

# **FRENDX**

**OFFICIAL PUBLICATION OF**

**N A S W A**

**NORTH AMERICAN SHORT WAVE ASSOCIATION**

**P.O. BOX 989, ALTOONA, PA 16603**

**MARCH 1972**

Executive Editor Bill Eddings has again been hospitalized, and was unable to resume publishing FRENDX as scheduled. Additionally, alternate publisher Ed Shaw has been held by his vocation, and was unable to publish the March issue. Therefore I am doing the March issue as alternate-alternate-publisher! It was quite a shock to discover I was publishing the March issue, and I must admit to having just about one nut arranging everything, but it all seems to be working all right as this is being typed. The March FRENDX will be out just about on time, even with the rather sudden notice and little time for getting it ready.

Re Bill's illness, he is in the Altoona Hospital, Room 331, Altoona, PA. Latest word I have is that he is improving, and is hoping to be able to go home soon. I would suggest that cards be sent to the usual MASMA address - MASMA, P.O. Box 909, Altoona, PA 15403.

Notice for the new BoD has been delayed until HQ is back in operation. The renewal and new members lists have been delayed as well. (However, renewals & new members will, of course, be getting their copies of FRENDX. Other items necessarily delayed include the helping hand service. Hopefully the BoD ballots will be included in the April issue, so the election can be held as soon as possible.

It should be noted that due to troubles with the stencils and the mimeograph machine with which copies were made, it was necessary for portions of QSL REPORT (the score-board), and all of the Shortwave Center, as well as the Charlie Loudenboomer Report had to be retyped here in Charleston. Therefore, should errors be spotted, they were likely introduced in the attempt to type while reading a mimeo stencil. Our apologies for any such errors introduced.

With that pretty well taking care of all announcements on hand, there follow a few additional notes from the EEC NS notes and perhaps another source or two.

IRAN - R. Iran now using 9025, ex 7039, with HS 1515-1727. //15085, 7065. At 1728 it switches to the external service. (EBC MS)

CLANDESTINE - The "National Voice of Iran" is sked on 6025 at 1730-1745 in Persian, 1745-1800 Azerbaijani, 1800-1815 Persian. (EBC MS) A clandestine giving the slogan "Voice of Iranian Liberation" was noted for the first time by EBC MS on 12 Jan. Pgm is critical of the Shah. Sked: 1600-1620 Persian, 1620-1640 Kurdish, 1640-1700 Azerbaijani. (EBC MS)

BANGLADESH - Bangladesh announced it would broadcast Hindi at 1600-1630 on 7095, and in Nepali at 1320-1350 on 7260. (EBC MS) Bill Berghammer logged 7095 on 7108.2 kHz.

YEMEN - "It is reported from San'a that the President of the United Arab Emirates has given instructions for the building of a 100 kw short-wave transmitter in San'a as a gift to the Yemen Arab Republic 'to carry the voice of the Yemen throughout the world.'" (EBC MS) More hi pwr txs in the ME! Soon be easier to hear than VoA Gwl! But presumably the low power local services will continue. Hope so, anyway. (DF)

MOROCCO - RTVA transmitters on 9615 and 6190 now operate to 0000 instead of the former closedown at 2200. (EBC MS)

And that, gentlemen, is the first, and I hope the last, HQ section I have ever done. We expect Bill Eddings to be back with this section for the April issue. I sure hope so, as I prefer to just dig up and crank out skeds & the like. And how do you like the R. Peking FS sked in LX this month? Very sorry we didn't get it in time for the President's visit to China.... Also have Pyongyang and Mongolia skeds just in, and expect to get them to you in the April issue.

# ANARC REPORT

FIRST OF ALL, I will congratulate North American Short Wave Association upon this occasion. The monthly journal for Short Wave Broadcast DXers will henceforth be published in off-set, and improvements are certain for the near future.

1972 A.N.A.R.C. CONVENTION. Good news for New Englanders!! The time is drawing ever nearer. The decision has been announced that BOSTON will host the 1972 ANARC Convention. We have been advised that fellow-NASWA-member Steve P. d'Adolph has been slaving away night and day in preparation.... and so well before Summer, too. Well, that's dedication. We can certainly be assured of a rousing goodtime. Make your plans early! Already, I know of about 25 NASWA members I can count on to be there. The convention committee will be advising us shortly of the details, and I will provide a form for interested DXers to use in application to attend.

MORE ON GHANA FRAUDS. You will remember that last month we advised of one or more persons attempting to strike up pen-pal relationships with American DXers with the ulterior motive of soaking them for small amounts of money. Some of these small time chislers evidently want to head for the big time. Latest reports from NASWA DXers indicate these dudes have asked for magazine subscriptions, cigarettes, radios, cash money, and clothes. One report even suggested that the chisler wanted to come work in the U.S.A. and had asked the reporting DXer to sponsor him!! Well, one thing for sure, if you get a letter from one of these guys, it means that Radio Ghana did not get your report. I recommend that Registered Mail be used for reporting to Ghana - and while you're at it, advise them of what has happened before.

EUROPEAN DX COUNCIL CONVENTION. Will be held in Hilversum, Holland June 2-4, 1972. The convention will be sponsored by the BeNeLux DX Club. Radio Nederland has graciously permitted the use of their canteen for the convention site. Among the agenda will be a proposal of making 1973 a World DX Year. Any NASWA members fortunate enough to be abroad at that time of year would certainly be welcome to visit.

CLANDESTINE BROADCASTERS. Seemingly a growing number of these abound on the various bands - and many outside of the regular bands. Two agencies have very comprehensive works available for no cost other than postage. Send a self-addressed, stamped envelope to: Larry Magne, P.O. Box 2133, Mid-City Station, Philadelphia, Pa. 19103; or send one IRC to: Danish Short Wave Club Int'l, DK-8383 Hinnerup, Denmark. (SCDX)

SHORTWAVE STATIONS OF THE WORLD - an 84-page off-set print work, is available for \$2.00 U.S. to Radio Club of Sweden, Box 5083, Stockholm S-102 42, Sweden. The work lists frequencies and transmission times, and also contains a listing of verifications received by European DXers during 1971. (SCDX)

STATION IDENTIFICATIONS ON TAPE. A NASWA Exclusive!!! Available for 25¢ in coin or postage, plus your name and address to: Typewritten Transcription Service, 1394 Third Avenue, New York City, New York, 10021. For just your name and address, and token postage you will receive a 3" reel of professional quality recordings of various Voice Identifications, Interval Signals, and sample music heard on those stations. About 30 countries - detailed list of contents included. Write today, and say you read it in FRENDX. Available while supply lasts.

