a lot of virtual about ANARCON 1988. The "numerous manufacturer's displays" turned out to be a Grundig salesman who left after one day. The room full of computers failed to materialize and the program schedule was filled with blocks of time marked "Open - Check Bulletin Board". In all fairness, the programs presented were very good, but there was a lot that was virtual about the convention. I was ready to write it off as a total loss when a box of Universal Shortwave screwdrivers appeared and saved the day. Knowing how Dr. DX has a special affinity for these, I brought you one. On the way home, I checked the hotel bill. It was the price of a Yaesu FRG 8800. Is it any wonder I'm stuck DXing with a Radio Shack DX-302? Oh well, Mrs. Computer and the little calculators had a good time.

Your pal,
Mr. Computer



Listeners Notebook

GLENN HAUSER, Box 1684, Enid, OK 73702

TEMPORARY ADDRESS UNTIL 15 NOVEMBER ONLY--

2118 Central SE, Suite 41, Albuquerque NM 87106

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A U S T R A L I A

Opposition spokesman on porn affs, Liberal party's John Spender, says a Lib govt would scrutinise RA's Indo-lang bcs. Refused to predict restrictions on RA's nx coverage of Indo domestic affairs (RA 29/8 via WBI)

A U S T R I A

RM reported 18/8: Talx w/RCI re relay in vly early stages; RAI has rcvd other relay offers from stns outside Eu to be considered. RCI relay'd involve 2 hpd to NAM via Sackville; RCI 2 hpd early morn to ME via Moosbrunn (WBI 26/8)

B O L I V I A

R Cordech, 4935 is identical to R Monteagudo. Cordech has PR off in Sucre while stn itself in Monteagudo, village hard to reach (H Pedersen, SWN)

B R A Z I L From Finn Krone's LA News column in August DSW-CI Shortwave News. Credits include: CRM = Claudio R Moraes, Brazil; JA = Julian Anderson, Argentina; THE = Tor-Henrik Ekblom, Sweden. Misspellings have not been corrected.

- 2310 R PROGRESSO, Souza - delete (CRM)
- 2340 R DIF ITACOATIARE - irregular (CRM)
- 2380 LIMEIRE active (CRM)
- 2410 R TRANSAMAZONICA not heard here (CRM)
- 2420 R SAO CARLOS - active (CRM)
- 2460N R PROGRESO DO ACRE, in Rio Banco AC under installation, will go on air in 1988, 1kW (CRM)
- 2470 R CACIQUE, Sorocaba, SP - inactive (CRM)
- 2490 DESCABADO active (CRM)
- 3205N R VALE DO RIO MADEIRE, Humaite, AM active here, ex 2310. Has increased power from 1 to 5 kW (CRM)
- 3225 LINS R CLUBE inactive (CRM)
- 3255 R EDUCADORA not heard here (CRM)
- 3275 R DIF CACERES not heard here (CRM)
- 3285N A station, located in Obidos, PA is planned here, not for near future, though (CRM)
- 3305 R RIO DE JANEIRO inactive (CRM)
- 3324.9 R UNIVERSIDADE, Guarulhos 34333 *0900- IS, then "A partir de agora Radio Universidade começa un nuevo día de trabalho ...", full ID (JA)
- 3325 R LIBERAL, Belem - nor heard here (CRM)
- 3335 R ALVORADA DO LONDRINA has addr: Caixa Postal 414, Londrina (Olle Alm via WRTHLA) probably inactive (CRM)
- 3335 R CLUBE, Vitoria de Conquista BA - delete (CRM)
- 3365 R CULTURA, Araraquara 20/6 0905 54444 relig progr, "A palavra de nosso Senhor e aqui na Radio Cultura" (JA)
- 3375 R CLUBE DOURADOS - inactive (CRM)
- 3375 R EQUATORIAL, Macapa, AP - active (CRM)
- 3375 R EDUCADORA, Guajara Mirim, AM - not hrd here (CRM)
- 3375 R NACIONAL, Sao Gabriel da Cachoeira, AM - not heard here (CRM)
- 3385 R EDUC RURAL, Tefe - not heard here (CRM)
- 3570 R TRES DE JULHO - active (CRM)
- 4775N R AMARELA, Rolim de Moura, RO will go on air 1988 (CRM)
- 4775 R CONGONHAS, Congonhas, MG - active (CRM)
- 4785 R BRASIL, Campinas, SP irregular, only on the air with sports transmissions (CRM)

4835 R TV ACAUE - delete (CRM)
 4845N R METEOROLOGICA PAULISTA, Ibitinga, SP - active (CRM) Caixa Postal 91, 14940 Ibitinga, SP (ADXL via TK via SWB)
 4885 R CARAJA, Anapolis, GO will be reactivated in 1988 (CRM)
 4895 R BARE acc. to GSL: Av. Santa Cruz Machado 170A, 69000 Manaus. V/s: Dir. Clodoaldo J. Guerra, verified with letter and folder (THE)
 4895N INTEGRACAO MATOGROSSENSE DE RADIO & TELEVISAO, Campo Grande, MS - planned to go on the air in 1990 (CRM)
 4905 R RELOGIO numerous times past 0340+, a change from TBS-listing 0230* (Ed)
 4935 R CAPIXABA, Vitoria 8/7 0200: "O Grande Jornal Fala do RC", 30' newscast (HK)
 4945 R NACIONAL, PORTO VELHO has addr: C.P. 005, 78900 Porto Velho, RO. V/s: Maria Cristina Brandao Santos, Gerente - interina (THE)
 4955 R MARAJOARA, new address: Traversa Campos Sales, 370 centro, 66020 Belem (LES/SWB via WRTHLA) V/s was Ronaldo Porto, Dir. Comercial, and also sportchief. Report can be sent to his private address: Trav. Vileta 1121 - Bloco A - Apto. 207, Barro da Pedreira - 66240 Belem - Para (LES & ZJ in SWB)
 4955 R CULTURA, Campos, RJ - inactive last 2 months (CRM)
 4965 R POTI sent English lang. GSL-card from Ademir Ribeiro in 6 months for 2nd f/up. - Also decal, 2 pcs, friendly letter from Maria Luiza Marques da Luz who notes she had to quit the station to have surgery but still stops by to look at reports and says she answers all and she answered mine twice before, even if not received. Is an SWL. Her personal address is: Rua Sao Francisco 34 Rocas, CEP 59100, Natal, RN (Moore, NU)
 5055N R JORNAL A CRITICA authorized here instead of 4935 (CRM)
 5965N FUNDACAO BRASILEIRA DE COMUNICACAO, Santa Maria, RS, has received construction permit, 7.5kW (CRM via TK, SWB) cfr also 11705
 11705N FUNDACAO BRASILEIRA DE COMUNICACAO, Santa Maria, construction permit, 10kW (CRM via TK, SWB)
 17835 R SURINAME INTERNATIONAL via Radiobras now 1800-1900 (ex 1700-1800) (Kurier via Onda Cortal)

RNB reported 25/8:
 Today Pres José Sarney signed decree privatizing R Ipanema, R Nacional de Tefé, R Nac de Volta Redonda and TV Nacional de Porto Velho... (WBI 2/9)

C A N A D A From 25/9 many changes to RCI EG sked, not just what you would expect of one-hour-latering Eu. Complete:
 0615-0630 &
 0645-07 M-F Eu on 9760 6140, via Davenporty 7155 6050; ME on D15235 and 11840; Af on D9740. 0930-0940 M-F
 Carib 9755 5960 + Montserrat 930. 1158-1259 M-F 17820 Carib, and 11855 9625 USA. 12-1229 Yamata on 17710 & 15385 to SEAs.
 13-16 Sun 17820 Carib, 11955 USA. 1545-16 17820 = exc Sun, 15325 C/EEu; Dav 11935 & 9555, Sines 15315 & 11915. 1715-1729 C/EEu 17820 15325, Dav

on 7235 and 5995 -- Note this is a completely new transmission.

18-1829 M-F, -1859 S/S 17820 15260 Af. 19-1929 M-F 17820 15260 Af. 1930-1959 M-F 17875 15325 11945, Dav 7235 5995 Eu. 2130-2159 17820 15150 11880 Af. 22-2259 11945 9760 Eu. 22-2229 9755 596C USA, Yamata 11705 SEAs. 23-2329 on 11730 9755, Montserrat 930 to Carib.

2330-0029(Sun/Mon 0059) 9755 5960 USA. 01-0159 Sun/Mon 11940 11845 9755 9535 LAm; 02-0259 Tue-Sat same to LAm (RCI Engineering 29/8)

C H I N A Zhongguo Xinwen She nx agcy reported 22/8: To reflect great changes in situation on two sides of Taiwan Strait and to meet listner demands, CPBS will fully restyle pgms bc to Taiwan. 'll provide svcs such as investment guidance, economic and trade advice, industrial and commercial info, etc. As from 11/9. Pgms in Putonghua incl Motherland Today, Informal Discussion on Current Affairs, Economic Info, etc. New lit & arts pgm is The Voice of Music. These pgms to be expanded: Service Station in The Air, Friends In The Air, The World of Sports, Broadcasting in the Mingnan Dialect, Hakks [sic] Villagers, Traditional Operas, etc. Nx pgms will give Taiwan more info and report matters with which Taiwan compatriots are concerned. Service Station On The Air expanded to become comprehensive svc pgm incl investment guidance, economic & trade advice, industrial, comml info, seeking relatives, medical treatment and knowledge on medicines, exchanges betw two sides of Strait, etc. Nx pgms will provide people in various circles in Taiwan w/various kinds of practical services (WBI 26/8)

C O L O M B I A Inravisión TV reported 23/8: Group of youths entered the Grupo Radial Colombiano bldg in Medellin last night and set it on fire. Group of

some 8 men entered installations of radio net, ordered everyone out, sprinkled petrol thruout bldg, set it on fire, left. Fortunately, no casualties. First estimates, losses amount to abt 10 megapesos in damage to turntables, cassettes, tape recorders, phones. Installations of Radio24 and rx svcs of this net were the ones most adversely affected... (WBI 2/9)

Re reactivation of Caracol on 4755--this kind of confirms rumor that MinCom has asked the 3-4 biggest nets to be on at least one SW fq; wonder where Todelar will appear and if RCN will use 4895 only, last listed in WRTH 85 (Henrik Klemetz, Sweden, Aug DSWCI SWN)

R Nueva Vida, 5566.3, 6/7 0130-0152* relig pgming from WYFR, probly recorded off air as distorted, until 0145 mx filler, ID o/mx at 0152* w/out NA (W J Parks, DXSF, via DSWCI SWN)

C O S T A R I C A R Golfito, Apartado 11, Golfito, lists itself on 6150 as well as MW 1600, both 1 kW. Dir is Mario A Munoz (stn to WRTH LA via DSWCI) Stn will have troublesome time on same fq as Impacto, hi. (Finn Krone, ed SWN)

E C U A D O R LV de la Juventud, 6581, noted 1/6 0317 asking for reports to: Catacogna, Loja (Nestor Rubio, Argentina, Play DX via Aug DSWCI SWN)

E T H I O P I A Monitoring 25-30 Aug: VOE ES continues obs w/test xmsns in Eg to EEU 18-1830, WEU 1830-19. Tho ancg daily on 9660, obs on 7315 26/8 [Fri], and hrd on 9662 29/8 [Mon] (WBI 2/9)

F I N L A N D R Finland 16/8 bc text of press release from Juhani Niinistö, head of extl being: R Finland will resume daily FR from 19/8, suspended in 1958. Weekend-only FR launched 2/87, now extended to all days. Weekend pgms have comprised 4h of xmsn time ea weekend. Now replaced w/three 15 min pgms daily. ES from Finland recently completd major tech investment, introed new langs. Over past 3 yrs, has cut back EG svc close to half the level of 1984, and brot back svcs in GM, FR. Air time for pgms in Swedish also increased. Earlier this year powerful SW & MW xmtr base inaug on west coast, incl several hi-power SW xmtrs, MW on 963. Extl bc pgm ops do not receive state subsidies, but are financed on basis of normal revenue of FBC. So far R Sweden has been only source of daily xmsn in FR from Nordic area. (BBCMS note: FR bcs to be carried: 0115-0130 [sic] on 15400 11755, 1030-1045 15325 15115, 1845-19 15185 11755 9530 6120 and 963) (WBI 26/8) Why does this have to be at the expense of English time? Hardly anybody speaks Finnish outside Finland--that's what should be cut (gh)

Monitoring research 29-30/8: New daily svc in FR obs 29/8 1030-1045 on 15325 USB, 15115; 1845-19 on 15185 11755 9530 6120 963; 20/8 0215-0230 (not 0115) on 11755 9635 (WBI 2/9)

F R A N C E France Inter reported 26/8: TV5 Canada will be launched in a few days. From 31/8 all Canadians can have access to this net, and be able to see some bcs of French TV, espily nx. Already Fr net, TVFQ, TV France Quebec but bcs only in that prov. Satl covers all Canada; second stage will be all of NAM, third Carib (WBI 2/9)

G R E E C E Monitoring research 26/8: VOG obs w/nx in Italian 0715-0725 on 9425, 7430 w/in 0630-0730 bc in GK to Eu (WBI 2/9) Hmmm, hard on heels of our RCI SWLD item about their "Maccheroni Italian" on 20/8 & 27/8--BBCMS would never condescend to say they were tipped to this by us (gh)

G U I A N A F R E N C H NHK on 9675 ex-5965, *08 in JP GS, G 5/9 (Padula)

I N D O N E S I A RRI Biak ops 20-16 on 1044; also on 5451 & 7210 but not traced currently on 5983. RRI Ambon currently noted on 3241 only and not 4835 during evening up to 1500* (Gordon M Darling, PNG, Aug DSWCI SW News)

I R E L A N D In Europe, unofficial stns can be hrd on Sun morn UTC, arnd 08-13 summer, hour later winter. Two main bands to check are 6200-6320, 7290-7490; used less fqly are 11400-11600, 6800-6930; even less so, 15000-15100. Also worth checking on Sat; at least one stn has regular Sat sked, and R East Coast Commercial began as a Sat-only stn. Most hi-power stn is R Rainbow, Sun on 6230 or sometimz 6232; bcs only paid taped pgms from other opns; powers said to be in 400w region, high mod level make it the most powerful. Occl IDs as Rainbow between tapes (Ken Baird, Eire, Aug DSWCI SW News)

I S R A E L VOI reported 29/8: Amnon Madav, veteran radio employee, elected dir of VOI for next three yrs. Committee electing him today incl all 7 members of IBA exec comte, dir-gen, two reps of journalists assn. Wished Nadav [sic] success in his new position (WBI 2/9)

K E N Y A VOK reported 23/8: Head of public svc, and secy to cabinet, Joseph Leting, ancd that VOK is to become a corporation so it can offer better svcs to the people. Addressing VOK press conf this morn, Leting said change soon take place when instruments for xformatin assigned. (BBCMS ed note: At present VOK is a dept of the Ministry of Info & Bcing) (WBI 26/8)

Kenya Times reported 24/8: Leting said change expected to enable stn to generate own funds. Govt decision prompted by prsistent complaints from public abt poor radio & TV svcs, largely blamed on stn's lack of funds & eqp. Plans to sever linx w/treasury but editorial & bc policy not change, remaining govt's PR arm.

Kenya Times editorial 24/8: change to corp has many advantages: civil service will give way to professionals and other talented staff can be adequately rewarded (WBI 2/9)

K O R E A S O U T H Yonhap nx agcy reported 30/8: Munhwa Bcing Corp, MBC resumed normal TV & radio bcs 30/8, ending 4-day strike after net mgmt and labour union reached compromise, under which corp pres Hwang Sun-pil resigned. Some 800 union members among net's 2100 employees had been on strike since Fri demand-ing Hwang resig, right to recommend candidates for 5 key editorial & produxion managerial posts as a device to ensure fair nx reporting. (WBI 2/9)

L E B A N O N R Free Lebanon, the radio of the Leb resistance (Arabic: Huna Idha'at Lubnan al-Hurr) reps Samir Ja'ja faxion of Leb Forces militia org. Does not annc location but xmtrs apparently near Juniyah, a port N of Beirut. First appeared in 1978, supporting Jumayyil family, particularly the late Bashir. Bcs in AR, EG, FR on MW 963 and FM. Group oprating this stn also ops TV stn, Leb BCing Corp, which began in Apr 84. During summer time in Leb all pgms one hour earlier. Sked is 04-23 incl EG nx at 0830-0840, 1230-1235, 1530-1535, 1645-1655 [sic] in 17-18 pgm in EG.

V of the Mountain (AR: Sawt al-Jabal) is organ of Druz leader Walid Junblatt 's Progressive Socialist Party. IDs as The V of the Mtn, the v of all the nationalities in Leb. Does not annc location, but reported to be in Alayh, in mtns overlooking Beirut. Following months of expl xmsns, ofly came on air 1/2/84. Bcs in AR, EG, FR on MW and SW. Have been reports PSP intnds to establish own TV stn. During summer time, all pgms one hour earlier. Sked 0410-2220 on 1080 and irregular 6052.5.

V of the Homeland (Arabic: Sawt al-Watan) established by former Prime Minister Sa'ib Salam and speaks for Sunni Muslims in Beirut. Opd by Maqasid Benevolent Assn, bcs from Beirut. Per chmn of assn, is apolitical and nonpartisan, features social, cultural, educ, Islamic pgming. R Kuwait reported this began expl xmsns 27/3/84 but not traced until 1/8/84. During summr time in Leb all pgms one hour earlier. On 1134 kHz at: 0355-2330.

R of Islam, V of the Oppressed (Arabic: Idha'at al-Islam, Sawt al-Mustad'afin) first hrd bcing in progress 14/1/86. Suports Shi'ite Hezbollah org. Does not annc location but appartly from Biqa valley, Shi'ite controlled area E of Beirut. In addn to reporting nx critical of govt, offers pro-Hezbollah, pro-Iranian views, carries substantial Muslim relig pgming. During summer time, all pgms one hour earlier. On 1008 kHz at 0415-1800.

V of the National Resistance (Arabic: Sawt al-Muqawamah al-Wataniyah) inaugd 9/6/86 by Amal leader Nabih Birri who was then Min of State for the South and Reconstruction. Natl Resis is anti-Israeli umbrella group. Per 5/6/86 Al-Nahar nx-paper, stn is in Bi'r Hasan in W Beirut. May have had some connexion w/V of the Arab Revolution which was first hrd May 1979, and also hrd describing self as v of the Natl Resistance. The latter also tested on 1050 in Feb 86. During summer time in Leb all pgms one hour earlier. In AR 04-22 on 1050 (WBI 2/9)

M A D A G A S C A R R Mad use of SW is irreg. Sked list all known ch, only two or three of which may be used at any given time. Possible ES to SAF, reported on 6135 at 16-20 apx, not confirmed. R Mad DS in Malagasy 02(Sat/Sun 03)-05 on 5010 4958 3370 3288 2495 2463 1394 693 630. 05-1502 on 9690 6135 5010 4958 1394 693 630. 1502-19(Sat -21) on 3370 3288 2495 2463 1394 693 630. Low power xmtrs also on these unconfirmed ch: 1602 1586 1566 1557 1539 1485 1467 1377 1350 1323 1263 and 1125.