And, that's about it for now! 73, Edward Shaw

## THE LOUDENBOOMER REPORT

The other day I was going through my "in" basket and I found three or four yellowing letters from members of my club, The International World Wide Continental DX Association, complaining about not receiving their July, 1971 bulletins (to say nothing of August, September, October, etc. etc.). So I guess it's about time I got around to providing an explanation.

Last spring I decided our club needed something. We had to be a club with a different approach, a different look. So I spent some time looking over the bulletins of the other clubs, trying to come up with an answer. It took me awhile before the obvious solution hit me. All the clubs issue bulletins, therefore, IWWCDXA would be different by not issuing bulletins! And that explains why our members haven't received any since June, 1971 issue..we have simply stopped publishing!

But, IWWCDXA still exists. It is simply taking on an exciting, revolutionary new direction! Henceforth, the membership of IWWCDXA will concentrate their efforts on special research projects, to benefit the entire DX'ing hobby. Operational costs will be obtained via memberships and in making the results of our efforts available at a small cost to non-IWWCDXA members. Those who are members of our group will, of course, be able to obtain these at reduced costs. Those who work on a given project will receive points which they may apply toward the purchase of a project write-up or toward their yearly membership renewal.

All IWWCDXA members are being assigned a rank of "SAE" (Self-Appointed Expert). After making sufficient contributions in time or money to accumulate 1,000 points, I will award a member the "ABLE" rating (Appointed By Loudenboomer - Expert) which I am sure will be one of the most sought-after goals in DX'ing!

Now here's a run-down on our initial group of projects to be undertaken by IWWCDXA members. Please pick one or two which interest you and go to work!

1. A solution to the alphabet stations mystery. As you know, these stations are heard nearly every evening on a wide variety of frequencies all over the short wave band. I have information which leads me to suspect that these announcements are made by moonlighting Sesame Street puppets and I will be pleased to forward details on this to whomever decides to take on this very challenging task.

2. Development of the IWWCDXA Ring. This should be an all-in-one item which, at a minimum, should be able to convert local time to GMT, convert megahertz to meters, provide sunrise/sunset times at any point in the world on any day of the year, show at a glance great circle routes and number of IRC's needed from any country in the world and, carry a handy Swahili-English phrase list. It should be produced for a cost of under \$85 each (we want to keep this reasonable), weigh less than three pounds, and glow in the dark.

3. The IWWCDXA-WWQRS (World Wide Monitoring-Reporting Service). This is open to all DX'ers. The idea is to provide a given station with a host of reports on a particular transmission so they can get a clear idea of how they are received. The first effort will concentrate on the BBC's 15,070 Sunday World Service Broadcast. Please monitor the Victor Sylvester program for the next 26 Sundays. All who participate will receive an acknowledgement on a special edition Victor Sylvester 45 rpm record!

4. The IWWCDXA DX Program. We need a member to put together a twice-weekly DX show with hints on time keeping, antenna wire and other items of DX interest. Naturally we want someone with a good background in the hobby and a showman's flair. We already have a 4 minute time slot arranged for the second and fourth Tuesdays of the month (alternating with the first and third Fridays) on AFNT-Taiwan.

So gang, this gives us a really great start toward fame and fortune..if you do your part! I'll be waiting to hear about your progress and meantime I'll try to come up with some additional ideas. We don't want any slack once we get going - right?

See you next month.

Features/Articles

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Features/Articles

EDITOR: Ralph W. "Ralphus" Perry, 301 E. Chalmers St., Champaign, IL. 61820

Exclusive!!!Exclusive!!!RADIO VILATHE NEW HEBRIDES BROADCASTING SERVICE

written expressly for NASWA-SEC by Mr. John McNeill, BC Officer - R. Vila...

Radio Vila (the New Hebrides Broadcasting Service), one of the very youngest voices in the South Pacific, celebrated its fifth birthday on August 2, 1971. Although the station broadcasts for only 2½ hours a day at present (December '71), it plays an important part in the lives of the New Hebridean people because of the large number of scattered islands which comprise the Group, compounded by the general lack of other communications.

There are more than 80 islands in the New Hebrides, and a population of nearly 80,000. Most of these are Melanesians, with about 6000 Europeans, Vietnamese, Chinese, and people from other islands. It is the world's only Condominium, governed jointly by Britain and France through two Resident Commissioners. This means that Radio Vila broadcasts in three languages -- English and French, and Bichelmar (which is the New Hebridean Pidgin language, and the only one approaching universality in the Group).

Radio Vila broadcasts twice daily, Monday to Friday, at 11.30 a.m. to 12.30 p.m. local time (0030-0130 GMT), on 7260 kHz, 41.32 metres (call sign YJB7), and 5.15-6.30 p.m. local time (0615-0730 GMT) on YJD4, 3905 kHz, 76.83 metres.

Up to the end of this year, the station has not owned a transmitter, but has borrowed time from the Marine Radio Service, using a 0.5 KW Redifon which is fed into a dipole antenna beaming north-south. This is located at Malapoa near Vila (lat. 168° 33' E, long. 17° 44' S.). However, the Australian Government has given a new 2 KW AWA shortwave transmitter through its foreign aid program, and this is expected to be inaugurated by the end of December 1971. When the new transmitter is brought in, the evening frequency will probably be changed to 3945 kHz.

The lack of a full-time transmitter has been one of the factors limiting development of the station, the other one being lack of staff. However, it is planned that increased hours will start with the New Year, in a small way at first, but stepping up to 5 hours a day by the end of 1972.

When Radio Vila first went on the air in 1966, it did not even possess a studio. All broadcasts were pre-recorded and played from the transmitting station. Two years later a console, two Bourdoreau studio recorders and two turntables were received from the ORTF. This equipment is now well out of date and subject to frequent breakdown, and the arrival of new recorders, turntables, and control panel is eagerly awaited. For the last three years the station has occupied a tiny two-roomed shack overlooking Vila Harbor, but it is hoped to move into a building formerly occupied by the air traffic control next year.

The other major move anticipated is broadcasting in the medium-wave band. A one-kilowatt AWA MF transmitter, also donated by the ORTF in Noumea, has been lying around for several years, but it has only recently been brought up to working order, and an aerial is now being erected. It is not yet known on which frequency this will operate, but it is likely to be around 1400 kHz.



A DX'er's LONG BATTLE WITH THE MYSTERIOUS EAST or  
HOW I LEARNED TO VERIFY THE BURMA B.S. IN JUST 291 EASY LESSONS

by Joltin' Gerry Dexter

Even now, several months after the victory, the word "Burma" evokes a slight shudder from this DX'er. Actually, my first encounter with the BBS came on a summer evening back in the early fifties. A young next-door neighbor...one of these 6-month DX'ers...had his bedroom window right across from mine. So when we sat at our sets, communication was easy. I recall calling over to him to ask if he was getting anything and his response to the effect that he had just heard Burma signing off! So, the next day, I was there waiting...and the next day..the next..the next: but still no BBS.

Eventually, although it was some months or years later, I did manage to hear BBS on their 5040 kHz frequency -- and as is the normal procedure, sent a report. And later a follow-up, and later a new report and another follow-up.

The following years brought the usual activities accompanying late teen years: college, girlfriends, transition. And although my DXing suffered only intermittently, there were so many new countries to log, new stations to verify...and more than a few were troublesome, even irritating in the QSL department. So, these things occupied my attention, but in the background there was always Burma..and why those people in Rangoon took such delight in ignoring me. An occasional report was tried, but with the same lack of smashing success.

Some four or five years ago, I had managed to get the countries verified gap down to just a handful and so I figured the time had come to concentrate on my friend's in Rangoon. I began to really go to work on 'em. A report. A follow-up, another report and follow-up. The months and years flowed by. Mint stamps. A prepared card. Nothing! The thing began to reach the point of an obsession with me.

Finally I managed to make contact with a non-BBS English-speaking individual in Rangoon who promised to work on the problem for me. Later, I was advised that the BBS had indeed received all my reports and that they were very gratified to have me as a listener! I was glad they were glad, but....: I later learned that the director of the BBS had no authority to issue a verification: such a vital decision had to be approved by the Minister of Communications! That's like the VOA having to check with the Secretary of State before confirming a report! Egad, I began to wonder what I was up against!

I tried a letter to the Minister. No answer. I decided those people should be made to realize what a bad image they were getting in the DX press, so I collected all references to the fact that Burma was a lousy verifier, had them copied and mailed off. Still nothing. I continued to exchange letters with my English-speaking friend in Rangoon who continued to badger the BBS, and its, by now, very harried director. By this time, I felt as if I was waging a one-man campaign on behalf of everybody who couldn't seem to QSL Burma. And the rare mention of some genius who, thru some unknown black art, had managed to snare a reply really set me off.

For some reason, Saturdays have always been notoriously bad days for mail at my shack. But one Saturday last fall the mailbox contained a letter from the Burmese Embassy in Washington. The letter verified my last report to the BBS. Completely. Date, fqy, time. I was stunned. I just stood there reading it over and over again. 15 years and some \$30...tied up in that piece of paper. There followed a scream of pure joy, a round of refreshments for the office staff, and congratulatory kisses from the girls who had listened to me moan and curse for so long.\*\*\*\*\*....Since then, I have cut the gap down to 1 country...Zanzibar. Somebody really should do something about that one. I wonder if I tried sending.....

NASWA REVIEWS THE HALLICRAFTERS SX-122A RECEIVER

by Al Niblack

The Hallicrafters Model SX-122A communications receiver was preceded by the SX-122 Receiver. Basically both receivers are the same with the minor exception that the later Model SX-122A has been upgraded by the replacement of the rectifier tube with solid state components. The SX-122A is a four band general coverage dual-conversion superheterodyne receiver tuning from 540 to 1600 kHz; and, from 1750 to 34000 kHz. You will note the small gap in coverage between 1600 and 1750 kHz. There may be other minor variations between the SX-122 and the SX-122A.

Hallicrafters has a reputation for manufacturing "pretty" receivers and the SX-122A is no exception. Upon removal from the shipping carton and packing materials, one's initial reaction is "Oh, what a beautiful receiver!"; but the SX-122A offers more than beauty...After all, beauty is only skin deep. Read on, and you will learn of the SX-122A's operational qualities.

As stated above, the SX-122A is a dual conversion receiver with a 1650 first RF-stage, followed by a 50 kHz second stage. This produces a high order of selectivity and optimum image rejection.

A tuned RF stage assures maximum sensitivity and a high signal-to-noise ratio for good reception of weak DX. It might be well to pause here and examine more closely the "front end" stages of the SX-122A Receiver. Hallicrafters has "broad-banded" the RF stage of the SX-122A; i.e., the RF stage does not automatically follow the tuning of the Main Tuning and Broadcast Band Tuning Controls. The RF Stage must be tuned manually as a separate control -- this control being quite critical. To make the RF stage track properly it is necessary to reset the control for each band, also resetting it as each band is swept, when tuning across it. This is a must. This control is also the Antenna Trimmer; adjustable from the front panel, it compensates for the leading effects of various antennas.

In the three "S" features this receiver measures up well:

STABILITY: Outstanding frequency stability is obtained by the use of ceramic trimmers and coil forms in the first-conversion oscillator; extensive temperature compensation; voltage regulation of oscillators; and, a crystal controlled second conversion stage (oscillator).

SELECTIVITY: A good degree of selectivity is made possible by (as mentioned above) dual conversion plus four high-Q, permeability-tuned circuits. Receiver selectivity is variable in three steps: 0.5 kHz, 2.5 kHz, and 5 kHz, at 6 DB down. Repeat points or "Images" are few and far between; when a signal shows up on the dials of this receiver the operator knows it as Gospel Truth. Actually, your author through the years of operation of the SX-100 Mark I, Mark II, and the SX-122 series has located only one repeat point. It is in the same spot on the dials of all this series.

SENSITIVITY: The SX-122A has excellent sensitivity; if a weak signal is present at the antenna terminals of the rx it will be reproduced at the phones or speaker. The SX-122a will produce real DX. Early production runs of the SX-122 (not the SX-122A) exhibited a low degree of sensitivity on the 12.5 - 34.0 mHz band. This was soon corrected and the sensitivity is first rate and uniform on all bands.