R Mad, Frequence 2, multilingual: Sun 09-14 on 6170 3232 1501 101.0; Sat & Sun 14-16 & daily 16-20 on 3232 1501 101.0, incl EG nx at 1745-18 daily (WBI 26/8)

M A L A Y S I A RTM Kota Kinabalu, 4970, noted openng in local morn at 2030 ex-2130, in March but now seems back to *2130 (Gordon M Darling, PNG, Aug DSWCI)

M A L I RTM Bamako returned to 9635, G from 0800 (Noel Green, UK, Aug DSWCI)

M A U R I T A N I A Mauritanian R, Nouakchott DS: 0630-09 4845, 12-17 7245, 17-24 4845 except Fridays: 0630-08 4845, 08-17 7245, 17-24 4845. During Ramadan also 00-0630 on 4845; in AR, FR, verns. Alternative freqs used on occasion in past: 9610 instead of 7245; 4820 stead 4845 (WBI 2/9)

N E W Z E A L A N D RNZ has nx on hour w/occl half-hourly bulls; 07-0730 M-F nx in Maori, Samoan, Tongan, Cook Is langs, plus Niuean on M/W/F only (Italo Tagliabue, Italy, Aug DSWCI SWN)

With the planned restructuring of being here in NZ, there are discussions about the future of NZ's SW bcs. As you will see, there now appears to be a commitment to upgrade the old SW xmtrs. How that will be done is not clear. Apparently Auntie Beeb is still in the wings, but whether Britain will be a partner, or whether NZ will finance the upgrading waits to be seen. The Herald is the daily Auckland newspaper, and the paper with the largest circulation in NZ. The Listener is an expanded TV guide, with TV and radioprogram listings, plus a wide variety of written articles, published weekly. (W Noel Brown, NZ)

Pacific Radio Upgrade Due

Radio broadcasts to the Pacific Islands will be improved and extended with an input of several million dollars as the Ministry of Foreign Affairs takes over funding of the international service.

The ministry intends contracting out the programming and broadcasting of radio shows specifically prepared for an islands audience.

Radio New Zealand now broadcasts about 10 hours a week of what it admits is a token Pacific programme but is prepared to improve the service if Foreign Affairs pays.

The international shortwave service has been allowed to run down because of the financial demands of local radio and RNZ intended scrapping it at the end of this year.

"We have two clapped-out post-War transmitters held together by prayer and number eight fencing wire," said RNZ director Beverley Wakem.

"It was a question of upgrading them or turning them off."

Successive governments had failed to decide which it was to be, she said.

The officials co-ordinating committee on broadcasting policy reform recommended the shortwave service be run by

Foreign Affairs and improved to provide a proper Pacific information and entertainment programme and the Minister of Broadcasting, Mr Prebble, has agreed.

The new Radio New Zealand State Owned Enterprises could prepare and broadcast the programmes once Foreign Affairs had decided the content and extent of the service it wanted, Beverley Wakem said.

The change in funding also means money collected from the public broadcasting fee will not now be used for overseas services. Last year Radio New Zealand used \$168,000 from the fee to pay power and maintenance costs for the two ageing transmitters.

The Broadcasting Corporation has estimated costs of new transmitters for the Islands broadcast at between \$3 and \$4 million.

Annual costs are expected to run between \$1 and \$2 million.

BCNZ director of corporate relations Mr Trevor Cudby said the existing Islands service was nowhere close to the full Pacific show envisaged in the new policy direction.

Foreign Affairs is due to take over the shortwave service on July 1 next year.

(Auckland Herald, 1/9, via W Noel Brown; more NZ next page)

N I C A R A G U A RNMN reported 18/8: A group of American citizens opposed to the Reagan administrations's CAM policy have drafted a proposal for an anti-Contra stn. To be staffed and financed by NAm's sympathetic to the Sandinistas.

NEW ZEALAND ON SHORTWAVE

Mrs E Neru (Letters, August 6) is astray in her assessment of my reaction to the possible rejuvenation of Radio New Zealand's external services.

In fact, in London last November John Tusa of the BBC and his staff raised with me the possibility of an arrangement which would enable the BBC to extend its services into the Pacific and allow New Zealand to upgrade its services. Subsequently the deputy head of the BBC's External Service, Christopher Bell, held discussions with New Zealand Foreign Affairs officials and, accompanied by me, spoke to the Associate Minister of Foreign Affairs, Fran Wilde.

The position then and now is, as Mr Tusa explained in his broadcast, that he must get agreement from the British Government for the proposed extension as part of the BBC's capital plan for External Services development. There has been no word on whether that extension to budgets has been approved.

For our part there is first the matter of whether the New Zealand Government thinks that having a shortwave service is of any use at all in support of foreign policy and trade and aid programmes. Once that has been decided there is the question of funding to support upgrading the service — in these precarious times by no means assured — and, I imagine, the question of sovereignty involved in whether to allow the BBC to site a transmitter on our soil.

Mrs Neru may rest assured that, far from being negative, I have been battling along this track for 10 years now to try to convince successive governments not only of the merits of having the service, but of upgrading it and presenting a purpose-designed programme to put New Zealand's interests to the world.

At two international conferences last year delegates endorsed the view that, new technologies notwithstanding, there was at least 40 years more life for shortwave radio. Most other countries see this as being of vital importance and many are investing heavily in upgrading their services.

The shortwave transmissions into our backyard, so to speak, are increasing both in number and in strength. What a correspondent described as "New Zealand's soft and reasonable voice" is rapidly fading amongst this barrage of signals, not all of which represent viewpoints favourable to us. I thank Mrs Neru for raising the matter and hope that if anyone else shares our conviction, they might let the appropriate people know about it.

(Beverley A Wakem, Dir-Gen, RNZ, letter to Listener, via W Noel Brown, 3/9)

R Veterans for Peace, as it would be called, will be based in Nic w/capacity to bc on MW in SP & EG to audiences in the region, incl US troops based in El Salvador and Honduras. It plans to use interview material from war veterans in all countries who've become peace makers. Thru locally-produced & satellite-xmtd pgms, RVFP'll incorporate local, regional and intl nxcasts. It'd take a stand supporting Nic rev & incl pgms produced by US and other war veterans incl spl info segments addressd to US soldiers. At moment, plan suggests stn will be part of Nic's People's Radio Bcing Corp. Assuming funds forthcoming, the 10 kW xmtr w/direxion al ant, bcing from northern Nic, could be running by end of next year. It'd be powered by diesel generators.

Monitoring 18-19/8; Acan nx agcy reported on 18/8 that Nic govt had authorised reopening of R Catolica, which had been suspended 11/7; obs back w/ relig svc in progress 2035 19/8 (WBI) Barricada reported 24/8: Interior Ministr Tomas Borge spoke to the Third World Assembly of Community Radios--AMARC; reiterated that those commercial radio stns in Nic that 'go beyond the limits of natl interest and harm people's sensitivity with their lies will be punished by the state'. (WBI 2/9)

P A N A M A Circuito RPC R reported 18/8: RNoticias, stn owned by Carlos Fabrega, was closed 17/8 at apx 2200 by Panama Defence Forces units. Was one of stns that formed net to bc details of death of Panamenist Party leader Arnulfo Arias. At the moment, RN facilities, located in San Francisco area [of Pan City] are surrounded by mily units. Circuito RPC TV reported 18/8: Two local radio stns, R Noticias and R Suave, were closed yesterday and operational permits suspended following orders from govt and justice ministry. DPA reported 19/8: Pan govt & justice ministry 18/ 8 permitted reopening of R Estereo Suave, which was closed yesterday, and normal resumption of its daily FM xmsns. Report by social comms media directorate noted Suave was allowed to resume FM since is strictly mx format, no reason to ban it. Same office did not say when R Noticias, AM 1100, would be allowed to reopen. Critica, Pan City, reported 19/8: Pan radio bcing corp, which manages Circuito RPC R & TV, dismissed 85 employees 16/8 incl cameramen, admn, and journalists (WBI 26/8)

P E R U Next page info from Aug DSWCI SWN; PT = Pierre Theze, France; and MR = Marcel Rommertz, Holland

- 3270N R CORA still lists this frequency, saying it is being implemented. 10kW, call sign OAZ4N, with tx to be located in Puente Piedra, where also studios are located (at km. 26.5 Panamericana Norte - Puente Piedra). Oficinas: Paseo de la Republica 144 Ofc. 5, Lima. Slogan: "Yo soy Cora". Sch on MW 600kHz is 0900-0500 (stn 3/6 to WRTH)
- 4770 R INCA DEL PERU. Addr: Corporacion Electronica Peruana S.A., Jr. Bernardo Alcedo No. 375 Lince, Lima 14. Where they also have the studios. Dir.Gen: Augusto S. Irei Shimabukuro. Dir.Tec: Jorge Luis Irei Inamine. Uses 5kW with transmitter location in El Agustino. Sch: 24h (stn 1/6 to WRTH) not reported since Jan., 1987, on old 4762 kHz freq., ed.
- 4775 R TARMA, Casilla 167, Tarma. Oficinas y estudios: Jr. Huanuco No. 676. Proprietario: Mario Monteverde P. y Nestor Monteverde T. Dir.Gen: Mario & Dir.Tec: is Nestor. Uses 1kW OCX4E. Slogan: Radio Tarma la profesional* ... Sch: 1000-1400, 2000-0500 (stn 3/6 to WRTH)
- 4800N R 1550 LA NVC DEL PERU in letter claims to be on this freq. Listed on 1530 in WRTH with NVC standing for "Nueva Voz del Centro". Addr: Av. Huancavelica 430, Huancayo, where studios are also located. Belongs to Peruana de Radiodifusion SRL. Dir.Gen: Horacio Gago Espinoza. Dir.Tec: Mario Vera. Tx power 1kW, call-sign OCY4S, tx located in Pio Pata. Slogan: "Senal de Alta Felicidad, en la Cumbre de la Sintonia". Sch: 1000-0600. (stn June to WRTH) not reported yet, so I believe is still future plans, ed.
- 4910 R LIBERTAD DE TRUJILLO, Casilla No. 712, Trujillo. Oficinas: Edificio Burmeister en Zepita No. 450 y 452, Trujillo, where also studios are located. Proprietario: Dr. Carlos Burmeister Barrionuevo. Dir.Tec: Carlos Burmeister Landauero. Uses 1kW, call OAX2H, transmitter being 3 km away from Trujillo. Slogan: "Radio Libertad de Trujillo, La Voz del Pueblo y la Juventud". Sch: 1000-0400. Has been on the air since 37 years. Plans 10kW on MW and SW. - Has received reports from Victoria in Australia, Tokyo, Sweden, Norway, USA, Italy and Jerusalem (stn 8/6 to WRTH) still active? anybody? Ed.
- 4935 R TROPICAL is active again (cfr. SWN4/88). Sent form letter in 3 weeks giving frequencies as OAX9C 1340kHz; OAX9D 9710kHz; OAX9E 4935kHz. - Estudios y oficinas are at Jiron Bolognesi 157, Tarapoto. Phone No. 2083. - V/s is Luis F. Mori. Reategui, Gerente. The cable address is "Tropical" in Tarapoto. (PT) Programmes (local time): 0500 Apertura de la programacion 0505 Amanecer Andino 0530 Brisas Musicales del Amanecer 0630 El Matutino 0830 Luis Palau 0835 Sobre Ruedas de la Selva 0930 Variedades Musicales 1100 Actualidades del Medio Dia 1200 Mundo Social 1330 Discoteca Criolla 1355 Un Mensaje a la Conciencia 1400 Mundo Empresarial 1700 Tropicalizando la Tarde 1600 Los Especiales de J.P.M. 1630 Musica Peruana 1700 Cuando Mexico Canta 1730 Musica Juvenil den Recuerdo 1800 Primera Plana 1900 Golazo Deportes 2000 Salsa, Ritmo y Sabor 2100 Hora Juventud 2300 Cierra de Transmision 2305 Himno Nacional (MR)
- 4950 R MADRE DE DIOS, Ap. 37, Puerto Maldonado has studios c/o Daniel A. Cavrion 367, 2.o piso. Is owned by CENCOS. Dir.Gen: Frco. Javier Aniz B. Dir.Tec: Enrique Cervero C. - SW is 5kW, OBX7I, sch: 1030-0230. Slogan: "Una voz al servicio del pueblo" (stn 3/6 to WRTH)
- 5015 R JULIACA claims they are on this freq., but don't you believe it until you hear it! Ed. For the sake of good order: Apartado Postal 67, Juliaca, studios & offices Paseo Arequipa 168. Proprietario: Alberto Guintanilla Chacon. Dir.Gen: Jose A. Coronado Cobenas. Lists SW with 500 watts & sch: 1000-0300. Plans increase of power to 5kW (prob. for MW 1300 where 1.5kW now) (stn 4/6 to WRTH)

POLAND RNMN reported 18/8: at least 15 illegal R Solidarity stns active now. Four major ones are in Warsaw, Szczecin, Gdansk, Krakow. Pgmms simply put together, bc by clandestine xmtrs. We managed to contact someone involved in this, IDed only as Marek. Says various stns cooperate and exch some tapes but not really network: New pgms are out once or twice a week. The stn I work for has made 85 pgms so far. Vy simple to make xmtr and be on air a few times only. Estimate xmsns in past years from about 100 diff places; some maybe only once or twice, others 5 or more times. Maybe total 20 or 40 persons involved. Many xmtrs lost because bc on FM, often automatic, unattended. Bc on sound eqs of Polish TV, or on an FM channel close to a popular Polish FM channel. Not necessary to distribute leaflets to make people aware. Xmsns have info about demonstrations, meetings, mx, songs brief commentaries, nx not bc by govt radio. Bcs last 5 to 20 mins, first & foremost because of security. Made in diff ways. Some bcers carry xmtrs with them, setting up atop apt bldgs, keeping look-out; others prefer using time switch. W/auto bcng you risk losing xmtr, cassette recorder because it is left between trees? or on rooftops and can be located by

5020N R SAN CRISTOBAL DE HUAMANGA is renovating equip-ment but plans to start on this freq. OAXSY with 1kW with transmitter in Cerro Acuchimay Ayacucho. Addr: Casilla No. 30, Ayacucho. Proprietario: Arzobispado de Ayacucho. Dir.Gen: Arzobispo de Ayacucho. Dir.Tec: Julio A. Sulca Tineo. Slogan: "La que ensena y deleita". (stn 8/6 to WRTH)

direction-finding. Other times one may bc from apt, worst method because so easy to DF. Then we usually use 3, 4 or

5 apts and xmtrs, adjust watches and bc only 4 or 5 mins from one apt before next xmtr from next apt takes over, etc. Xmtr power between 20 and 200 W; ab-out same size as a portable radio [receiver]. At mass meeting re murder of Father Popieluszek, used xmtr not bigger than record player to bc to loud-speakers hidden in trees. Recording of bcs made in private homes; big problem is to get access to secure homes for recording & xmsn where we can trust the owner. But recording & xmsn never made in same flat. Never make a pgm and xmit from same apt. Sentence for illegal bcng is up to 5 years. Quite often we ask listeners to turn lights off and on in apts. We have observers outside looking and seeing if they do. They do (WBI 26/8)

P O R T U G A L RDP Intl reported 17/8: Secy of State for Port [emigrant] Communities, Correia de Jesus ancd today in Viana do Castelo that Port TV's first satl bc to Port emigrants in USA, Canada, Bermuda, will go out 28/8 (WBI 26/8)

S C O T L A N D Weekend Music R hrd on 6317 10/7 at 11-12, 12/1300 on 6200 [sic--does that mean 12/7 at 1300, or 10/7 at 1200-1300?] Addr is 42 Arran Close, Cambridge, England, have been QSLing lately. Claim to be going to test arnd 15045 shortly at nights, or even later in year on 26 MHz if condx are there. R Gloria is only other SW opn from Scot at moment, in planning stage. Short test xmsns already on 6290, 6293; no addr yet (Ken Baird, Aug DSWCI)

S O M A L I A R Mogadishu reported 17/8: Today Challe Dr Abd al-Rashid Shaykh Ahmad, Min of Info, natl Guidance, Tourism, met w/all staff of Som radio dept, incl heads of sexions. Briefed them on need to improve quality of radio bcs, stressing their role in fostering unity of Som people, informing them abt produxon, tax collexon, preservation of culture, our way of life, etc, i.e. interpreting policies of party & govt at all times.

R Mog reported 21/8: same gent offly opened this aftn two addl studios for R Mog worth 1.2 megamarx deutsch. Studios donated by FRG govt. Thanked Germany for practical gift, not first time. More in pipeline for Sonna nx agcy, SDR TV. Thanked radio & TV techs of R Mog for being alert day & nite in maintaining and repairing studios, ensuring remain serviceable for 20+ yrs. (WBI 26/8)

S O U T H A F R I C A R RSA ancd 29/8: from 4/9 spl xmsn in Danish to Scandinavia on Weds only, 16-1615 on 21535 (WBI 2/9)

S U D A N National Unity R ancd 17/8: In the name of God, the Compassionate the Merciful. Brother comrades-in-arms, brother listeners everywhere: God's peace, mercy and blessings be upon you. We meet you again after an interruption for tech reasons outside our control and hope our contact w/you will continue at same time and fq. We pray God Almighty to save our country from disasters and calamities (WBI 26/8)

S U R I N A M R Sur Intl ancd 23/8 1740 in EG: From 5/9 RSI will bc on 17840 thru Oct. At 1700 Mon-Fri (WBI 26/8) [via Brasil]

S W E D E N SCDX reported 30/8: City 103, opd by Swedish Employers Fedn, has been relaying VOA for 8h a night as one of several orgs sharing xmtr. Now Community R board says xmsns illegal. Decision a bit ironic as local radio stn in Stockholm has been relaying 20 min a day of BBCWS and Swedish Telecom has been planning on incl both BBC and VOA-Europe on cable systems around the country. VOA on at least one cable system here in Stockholm already. (?Patrick Eksell), head of City 103, explains what's next:

We have to appeal against this decision to the admn court of appeal in Stockholm called the Kammarraetten. We still think we are right to bc or rebc VOA-Eu. Law says main part of pgm should be locally produced and we are producing 9½ hpd, bc VOA 8h; we think the main part is locally produced when it's 55% (WBI 2/9) City 103 is in Gothenburg

S Y R I A R Damascus, often w/EG & SP pgm 21-2335 on 9951.0, 43444 (Finn Krone, Denmark, Aug DSWCI SWN)

T A I W A N Central Broadcasting System nets skeds: I - Mandarin for workers, farmers, soldiers, students & cadres [timezone not specified, presumably PRC] 0450-09 750 900 1100 7150 7250 11905. 09-1150 900 7250. 1150-15 750 900 1100 7150 7250 11905. 15-1750 900 7150 11905. 1750-24 600 750 900 1100 7150 7250. 00-0030 on same. 0030-03 600 750 900 1100 7150 7250 11905. 03-0450 on 900.

II - Mandarin for ranked cadres of govt & party, intellectuals: 0555-1755 7105, 1755-0555 on 1521 927 11775 6180 [11775 accounts for the jamming often making BBC useless in NAM in the 11-1330 period].

III - Mandarin for Officers and Soldiers of Armed Forces: 0450-1150 1250 & 850; 1150-1750 1050 800; 1750-0450 on 1050 1250 850 800.