The SX-122A Receiver is quite physically sturdy, built into a steel cabinet with components mounted on a steel chassis. Angle braces are included and the top of the cabinet is perforated for better heat dissipation. Padder and trimmer capacitors are of high quality and the wiring is heavy duty. Thus, mechanical stability is assured.

(continued next page\_

BE ACTIVE IN YOUR HOBBY -- SUPPORT NASWA/FRENDX !!!

NASWA REVIEWS THE HALLICRAFTERS SX-122A RECEIVER(cont'd)

Actuation of both the Main Tuning and Bandsread is accomplished by a combined nylon and metal gears (inc. flywheels) mechanism. This arrangement provides for ease of precision tuning, close calibration, and ease in retuning (i.e., ability to be reset). Calibration of the SX-122A is fair, though the readings can in no way be taken as Frequency Meter quotations. Provisions are made for the receiver to accept a 100 kHz, Model HA-7 Crystal Calibrator.

The receiver also incorporates an Automatic Series Noise Limiter; an S Meter which reads to 60 DB over in calibration. (For the uninitiated, the meter reading and markings could be clarified: unless you have expertise on S Meter readings, you may have problems here. However, this is a minor point.) The Rx has an RF Gain Control; a highly responsive Audio Gain Control. The audio level produced at maximum setting of the AGC is much more than adequate; audio reproduction is clean and crisp. Band selection is accomplished by a Band Selector Switch. The BFO is tied in with the Mode, both upper and lower SSB being readily selectable -- as well as AM and CW reception. In addition to the conventional speaker outlet, the rx includes a headphones jack. For use by AROs the SX-122A includes a Remote Receive-Standby Switch.

Transmission line impedances are not critical, and the SX-122A will perform well with most any type of antenna from 50 to 600 ohms impedance. Arrangements are included for either balanced or unbalanced type antenna installation. Hallcrafters recommends a good ground for best reception and to eliminate any shock hazard.

For hearing the desired station and the elimination of an interfering hetrodyne, the SX-122A Receiver uses the "Exalted Carrier" method on AM reception. By setting the Variable Selectivity Control to 2.5 kHz, the receiver mode to USB, and then rocking the receiver Tuning till the signal is split, one can select the desired signal, nulling out the unwanted het. The BFO can be used as "Fine Tuning" in this situation.

This receiver is basically the older SX-100 Series as to schematic and design. The SX-122A is flexible in operation. However, it could in the reviewer's opinion) be upgraded by the inclusion of one more step of selectivity -- namely, a setting of 1.0 kHz bandwidth; and, the necessary T Notch Control.

The SX-122A is attractively finished in two tones of enamel (or laquer) and has well-lighted translucent dials; and, there is little parallax connected with read-out. It weighs in at approximately 29 lbs; it is a good general coverage receiver; the SX-122A has good stability, good selectivity, and good sensitivity. When listening with one, truly, "You will be over there". .....A. R. "Al" Niblack

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RADIO LIBERTY HURT BY CUTS IN FUNDS

Radio Liberty, one of the chief non-Communist sources of news for soviet citizens, may have to start selling its transmitters to meet appropriations cuts enacted by Congress...The decision already has been taken to liquidate some Radio Liberty activities developed over a period of 20 years, altho these activities could not be identified pending notice to affected employees.

Radio Free Europe, funded with R. Liberty and suffering the same budget cuts, will be required to violate existing labor contracts...The funding crisis for the two stations arose out of a still unresolved controversy when Sen. Clifford Case last

RADIO LIBERTY FEELS THE SQUEEZE (cont'd)

January (1971) proposed ending clandestine funding for the stations thru the CIA, in favor of direct government funding ... during stormy hearings, Chairman W. Fulbright suggested killing both overseas operations...Radio Liberty broadcasts 24 hours a day in 20 Soviet languages to the USSR, and is the only non-Communist source of news for the large Soviet Moslem population of Central Asia. Of eight transmitters in W. Germany, six in Spain, and three on Taiwan, all but one or two may have to be sold, meaning loss of frequencies, air time, and geographical coverage.....Radio Free Europe, which gets about \$19 million of the \$32 million for both stations, but which raises additionally \$3 million privately each year, faces a less-urgent situation but will be unable to participate in annual salary raise negotiations in W. Germany. If funds are not provided in 1973, RFE too will have to start curtailing operations.

.....the Chicago Tribune, 21 Dec. 71; via editor

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BEHIND THE MOSCOW QSL CRACKDOWN

by Al Sizer

As anyone who's recently tried to verify the Soviet republics knows, R. Moscow has toughened its verie policies. Where it was possible to get Moscow to QSL for Frunze and Ashkabad a year or so ago, it's not done anymore. Various explanations have emanaged from Moscow concerning the new policy. For instance, it's been indicated that the NA Service had become overburdened -- unlikely reason if Moscow was truly interested. Some American listeners have been told that only programs beamed to their area are elligible for verification. Others were informed that reports must be submitted both in the language heard and to the proper division of R. Moscow: LA Service, Afr. Service, etc. Response to this edict has not been good.

Recently RM responded to my plea that it QSL a detailed report on Alma Ata 10530 kHz with the following refusal: "RM only verifies pgms broadcast to foreign countries. Alma Ata doesn't broadcast to foreign countries." At the same time, while several years ago regional stations like Dunshanbe or Alma Ata were known to directly verify reports sent to them; this practice has been effectively squelched except in cases like Tashkent, which broadcasts with foreign listeners a target. An explanation for the new, harder Moscow line may be contained in a recent article in a French publication, National Defense Review. In it an Asian affairs expert, Lt. Col Jean Prautois, claims the USSR faces a growing problem of nationalism in its central Asian republics, bordering on Iran, Afghanistan, and China: namely Kazakh, Khirghiz, Turkmen, Tadzhhik and Uzbek SSR's. All have successfully resisted "Sovietization" attempts and maintained intact their language, culture and religion. Once the heart of a Moslem empire, they were conquered and colonized by Czarist armies a century ago. Although being run like colonies by their Soviet administrators, the people have "preserved their ancient traditions". Prautois predicts the Moslem population will have grown from 30 to 75 million by the century's end, forming one fifth of the Soviet Union's total population. "In the long run", the writer remarked, "the Moslem population can threaten the federal structures of the Soviet Union."

Moscow's unwillingness to encourage international recognition of the member republics may well account for the new hard verification line and explain why you and I are not getting any QSLs from Alma Ata and Dunshanbe these days.

.....DXer Al Sizer, Conn.

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FLASH!!!FLASH!!!FLASH!!! Word has been received from VSIB that an exclusive article is being prepared for NASWA/SWC, w/pix. Watch for it!!!

If there is ever a major fire in Rochester, NY, the local firemen can save time by heading directly for George Schnabel's house, since the fire will undoubtedly have sprung from his smoking typewriter! SWC is proud to present another of his authoritative works,

----- -- RADIO FREE BENGAL -- -----  
by George Schnabel

Noon, Friday, March 26th, 1971: Civil war broke out with Federal Pakistani troops firing into crowds of Bengalis. The troops were endeavoring to take over East Pakistan for the central government and followers of East Bengal's leader Sheikh Mujibur Rahman were attempting to make the province into the independent state of Bangla Desh.

Morning, Saturday, March 27th, 1971: President Agha Mohammed Yahya Khan of Pakistan addresses his nations over Radio Pakistan: "...I have ordered the armed forces to do their job and fully restore the authority of the government...."

At the same time that the president was speaking, Indian radio monitors in Delhi and Calcutta picked up a message broadcast from an apparently clandestine radio transmitter in East Pakistan: "...the Sheik (Mujibur) has declared the seventy-five million people of East Pakistan as citizens of the sovereign independent Bengali Nation..." the monitors quoted the announcer as saying. The broadcast went on to say that the East Bengal Regiment, East Pakistan Rifles, and the entire police force has surrounded West Pakistani troops in Agong and several other towns. It said that heavy fighting was continuing and called on the East Pakistan people to come out of their homes with whatever weapons they had and offer resistance to the West Pakistanis. It called for a general strike. The broadcast went on saying that Bangla Desh flags have been fluttering all over East Pakistan and millions of people led by the Awami League were ready to make any sacrifice to preserve the independence of Bangla Desh. Furthermore, the broadcast directed people to not obey "enemy" martial law administrators. Then came an appeal to the United Nations and to other Asian and African governments to rally to the cause of Bangla Desh.

In the college town of Rajshahi, 125 miles north of Calcutta and directly on the border, Pakistani troops shot their way into the local radio station killing or arresting employees who offered resistance. The Rajshahi station was a medium wave outlet of 10 kW broadcasting on 1080 kHz in Bengali, Urdu, and English for five hours daily. This left Bengal with the Dacca medium and shortwave outlets, in the south Chittagong's medium wave broadcaster on 870 kHz with 10 kW, in the north Rangpur with 10 kW on 1050 kHz and in the eastern corner Sylhet with just 2 kW on 1140 kHz.

The Dacca lineup of transmitters apparently was like so: Dacca I - call APD on 1165 kHz with 10 kW; Dacca II - call APD II on 690 kHz MW with 100 kW. Three short-wave transmitters operating with a power potential of 7.5 kW, 10 kW, and 100 kW on ten frequencies for internal (Bengali) coverage plus beams to West Pakistan with no International Service.

Morning, Sunday, March 28th, 1971: East Pakistan's rag-tag rebel are fighting for their lives against the armed-to-the-teeth West Pakistani troops. An Indian news agency reports 10,000 East Pakistanis killed in less than 2 days of civil war. Details of the situation are sketchy. The Federal Pakistan government imposed total censorship Friday after initial reports of the outbreak of civil war and all foreign newsmen were expelled from East Pakistan. As it is, each side now claims to have the upper hand.

--- At nightfall Radio Free Bengal claims that the East Pakistani separatist government called Bangla Desh is in control of most of the province.

--- Radio Pakistan says its Army is in complete control.

RADIO FREE BENGAL (cont'd)

--- Radio Free Bengal says that Pakistani Air Force jets roared into action to support hard-pressed ground troops who were encountering tough resistance from Liberation Army fighters. The latter are clad in sarongs and pajamas, many armed with nothing but sticks, knives, and axes.

--- Radio Pakistan says the rebel leader Sheik Mujibur has been arrested at his home in Dacca. However, this claim is cleverly refuted by the Bengalis. Radio Free Bengal has a speaker identifying himself as Sheik Mujibur and saying that Radio Pakistan's report is false and he's free and well, right in Chittagong.

--- Radio Free Bengal says that Lt. General Tikha Khan, the government's martial law administrator in East Pakistan was shot and killed during battle in Dacca. Radio Pakistan says that the claim that General Tikha Khan had been killed was false, he's alive and well in Dacca.

Evening, Monday, March 29th, 1971:

--- Radio Free Bengal claims that fighting is continuing in Dacca, the port city of Chittagong, and the towns of Rangpur and Khulna.

--- Radio Pakistan says the situation in the eastern provinces is returning to normal with all government employees going to work today, banks reopening and the curfew in Dacca lifted from 0700 hours until 1700 hours.

Evening, Tuesday, March 30th, 1971:

--- Radio Free Bengal announces that the Liberation Army and West Pakistani troops are locked in bitter struggle for the three major port cities of Chalna, Khulna and Chittagong.

--- Radio Dacca, the official federal station announces the situation in Chittagong, Khulna and Rangpur under control.

--- Radio Free Bengal contradicts these reports and claims that heavy fighting is continuing in Dacca, Chittagong, Khulna and Rangpur.

=====

Just before this exchange the official station Dacca goes off the air, giving rise to speculation that the compound with the transmitters has been seized by insurgents, other opinions have it that station equipment succumbed to sabotage from within. Also, Radio Pakistan, Lahore, monitored in Delhi is heard reporting an air strike by two Pakistani Air Force jets using rockets and machine guns against a blockhouse on the outskirts of Chittagong, said to contain a radio station. It is said that this station is now off the air.....

Several Asian DXers gave information on Radio Free Bengal. One DXer reporting from Ceylon noted Radio Pakistan, Dacca, announcing as: "Dacca Betar Kendra Bengla Desh", observed on frequencies of 690 kHz MW and on 11650, 11620 kHz shortwaves around 1400-1730 hours GMT. This seems rather unlikely due to the fact that the Dacca broadcasting facilities were seized by West Pakistani forces at the very outset of the civil disturbance.