IV - news and music: 1755-06 on 1000, 6087, 9630.

V - Cantonese on 6040 9690, Taiwanese on 1200, Hakka on 3335, all at 1750-06

VI - Frontier langs, all on 11905: 18-1930 Mongolian, 1940-2110 Tibetan, 2110-2120 Special Communications (B3) [sic], 2130-23 Uighur, 2330-0030 V of Free Asia in Mandarin, Korean (undated, via Aug DSWCI SW News)

U S S R DFA nx agcy reported 10/8 from Moscow: Kazakh TV has at last started TV pgms in German for the minority, in addn to radio.

Prawda Vostoka reported 20/7: Tajik schoolchildren in Bukhara oblast [in Uzbekistan] will start classes in their native lang. Also Tajik pages in rayon newspapers, local radio will start being in Uzbek & Tajik.

R Moscow carried 45-min pgm in Basque from 2110 18/8 within the 21-22 bc in SP on 15550 11960 11630 9710 9580. Per anmt at end of bc, pgm in Basq repeated at 1910 19/8, 1810 20/8. (WBI 26/8)

Home service stn nx: New one in Yakutsk-Gevan? on Thu at 0230-03 on 7345 7140 7200 in local langs. Khanty-Mansiysk on 4820, 50 kW w/Moscow 1 + local pgms; on 4520 50 kW Moscow-2. Local pgms at 0240-03 & 0810-09. Vladivostok on 4040 w/Moscow-2; on 5015 w/Moscow 2 + local at 20, 07, 09. Petro-Kam on 4485 100 kW Moscow 1 + local at 1830, 1930, 2130, 07. Vilnius, Lithuania on 9710 at 03-15 & 20-22 pgm I, 16-20 pgm II (Soviet DX Club, via Aug DSWCI SWN)

U K O G B A N I England? Site unk, WS on apparent new 9675, 2100 4/9 QRM Tunis co-channel (Bob Padula, Surrey Hills, Vic, Australia)

U S A AFRTS hrd on 5245 5375 7570 9240 9333 9925 10535 13650 in SSB (M Kitchener in SCDX, via Aug DSWCI SWN) PWBR gives location as Barford, fqs such as 5376.8 7565.5 9242.4 9921.5 10538 13651.1 (also taken from CFL), and power 4 kW. Believed intended for AFRTS stns in Eu, maybe ships. I've hrd at least 2 at any one time, but vary from day to day acc to prop and time of day (Noel R Green, UK, DSWCI ed) Barford, England, that is (gh)

V E N E Z U E L A R Rumbos, Caracas, tent. on 9723 at 1708-1718 15/6 SP ads, TC, Notirumbos pgm, El Show de Joselo, 45554 (Manuel A Rodriguez Lanza, Venez, Aug DSWCI)

R Valera, 4840, G 21/7 0330 w/soft mx w/out anmts; 0355 ID, s/off w/NA, and Trujillo anthem. Plays same soft-mx pgm every night from arnd 0330; taped pgm of 30-60 mins w/out any stn prsnnel involved. Haven't changed content for at least 9 months! (Michael Schmitz, FRG, Aug DSWCI SWN)

C L A N D E S T I N E C R A N N Y R Venceremos Reported 26/8: Our stn has participated in forum in Sal Salvador on social comms organised by Natl Univ of El Sal w/report on role of revly radio stns in our unjust society. Event involves participation of natl info media, incl press, radio, TV; Natl Univ school of journalism; forn corresps; FMLN radio stns. RV's report focuses on issues re Sal people's struggle to secure right to info, freedom of speech. Touches on various moments in history when dictatorship tried to silence voice of working majority, and alternate comms emerged as a result. Incl experiences of RV over past 8 yrs in role to inform, guide, link vanguard w/its people. Has become strategic instrument of emerging power of the people. We call on all our people to look out for forthcoming RV bcs, because we will be reading from this report, part of efforts of this academic centre to scientifically define role of media in Sal society (WBI 2/9)

RV, first hrd Jan 81. Hostile to govt, claims bc from Morazan dept in El Sal. Linx up w/R Farabundo Marti on spl occasions. Duration of xmsns varies, fqs change constantly to avoid QRM. Up to 5 // fqs obs at any one time. A 'fake' RV also obs on fqs adjacent to the genuine. These follow same format but more strident in calling for senseless violence, unnecessary sabotage. During summer time in El Sal xmsns will be one hour earlier than listed [summer time in CAM does not necessarily occur in the summer! -gh] --

Main bc at 01-02 daily on 6600v 3754v 3475v 96.0 FM, others are repeats: 03-04 daily on same. Mon-Sat 1315-1415 on same; 15-16 Sun on same. 19-20 Mon-Sat on 6835v 6600v 96.0, 21-22 Sun on same. RV ancs addr as: P O Box 7-907, Mexico City, DF, Mexico (WBI 2/9) I say again, Mexico Siete, not City (gh)

V of the Libyan People 17960, 1537-1544 10/6 & 2/7 AR talk heavily jammed, 42442 (Frank A Baldwin, UK and Mikhail P Timofeyev, USSR, Aug DSWCI SWN) unID on 17960, 0940-1020 testing 12/7 on & off w/EG pop record over & over again (Finn Krone, Denmark, ibid)

V of Tigre Revolution addl fq of 7888 varying to 7892 at 04-0530 //7830 9311 & 9343 (WBI via SCDX bc 20/9)

R Voice of Ethiopian Unity ancd 16/8: Listeners have sent us info that RVEU reception has been poor for a few days because of incorrect xmsn. We pledge from today to provide quality xmsn. If we encounter similar tech problems in future we shall inform you in advance [how can they do that??? -- "tomorrow our xmtr is going to be haywire on the wrong fq" ?]. [BBCMS ed note: RVEU, hostile to Eth govt and believed to bc from xmtrs in Sudan, thot to have been off air since 7/8 as result of flooding in Sudan] (WBI 26/8)

V of Iraqi Kurdistan (Kurdish: Aira Dangi Kurdistan Iraqia) hostile to Iraqi govt u/Saddam Husayn, and pro-Kurdistan Democratic Party and the Natl Democratic Iraqi Front. Has been hrd irreg since 1965. Xmsn times vary and fqs change constantly to avoid QRM. During summer time in Iraq bcs may be one hour earlier than shown: 15-1615 on 5510v, and unconfirmed at 04-05 on same; in Bahdinani Kurdish, Arabic and Surani Kurdish (WBI 2/9)

Iran's Flag of Freedom (Kaviyani Banner) Radio formerly V of the Liberation of Iran (Persian: Seda-ye Jebhe-ye Nejat-e Iran) first monitored 23/6/83 but may have been on air since at least 21/3/83. On 14/2/87 and in future it'd be known as Kaviyani Banner Radio (Persian: Derafsh-e Kaviyani Radio) but ID anmts in EG refer to Iran's Flag of Freedom R. Stn is pro-monarchist and hostile to Khomeyni and Iranian govt. Anmmts also in EG, FR. Items in Azeri also carried. Xmtrs believed in Egypt. 1630-1830 on 15560 11630; repeated at 0330-0530 on 15555 9045 (WBI 26/8) More fq changes for 1630 bc: 27/8 & 28/8 obs on 11615 instead of 11630, //15560 (WBI 2/9)

NOTE: Because of forwarding delays, early deadline for this issue, and mail strike in Britain, only two issues of BBCMS WBI are included in this edition of LN insted of the usual 4 or 5. Expect a large LN next month. (gh)

P U B L I C A T I O N S WORLD BROADCASTING INFORMATION Published weekly by the BBC Monitoring Service, WBI gives up to date news on developments in world broadcasting including: details of the different programme and frequency schedules. Broadcasting behaviour and technical developments. Activities of clandestine and unofficial broadcasters. For more information, write to: Subscriptions Office, BBC Monitoring Service, Caversham Park, Reading, RG4 8TZ, Berkshire, England, UKOGBANI (BBCMS) Cost is 350 pounds per annum plus overseas postage

DX LISTENING DIGEST Complements LN in similar format with a great deal of DX news not duplicated in LN, gathered from many domestic and overseas DX publications, broadcasts, direct info from readers and listeners. Some issues also include ENJOYING RADIO, conducted by David Newkirk, wherein radio may be approached from just about any angle. Sample \$2 in North America, \$3 overseas airmail. 10-issue subscription \$21 in North America, \$27, \$29 or \$31 elsewhere by airmail depending on the zone. Remittances must be in US funds and on a US bank or by postal money order; or cash at sender's risk, registered mail recommended. From gh, at either address heading this LN some pages back.

REVIEW OF INTERNATIONAL BROADCASTING Emphasizes program info, much of it in advance, opinion, Radio Equipment Forum and Satellite Watch conducted by Loren Cox. Extensive reprints of advance program info from BBC London Calling, the only SW program guide which charges a subscription fee if ordered separately. Exactly the same prices as DXLD above, or both for \$2 less than the total, e.g. \$40 in North America, also available only from gh.

L A S T M I N U T E I N F O WRNO has been playing WORLD OF RADIO at 1535 UTC the last two weeks on Thursdays [11965].
On the Sat 2330 & Sun 2030 bcs, latest starts mean cut off at end (Jon Goldman 16/9)

CHINA, PEOPLES REPUBLIC OF: Voice of Jinqing 4875 f/d "Zhonghua City Gate" cd. and station information direct from station in 29 ds. after a f/up rpt. * for an SASE. (Darling-PNG). **Red Cross Broadcasting Station** 15135 via **Kunming** cd. w/ sticker and schedule in 66 ds. Also rcvd. cd. for the **Beijing** relay of the above station on 11695. (Darling)

CLANDESTINE: A Voz da Resistencia do Galo

* **Negro** 4973 f/d prepared cd. in 21 ds. for ms. v/s Figuerido Paulo, UNITA Representative. (Wilkins-CO)...What did you use for an address?...Sam.

COLOMBIA: La Voz de los Centauros 5955 n/d cd. in 150 ds. for a SP rpt. and ms. v/s Juan Carlos Torres Leyva.

* (D'Angelo-PA). **Radio Cadena Sutatenza** 5095 f/d prepared cd. in 9 mo. for a SP rpt. v/s Luz Angela Duenos, C. (Rub-

* in-NY). **Radio Cinco HJPD** (new call letters on SW) f/d prepared cd. w/ p/d ltr. in 1 mo. for a SP rpt. after 4 tries. This was for a 1983 reception. v/s Omar Lopez Robayo, Gerente. (Palmerheim-MN).

COMORES: Radio Comores 3331 personal ltr. in 6 wks. after 5 f/up rpt. in FR for \$1.00.

* v/s Antufi Mohamed Bacar, Le Directeur de Programme. This was for receptions in 83, 84 and 85. The v/s states that it his his job to answer every piece of mail the station receives. I guess it would be very hard to get fired from his job. Hi! (Sams).

CUBA: Radio Habana Cuba 9550, 11725, 9730, 6060 and 11795 "Lenin Park" cd. in 2 mo. (Barto-CT).

CZECHOSLOVAKIA: Radio Praha 5930 f/d "Vyssi Brod Monastery" cd. in 62 ds. (Levison-PA). f/d cd. in 36 ds. (Hazzard-PA).

DOMINICAN REPUBLIC: Radio Mil HIN 2440 (2x1220) f/d ltr. w/ schedule

* in 22 ds. for a SP rpt. and \$1.00. v/s Eduardo Guerra, Director General. (Bryant-OK). **Radio Amanecer** 6025 p/d cd. w/ ltr. in 21 ds. for a SP rpt. and ms. v/s Socrates Dominguez (card) and Pastor Ferrer (ltr.) 1000 watts. (D'Angelo-PA).

ECUADOR: Radio Centinela del Sur 4890 p/d ltr. in 7 mo. for a SP rpt. and ms. v/s Marcos G. Coronel Velez. (Sgrulletta-NY). **Radio Jesus del Gran Poder** 5050 p/d cd. in 1 mo. for a SP rpt. and ms. v/s P. Jorge Enriquez. (Allen-OK). **La Voz del Napo HCVN7** 3280 p/d cd. w/ pennant and sticker in 25 ds. for a SP rpt. and ms. This after several f/up rpt. in SP. v/s Ramiro Cabrera. (D'Angelo). **Radio Iris** 3380 f/d ltr. w/ travel brochure of Esmeraldas in 4 mo. for a SP rpt. and ms. v/s Pilly Naranjo de Villagomez, Gerente. (Sgrulletta). **Radio Paz y Bien** 4820 p/d "Logo" cd. w/ personal ltr. in 81 ds. for a SP rpt. and ms. v/s Enrique Pesantez G., Gerente. (Archer-NC). **La Voz del Upano** 5040 n/d cd. w/ stickers and a personal ltr. in 149 ds. for a SP rpt. and ms. v/s Dolores Palacios C., Director. (Rugg-QUE). p/d "Logo" cd. w/ personal ltr. done on a

Q S L

Certificado de Sintonia

Emisora LA VOZ DE LOS CARAS

A Sr. ROWLAND ARCHER

Muchas gracias por su informe de recepción. Tenemos el

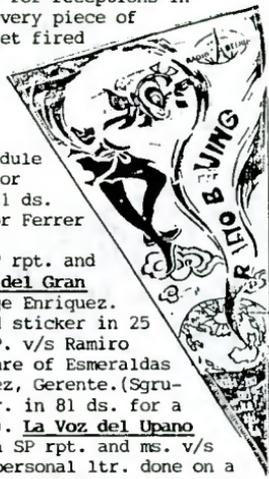
gusto de confirmar su control de nuestra emisión en 4795 khz. de fecha 6 DE MAYO DE 1988 a las 9:05 - 9:35 horas de ECUADOR con 5.000 vatios de potencia.

LA VOZ DE LOS CARAS

MARCELO A. NEVILL F.

ING. SONIDO
DIRECTOR

firma y sello oficial



Q S L 13 julio 88

Certificado de Sintonia

Emisora TGVC Radio K'ekchi'

A Sr. Rowland Archer

Muchas gracias por su informe de recepción. Tenemos el

gusto de confirmar su control de nuestra emisión en

4845 khz. de fecha 2 de abril de 1988

a las 4:54 horas de 5:30 con

250 vatios de potencia.

Con la ayuda de Dios, nuestro "nuevo"

transmisor Gates BC-5P-2 de 5 KW seravc

instalado la proxima semana, **RADIO K'EKCHI'!**

Será "switchable" entre 1 KW y 5 KW 445 kHz C.

Probablemente transmitiremos en **ALTA VERAPAZ**

K'ekchi' y con 5 KW en español.

firma y sello oficial

computer and word processor asking for music of the USA and stickers. This in 101 ds. for a SP rpt. and ms. (Archer-NC). **Radio Difusora Catolica Cultural Voz de Upano** 5040 cd. w/ ltr. and schedule in 3 mo. for a SP rpt. and ms. (Lobdell-MA). **Radio Catolica Nacional** 5055 n/d form ltr. w/ information sheet and a small plastic pennant in 5 mo. for a SP rpt. and ms. v/s Rev. Padre Antonio Arregui, Director-General (Lobdell-MA).

ENGLAND: VOA 11760 via **Woolerton** f/c cd. in 13 ds. (Hazzard-PA). 15205 f/d "Statue of Liberty" cd. in 5 ds. (Washburn-ME).

ETHIOPIA: Voice of Ethiopia 7110 f/d "Antenna" cd. in 380 ds. for ms. (Archer-NC).

EUROPEAN RUSSIA: Radio Moscow 15110 via Kazan f/d cd. in 7 wks.(Allen-OK). 11850 via Ryazan f/d "Dzerzhinsky Square" cd. in 52 ds. (Archer). 15450 via Armavir same cd. in 52 ds.(Archer-NC).

FRENCH GUIANA: Radio France International 9800 via Montinsey "Antenna Farm" cd. w/ schedule in 26 ds.(Eckman-CA).

GALAPAGOS ISLANDS: La Voz de Galapagos HCVGB 4810 p/d "Turtle" cd. in 48 ds. for a SP rpt. (Willis-KY).

GEORGIAN SSR: Radio Moscow 15500 via Tbilisi f/d cd. in 52 ds.(Archer-NC).

GERMAN DEMOCRATIC REPUBLIC: Time Station Y3S 4525 Nauen p/d folder cd. in 3 mo. (Barto). Radio Berlin International 9730 f/d "Woman with Child" cd. and DX Bulletin in 38 ds. (Levison). 11785 f/d "Holiday" cd. in 41 ds. w/ schedule.(Levison-PA).

GERMANY, FEDERAL REPUBLIC OF: Deutsche Welle 11865 n/d cd. in 28 ds.(Hazzard). Bayerischer Rundfunk 6085 p/d cd. in 6 wks. for 3 IRCs. The QSL is actually a bumper sticker. * (Wallace-MA). Radio Free Afghanistan via RFE/RL Biblis 11815 p/d cd. in 4 mo.(Barto).

GREECE: Voice of Greece 11645 f/d cd. in 24 ds. for 1 IRC. (Hazzard-PA).

GUATEMALA: Radio K'ekchi TGVC 4845 f/d prepared cd. in 2 mo. for a SP rpt. and \$1.00. v/s Gramm Sun. (Palmerheim-MN). Radio Chortis 3380 n/d cd. in 135 ds. for a SP rpt. and ms. and SAE. v/s Padre Juan Maria Boxus.(Archer).

GUINEA REPUBLIC: Radiodiffusion Nationale 4900 f/d prepared cd. w/ a p/d * handwritten ltr. in 33 ds. for a FR rpt., ms. and 2 IRCs. v/s Yaoussou Diaby, Journaliste Sportif. This was my first QSL over 20 years of trying! (Davis-NM). 4900 and 15311.1 p/d personal ltr. in 3 mo. on my 3rd attempt. Very glad to get this one.(Palmerheim-MN).

GUYANA: Guyana Broadcasting Company 5950 personal ltr. in 24 ds.(Eckman-CA).

HOLLAND: Radio Nederland 21685 via Flevo f/d cd. in 50 ds. for 1 IRC.(Hazzard).

HONG KONG: Radio Television Hong Kong 3940 f/d prepared cd. w/ a personal ltr. * and station stickers in 112 ds. for \$1.00. v/s Tony Baynes, Head of Radio 3. This was after a f/up rpt.(Archer-NC).

HUNGARY: Radio Budapest 9835 f/d cd. in 28 ds.(Hazzard-PA).

ICELAND: Iceland State Broadcasting System 11890 f/d cd. in 2 mo.(Barto-CT).

INDIA: All India Radio 4860 via Delhi f/d "Golden Temple at Amristar" cd. w/ schedule in 2 mo. (Barto-CT).

IRAQ: Radio Baghdad International n/d folder cd. w/ absolutely no indication of my reception - wonder which one it was for? (Bryant-OK). (Hazzard-PA).

ISRAEL: Kol Israel 9435 f/d cd. in 27 ds.(Rugg-QUE). 11605 f/d cd. w/ schedule in 29 ds.

ITALY: Adventist World Radio 7257.5 via Forli f/d cd. w/ stickers in 2½ mo. v/s Gerline Cirillo, Secretary of AWR Forli.(Barto-CT). (Hazzard-PA).

JAPAN: Radio Japan 6120 (should be via Sackville - CANADA) n/d cd. w/ schedule in 19 ds.

AVA: RRI Semarang 3934.9 f/d ltr. in 7 wks. for an IN rpt. Sent ltr. which gave names and addresses of 8 other reporters mostly in Japan and Europe. v/s Drs. Poerwadi, Kepala Stas-iun.(Barto-CT). RKPD/2 Blitar 4086.7 f/d prepared cd. w/ personal ltr. via registered mail in 41 ds. for an IN rpt. 225 watts!(Bryant).

KAZAKH SSR: Radio Moscow 9610 via Alma Ata f/d "Bolshoi Theatre" cd. in 41 ds. for 1 IRC. (Wilkins-CO).

KIRIBATI: Radio Kiribati 14802 f/d "Racing Canoe in Action" cd. in 36 ds. for ms.(Field-PA).

KUWAIT: Radio Kuwait 15505 package was opened, card missing, taped studio narration and music cassette was rcvd. plus the last 4 issues of the Kuwait Digest.(Field-PA).

LEGAL DEFENSE AND
REPAIR FUND BENEFIT FOR

THE RADIO PIRATES

STARRING KONK

THE RAUNCH HANDS
JOE HENRY • IVAN JULIAN
SECRET SERVICE
THE DEANS OF DISCIPLINE

HOSTED BY THE

SPACATS

via Sgrulletta
PLUS SHARKEY'S MACHINE,
SEA MONSTER,
THE ASTORIANS, CRYIN' OUT LOUD, IDLE RICH,
THE KOLLMORGENS, EARLY WARNING
AND MANY, MANY MORE
SPECIAL SURPRISE GUESTS!

CBGB'S (BLEECKER AND BOWERY) OCTOBER 27

QSL

You have spent a lot of time and effort on your QSL collection, but what will happen to it if you leave the listening hobby or pass away? If it is like many collections it will probably be lost or discarded. The Committee To Preserve Radio Verifications — a committee of The Association of North American Radio Clubs — will preserve this valuable material for future hobbyists to enjoy and appreciate. For information, send an SASE

Committee To Preserve Radio Verifications
Jerry Berg, Chairperson
38 Eastern Avenue
Lexington, MA 02173
U.S.A.



Mr. RICHARD A.D'ANGELO
2216 Burkey Drive
Myonissing, PA 19610
UNITED STATES OF AMERICA.-

WE CONFIRM YOUR CORRECT RECEPTION REPORT ABOUT
OUR STATION LRA1 RADIO NACIONAL BUENOS AIRES, ON
6,060 KHZ, THE JUNE 18th 1988, AT 0813-0902 UTC
TIMES.

With the best 73s,

01.07.1988



LESSER SUNDAS: RKPDT2 Sumbawa 3774.8 f/d

* prepared cd. in 24 ds. after a f/up rpt. in IN for ms.v/s Drs. Syahrudin Ahmad, Pimpinan.(Bryant-OK).

MALI: Radio Beijing 9770 via Bamako f/d cd. w/ site and schedule in 22 ds. (Wakisaka-MD).

MARSHALL ISLANDS: WSZO 4940 p/d form ltr. in 136 ds.(Willis-KY).

MAURITANIA: ORTM 4845 p/d ltr. in 60 ds. after a f/up rpt. in FR for \$1.00. v/s Lemrabott Ouid Boukhary.(Wilkins-CO).

MEXICO: Radio La Hora Exacta XEQK 9555 p/d ltr. * in 4 mo. after a f/up rpt. in SP and ms. This was for a 1984 reception. v/s Lic. R. Humberto Estevane Torres, Gerente.(Lobdell). XEUM La Voz de Veracruz/Radio Nucleo Oro 6020 p/d ltr. w/ 70 stamps on the cover in

162 ds. after a f/up rpt. in SP w/ ms. Schedule and plastic pennant was rcvd. v/s Ing. Baltazar Pazos de la Torre, Director General.(Allen-OK). p/d ltr. in 802 ds. for a SP rpt. and ms. Pennant rcvd.(George-NC). ltr., schedule and pennant in 78 ds. for a SP rpt. and \$1.00.(Eckman-CA).p/d ltr. in 1 mo. for a SP rpt. and \$1.00. This was after 3 attempts. Pennant rcvd.(Palmerheim-MN).Radio Mexico Internacional XERMX 17765 f/d cd. w/ stickers and schedule in 172 ds. for a SP rpt. and 1 IRC.v/s Lic. Beatriz Villa Medina Garcia, Gerente: Onda Corta.(Rugg-QUE). Radio Huayacocotla 2390 f/d ltr. w/ a hand drawn regional map of the area in 132 ds. for a SP rpt. and ms. v/s Elvia Sanchez Alvarez.(Willis-KY).

NEW ZEALAND: Radio New Zealand International 9540 f/d "Rugby" cd. in 20 ds. for a taped rpt. and 4 IRCs. (Washburn-ME).

NIGER: La Voix du Sahel/ORIN 5020f/d "Map" cd. in 2 1/2 mo. for a FR rpt. and 2 IRCs.Rcvd. a personal ltr. w/ apology for the delay and a request for porno magazines and a photo of girlfriend.(Eckert-PA)... Sure takes some weird stuff to get a QSL today!...Sam.

OMAN: Radio Oman 17735 via Thumrait and 9735 via Seeb f/d cds. in 2 mo.(Barto-CT).

RIO MUNI: Radio Africa 9555 f/d cd. in 10 ds. for a rpt. sent to the CA. address w/ ms.(Washburn-ME).

PAKISTAN: Radio Pakistan 17660 p/d "National Broadcasting House" cd. w/ schedule in 42 ds.(D'Angelo-PA).

PAPUA NEW GUINEA: NBC 4890 via Port Moresby f/d "Logo" cd. in 3 mo. v/s Timothy Dickson, Engineering Division.(Rubin). Radio Central 3290 n/d ltr. in 3 wks. for ms. v/s K. Vila, Station Manager. This was after 3 f/up rpts.(Allen-OK). in 25 ds. after a f/up rpt. w/ 2 IRCs. v/s Mrs. S. Willie.(Wilkins-CO). Radio Gulf 3245 f/d prepared cd. w/ personal ltr. in 144 ds. for \$1.00. v/s Mark Auhova, Manager.(Archer-NC). Radio Southern Highlands 3275 f/d prepared cd. w/ personal ltr. and an "NBC Map" cd. in 112 ds. for ms. v/s Jack Bata, Station Manager.(Archer-NC).

PERU: Radio Union 6115 p/d cd. in 82 ds. for a SP rpt. and ms. v/s Gonzalez Iwasaki Sanchez Gerente.(D'Angelo-PA).

PHILIPPINES: VOA 9760 f/d cd. in 5 ds.(Washburn-ME).

PORTUGAL: Radio Free Afghanistan 9555 via Gloria and RFE/RL p/d cd. in 4 mo.(Barto-CT).

SAIPAN: KFBS 9575, 9465, 9830 and 12025 f/d cd. in 19 ds. for ms.(Eckman-CA).

KYOI 11900 n/d "WCNS" cd. in 3 mo. for ms.(Wallace-MA).

SICILY: RAI Caltanissetta 7175 f/d cd. in 83 ds. via Roma for \$1.00.(Bryant-OK).

SOLOMON ISLANDS: STBC 9545 f/d cd. in 23 ds. for 3 IRCs. v/s G. Richardson. (Weber-OH). f/d :Logo" cd. in 16 ds. (Rubin-NY).

SOUTH AFRICA: Radio Suid Afrika 7230 personal ltr. w/ pen and sticker in 57 ds. for ms.(Eckman-CA).

SPANISH MOROCCO: Radio Medi One 9575 via Nador f/d cd. w/ sticker in 42 ds.(Bryant-OK).

SRI LANKA: VOA 15250 via Colombo f/d cd. in 7 ds.(Weber-OH).



THE VOICE OF THE PEOPLE OF KAMPUCHEA
PHNOM PENH - KAMPUCHEA

PEOPLE'S REPUBLIC OF KAMPUCHEA
INDEPENDENCE-PEACE-FREEDOM-HAPPINESS

TO Mr. Dr. Harold Cones.
U.S.A.

We acknowledge that your reception report
dated September 0, 1984 21:14:44 - 13:18 GMT
on 11.960 khz or _____ meter band fully corresponds
with our station log. Your further reception reports with
remarks or suggestions to our programs would be highly
appreciated

With all our best wishes



SULAWESI: RPDT2 Poso p/d personal ltr. from Joseph * Tenagari, Kepala Studio. This was for B2 and 83 receptions. (Sams). **RRI Manado** 3215 personal ltr. in 1 mo. for an IN rpt. and ms. v/s Daniel Narande, Kepala. Photo was rcvd. (Sams).

SUMATRA: **RRI Palembang** 4855 ltr. w/ prepared cd. in 198 ds. after a f/up rpt. in IN for an SASE. v/s Drs. Abdul Rochim. Addr: Jalan Radio 2, Palembang. (Darling-PNG). 4855.8 f/d "Traditional House" cd. in 67 ds. for an IN rpt. and \$1.00. (Bryant-OK).

SWEDEN: **Radio Sweden International** 17840 (USB) f/d "Anniversary" cd. in 14 ds. v/s Claude Seephenson. (Weber-OH).

SWITZERLAND: **Swiss Radio International** 9885 f/d "Letter Box at Saint Paul's Gate" cd. in 34 ds. (Levison-PA).

* **Radio Suisse Romande** 12030 via **Beromunster** and 9535 via **Lenk** p/d ltr. w/ several different stickers in 5 wks. (Barto-CT). **Red Cross Broadcasting Service** 9560 via **Schwarzenburg** 9560 and 17830 f/d cd. w/ sticker in 66 ds. (Darling-PNG).

TAHITI: **Radio Tahiti** 11825 f/d "Butterfly" cd. w/ coverage map and schedule in 42 ds. for a FR rpt., tape and ms.

TAIWAN: **Voice of Asia** 5980 and 7445 f/d (Washburn-ME). cd. in 45 ds. (Eckman-CA).

TURKEY: **Voice of Turkey** 9445 f/d cd. in 67 ds. w/ pennant for \$1.00. (Hazzard-PA). f/d "Saint Nicholas at Demre" cd. in 2 mo. for 1 IRC. (Zobro-MI).

UKRAINIAN SSR: **Radio Moscow** 9710 via **Simferopol** f/d "Railway" cd. in 39 ds. (Archer-NC). 17645 via **Starobelsk** f/d cd. in 6 wks.

cd. in 40 ds. (Hazzard-PA). 9665 via **Ivano-Frankovsk** f/d "Bolshoi Theatre" cd. in 6 wks. (Allen-OK). 9610 via **Lvov** f/d "Krylatskoye Rowing" cd. in 2 1/2 mo. (Foell-LA). f/d cd. w/ rpt. form in 56 ds. (D'Angelo-PA). 9765 f/d "School Poster" cd. in 39 ds. (Archer-NC). 11750 same cd. in 39 ds. (Archer-NC).

UNITED ARAB EMIRATES: **UAE Radio and TV Dubai** 17865 f/d "Great Circle Map centered on Dubai" cd. w/ pennant in 50 ds. v/s K.F. Fenner. (Zobro-MI).

URUGUAY: **Radio El Espectador** 11835 f/d cd. w/ a large vinyl pennant for a SP rpt. and \$1.00. v/s Hugo Magnani Dupetit, Director. (Bryant).

USA: **KVOH** 17775 f/d sticker w/ fact sheet in 120 ds. for ms. (Wakisaka-MD). f/d "Control Room at High Adventures Radio" cd. w/ sticker and schedule in 118 ds. (Zobro-MI). f/d cd. in 3 1/2 wks. (Foell-LA). **WINB** 15145 f/d cd. in 29 ds. for ms. (Wakisaka-MD). **Voice of the OAS** 11830 via **Bethany** f/d plain cd. w/ sheet data on the OAS in 5 ds. (Wakisaka-MD). **WCSN** 9852.5 n/d response cd. w/ information on WCSN in 65

QSL

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Издательство «Аврора», Ленинград, 1962

To Lowland Archer
We are pleased to verify your reception report of Latvian Radio Riga broadcast on 50.5 m 5345 kHz at 21.00 GMT on 27-02-84

Mailbag Editor R. Hoff
Latvian Radio Riga
Box 266,

p.s. the tone level was good.

11/90



GOVERNMENT OF INDIA
ALL INDIA RADIO
EXTERNAL SERVICES DIVISION
Post Box 500, NEW DELHI, INDIA

Dear Sir/Madam,
We gratefully acknowledge your Reception Report and confirm your listening to our service on 24.1.88 on 7860 KHZ at 12.31 12.47 Hrs./GMT.

Yours faithfully,

Raj

Audience Research Officer
for Director of External Services

ds. for ms. (Wakisaka-MD). **WRNO** 6185 "Worldwide DX Club Member" cd. in 50 ds. for ms. (Wakisaka-MD). **Radio Marti** 9525 via **Bethany** f/d "Jose Marti" cd. w/ ltr. from Fred Rathert, Director of Technical Operations in 37 ds. (Wakisaka-MD). **KUSW** 11695 f/d "Logo" cd. w/ sticker and fact sheet in 36 ds. for ms. v/s Faith Martin. (Wakisaka-MD). **Voice of Free China** 5980 via **WYFR** f/d cd., w/ sticker and schedule in 38 ds. (Wakisaka-MD). f/d cd. in 39 ds. w/ schedule and sticker. (Levison-PA). f/d cd. w/ sticker in 24 ds. (Levison-PA). **VOA** 9775 via **Greenville** f/d "Bicentennial" cd. in 2 wks. (Foell-LA).

USA (Pirate): **KROK** 1622 f/d green "Logo" cd. in 5 mo. for SASE. Postmark was North Suburban, IL (Sgrulletta-NY). **Radio New York International - M/V Sarah** 1620 and 6240 f/d ltr. #15 in 6 mo. for SASE. (Sgrulletta-NY).

USSR: **Radio Station Peace and Progress** 11655 and 17645 "Globe" cd. w/ schedule in 45 ds. (Eckman).



UZBEK: Radio Tashkent 11785, 9600, 9540 and 5945 f/d cds. in 3 mo. (Barto-CT).

VATICAN: Radio Vatican 9605 f/d "Palazzina Leo XIII" cd. in 73 ds. (Zobro-MI).

VENEZUELA: YVKX Radio Capital 4850 f/d cd. in 156 ds. for a SP rpt. and ms. (Rugg-QUE). Radio Tachira 4830 ltr. in 135 ds. for a SP rpt. and 2 IRCs. v/s Eleazar Silva M., Coordinator General. (Wakisaka-MD).

VIETNAM, SOCIALIST REPUBLIC OF: Voice of Vietnam 15010 f/d cd. in 121 ds. (Archer-NC).

WEST IRIAN: RRI Serui 4607 p/d ltr. in 77 ds. after a f/up * rpt. in IN for ms. v/s Agust Raunsai, Kepala Seksi Siaran. (Paszkiwicz-WI). f/d prepared cd. w/ f/d personal ltr. in 179 ds. for an IN rpt., ms and SAE (not used). Prepared cd. was signed by Drs. Jasran Abubakar. (Archer-NC). personal ltr. in 3 wks. for an IN rpt. and ms. Photo of v/s was rcvd. (Sams). RRI Wamena 4871 ltr. in 1 mo. for an IN rpt. and ms. v/s Yoswa Kumurawak. He enclosed a photo of himself and the transmitter. (Sams).

* RRI Manokwari 3987 personal ltr. in 7 wks. for an IN rpt. and ms. Photo was rcvd. of a local dance group. (Sams). RRI Fak Fak 4790 personal ltr. in 2 mo. for an IN rpt. and ms. v/s Aloys Nyotra, Kepala Seksi Siaran. (Sams). * RRI Nabire 5055 personal ltr. in 3 wks. for an IN rpt. and ms. Photo was rcvd. of the v/s and his wife. (Sams). RRI Biak 7212 ltr. in EG from Muchtar Yashupatera in 3 wks. for an IN rpt. and ms. (Sams)....Mitch, did you go out and purchase a new photo album after receiving all of these photos?...Sam.



I guess that wraps it up for another month. Although postage is getting much more expensive, the quantity and quality of the QSLs is still there. It takes a dedicated group of DXers to stay with this hobby especially the QSL aspect.

Till next time.....

Sam



Date: 1-7-88

MR. ROWLAND ARCHER, WPE2QFG,
5524 HAWTHURNE PARK,
RALEIGH, NC 27612,
U.S.A.

Dear Sir,

RE - RECEPTION REPORT.

In reference to your letter of 17th March 1988, regarding the above subject:-

Thank you very much for your reception report which confirms that you did pick up our transmission signal on the 17th March 1988 between, 2019-2046 hrs. PNG Local time and 11.19-11.46 GMT/UTC your local time.



FRENEX LOG REPORTERS

Distributing Editor: John Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545

Greetings and welcome to the October 1988 Contributors Page. The following folks helped make this issue of FRENEX possible:

- Brian ALEXANDER, Mechanicsburg, PA
 - Rowland ARCHER, Raleigh, NC
 - Kevin ATKINS, Pinson, AL: Collins R390A; Icom R70
 - Ray BAUERNHUBER, Rosedale, NY
 - Paul BUER, Miami, FL: Drake SPR4/FS4
 - Russ CONTE, Athens, OH: Sanguan ATS 803A
 - Richard D'ANGELO, Wyomissing, PA
 - Marlin FIELD, Hillsdale, IL: Drake SPR4
 - Rufus JORDAN, Pittsburgh, PA
 - Joe KREMER, South Bend, IN: Hammarlund HQ180A
 - Tom LASKOWSKI, South Bend, IN: Sony ICF 2010
 - Don MOORE, Athens, OH: Yaesu FRG7, Panasonic ICF 7600D
 - Chuck RIPPEL, Virginia Beach, VA: JRC NRD525; Icom 761
 - Dan SHEEDY, Encinitas, CA: Icom F70
 - David SNYDER, Staten Island, NY
 - David SWARINGEN, Huntersville, NC: Kenwood R-5000
 - Ron TROTTO, St. Cloud, FL
 - Terry WEINHOLD, Denver, PA: Yaesu FT-ONE
 - Dr. Richard WOOD, Hilo, HI: Kenwood R-1000
- and me, John M. KAPINOS, Shrewsbury, MA: Kenwood R-5000 eagerly monitoring the CHU DX Club Program on 3330 kHz with a tall Beefeater and 7-UP. Tonic is out of the question, as is known to some.

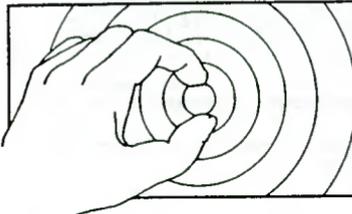
A big tip of kap's kap to John Henault, who so ably handled this position for nearly 4 years. Some folks might remember that John took over from me when I assumed the NASWA Awards Chairman position. John would like to lett his friends know that his recuperation is progressing slowly but surely.

All contributions are greatly appreciated, be they large or small. Remember, your "common catch" might be someone else's DX. While we like to have submissions cut into strips, I assure you that the NASWA SWAT teams will not visit those who don't.

Now to get kap's kat out of the ceiling, yes, you read correctly.