Indian DXer B. L. Manohar of Lucknow, Uttar Pradesh, stated that he had reports from DXers in Assam of having observed the call Free Bengal Radio on medium waves and shortwaves. The frequencies given were 9850 kHz shortwave and 1200 kHz medium. Observed times were from 1330 GMT thru 1347 GMT and again 0130 GMT thru 0200 GMT with station announcing as SWAADHEEN BAANGLA BETAAR KENDRA THEKE, Free Bengal Wireless Station.

Summing it up, it would appear that Radio Free Bengal did in fact exist. Most probably it was the MW outlet in Chittagong until its destruction by Pakistani jets. Perhaps at a later time or perhaps at the same time, another station was operated most probably by Indian intelligence services technicians on AIR Indian technicians from abroad a vessel anchored in one of the many rivers near Calcutta.

.....from various newspaper clippings; compiled by George Schnabel, NY...

"...Cambodia's seven million people are receiving a great deal of attention these days, much of it over the airwaves. But sounds are sometimes not what they seem and listeners must be sceptical when they hear

"THIS IS THE VOICE OF ...."

by Boris Baczyński, Phnom Penh

"An old French Indochina president, who nightly regales Westerners assembled at various Phnom Penh watering holes with ever-fresh analyses of Cambodia's plight, says that seven in the evening is radio-listening time for the Khmers: soldiers of the Khmer Republic and communist forces string antennas out of foxholes; peasants press little receivers to their ears; and even Prime Minister Lon Nol turns on his bed-side radio. All, the Frenchman asserts, are listening to Radio Peking, and the voice of deposed leader Prince Norodom Sihanouk.

"The old Indochina hand exaggerates, of course. There are other listening hours and broadcasters. Besides Radio Peking, there are five other communist radio stations broadcasting for Cambodian listeners. Radio Hanoi and Liberation Radio (Vietcong) stations are listened to only by the few Khmer ideological communists. Radio Moscow offers mild fare of little interest to anybody. The clandestine Voice of the National United Front of Kampuchea, which according to one source broadcasts out of a hole in the ground in northeastern Kratie, according to another out of southern North Vietnam, produces a weak shortwave signal which occasionally fades out even on good receivers. The Voice of NUFK in French is also weak and probably has few listeners besides the United States foreign broadcast monitors in Bangkok.

"In addition, there is another station that claims to be the Voice of NUFK but is actually a CIA supported psychological ploy aiming to discredit Sihanouk and his cause. The station's transmitters are in Laos and broadcasts are in Khmer. It apparently supports Sihanouk, his exile government in Peking, and the Vietnamese communists, but actually feeds its listeners with information injurious to the communist cause.

"The station transmits three times a day, every day (morning, afternoon and night) on two shortwave frequencies from a CIA-managed camp Northwest of Pakse in Southern Laos. According to informed sources, broadcasts began in the spring of 1970, soon after Sihanouk was voted out of office.

"The station attempts to draw listeners by maintaining that it is the voice of the prince. But the real aim of its broadcast according to one source is "to create the impression among uneducated Khmers that Sihanouk does not have a Cambodian head, that he is no longer a real Khmer"...CIA functionaries reportedly started the project, but now the work is carried out by a trio of Cambodians, who write all programme scripts. The head of the operation is a Cambodian who studied in the USA and later worked for the Americans in the Thai province of Ubol, site of the Thai-American air base closest to Cambodia. He reportedly draws a salary of \$300 per month, paid in US currency.

"In its broadcasts the station uses many of the verbal straight-jackets which characterise propaganda transmissions of Hanoi, Peking, and the genuine Voice of NUFK...It occasionally airs genuine tape-recorded Sihanouk messages or other material that has been presented on the communist stations to help establish its credibility. But although the medium is communist, the message is subtly different...

"The station's special attraction is its occasional presentation of a bogus Sihanouk voice. Duplication of Cambodia's most famous voice, with its high-pitched tones, was reportedly once the task of a woman, but since she returned to Phnom Penh to have a baby the job has been handled by a radio technician -- with a little help from electronics. The existence of such a bogus Sihanouk has long been suspected by observers.

"Without a doubt the staple station is Radio Peking, however. It broadcasts simultaneously on the regular band and different shortwave frequencies, repeating hour-long material several times a day. The transmitters are powerful, and evening-time reception is almost as good as that of the two Phnom Penh stations. The station's unparalleled attraction is Prince Sihanouk, who is heard about twice weekly. Many Khmers do not bother listening to the station unless their former leader is at the microphone....Sihanouk's non-stop performances on radio are masterpieces of passion and excitement. When he gets wound up, the words cascade like rolling thunder....

"At seven in the evening in the privacy of their homes, the Khmers tune their receivers to the chimes, then the voice "Ananih saay samlong Pekin" (This is the Voice of Peking). If the evening's fare is confined to expressions of support for Palestinian rebels, analysis of North Korea's path to socialism, or accounts of battles won by the "peoples' national liberation forces of Kampuchea", the listeners might switch back to the Phnom Penh station because the music is better. If, however, Sihanouk is behind the microphone, the people will listen as their prince-in-exile exhorts, condemns, lies, educates, cajoles, and entertains."

...text excerpted from Far Eastern Economic Review, Vol. 73, #34, via RWP

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#### THE DRAKE SPR-4

Of my three receivers (R530, SS-IBS, SPR4) it is the Drake which I find myself using most frequently, chiefly because of ease in tuning and frequency identification, and the highly effective notch filter which renders heterodyne-effected signals totally readable. Shortly after installation, I had some crossmodulation difficulties with powerful signals chiefly on 31 meters, and increasingly on 25 meters. Replacement of these bands xtals reduced crossmodulation problems close to zero, provided that preselection is carried out carefully on each frequency within the band. A few cross-mod. products continue to be noted in the skirt areas outside the half-mHz ranges formally covered by each crystal.