Till next month

BEST
JP 9/13/88



LOG REPORT

section A

2000 to 4899 kHz

Editor: Mike Harris, P.O. Box 294, Pickerington, OH 43147

A better than usual turn-out this month with a few "new" contributors. Lets get to it.....

- 2410 PAPUA NEW GUINEA. R. Enga. 1035-1046. Long talk in lang not Pidgin by OM until 1046 fade out. (8/9 Rippel-VA)
- 3220 PAPUA NEW GUINEA. R. Morobe. 1100-1104. ID, Music. (8/9 Rippel-VA)
- 3235 PAPUA NEW GUINEA. R. West New Britain. 1103-1115. Phone-in pgm w/ island music and some "Dire Straits" tunes. (2/9 Archer-NC)
- 3275 VENEZUELA. R. Mara. 0958. Just missed NA, opening anmts, ID and review of the news. (10/8 Sheedy-CA)
- 3290 SOUTHWEST AFRICA. R. SWA. 2355. EE. EZL music. (2/8 Trotto-FL)
- 3305 PAPUA NEW GUINEA. R. Western. Island music. (8/9 Rippel-VA); @ 1132-1142 w/ NBC ID. (5/9 Atkins-AL)
- 3310 BOLIVIA. R. San Miguel. 0940-1011. Guitar mx, ID. (30/8 Moore-OH); @ 1004 w/ ballads, ID. (1/8 Trotto-FL)
- 3335 PAPUA NEW GUINEA. R. East Sepik. 1050-1055. Talk. Good signal w/ other PNG's heard on 3220,3235,3260,3290,3365,3375 & 3385. (4/9 Moore-OH)
- 3340 PERU. R. Altura. 1008-1015. ID, Andean vocals. (17/8 Atkins-AL)
- 3345 PAPUA NEW GUINEA. R. Northern. 1100. Better than Ternate w/ drums at 1100, peak at 1130 w/ pops, talk. (25/8 Atkins-AL)
- 3360 GUATEMALA. LV de Nahuala. 0058. SS. Ranchero mx. (1/8 Trotto-FL)
- 3365 PAPUA NEW GUINEA. R. Milne Bay. 1035-1115. ID, news. Not heard at all last year but now almost daily. (5/9 Archer-NC); @ 1055 w/ drums, EE news. (18/8 Atkins-AL)
- 3366 GHANA. GBC-2. 0605-0616. World/local news //4915. (16/8 Sheedy-CA)
- 3370 GUATEMALA. R. Tezulutlan. 0032-0107. OM w/ religious talk, using bits of "El Condor Pasa", the "Lone Ranger" theme. Anmts and ID @ 0106. There was a soccer game weakly in the background, but it seemed to fade up and down with the station, I suspect that it was not another station but that it was the anncr listening to it in the studio. (4/9 Moore-OH)
- 4300 PERU. R. Moderna. 1036-1056. Nice flute mx. (2/9 Archer-NC)
- 4418 PERU. R. Frecuencia Lider. 0307-0401. MX and REVERB!!! (29/8 Archer)
- 4607 INDONESIA. RRI Serui. 1055-1100. Music, Jakarta news at 1100. Several other interesting potential Indo carriers heard around the same time frame, as well as some PNG's such as New Ireland and Pt. Moresby. (15/8 Archer-NC)
- 4753 INDONESIA. RRI Ujung Pandang. 1101-1105. Talk. (15/8 Archer-NC)
- 4755 COLOMBIA. CARACOL. 0259-0331. ID //4945, news,talk. (22/8 D'Angelo); @ 0855 w/ talk and music. (30/7 Trotto-FL)
- 4760 ECUADOR. R. Atalaya. 0459-0530. Talks, ID and some flute music. Fair to marginal signal. (6/8 Jordan-PA)
- SWAZILAND. TWR. 0402-0407. Religious music. (29/8 Moore-OH)
- 4770 NIGERIA. RN. 0528. ID, news. (12/8 Snyder-NY)
- VENEZUELA. R. Mundial Bolivar. 2350-0020. Latin vocals, TC's, ID's, News followed by more mx. (21/8 D'Angelo-PA)
- 4800 GUATEMALA. R. Buenas Nuevas. 0045. ID,talk,music. (15/8 Trotto-FL)

- 4805 BRASIL. RD do Amazonas. 0053-0205. ID, talk, followed by vocals, some RTTY ARM. (26/8 D'Angelo-PA)-according to last Friday's Wall Street Journal, Rio is broke, with no money to pay any of it's employees and unable to maintain any services--did Cleveland's ex-mayor go to Rio for a job????-ed.
- 4810 PERU. R. San Martin. 0530-0610. Up-tempo LA music. (4/9 Alexander-PA)
- 4815 BRASIL. RN. 0110-0137. Folk music. (4/9 Moore-OH)
- COLOMBIA. R. Guatapuri. 0130. Talk and ID's. (30/8 Laskowski-IN)
- 4820 PERU. R. Atahualpa. 0945-0950. ID's, music. (27/8 Archer-NC)
- 4825 BRASIL. R. Educadora. 0858-0915. ID by YL, music. (4/9 Moore-OH)
- 4845 GUATEMALA. R. Kekchi. 0110-0132. Annrc reading listeners letters, ments. of 15 Sept, TGDC ID. (5/9 Moore-OH)
- 4852 ECUADOR. Luz y Vida. 0320-0350. Local music. (31/8 Jordan-PA)
- 4865 COLOMBIA. LV del Cinaruco. 0450-0500. LA music, ID. (28/8 Alexander)
- 4870 ECUADOR. R. Rio Amazonas. 0200. Talk, little mx. (30/8 Laskowski-IN)
- 4885 BRASIL. R. Clube do Para. 0335-0404. Long fast talks with ad's, some anmte. (24/8 D'Angelo-PA)
- KENYA. VOK. 1555. ID in Somali. (8/9 Wood-HI)
- 4890 PAPUA NEW GUINEA. NBC. 1100-1110. News by YL, ID followed by some instrumental music. (17/8 D'Angelo-PA)
- SENEGAL. ORT. 0650-0705. FF. News w/ment of Gabon, Mali, followed by talk and some music. (5/8 Jordan-PA); @ 2325-0030 w/ talks and vocals and S/off at 0030. (18/8 D'Angelo-PA)
- 4895 BRASIL. R. Bare. 0200-0230. Fast talking OM, some music, then into sports coverage. (28/8 Jordan-PA)
- COLOMBIA. LV del Rio Arauca. 0318-0403. Latin vocals with local ID and choral NA at S/off. (7/8 D'Angelo-PA)

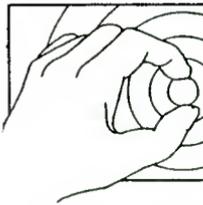
STATIONS IN TIME ORDER

0032 Tezulutlan, GUATEMALA	0650 ORT, SENEGAL
0045 Buenas Nuevas, GUATEMALA	0858 Educadora, BRASIL
0053 RD Amazonas, BRASIL	0940 San Miguel, BOLIVIA
0058 LV Nahuala, GUATEMALA	0945 Atahualpa, PERU
0110 Nacional, BRASIL	0958 Mara, VENEZUELA
0110 Kechi, GUATEMALA	1008 Altura, PERU
0130 Guatapuri, COLOMBIA	1035 Enga, PNG
0200 Bare, BRASIL	1035 Milne Bay, PNG
0259 CARACOL, COLOMBIA	1036 Moderna, PERU
0200 Rio Amazonas, ECUADOR	1055 RRI Serui, INDONESIA
0307 Fren. Lider, PERU	1100 Morobe, PNG
0318 LV Rio Arauca, COLOMBIA	1100 NBC, PNG
0320 Luz y Vida, ECUADOR	1100 Northern, PNG
0402 TWR, SW AFRICA	1101 RRI Ujung Pandang, INDONESIA
0450 LV Cinaruco, COLOMBIA	1103 West New Britain, PNG
0459 Atalaya, ECUADOR	1132 Western, PNG
0528 RN, NIGERIA	1555 VOK, KENYA
0530 San Martin, PERU	2350 Mundial Bolivar, VENEZUELA
0605 GBC-2, GHANA	2350 SW AFRICA, SOUTHWEST AFRICA

Once again I'm trying an experiment in putting the logging information in time order. If there are no major objections I will continue this for the time being. About 10 log reports were not printed this month because either they were lacking the date/time/frequency, or they were lacking sufficient detail. All of us in NASWA are trying to improve OUR publication. Most of that work starts with YOU THE CONTRIBUTORS. If you send us QUALITY material, we can put together a QUALITY publication, otherwise it's junk in-junk out.

Until next month 73 and good DXing.....

mike -



LOG REPORT

section B

4900 to 6199 kHz

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

A whole month has gone by so far? Thank you very much for all the kind comments several of you have sent! Here we go. . .

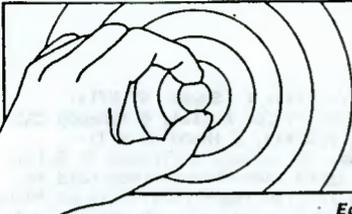
- 4910.4 HONDURAS, LV de la Mosquitia, 0231-0302* on 9/04. End of EG rel pgm. Into SP 0233 w/tlk & lcl rel mx. Abrupt s/off. (Alexander-PA)
- 4915 COLOMBIA, Armonias del Caqueta, 1022-1027 9/04. Presumed this w/tlk abt Afr. Evangelism, UTC-5 TC, into "la musica de Colombia." Good (Moore-OH)
- 4915 GHANA, GBC, 0535 8/12. "You are tuned to Radio 1 of the Ghana Ec. Corp. Time is 5:35," Afr mx. (Snyder-NY) 0603 8/22. Nx, "This edition of home news is coming to you from the GBC-Accra" (Kremer-IN) 2246-2304* 8/28. Nx, ID, kids vocals, choirs, rel tlk, s/off annmcs, SIO=3+53. (D'Angelo-PA) 2250 9/02. Nx, hilife mx, ID, prayer, lcl TC, ID, chorus to 2301* (Van Horn-FL)
- 4920 ECUADOR, R. Quito, 0025-0050 9/06. Instls, ID, FC 0033, 0046, harp mx precedes & follows ID (Kremer-IN) 0445 9/03. Ad for "Banco Central del Ecuador," ment. Quito basketball & soccer. (Swaringen-NC) 0451 8/19. Tx Archer tip, back on 4920.0 from 4920.4, "supermercado de llantas," other ads, nx/sports promo, ID 0503 (Sheedy-CA)
- 4927 SUMATRA, RRI Jambi, 1116-1144* 8/17. Qur'an, trad. Indo mx w/ Islamic flavor, ID 1129, "Radio Republik Indonesia stasiun Jambi" Chime IS, 1130 site id, nx. Abrupt 1144*, 1200 recheck--back w/ Jakarta relay. Weak but clear. (Allen-OK) Good log, Kirkl-sp.
- 4930 TURKMEN SSR, Ashkabad, 0020 8/26. Site presumed, lite mx, Mayak TS 0028, Tlk by M. (Alexander-PA)
- 4932 CHINA, Re Schulze's unid last issue, Penaud & Alm via SWB via DXLD 22 rpt this is poss. spur from Yunnan PBS. Noted here last yr once or twice 1200-1300. (Allen-OK) Tnx, Kirkl-sp.
- 4934 KENYA, Voice of Kenya, 1600, 9/08. EG world nx, good. (Wood-HI)
- 4935v PERU, R. Tropical, 0200-0230, 0330-0402* 8/28. 50's rock mx, LA pop mx, ads, annmcs, weak & noisy. (Jordan-PA) 1000 8/10. Sev. long ballads, "Radio Tropical de Tarapoto," nice sig. (Laskowski-IN)
- 4940 COTE D'IVOIRE, RDTV Ivoirienne, 2330 9/03. FR pops, tlk, closing ID, choral NA to 0000* & //7215, SIO=333. (Van Horn-FL)
- 4953 PERU, R. Madre de Dios, 1047-1055 8/23. OA NA, ID & FC. Anncd FM call & freq but not clr; lost to QRM. (Allen-OK)
- 4970 VENEZUELA, R. Rumbos, 0336+ 8/14. SP tlk, ID by M. SIO=555. (Snyder-NY)
- 4975 BRAZIL, R. Timbira, 0814-0824, 8/29. Trop. mx w/OM IDs, Ads w/ ment. of Maranhao. Good. (Conte & Moore-OH)
- 4990.7 PERU, R. Ancash, 0530-0537* 9/03. Weak w/OA mx, Happy B'day song, IDs, s/off w/short NA (Alexander-PA)
- 4991 PERU, R. Ancash, 0315-0404 9/04. 10-12 min. mx blocks, lcl Indian mx, some upbeat tunes, DJ chatter, song intros & IDs. (Jordan-PA)
- 5003.7 RIO MUNI, RN Guinea Ecuatorial-Bata, 0510-0523 8/16. Hilife mx, ID 0515, SP ed. pgm on agriculture, etc, mx 0523. (Sheedy-CA) 2145-2203* 8/28. Tlk by W, lcl Afr. mx, s/off, NA (Alexander-PA)
- 5020 SOLOMON ISLANDS, SIBC, 0930-0950, 8/20. EG/PD tlk abt politics, pop mx, ID & RA nx 1000. Fair (Atkins-AL) Congrats on Zambia QSL-sp. 1044-1130 8/24. Rock mx, 1059 ID, FC, nx, 1113 ads, some QSB, 1115 island mx, off 1130. (Snyder-NY)
- 5025 BRAZIL, unid, 0800+ 9/05. Mx pgm, lots of yak, poor sig. (FieId-MI) See below. Maybe them-sp.
- 5025 BRAZIL, R. Jornal da Transamazonica, 0824-0828 8/29. Folk mx & ID. (Conte & Moore-OH)
- 5025 CUBA, R. Rebelde, 0133 9/04. SP ballads, Sunday nite mx pgm, ID & SP pops. SIO=433. (Van Horn-FL)
- 5026t HENIN, Parakou, 0545-0605, 8/16. Long, boring yak in FR, lcl mx 0548, tlkg drums & annmcs 0558, poss. canned ID 0601. (Sheedy-CA)
- 5030 COSTA RICA, R. Impacto, 0110 9/04. Latin vocals, "Impacto voice-overs, promo, TC, ballads, SIO=434. (Van Horn-FL)

- 5034 CENTRAL AFRICAN REPUBLIC, RTV Centafricaine, 2258, 8/23. closing ID, martial NA to 2300*. SIO=322. (Van Horn-FL)
- 5040.1 ECUADOR, LV del Upano, 0350-0423* 8/28. Mx, annmets, ID. S/off w/NA, annmets, ID, short fanfare. That they wd never s/off! (Alexander-PA) Brian notes they were //5964.4.
- 5045 BRAZIL, R. Cult. do Para, 0356+ 8/14. ID by M, PT mx by W. SIO=545. (Snyder-NY)
- 5047 TOGO, R. Togo, 2340 9/02. Vocals, ID & QTH, FC, martial NA to 0002*. SIO=323. (Van Horn-FL)
- 5055 COSTA RICA, Faro del Caribe, 0614, 9/08. SP prayer, ID, good. (Wood-HI)
- 5055.4t IRIAN JAYA, RRI Nabire, 1155, 9/05. Lagu pop, tlk, distorted audio, checked for //, found w/Biak 5500.9 to 1212 w/Jak nx relay, back to lcl pgm, annmct garbled B4 SCI 1159. (Atkins-AL)
- 5060 ECUADOR, logging here from last month should've been RN Progreso, not Emis. Atalaya. (Schulze-FRG)
- 5060.4 ECUADOR, RN Progreso, 0215-0307* 8/27. IA mx, ads, echo annmets, ID, s/off w/NA. (Alexander-PA) Unid, 0255 9/07. Mx, sounded like Ecuador, off 0300. Probably Progreso. (Field-MI) Probably-sp.
- 5255a UNID, 1119-1124 9/04. Koran, very poor. Indo? (Moore-OH)
- 5500.9 IRIAN JAYA, RRI Biak, 1127, 8/29. MOR, orch mx, ID by YL 1130, OM nx Headlines, lagu pop to 1145. Good. (Atkins-AL) Very gd-sp.
- 5567 COLOMBIA, R. Nueva Vida pres. 0115-0203* 8/29. Rel pgm, sev. "la palabra Dios," choral mx, closing annmets 0200, BIG reverb, "Atencion. . . en Cucuta, Colombia," then low audio, "Apartado Aereo 400, Cucuta, Colombia." Pretty much clinches ID but cd not dig out real ID thru mud & QRN. (Archer-NC)
- 5799.9 PERU, R. Nuevo Cajamarca, 0233, 8/29. Campo style mx, clr ID 0235, rapid tlk by M, folk OA mx, weak w/het from OC. (Allen-OK)
- 5925 UZBEK SSR, Tashkent, 2259 9/02. R. Moscow IS, clx mx, very weak. (Alexander-PA)
- 5930 CLANDESTINE, R. 15. Sept. 1104 8/09. End of nx, ment. Nicaragua, Sandinistas. ID by M, poss. interview. SIO=353. Also 1100 s/on 8/16. (D'Angelo-PA)
- 5955 GUATEMALA, R. Cultural, 0630 8/29. Late-nite mx. Zzzzz. Nice sig w/clr copy, 0644-"Con la musica de su agrado en estereo, R. Cultural. ." //3300. (Allen-OK)
- 5960 CANADA, RCI, 0030 8/28. SWL Digest, //9755, SIO=555. (Bauernhuber-NY)
- 5964.9 ECUADOR, LV del Upano, 1050 8/30. Big sig w/NA, ID. //5999.2 & 5040. Rel mx btwn tlks. (Allen-OK)
- 5985 USA, VOA-Delano, 1021, 8/13. "Communications World" abt WCVG, all-Elvis station Covington, KY. QRM from RA 5995, CBs. (Park-HI)
- 5995 AUSTRALIA, RA-Shepparton, 1730 8/14. "Communicator" DX pgm. //6060 but lcl QRN, fair sig. (Park-HI)
- 6005 WEST BERLIN, RIAS, 0328 9/03. Pop mx w/annmets in GG, ID 0330, polka & EZL mx, SIO=333. (Van Horn-FL) Not easy at this time--sp.
- 6010 BRAZIL, R. Inconfidencia, 2330 8/23. Potpourri of mx styles & OM anncrs. //15190. (Moore-OH)
- 6010 PHILIPPINES, R. Veritas, 1130 9/02. ID 1155 w/FC. Fanfare & off 1200. Much better on 11790. Presumed Korean. (Archer-NC)
- 6010.6 VENEZUELA, R. Los Andes, 1003*+ 8/28. Presumed w/NA, many ment. Venezuela, garbled IDs. QRM from Reloj. Careful of Peru here! (Allen-OK) 1014 9/04. Mx, ID, little tlk. (Alexander-PA)
- 6025 BOLIVIA, R. Illimani, 0936 9/05. Presumed w/OM in Indian lang. ment. "Instituto Boliviano," fanfare/celebration. (Moore-OH) 1004 8/26. "R. Illimani, La Voz de Bolivia" (D'Angelo-PA)
- 6030.2 CHILE, R. Santa Maria, 1052 8/26. Tlk. Chimes every 1-5 min. Poss. nx, sports, ID llll. No trace since. (Allen-OK) Nicel-sp.
- 6045.7 COLOMBIA, 0646 8/17. Pgm-"Mexico en Colombia" w/eclectic XE mx. "la cadena Melodia sigue con lo mejor de futbol profesional" "Melodia-la radio," etc. (Sheedy-CA)
- 6045.1t URUGUAY, 1030 8/23. Tent. R. Libertad Sport. Much yak, SP vocals but noisy! (Van Horn-FL) Sorry this slightly out of order-sp.
- 6050t BRAZIL, R. Guarani, 2315 8/23. Rapid tlk, Braz. pops. (VanHorn)
- 6050 ECUADOR, HCJB, 1030+ 8/14. Ment. "La Voz de Andes" (Snyder-NY)
- 6055 JAPAN, NSB Tokyo, 0847 8/15. Fair w/Beach Boys mx, camera ad, contest promo, quiz show. RCI is on Sundays. (Park-HI)
- 6060 ARGENTINA, R. Nacional, 0815-1000+ 8/06. Quiet, non-descript IA mx, nx/pips on hr, ID w/FC-given as 870, 6060, 9690 & FM (Sheedy)
- 6070 CANADA, CFRX, 0705 8/05. "The World Today." Billy Joel mx, discussions. (Jordan-PA)

- 6070 THAILAND, Bangkok, 1600 9/08. Thai s/off, orchestral NA, off 1601. Good. (Wood-HI) Wish I could get them but no chance w/CFRX--sp.
- 6075 USA, R. Marti, 1033+ 8/14. SP nx by W, ID, nx by M. SIO=555. (Snyder-NY)
- 6090.1 BRAZIL, R. Bandeirantes, 0845-0900, 9/03. PT tlk, Cuckoo clock, lcl folk mx. //9645, 11925. (Alexander-PA) 0920-0938 8/26. Lively pops, tlk, ID & ment. Sao Paulo 0930, over time pips; nx by OM w/ad string 0934. SIO=353 but fade. (D'Angelo-PA)
- 6090 LUXEMBOURG, R. Luxembourg, 0015 8/28. EG w/American pop mx. SIO=232. (Bauernhuber-NY)
- 6095 TANGIER, VOA-Tangier, 0620-0632 8/16. "VOA Tuesday Morning" w/ nx, cntry, 0630 ID. In EG, fair sig. (Sheedy-CA)
- 6100 NICARAGUA, Voice of Nic., 0535 9/02. Anti-US tlk, "Nicaragua Today," Ortega sends congrats to Libya on 19th anniv. of revolution. (Kremer-IN)
- 6116 COLOMBIA, LV del Llano, 0850-0912, 8/26. Lively Latin vocals to 0859 ment. of Colombia & Super Radio, LV del Llano ID, etc., nx. SIO=444. (D'Angelo-PA)
- 6120 BRAZIL, R. Globo, 2313-2332 8/23. Ministry of Education pgm. //17815, poor. (Moore-OH)
- 6145 WEST GERMANY, Deutsche Welle, 0100-0150. Nx in EG. (Weinhold-PA)
- 6150.2 COLOMBIA, Caracol, Bogota, 0633 8/16. Running //4755, 4945 w/net pgs, full ID & beer ad. Very good sig. (Sheedy-CA) 0645-0702 9/03. Caracol programming, many ment. Caracol & Bogota, ads, jingles, no lcl IDs. //4945, 4755. (Alexander-PA) 0850-0940, 8/23. Tnx tip from Dan Sheedy. Found here w/2nd xmtr. Pop mx medley, Caracol promos. Finally ID 0932, "Esta es Caracol, HJJR, 1010 kHz desde Neiva, Colombia. Emisor de la primera cadena radial Colombiano." Often relays Bogota but not today. //4945 but not //4755. (Allen-OK)
- 6165rf MEXICO, XEWV reactivated briefly on 8/02. SP nx 0700, //MW 900, good sig. (Wood-HI)
- 6170 COLOMBIA, LV de la Selva, 0915, 8/21. SP pops & ballads, canned ID w/city, FC & sked, promo, mx ads, TC. SIO=433. (Van Horn-FL)
- 6184.4t BOLIVIA, R. Batallon Colorados, 1041-1120, 9/09. Great Andean mx w/M low-key tlks. Tent. ID 1100, seemed like "R. Batallon" but vy poor copy w/slop both sides. Definite ment. of "oyentes. de la Paz." (Allen-OK)
- 6185 MEXICO, R. Educacion, 0700-0806* 9/03. Presumed this w/mariachi mx, W anncr. No ID tho. Abruptly pulled plug 0806. (Alexander-PA)

Some really good loggings this time. Thanks to those who sent loggings this time, either through Kap or directly to me. If you send your loggings to me, I'll still send your name to Kap for proper credit if there is time. Unfortunately, my liquid paper completely dried up halfway through this. Greetings to John Henault; hope you are getting better with each day.

TRADE US NAVY SHIPS CUT SQUARE POSTMARKS (SOME WITH OFFICIAL MAIL STAMPS) FROM CARRIERS TO SUBS 8 DIFFERENT (MY CHOICE) FOR 1 IRC AND SASE OR TRADE 150 MIXED PLUS SET OF OFFICIAL STAMPS 1¢-\$5.00 FOR HALLICRAFTERS S-120 IN GOOD CONDITION (I PAY UPS) OR? ALSO TRADE ISSUES OF QST MAG 55-67 MOSTLY COMPLETE YEARS FOR SW RECEIVERS OR? SASE FOR LIST. TOM MOONINGHAM, POB 487, MAUGANSVILLE, MD 21767-0487 OR 301-791-0834 AFTER 6PM.



LOG REPORT

section D

11700 and above

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

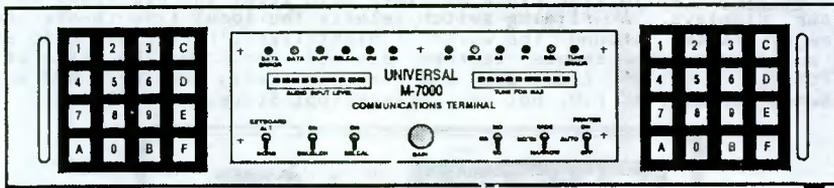
- 11700 ALASKA KNLS in EG 1945, 100 kw. beamed 270 deg fm Anchor Pt. (Shilling CA 9/19)
- 11715nf ALASKA KNLS in EG *0800, IS, ID, freqs, addr, relig pgm (Alexander PA 8/28)
- 11730nf FRENCH GUIANA R. Japan relay in JP 0200, ID in FR, tlk, //15350 (Laskowski IN) in JP 0157-0300, pips, nx, mx, female voice-over, tlks, vg (Jordan PA 8/7)
- 11735 NORWAY RNI in NO *0655, ID in EG/NO, nx, //15165, g (Wood HI 8/16)
- 11755 FINLAND RF in EG/FN *0555, ID at s/on, g (Wood HI 7/25) in EG 0240, elections in Pakistan, review of editorial opinion, FN architecture (Swaringen NC 9/3)
- 11775 ECUADOR HCJB Quito in EG 0635, ID, "DX Party Line" w/John Beck (Trotto FL 8/16)
- 11775nf IRAQ R. Baghdad in EG 0000, nx, ID 0006, f/o 0010, p (Bauernhuber NY 8/28)
- 11780 USSR R. Kiev in EG *1800-1830*, IS, ID, nx, features, mx (Jordan PA 9/3)
- 11805 PHILIPPINE IS. VOA relay in IN 2220, nx, mx, ID, features, p (Sheedy CA 8/19)
- 11840 PORTUGAL RPI in EG 0235, ID, freqs for EG xmsns, DX pgm, f (Trotto FL 8/13)
- 11845nf SOUTH AFRICA RSA in FR 0605-0625*, pop mx, ID, opera, IS, f-g (Sheedy CA 8/18)
- 11865 INDONESIA RRI Jakarta in IN *0700, IS, ID, nx, g (Wood HI 8/2) in IN 1058 w/IS "Song of the Coconut Islands", pips, ID, nx, instrum mx, f (D'Angelo PA 8/18)
- 11865 MALTA DW relay in SP 0200, IS, ID, Malta site ID hrd (Laskowski IN 8/11) in EG *0100-0150*, nx (Weinhold PA)
- 11900 NO. MARIANAS KYOI Saipan in EG 1134, ID, sked, ad, f (Snyder NY 8/17) in EG 0845 US pop mx, ID's, ads all w/Boston addresses (Alexander PA 9/4)
- 11905 TAIWAN CBS Pgm 3 in Mongolian 1025, fanfare, ID in CH, jammed (Sheedy CA 8/10)
- 11905 ITALY RAI in EG 0400, nx summary re African nations, mx (Swaringen NC 9/3)
- 11915 TAIWAN VOPC in Hakka 1100, chimes, NA, tlk, f-p w/co-chan QRM (Buer FL 8/20)
- 11915nf TAIWAN REE relay via Xian in SP 1150-1157*, nx, mx, ID, freqs (Buer FL 8/16)
- 11955 ANGOLA R. Nacional in PT 0600, Afro mx, ID, tlk, f/o 0611, f (Trotto FL 8/16)
- 11965nf UNITED ARAB EMIRATES R. Dubai in AR 0200, IS, NA, Qu'ran, g (Laskowski IN 8/11)
- 12025 NO. MARIANAS KFBS Saipan in Mandarin 0938, tlk, mx, ID in EG, f (Trotto FL 8/1)
- 12035 SPAIN REE in SP *0928, IS, ID, freqs, time pips 0930, nx, g (Trotto FL 8/1)
- 12085 SYRIA R. Damascus in EG 2019, AR mx, f (Snyder NY 8/14)
- 12830 VATICAN STATE VR in EG 2205, IS, ID, "The Church Today", QRM from CW sta, g ED: Is this a new off-beat freq or perhaps a spur?
- 13645 USSR R. Yerevan in SP *0228-0259*, IS, NA, freqs in EG 0300 (Swaringen NC 9/6)
- 13660 COSTA RICA R. for Peace Intl in EG 0110, "World of Radio", off at 0130, f (Alexander PA 9/3) ED: Last month I mistyped the freq as 13360 for this one.
- 13685nf SWITZERLAND SRI in EG 0830, ID's in IT/EG, pgm summary, nx, g (Trotto FL 8/13)
- 13780nf WEST GERMANY DW in GM 1559, IS, ID, nx, p (Buer FL 9/2) in GM *1400, IS, ID, nx, feature at 1405, f (Trotto FL 8/6)
- 13790 WEST GERMANY DW Julich in SP 2310, world nx, feature, f-g (Sheedy CA 8/19)
- 14802 KIRIBATI RK in Kiribati/EG *0555-0705, long IS, ID, freqs, instrum mx, local nx interviews, vocals, signal peaked 0630 w/fade out after 0700 (D'Angelo PA 8/3)
- 150096 VIETNAM V. of Vietnam in EG 2348, ID, light mx, tlk, f (Trotto FL 8/6) in EG 1923 w/tlk re Kampuchea, ID, into FR 1930, back to EG 2030 (Alexander PA 8/28)
- 15110 IRAQ BSRI in AR 0600, IS, time signal, ID, nx, g (Wood HI 8/31)
- 15120 POLAND RP in PL *0600, IS, ID, nx, g (Wood HI 8/31) in FR/EG 0615-0700, freqs addr, Dixieland jazz, nx, cntry, "Focus", f-p (Jordan PA 8/5)
- 15135nf PAKISTAN RP in lang *0355, IS, call to prayer 0359, nx, g (Wood HI 8/31)
- 151394 CHILE R. Nacional in SP 2105, ID, soccer, g (Alexander PA) in SP 0110 w/SP mx, (Swaringen NC) in SP 2125 w/soccer match, ID, f (Moore OH 8/28)
- 15155nf CUBA RHC in SP *1800, IS, ID, NA, nx, co-channel QRM fm D Welle (Trotto FL)
- 15160 HUNGARY R. Budapest in EG 2148, "Hungary in the 1700's", ID, IS, g (Trotto FL)
- 15160 ALGERIA RTVA in FR 0738, FR & US pop mx, ID, tlk, g (Trotto FL 8/21)
- 15165 NORWAY RNI in NO 0705, nx, ID, g (Wood HI 9/4)
- 15165 INDIA AIR via Bombay in HD 0400, ID, nx, //17805, both g (Wood HI 8/31)
- 15190nf NORWAY RNI in NO 1435, pop mx, //15300, f (Treibel WA 9/1)
- 15200nf IRAQ R. Baghdad in AR 1945, tlk, crowd noises, ID, bell IS, nx (Sheedy CA 8/19)
- 15210nf SOUTH AFRICA RSA in EG 1840, pgm on ancient tribal migrations, p (Park HI 9/3)
- 15245 FINLAND RF in EG 0847, "Voices of Finland", ID, sked, IS, f (Trotto FL 8/1)
- 15250 SRI LANKA VOA relay in EG 0111, ID, "VOA Saturday Morning", f (Trotto FL 8/6)
- 15280nf NORWAY RNI in NO 1440, s/off w/ID in EG 1445, p (Treibel WA 9/15)
- 15280 NETHERLANDS RN Flevo in FR 1517, DX pgm, tlk, ID, off 1525, g (Trotto FL 8/18)
- 15300 FRENCH GUIANA RPI relay in FR 1858, ID in EG, pips, mx, //15460, f (Park HI 9/3)
- 15310 NORWAY RNI in EG 1400, "Norway Today", //15300 (Swaringen NC 8/21)

- 15320 AUSTRIA RAI in EG 1130, tlk, co-channel QRM, f/o 1135, f (Snyder NY 8/14)
- 15330 PHILIPPINE IS. VOA relay in EG/PT *2300, ID, into PT for Brazil, g (Sheedy CA)
- 15345 SWEDEN RSI in SW 1615, tlk on taxes, world nx, //15435, g (Wood HI 9/7)
- 15350 FRENCH GUIANA R. Japan relay in SP 0355, pop mx, ID, skeds, g (Trotto FL 8/13)
- 15400 FINLAND RF in EG 1203, nx, cmntry (Snyder NY) in EG 1300 "Focus" (Weinhold PA)
- 15430 SAUDI ARABIA BSKSA in AR *0500, ID, ME mx, vg, //15140 (Buer FL 9/3) in AR *0355 IS, NA, vocal, ID, into Azan, g but hummy (Wood HI) in AR 0525, AR chorals and instrum, ID 0530, recitations, chants, f-g (Jordan PA 9/4)
- 15435 UNITED ARAB EMIRATES R. Dubai in EG 1615, ID, nx, g (Wood HI) in EG 0340, NA, "Stories of the Tropics" (Swaringen NC) relig pgm in EG 0340-0355* (Jordan PA)
- 15455 CHINA R. Beijing in EG 1300, nx (Weinhold PA)
- 15540nf SWITZERLAND SRI in FR 0600, ID, nx, //17570, 15430, 12030, all g (Wood HI 9/7)
- 15575 SOUTH KOREA RK in EG 1155, DX pgm, ID, f (Snyder NY 8/21) in EG 2250, tlk on Olympic games (Weinhold PA)
- 15630 GREECE VOG in EG 1540, world nx (Shilling CA 9/8)
- 15659 ICELAND(t) ISBS in IC 2333*, tlk, abrupt s/off, //17588, both g (Swaringen NC)
- 15670 CHINA CPBS in Uighur? 1021, tlk, organ mx, s/off w/Turkic mx, p (Park HI 8/14)
- 17018 SOUTH AFRICA Capetown Radio (standard time station) *1654-1700*, second pips 1655-1700 w/minute pips slightly longer, no annmts, p (Buer FL 9/1)
- 17555 ISRAEL Reshet Bet in HB 0612, political cmntry, g (Wood HI 9/7)
- 17575 MADAGASCAR R. Nederlands relay in EG 1135, "Newslines", f (Snyder NY 8/15) in DT 1118-1125*, closing annmts, ID, IS, p (Sheedy CA 8/10)
- 17620 FRENCH GUIANA RFI relay in PT *2158, skeds, freqs, ID, nx, exc (Sheedy CA 8/19)
- 17690 EGYPT R. Cairo in HD/Urdu 1520-1635, nx?, ID, ME vocals, f (Jordan PA 8/6)
- 17705 NEW ZEALAND RNZ in EG 0700, short story, ID, //15150, both g (Wood HI 9/4)
- 17710 ISRAEL Kol Israel in RS *1525, nx, ID, g, //15095 jammed, 17815 g (Wood HI 8/1)
- 17730 BRAZIL SRI relay via R. Bras in EG 0210, "Swiss SW Merry-go-Round", f (Park HI) in EG 0200, nx, "Dateline", g (Buer FL) in FR 0225, oompah mx, pips, ID, freqs, nx, cmntry, vg (Sheedy CA) in IT/FR 0111-0200+, IS, freqs, cmntry (Jordan PA)
- 17740 SAUDI ARABIA BSKSA in AR 0555, azan (call to prayer), g (Wood HI 8/15)
- 17760 TURKEY TRTV in EG 2205, world nx, ID, cmntry, tlks, f-p (Sheedy CA 8/19)
- 17765nf SOUTH AFRICA RSA in EG 1759, s/on w/ID & ID, nx, f (Treibel WA 9/9)
- 17775 UNITED ARAB EMIRATES R. Dubai in AR 0455, AR mx, pips, ID, nx, g (Sheedy CA)
- 17790 ROMANIA R. Bucharest in EG 0706, feature, ID, "Listener's Club", f (Trotto FL)
- 17795nf N. KOREA R. Pyongyang in EG *0700, IS, ID, nx, g (Wood HI 9/4)
- 17800 PAKISTAN RP in EG 1615, dictation nx, QRM VOA, //15605, 11615, 9475, all g (Wood HI 8/25) ED: Dr. Wood notes that 17800 was special freq for Zia's death but not hrd since. RDI 1989 indicates 1/2 hr xsmn daily in EG 1600 during summer
- 17805 INDIA AIR Delhi in Gujarati 0425, ID 0430, p (Treibel WA 9/16)
- 17815 BRAZIL R. Cultura in PT 2235, ID, pgm sponsored by Ministry of Education, (Moore OH 8/23) in PT 0002, ID, nx headlines, freqs, mx, g (Trotto FL 8/6)
- 17830 SWITZERLAND Red Cross via SRI in EG *1719-1727*, African nx, g (Buer FL 8/29)
- 17830 SINGAPORE BBC relay in EG 1008, "Pop Science" pgm, //17790, f (Park HI 8/16)
- 17837 COLOMBIA R. Nacional in SP 2315, tlk, classical mx, ID (Alexander PA 8/30)
- 21535 SOUTH AFRICA RSA in EG 1505, world mx, ID, mailbag, TC, //21590 (Sheedy CA 8/18)
- 21550 FINLAND RF in FN 0658, freqs, church service (Kirkko), chimes, g (Wood HI 9/4)
- 21555nf COSTA RICA R. for Peace Intl. in EG 1935, "Earthwatch", several UN-produced pgms, ID, address (Kremer IN) in EG 2005-2045*, "Peace Talks", ID (Sheedy CA) in EG 2120-2300, "World of Radio", mailbag, freq unstable (Alexander PA 9/2)
- 21560 WEST GERMANY DW Julich in GM 1457, opera mx, ID, world nx, g (Trotto FL 8/17)
- 21575 SPAIN REE in SP 1459, pips, ID's, nx headlines, f (Sheedy CA 8/18)
- 21585 USSR R. Moscow (Tadzhik) in IN 1130-1200, tlk on nuclear arms, Reagan, etc. Site is usually pegged at Dushanbe but Archer says "We'll see how the QSL comes back" RSA co-channel QRM w/IS at 1055 s/on. (Archer NC 9/5)
- 21605 UNITED ARAB EMIRATES R. Dubai in AR/EG *0658, NA, freqs, g (Wood HI 9/8)
- 21645 FRENCH GUIANA RFI relay in FR 1659*, closing w/skeds, IS, vg (Sheedy CA 8/19)
- 21685 NETHERLANDS ANTILLES RN relay in EG 1837, nx, "Media Network", g (Trotto FL 8/4)

 My 1989 copy of Passport to World Band Radio arrived just after I finished typing Page One. Thus, some of the loggings on the first page marked "nf", or new frequency, are listed in the 1989 book. I hope this won't cause any confusion to anyone. From now on, I will mark loggings as new frequencies if they do not appear in either the 1989 PWBR or the 1988 WRTH. As in the past, loggings that were published in last month's FRENDEX were not repeated here

The Marketplace Report is edited by Harold Sellers, Technical Editor for the Association of North American Radio Clubs. TMR is available to clubs, distributors, publishers and broadcasters, free of charge. Readers are invited to contribute news and information on equipment, companies and services of interest to radio listening enthusiasts. Our address is P.O. Box 161, Station "A", Willowdale, Ontario M2N 5S8, Canada.