I do not find the lack of variable bandwidth a severe drawback; in my opinion, a more serious flaw is the audio. The audio gain has to be turned up excessively, at times to maximum position. And on weaker stations, such a setting still fails to fill a large room. An outboard amp may be required. Several attempts to increase sensitivity and audio gain with an Ameco PCL-P preamp were unsuccessful; with the PCL-P switched in, a hash of powerful stations from elsewhere in the band was noted behind signals on most frequencies. Only with the preamp, however, did S-meter readings correspond to those routinely obtained on other rx's (e.g. HQ180A). Otherwise, S-meter readings are always low, in some cases exceedingly low, with many signals failing to deflect the meter at all. The S-meter is thus useless, especially when contrasted with that of the HQ180A. Similarly, audio quality suffers in comparison to the Hammarlund. Another HQ180A feature missing from the SPR4 is selectable sideband choice, without automatic switch-in of the BFO. The tone control on the SWA might have been usefully included. Unfortunately, as they produce more expensive receivers, Drake appears to drop useful features found on its less expensive predecessor models (e.g., the new \$2195 DSR-1 lacks a notch filter!) Finally, the choice of an audio plug for the antenna socket doesn't appeal to me. It is not comparable to the HQ180A's choice of a coax socket or 2 "A" and 1 "G" mounting screws. In addition, the noise blanker does not appear to work, and is not recommended as an optional accessory.

.....Dr. Richard E. Wood

Note from March publishers: Due to troubles with the stencils, the SWC section had to be retyped here. Any errors which occur are very likely originated here and not by the SWC editor. DF

# QSL REPORT

Gregg A. Calkin  
Rio Palsas 35-702  
Colonia Cuauhtemoc  
México 5, D.F. MEXICO

Deadline: 12th

Use Airmail to be Sure

## SCOREBOARD

Our featured continent this month is EUROPE. The next Scoreboard will appear in the QSL REPORT when the spotlight will fall on the Pacific area as we look at OCEANIA.

Name/Location	HIC VIC		HIS VIS		EUROPE		Prized QSL/Freq.
	HIC	VIC	HIS	VIS	HIC	VIC	
Don Jensen, Wisconsin	203	200	---	---	37	34	Polish Pathfinders 7306
Gerry L. Dexter, Wisconsin	202	199	908	668	37	37	R. Renascença, 6154, Port.
Bob Padula, Australia	199	190	---	---	36	35	R. Andorra, 5995 kHz
Barry Williams, New Zealand	196	187	---	---	36	36	LKJ, 6130 kHz, Norway
Bill S. Sparks, California	193	189	---	532	36	35	Esti Radio, 6085 kHz
Marlin A. Field, Michigan	191	185	715	562	41	41	Radio Luxembourg 6090 kHz
Dan Henderson, Maryland	191	162	---	---	34	31	Radio Riga, 7140 kHz
Alan H. Roth, Connecticut	190	167	530	396	37	35	Reykjavik, Iceland, 11780
James W. Young, California	196	138	---	---	36	30	Radio Andorra, 5995 kHz
Ernest S. Behr, Ontario	188	123	855	130	37	32	AFN Frankfurt, 5470 kHz
Marvin E. Robbins, Nebraska	182	152	678	363	---	---	-----
Alvin Sizer, Connecticut	181	171	614	245	35	34	Tromso, 7240 kHz, Norway
Edward Shaw, Virginia	181	158	---	---	32	32	FES/Athens, 6045 kHz
Dr. T. B. Williamson, Ontario	180	168	---	389	---	---	-----
Gregg A. Calkin, Ontario	175	159	250	168	33	30	Radio Nordsee Int., 6205
Hiroatsu Matsuura, Japan	169	158	---	---	32	32	Reykjavik, Iceland 11780
Jerry Berg, Massachusetts	166	153	---	---	---	---	-----
Bill Flynn, California	---	164	---	390	---	---	-----
Serge C. P. Neumann, Indiana	163	146	---	---	---	---	-----
Dan Ferguson, West Virginia	160	---	---	---	33	---	-----
Ralph Perry, Illinois	158	148	---	---	29	28	Radio Luxembourg, 6090 kHz
Craig Koukol, Illinois	158	130	---	143	31	30	Radio Nepal, 11970 kHz
Danny Jamison, Virginia	156	69	328	81	---	---	-----
Arthur Poulis, Massachusetts	154	113	---	---	31	29	FES/Athens, Greece 6043.5
A. E. Martin, England	153	134	---	---	33	20	NHBI, Athens, Greece
Bruce W. Churchill, California	153	127	193	151	30	23	Bayerischer Rundfunk 6085
Kris Lemna, Indiana	153	116	---	---	34	33	Radio Luxembourg, 6090 kHz
Jia Zabransky, Illinois	152	129	205	168	30	30	NHBI, Greece, 15345 kHz
Bob Brode, California	151	94	391	122	---	---	-----
Del Hirst, Texas	150	104	341	108	29	22	Radio Denmark, 9520 kHz
Chris Lobdell, Massachusetts	148	138	256	183	31	31	FES/Athens, 6045 kHz
Bill Martin, Delaware	145	86	170	69	32	30	VOA Thessaloniki 7235 kHz
Terry Adkins, California	144	88	258	100	---	---	-----
Steven P. d'Adolf, Mass.	140	106	---	---	30	29	-----
Mike Ryan, California	---	134	---	---	---	---	-----
Steve Kamp, California	131	104	295	179	23	19	Em. Nacional, 15125 kHz
Al Reynolds, N. C.	131	91	231	104	26	23	R.Monte Carlo, 7140 kHz
Richard Anderson, Illinois	130	115	---	160	37	36	Rinsk, Byelorussia 9660