Universal M-7000 Communications Terminal



Universal Shortwave recently unveiled the Universal M-7000, the most-advanced communications terminal available. This self-contained device connects to the audio output of any quality communications receiver. Output is to a video monitor, but serial and parallel printer ports are also provided. The M-7000 decodes and displays all standard transmission modes such as Morse code, Baudot, ASCII, Packet and Sitor A & B. Less common modes such as bit-inverted Baudot, high speed ASCII, ARQ-Moore (TDM) and Frequency Division Multiplex (FDM-VFT) are also supported. Other special display modes include Russian Third Shift Cyrillic, Literal mode and Databit mode. The M-7000 also prints high quality facsimile (FAX) images to the parallel printer port.

The M-7000 is manufactured by Digital Electronic Systems of Englewood, Florida, makers of the well-known Info-Tech equipment. There are many features available on the M-7000, as well as available options of a Real Time Clock and a Video FAX.

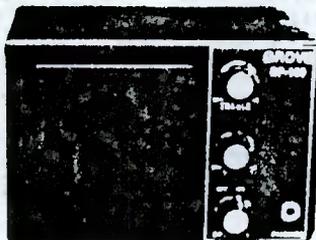
The price is US\$999.00 from Universal Shortwave, 1280 Aida Drive, Reynoldsburg, Ohio 43068, USA, telephone 614-866-4267.

Grove SR-1000 Receiver

Grove has announced that the frequency coverage of their new receiver (expected out this fall) has been extended up to 2000 MHz. Additional bandwidths have also ben added. (via Radio Netherlands Media Network)

Grove SP-100 Sound Enhancer

Grove Enterprises has introduced the SP-100 Sound Enhancer, an unamplified speaker system which includes bass and treble controls. These controls adjust inductive and capacitive high and low pass filters which can help reduce high frequency noise and static and low frequency hum. Audio that is bassy or has too much treble can be compensated for, permitting comfortable listening. An on-off switch turns the speaker on or off and there is also a



(cont'd) headphone jack built in. The price of the Sound Enhancer is US\$99.50 plus \$5.00 shipping from Grove Enterprises, P.O. Box 140, Brasstown, NC 28902.

Receiver Notes

Panasonic has discontinued the RF-B600 receiver. (Larry Magne, SWL Digest)

Radio Shack has introduced the DX-440 to Canada at last. It is selling for Cdn\$299.99.

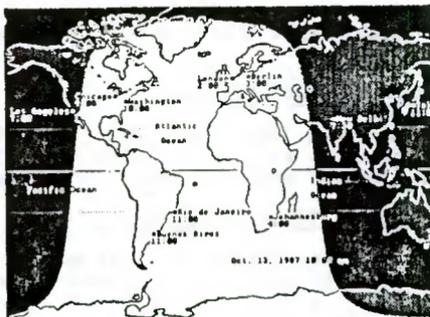
New Products from MFJ Enterprises

The MFJ-109 World Time Clock displays both local and UTC times on dual 24-hour displays. A sliding switch selects the local time in any one of 24 major cities around the world. A night light, batteries, flip stand and an alarm with snooze feature are also provided. The price of the MFJ-109 is US\$18.95 from SWL and amateur radio dealers. MFJ may be contacted directly at P.O. Box 494, Mississippi State, MS 39762.



The MFJ-956 Short, Medium and Long Wave Preselector/Tuner uses a passive circuit to match your receiver to its antenna, allowing for the maximum transfer of energy. The selectivity also helps to reduce overloading products. The operating range of the MFJ-956 is 150 kHz to 30 MHz. Bypass and ground receiver positions are also provided. The price is US\$39.95.

The MFJ-1286 Gray Line DX Advantage is a computerized DXing tool for IBM-PC/XT/AT or compatible computers. The software gives you a high-resolution world map that continuously displays the Gray Line as a moving area of day and night that changes with time. The Gray Line is the dividing line between darkness and daylight and serious DXers know that it can aid DX signals to produce spectacular reception. The MFJ-1286 also displays UTC times, time zones, sun position over the earth and latitude/longitude markers for any location on earth. Up to 24 locations can be programmed for display. A high-speed mode lets you view the movement of the Gray Line as it changes in increments of 2 minutes, 6 minutes, 1 hour, 1 day or 1 week. The cost of the MFJ-1286 is US\$29.95.



Hail, hail, the gang was all there in Virginia Beach September 17 and 18. Many of the voices behind the ANARC net showed up, wives came along, and a good time was had by all. Some of us had a Rippel-guided tour to a local seafood restaurant Friday night, and more than 20 persons invaded the hotel restaurant Saturday night. It was very enjoyable to finally meet Jonathan, Marian and Hazel Marks and Bob Horvitz in person. Doctor DX announced his candidacy for president Saturday night. Bob Brown and Doctor DX also announced that the famous Fiesta Motor Inn gathering will also again rise from the ashes and surface early next year. Stay tuned! ANARC net participants Sunday morning, I am sure, were surprised to hear the host of Media Network running the net in concert with the infamous KW3F. Marks and Horvitz spoke Sunday afternoon, but unfortunately we could not stay for the talks. We faced a 7-hour drive home and had to leave before Noon. Tom McElvy should be commended for a job well done, and the event will be repeated next year.

Back from a trip through Indiana, Kentucky, West Virginia, and Maryland. Some travel notes: The Sony 2010 works well so long as one stays out of urban center-city hotels. In downtown areas near other transmitters, I find the SW segment is overloaded with spurious signals. Best signal around the breakfast hour? Radio Australia on 9580. The Caribbean relays of Radio Nederland and BBC were quite strong during the evening hours. In Indiana, Radio Sweden's 0230 service to WNA was surprisingly good. In Lafayette, IN, on 8/21 I listened to the start of the ANARC SWL Net (14 UT on 7240 kHz) and the best signal went to WA3DYF, Bob Kirby in Pittsburgh. KW3F, Bob Brown, was readable throughout.

Other notes: WWV's propagation data at H+18 was missing for most of August, but the data was collected at 1225 UT from Radio Australia. Radio Nederland's Media Network at 1150 UT can be heard with decent signals on 17605 and 17575, but China co-channel to 15560 ruins that otherwise decent signal. The higher frequencies used by Radio RSA make it easier to listen to DX Corner in the 18 and 19 UT transmissions. The ANARC net of 9/11 was QRM'd by NHK/Japan; other signals not normally heard were Beijing/7405, NHK/9505, Mongolia/15004, Singapore/11750. The S88 season starts the day after we go to press. No doubt more changes will be forthcoming, but we have many of them this time around. Sweden drops its 23 UT English to NA service in a complete schedule overhaul, keeping 0230 and 1400. Norway makes late changes at 14 and 16 UT to S Asia.

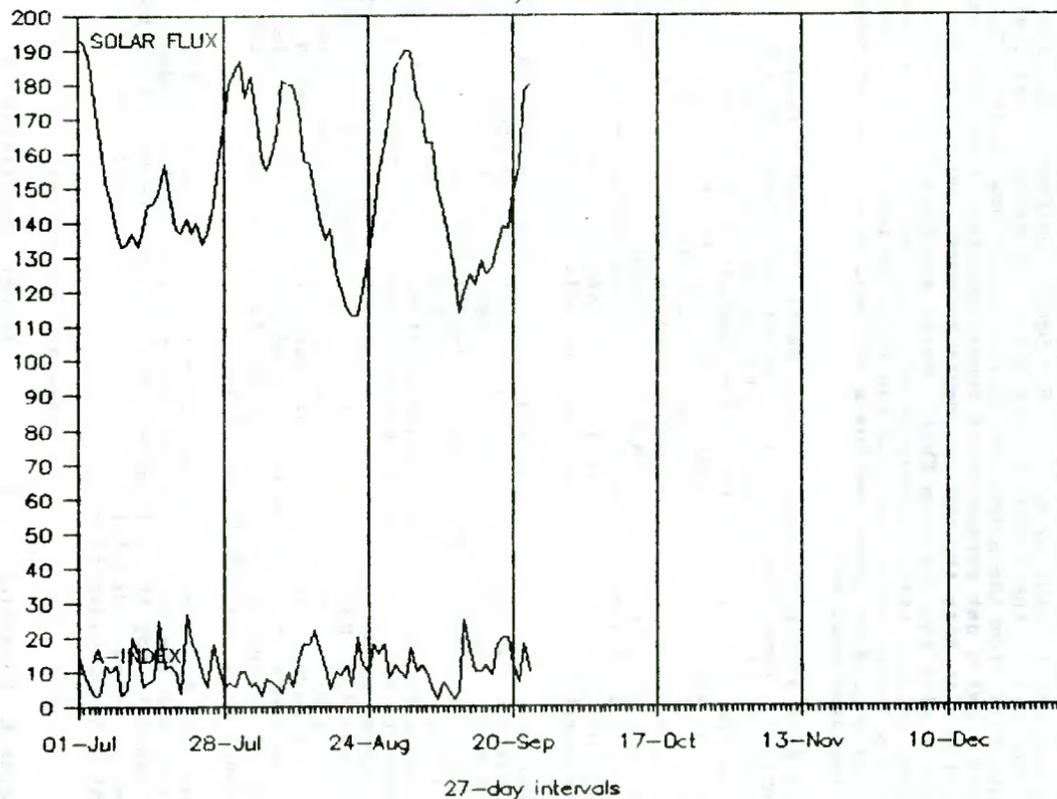
Thanks to R.C. Watts of Louisville for schedules from KNLS, KSDA, Turkey and The Red Cross! RC, we really liked the Flagship restaurant atop the Galt House, and enjoyed the Gray Line tour that included Churchill Downs and the magnificent homes on the east side of Louisville.

Thomas R. Sundstrom
PO Box 2275
Vincentown
NJ 08088-2275

Telex: 6502446376 (via WUI)
MCI Mail: 244-6376
The Source: BCF811
Compuserve: (send via MCI Mail)
Packet Radio: W2XQ @ WB2MNF
Pinelands RBBS: 609-859-1910

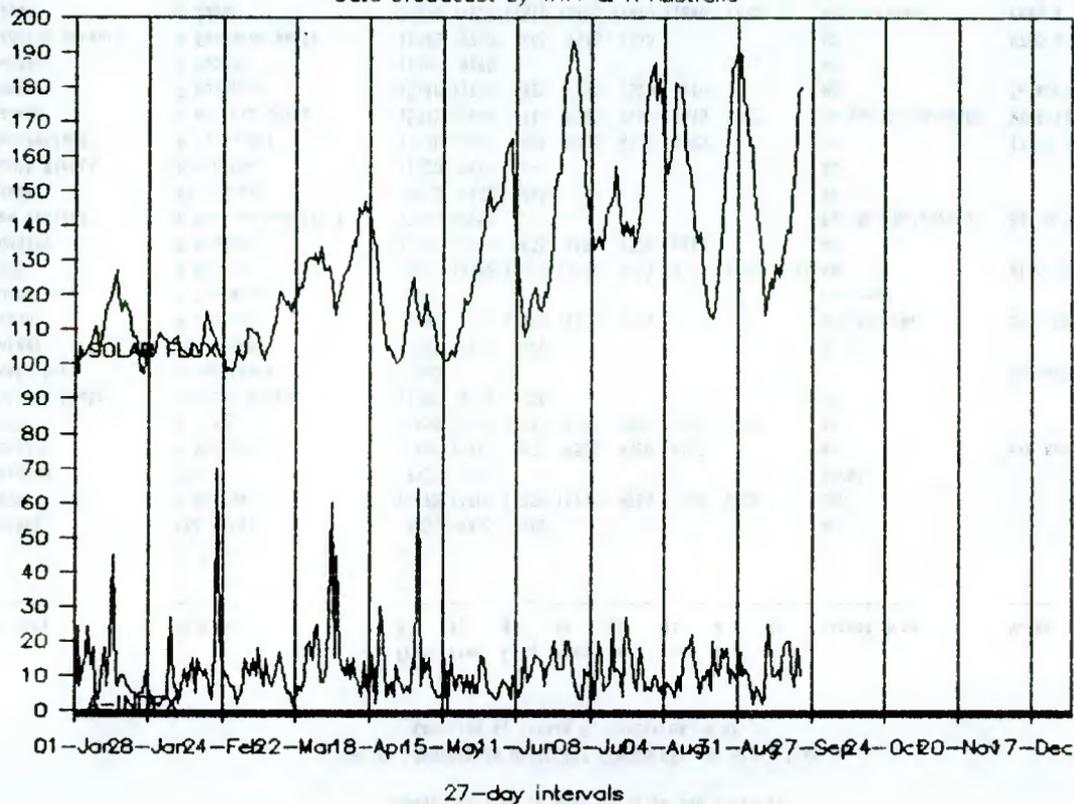
SOLAR FLUX & A-INDEX: Jul-Dec 1988

Data broadcast by WWV & R Australia



SOLAR FLUX & A-INDEX: 1988

Data broadcast by WWV & R Australia



Changes entered between 08/16/88 and 09/24/88.

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time
Compiled by Thomas R. Sundstrom, W2XQ

Start Time (UTC)	End Time (UTC)	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Freq #8	Target Area	Notes	Record Last Updated
0000	0030	Israel	Kol Israel	9855	9435	7460						NA		08/28/88
0000	0100	USSR	R Moscow	15475	11780	11750	11710	9865	9765	9530		ENA		09/22/88
0030	0055	Belgium	BRT	9925	9675							SA/NA		09/10/88
0030	0100	Hungary	R Budapest	15160	11910	9835	9585	9520	6110			NA	exc Mon	09/22/88
0030	0100	USSR	R Kiev	15455	15180	13645	11790	9800	9640	7400		NA		09/22/88
0050	0110	Vatican State	Vatican Radio	11780	9605	6150						NA		09/22/88
0100	1000	Costa Rica	R for Peace	13660									Tu-Sa/Eng & Span	09/04/88
0100	0130	Israel	Kol Israel	9855	9435	7460						NA		08/28/88
0100	0200	Japan	R Japan	17845	17810	15195	11905	5960				60S/Asia/NA	5960 Can:25m -0130	09/04/88
0100	0300	Luxembourg	R Luxembourg	6090								regional		09/22/88
0100	0400	USSR	R Moscow	15475	11780	11750	11710	9865	9765	9700	9610	ENA	also other freqs	09/22/88
0130	0200	Hungary	R Budapest	15160	11910	9835	9585	9520	6110			NA		09/22/88
0145	0315	New Zealand	R New Zealand Int'l	17705	15150							Pac/Aus/Melanesia	Sat only	09/06/88
0200	0230	Israel	Kol Israel	9855	9435	7460						NA		08/28/88
0200	0356	South Africa	Radio RSA	11730	9610	9580						NA		09/04/88
0200	0230	Switzerland	R Swiss Int'l	17730	12035	9885	9725	6135	6095			NA	17730 v Brazil	09/24/88
0200	0300	Taiwan	V of Free China	15345	11860	11740	9765	9680	7445	5985		NA/Jap/As/CA/AusNZ	WYFR:11740,9765,5985	08/28/88
0230	0245	Hungary	R Budapest	15160	11910	9835	9585	9520	6110			NA	Tu/W/F/Sa	09/22/88
0230	0300	Sweden	R Sweden	11705	9695							NA		09/21/88
0300	0350	Fed Rep Germany	R Deutsche Welle	11785	9700	9605	9545	6120				NA	9700 v Malta	08/25/88
0300	0400	Japan	R Japan	21610	17825	17810	15195	11870	11840	7125		60S/Asia/NA	Freq # 1,2,5 -0330	09/04/88
0300	0330	USSR	R Kiev	15455	15180	13645	11790	9800	9640	7400		NA		09/22/88
0310	0327	Switzerland	Red Cross	12035	9885	9725	6135					NA/CA	9/27&30-11/1&4	09/04/88
0330	0357	Finland	R Finland	11755	9635							NA		09/21/88

0330	0730	New Zealand	R New Zealand Int'l	17705	15150				Pac/Aus/Melanesia		09/06/88	
0330	0400	Sweden	R Sweden	11705					ME		09/21/88	
0400	0430	Austria	ORF	15410	6155	6015			ME/WNA/Eu	Su-Mo	09/01/88	
0400	0425	Netherlands	R Nederland	9850	7210				ME/E Afr		09/16/88	
0400	0426	South Africa	Radio RSA	11900	9585	5980			Afr/ME		09/04/88	
0400	0800	USSR	R Moscow	9640	9610	9600	9530	7290	6170	WNA	add'l freqs in use	09/22/88
0430	0500	Austria	ORF	15410	6155	6015			ME/WNA/Eu		09/01/88	
0430	0515	Fed Rep Germany	R Deutsche Welle	11765	9765	9565	7225	7150	S&C&E Afr		08/25/88	
0500	0550	Fed Rep Germany	R Deutsche Welle	9700	9635	6130	6120	5960	WNA	6120 v Antigua	08/25/88	
0500	0515	Israel	Kol Israel	17630	17590	11585	9435	7464	Aus/As/NA/Eu		08/28/88	
0500	0600	Japan	R Japan	17810	15270	11870	11840	9505	GDS/As/NA/Oceania		09/04/88	
0500	0520	Vatican State	Vatican Radio	17730	15190				Africa		09/22/88	
0515	0530	Finland	R Finland	11715	9635	6120			Eu/ME/Afr		09/21/88	
0600	0700	Malta	R Mediterranean	9765							09/24/88	
0600	0620	Vatican State	Vatican Radio	9645	6185				Eu		09/22/88	
0615	0630	Vatican State	Vatican Radio	17730	15190				Africa	Mon-Fri	09/22/88	
0630	0700	Italy	AWR Europe	7125					Eu		08/26/88	
0700	0800	Japan	R Japan	21695	17810	15235	15270		GDS/As/Aa/Oc/Eu/ME	21695 v Gabon	09/04/88	
0715	0730	Vatican State	Vatican Radio	15190	11725				Africa	Mon-Fri	09/22/88	
0730	0800	Austria	ORF	17870	15410	13730	6155		ME/Eu	Su 0715-	09/04/88	
0730	0755	Finland	R Finland	11755	9560	6120			Eu/ME/Afr		09/21/88	
0730	0825	Netherlands	R Nederland	9770	9715				NZ/Aus	via Bonaire	09/16/88	
0740	0757	Switzerland	Red Cross	21695	17830	13685	9560		Aus/As	9/26&29-10/31-11/3	09/04/88	
0800	0825	Belgium	BRT	21815	11695				SE As/Aus	Mon-Fri	09/10/88	
0800	0850	North Korea	R Pyongyang	15180	15160	11830	9540		SE As		09/10/88	
0800	0900	USA	KNLS	9840					As		09/14/88	
0828	0855	Netherlands	R Nederland	9770					Aus	weekdays	09/16/88	
0900	0925	Finland	R Finland	21550	17795				Aus		09/21/88	
0900	1000	Japan	R Japan	17810	15270	11885	11840		GDS/As/Oc		09/04/88	
0930	0955	Finland	R Finland	14245	11855				E As/SA		09/21/88	
1000	1025	Belgium	BRT	21810	17795				Afr	Mon-Fri	09/10/88	
1000	1215	New Zealand	R New Zealand Int'l	9850	6100				Aus/Melanesia		09/06/88	
1000	1030	Vietnam	V of Vietnam	15010	12030						09/05/88	
1030	1125	Netherlands	R Nederland	9505	6020				Aus/Carib	via Bonaire	09/16/88	
1040	1057	Switzerland	Red Cross	17830	15570	13685	11935		Far East	9/26&29-10/31-11/3	09/04/88	

1045	1100	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	Eu	Su	09/22/88	
1100	1130	Israel	Kol Israel	17630	17575	15560				W Eu/Aus/As		08/28/88	
1100	1156	South Africa	Radio RSA	21590	17745	11900				Afr/ME/UK/Ireland		09/04/88	
1100	1130	Switzerland	Red Cross	7210						Eu	9/25-10/30	09/04/88	
1100	1200	USSR	R Moscow	17820	15530	15320	15225	13680		World Service		09/22/88	
1100	1130	Vietnam	V of Vietnam	15010	12030							09/05/88	
1115	1130	Vatican State	Vatican Radio	21485	17840					Africa		09/22/88	
1130	1200	Austria	ORF	17870	15450	13730	6155			ENA/Aus/As/Eu	Su -1230	09/04/88	
1130	1145	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	Eu	Sa	09/22/88	
1130	1158	Seychelles	FEBA	15325						India	F & Sa	09/10/88	
1130	1230	Thailand	R Thailand	9655								09/11/88	
1200	1300	China	R Beijing	17715	15455	15280	15110	11660	11600	7820	ENA/SE As/S Pac	17715, 15110 v Mali	08/26/88
1200	1225	Finland	R Finland	15400	11945					NA	Mon-Fri	09/21/88	
1200	1300	USSR	R Moscow	17820	17645	15595	15530	15490	15320	15225	15155	World Service	09/22/88
1200	1215	Vatican State	Vatican Radio	21485	17865	17840	15190			Afr/As/Aus/NZ	#2 & #4 Mon-Fri	09/22/88	
1230	1300	Bangladesh	R Bangladesh	17710	15195					Eu		08/25/88	
1230	1300	Sweden	R Sweden	17780	15430	9565				As/Pac		09/21/88	
1230	1300	Turkey	V of Turkey	17785						SW As		09/14/88	
1245	1255	France	R France Int'l	21645	17720	15365	15195	15155	11670	Am/Afr/Ind/As/Eu	news in English	09/24/88	
1300	1400	China	R Beijing	15455	15280	11660	11600			WNA/SE As/S Pac		08/26/88	
1300	1325	Finland	R Finland	15400	11945					NA	Mon-Fri	09/21/88	
1300	1400	Italy	AWR Europe	7125						Eu		08/26/88	
1300	1350	North Korea	R Pyongyang	11735	9600	9555	9345	9325		SE As/Am/Eu		09/10/88	
1300	1400	USSR	R Moscow	17820	17645	15530	15320	15225	13680	9600	World Service	9600 v Cuba	09/22/88
1300	1325	USSR	R Tashkent	11785	9715	9645	7325	7285		As		09/22/88	
1310	1327	China	Red Cross	15135	11695					S/SE As	9/26&29-10/31-11/3	09/04/88	
1310	1327	Switzerland	Red Cross	21695	17830	15570	13685			S/SE As	9/26&29-10/31-11/3	09/04/88	
1330	1355	Belgium	BRT	21815	17555					NA/SE As	Mon-Sat	09/10/88	
1330	1400	Vietnam	V of Vietnam	15010	12030							09/05/88	
1400	1500	China	R Beijing	15165	11600	7405				S Asia		09/11/88	
1400	1425	Finland	R Finland	15400	11945					NA	Sa&Su -1455	09/21/88	
1400	1500	Malta	R Mediterranean	11925								09/24/88	
1400	1430	Norway	R Norway	21705	21700	15310	15190			ME/Af/NA/S As/Eu/Aus Eng	Sun only	09/24/88	
1400	1556	South Africa	Radio RSA	21590	17745	11925				Afr/ME/UK/Ireland		09/04/88	

1400	1430	Sweden	R Sweden	15390	15430	15345				NA/As/Pac		09/21/88	
1400	1500	USSR	R Moscow	17820	17645	15530	15320	15225	13680	11840	World Service	11840 v Cuba	09/22/88
1430	1525	Netherlands	R Nederland	17575	15560	13770	11735	5955			S&E As/Eu		09/16/88
1430	1455	USSR	R Tashkent	11785	9715	9645	7325	7285			As		09/22/88
1445	1500	Vatican State	Vatican Radio	11740	9645	7250					Eu		09/22/88
1500	1600	Japan	R Japan	21700	15230	11815	9695	9505			GOS/As/Am/Eu/ME	21700 v Gabon	09/04/88
1500	1700	USA	KNLS	7355							As		09/14/88
1500	1600	USSR	R Moscow	15530	13680	12055	11840				World Service	11840 v Cuba	09/22/88
1500	1530	USSR	R Stn Peace & Progress	17645	15580	11890	11775	11655			As		09/22/88
1505	1530	Finland	R Finland	11755	9560	6120					Eu/ME/Afr		09/21/88
1530	1600	Sweden	R Sweden	17780	15430	15240					As/Pac/E Afr		09/21/88
1600	1630	Norway	R Norway	21700	15310	11760					ME/E Afr/WNA/S As	Eng Sun only	09/24/88
1600	1700	USSR	R Moscow	15460	13680	11840					World Service	11840 v Cuba	09/22/88
1600	1630	Vietnam	V of Vietnam	15010	12030								09/05/88
1610	1650	Fed Rep Germany	R Deutsche Welle	21680	17825	15595	15105	13790	7200	6170	Aus/As		08/25/88
1615	1630	Hungary	R Budapest	15160	11910	9835	9585	9520	6110		Eu	M/Th	09/22/88
1630	1700	Austria	ORF	13730	11780	6115	5945				S As/Eu		09/04/88
1630	1725	Netherlands	R Nederland	15570	6020						S&E Afr		09/16/88
1700	1800	Cuba	R Havana	15295							Eu/Af		09/04/88
1700	1730	Switzerland	Red Cross	7210							Eu	9/26-10/31	09/04/88
1700	1800	USSR	R Moscow	11840							World Service	11840 v Cuba	09/22/88
1710	1727	Switzerland	Red Cross	17830	15525	15430	11955	9885			Af	9/26&29-10/31-11/3	09/04/88
1730	1800	Austria	ORF	12010	11915	11825	6155	5945			ME/S Afr/Eu		09/04/88
1730	1800	USSR	R Stn Peace & Progress	15140	13615	12030	11775	11670	9830		Af		09/22/88
1800	2400	Costa Rica	R for Peace	21550								M-F/Eng & Span	09/04/88
1800	1815	Israel	Kol Israel	13750	11655	11585	9930				Eu		08/28/88
1800	1856	South Africa	Radio RSA	21535	17765						MEC Afr/UK/Ireland		09/04/88
1800	1830	Sweden	R Sweden	11845	7265	6065					Eu		09/21/88
1800	1830	Vietnam	V of Vietnam	15010	12030								09/05/88
1830	1855	Belgium	BRT	11695	5915						Eu		09/10/88
1830	2000	Cuba	R Havana	11795							Eu/Af		09/04/88
1830	1925	Netherlands	R Nederland	21685	17605	15175	6020				Afr/Eu	13&17m Bon, 19m Madg	09/16/88
1830	2115	New Zealand	R New Zealand Int'l	15150	12045						Pac		09/06/88
1900	1956	South Africa	Radio RSA	15365	15320	7295					Afr/ME		09/04/88
1900	2000	Spain	Sp Foreign Radio	15395	15375	11790	9765				Afr/ME/Eu		09/23/88

1900	1930	USSR	R Kiev	11780	9710	9560	7330			Eu		09/22/88	
1900	2100	USSR	R Moscow	15150	11840					World Service	11840 v Cuba	09/22/88	
1900	1930	Vietnam	V of Vietnam	15010	12030							09/05/88	
1930	1945	Finland	R Finland	11755	9530	6120				Eu/ME/Afr		09/21/88	
1930	2000	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	Eu		09/22/88	
1930	2000	Portugal	R Portugal	11740	9740					Eu	Mon-Fri	09/15/88	
1940	2000	Vatican State	Vatican Radio	9645	7250	6190				Eu		09/22/88	
2000	2030	Israel	Kol Israel	11605	9855	9460	9435	9010		NA/Eu/Afr		08/28/88	
2000	2050	North Korea	R Pyongyang	9345	6576					Eu		09/10/88	
2000	2100	USSR	R Moscow	15475	11930	9630	7330			UK/Ireland		09/22/88	
2030	2100	Vietnam	V of Vietnam	15010	12030							09/05/88	
2040	2140	Cuba	R Havana	15340	11725					Carib		09/04/88	
2100	2130	Hungary	R Budapest	15160	11910	9835	9585	9520	6110	Eu		09/22/88	
2100	2130	Japan	R Japan	11850	9695	9675	9640			GDS/As/Oc		09/04/88	
2100	2130	Sweden	R Sweden	9655	6065					Eu/Afr/ME		09/21/88	
2100	2200	USSR	R Moscow	15475	11840					World Service	11840 v Cuba	09/22/88	
2200	2225	Belgium	BRT	9675	5915					NA/Eu		09/10/88	
2200	2300	Cuba	R Havana	7150						Eu/Af	v USSR	09/04/88	
2200	2225	Finland	R Finland	11755	9670	6120				Eu/ME/Afr/E As/SA		09/21/88	
2200	2300	USSR	R Moscow	11840						World Service	11840 v Cuba	09/22/88	
2230	2330	Israel	Kol Israel	11605	9855	9460	9435	9010		NA/Eu/LA		08/28/88	
2230	2300	USSR	R Vilnius	6100						Eu		09/22/88	
2230	2300	Vietnam	V of Vietnam	15010	12030							09/05/88	
2300	0000	USSR	R Moscow	15475	11850	11780	11750	11710	9865	9765	9610	ENA	09/22/88
2300	2330	USSR	R Vilnius	15455	15180	13645	9640	7400		NA		09/22/88	
2330	2400	Vietnam	V of Vietnam	15010	12030							09/05/88	
2345	0145	New Zealand	R New Zealand Int'l	17705	15150						Pac/Aus/Melanesia	09/06/88	

Changes entered between 08/16/88 and 09/24/88.

ENGLISH LANGUAGE DX SHOWS: By Day of Week
Compiled by Thomas R. Sundstrom, W2XU

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Shortwave DX Program	Show Xmsn Start Start Time Time Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Target Area	Notes re DX Show	Record Last Updated
** DAY OF THE WEEK: Sunday												
Radio World	0030 0030 Belgium	BRT	9925	9675						SA/NA		09/10/88
DXers Unlimited	0030 0000 Cuba	R Havana	9655							Americas		09/22/88
DXers Unlimited	0230 0200 Cuba	R Havana	9770	9655	6140					Americas		09/22/88
DXers Unlimited	0430 0400 Cuba	R Havana	9770	9655	6140	6035	5965			Americas		09/22/88
DXers Unlimited	0630 0600 Cuba	R Havana	11760							Americas		09/22/88
SW Club	1045 1045 Hungary	R Budapest	15160	11910	9835	9585	9520	6110		Eu		09/22/88
DX Programme	1300 1300 USSR	R Tashkent	11785	9715	9645	7325	7285			As	Su after 2nd Sat/mo	09/22/88
DX Show & Mailbag	1915 1900 USSR	R Kiev	11780	9710	9560	7330				Eu		09/22/88
DX Corner	2020 2000 Israel	Kol Israel	11605	9855	9460	9435	9010			NA/Eu/Afr		08/28/88
DX Corner	2250 2230 Israel	Kol Israel	11605	9855	9460	9435	9010			NA/Eu/LA		08/28/88
** DAY OF THE WEEK: Monday												
DX Corner	0020 0000 Israel	Kol Israel	9855	9435	7460					NA		08/28/88
DX Show & Mailbag	0045 0030 USSR	R Kiev	15455	15180	13645	11790	9800	9640	7400	NA		09/22/88
DX Corner	0120 0100 Israel	Kol Israel	9855	9435	7460					NA		08/28/88
DX Corner	0220 0200 Israel	Kol Israel	9855	9435	7460					NA		08/28/88
DX Show & Mailbag	0315 0300 USSR	R Kiev	15455	15180	13645	11790	9800	9640	7400	NA		09/22/88
SW Club	1615 1615 Hungary	R Budapest	15160	11910	9835	9585	9520	6110		Eu		09/22/88
World of Radio	1800 1800 Costa Rica	R for Peace	21550								delayed	09/04/88
DX Program	2350 2300 USSR	R Moscow	15475	11850	11780	11750	11710	9865	9765	ENA		09/22/88
** DAY OF THE WEEK: Tuesday												
DX Program	0150 0100 USSR	R Moscow	15475	11780	11750	11710	9865	9765	9700	ENA		09/22/88
SW Club	0230 0230 Hungary	R Budapest	15160	11910	9835	9585	9520	6110		NA		09/22/88

DX Program	0350	0100	USSR	R Moscow	15475	11780	11750	11710	9865	9765	9700	ENA	09/22/88	
DX Program	0440	0400	USSR	R Moscow	9640	9610	9600	9530	7290	6170		WNA	09/22/88	
DX Program	0640	0400	USSR	R Moscow	9640	9610	9600	9530	7290	6170		WNA	09/22/88	
Sweden Calling DXers	1240	1230	Sweden	R Sweden	17780	15430	9565					As/Pac	09/21/88	
Sweden Calling DXers	1410	1400	Sweden	R Sweden	15390	15430	15345					NA/As/Pac	09/21/88	
Sweden Calling DXers	1540	1530	Sweden	R Sweden	17780	15430	15240					As/Pac/E Afr	09/21/88	
Sweden Calling DXers	1810	1800	Sweden	R Sweden	11845	7265	6065					Eu	09/21/88	
Sweden Calling DXers	2110	2100	Sweden	R Sweden	9655	6065						Eu/Afr/ME	09/21/88	
World of Radio	2300	1800	Costa Rica	R for Peace	21550								delayed	09/04/88
** DAY OF THE WEEK: Wednesday														
SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110		NA	09/22/88	
Sweden Calling DXers	0240	0230	Sweden	R Sweden	11705	9695						NA	09/21/88	
World of Radio	0300	0100	Costa Rica	R for Peace	13660								delayed	09/04/88
Sweden Calling DXers	0340	0330	Sweden	R Sweden	11705							ME	09/21/88	
World of Radio	0600	0100	Costa Rica	R for Peace	13660								delayed	09/04/88
World of Radio	0900	0100	Costa Rica	R for Peace	13660								delayed	09/04/88
World of Radio	2000	1800	Costa Rica	R for Peace	21550								delayed	09/04/88
** DAY OF THE WEEK: Thursday														
SW Club	1615	1615	Hungary	R Budapest	15160	11910	9835	9585	9520	6110		Eu	09/22/88	
World of Radio	2300	2100	USA	WRND	13760							NA/CA/Eu	08/26/88	
** DAY OF THE WEEK: Friday														
SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110		NA	09/22/88	
World of Radio	2100	1800	Costa Rica	R for Peace	21550								delayed	09/04/88
** DAY OF THE WEEK: Saturday														
World of Radio	0100	0100	Costa Rica	R for Peace	13660								delayed	09/04/88
SW Club	0230	0230	Hungary	R Budapest	15160	11910	9835	9585	9520	6110		NA	09/22/88	
World of Radio	0400	0100	Costa Rica	R for Peace	13660								delayed	09/04/88
World of Radio	0700	0100	Costa Rica	R for Peace	13660								delayed	09/04/88
SW Club	1130	1130	Hungary	R Budapest	15160	11910	9835	9585	9520	6110		Eu	09/22/88	
DX Programme	1430	1430	USSR	R Tashkent	11785	9715	9645	7325	7285			As	2nd Sat of month	09/22/88
Radio World	1830	1830	Belgium	BRT	11695	5915						Eu	09/10/88	
Radio World	2200	2200	Belgium	BRT	9675	5915						NA/Eu	09/10/88	



" THE ART OF LATIN AMERICAN QSLing "

Casilla 57 - Suc. 40,

1440 - Buenos Aires

* ARGENTINA *

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Buenos Aires, September 1988.-

Dear OMs,

We're letting you know that as from this month one we are editing a publication that we have named "The Art of Latin American QSLing".

This publication intends to help listeners who could be interested in LA-DXing, so as to prepare precise and well-detailed reports, which will help to verify those "difficult" stations, using the correct words and phrases.

The Art of LAm QSLing has been prepared in a 8-page format, taking into account our knowledge and experience in this aspect of our hobby, as we've so far sent hundreds of reports, taking note of those hints we've considered are the best.

We're including many useful infos, such as recommendations about reporting LA stations; key phrases for to include in your report according to each specific case or situation; a sample report with its possible variations, including: introductory letters (to SW and MW stations); list of football teams, languages or dialects, typical musical styles, etc, all concerning each respective country; also an updated list, with stations broadcasting DX-programmes from LA; key words & phrases that will enable listeners to identify a specific country, and of course to obtain the QSL.

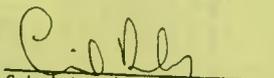
All is explained in English, and those sample reports and key-phrases are shown bilingually in English and Spanish. We're including some Portuguese, as well.

This edition is priced as US\$ 3 or 6 IRCs, we're just covering postal and printing expenses. Our intention is to promote LAm DXing, and we are sure this guide will prove to be valuable to all DXers - with or without experience.

We would like you to please mention this work in your DX-Publication/Programme, as we are aware of your activities worldwide, and we're sure that a large number of OMs will get to know about this through our report. Our Address is: "The art of LAm QSLing"; Casilla 57 - Suc.40; 1440-Buenos Aires; Argentina.

Thanking you in advance for your kind co-operation, we remain, yours sincerely,


Julian Anderson (JA)


Gabriel Iván Barrera (GIB)

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