39. Henry Michalenka, R. I.	129	109	224	126	32	32	RIAS/West Berlin, 6005
40. Tom Neely, Michigan	126	107	---	---	29	29	Trans-World Radio 7295
41. Mike Watman, New Hampshire	126	101	179	131	32	32	Bayerischer Rundfunk 6085
42. Bill Eddings, Pennsylvania	122	103	168	151	32	30	NHBI/Athens, Greece 15345
43. Paul Mayo, New York	120	51	140	55	30	22	FREC Seychelles 15185 kHz
44. Edward F. McElwain, Colorado	119	82	---	98	---	---	---
45. Rick Charnes, Massachusetts	117	73	176	85	29	27	Radio Belgrade, 15240 kHz
46. Andrew Pappas, Illinois	116	98	---	---	29	28	Athens, Greece, 15345 kHz
47. Richard L. Murphy, Texas	116	92	---	---	26	26	Minsk, Byelorussia 15150
48. Michael Seth, New York	116	73	253	81	---	---	---
49. Dean Bianco, New York	116	---	145	116	---	---	---
50. Brent Hallpern, Colorado	114	88	225	125	28	27	Radio Luxembourg, 6090
51. George Schnabel, New York	113	90	---	---	27	26	---
52. James S. Hurst, Maryland	112	95	161	132	26	25	Helsinki, Finland 15185
53. David R. Alpert, Illinois	112	93	---	---	34	33	RAI/Sicily, 6060 kHz
54. Thomas Henry, New York	111	76	174	86	---	---	---
55. Angelo Gero, New York	111	40	---	46	25	13	Sofia, Bulgaria, 9700 kHz
56. John Zaharek, Connecticut	110	99	184	139	29	29	Radio Vilnius, 11710 kHz
57. Wesley Huggins, North Carolina	110	90	230	160	22	18	Radio Denmark, 9520 kHz
58. Greg Kelley, Virginia	110	68	130	75	26	25	Radio Belgrade, 9620 kHz
59. Edward Kusalik, Ontario	109	92	110	90	---	---	---
60. Merio A. Sala, California	109	65	152	71	---	---	---
61. Gary S. Goltz, Penna.	107	79	142	90	29	27	Radio Peace/Progress 17890
62. Richard S. Heggis, B. C.	106	88	150	104	30	28	Radio Luxembourg, 6090
63. John T. Soneff, Louisiana	106	86	203	101	29	28	---
64. Irwin Glasberg, P. Q.	105	92	205	135	29	28	Poliskie R. Warsaw 11800
65. Jerry L. Green, Virginia	105	81	132	81	29	29	Radio Monte-Carlo 7135
66. Bill Schultz, Penna.	104	70	167	108	29	29	IBF, Turin, Italy, 5000
67. Mark S. Kosen, Wisconsin	104	64	---	---	29	24	Radio Portugal, Lisbon
68. John W. Hoogerheide, Michigan	104	49	---	---	---	---	---
69. Carroll R. Patterson, Ga.	110	97	240	131	30	26	Radio Portugal, 11935 kHz
70. Jerry M. Stuart, Oklahoma	100	88	150	135	23	23	VOA Thessaloniki, Greece
71. Bob Kirkpatrick, B. C.	99	75	122	81	27	27	Trans-World Radio, 7295
72. Price Kagay, California	98	87	---	---	29	27	---
73. Barry Glassberg, New York	98	75	---	---	28	27	Trans-World Radio, 7295
74. Jean Burnell, P. Q.	95	76	157	105	29	28	Radio Luxembourg, 6090
75. Harold Kalkstein, Penna.	95	55	130	65	27	20	Helsinki, Finland 15185
76. Kim Stenson, Vermont	94	68	128	77	---	---	---
77. Mark Schwing, Colorado	93	73	100	79	26	24	Radio Luxembourg, 6090
78. Leon Segal, New York	93	54	---	---	---	---	---
79. M. R. Leonhardt, Indiana	92	55	---	---	28	25	---
80. Dr. Wm. A. Caldwell, California	91	72	---	---	24	23	Helsinki, Finland 15185
81. Kent Leonard, Colorado	90	38	134	58	26	13	Radio Luxembourg, 6090
82. Thomas E. Jones, Minn.	88	59	137	74	21	12	Vatican Radio, 11740 kHz
83. Robert Moser, Illinois	87	63	---	92	23	20	Deutsche Welle, 5980 kHz
84. David Volle, Illinois	86	75	130	80	23	21	Trans-World Radio 7290
85. David Baltimore, Penna.	86	62	92	64	29	28	Lisbon, Portugal
86. Mrs. M. Marshall, North Dak.	85	77	120	106	29	28	Byelorussia, 9650 kHz
87. Ron Burns, Missouri	84	64	123	80	30	36	R.N.I., 6205 kHz
88. Peter Taylor, Ontario	83	65	116	68	27	24	Radio Denmark, 15165 kHz
89. Bill Coleman, North Carolina	82	21	---	---	---	---	---
90. Lawrence Scoville, New York	82	75	122	105	---	---	---
91. Bob E. Estand, Texas	81	79	100	97	29	29	NHBI, Athens, 11720 kHz
92. John Mraz, Pennsylvania	82	61	111	71	27	27	Voice of The West Lisbon
93. Peter Rudolph, California	81	62	88	62	23	22	Radio Denmark, 15165 kHz
94. Kevin Klemen, Wisconsin	81	29	116	32	---	---	---
95. George Morgenstern, Minn.	79	47	91	54	---	---	---
96. Ivan Grishin, Jr., Ontario	78	51	---	---	28	23	Radio Luxembourg, 6090 kHz



QSLs RECEIVED

A number of fine QSLs have been received this month, but in particular your editor would draw your attention to those from Radio Bangladesh, La Voz de Guatemala, Voice of Kenya, Radio Nederland/Talata, and the news included in the QSL from Radio Belize.

AFARS AND ISSAS: CRTF, Radio Djibouti, sent QSL folder w/all info in 19 days for mint stamps, IRC, French report. (Henderson) 4760, 25 days air for French rpt and 1-IRC. (Howard)

ALGERIA: R.T.A., gold/white card w/full data in 78 days air for French rpt and 2 IRCs (Dildine) 15420, card seemail w/sked in 10 weeks (Padula) 9660/9665, card of RTA w/rpt forms and sked for rpt on the Saut-al-Assifa Arab programme (Field)

ANGOLA: Emis. Orifical, 9535, cards show views of Luanda and Zebra; both air for original and f/up. 18 months overall; rpted in English w/1 IRC. Rare freq for Australi reception (Padula)

AUSTRALIA: Radio Australia, Shepparton, 21740, card in 8 months seemail (Lobdell) 6 1/2 months seemail for 4 IRCs (Dildine) 11710, 10 1/2 months seemail; card shows Ayers Rock, and site is given (Flum)

ABC-Melbourne, 9660, Nap card, full data in 108 days airmail for 3 IRCs (Leonhardt)

ABC-Perth, 9610, card air w/sked; 13 days for 2 IRCs (Kolb)

AUSTRIA: ORF, Vienna, 9510, Lake Scene card in 10 weeks air; 15230 kHz. Mountain Scene card; air in 9 weeks (Padula) 6155, card in 2 months (McClellan)

BANGLADESH: Radio Bangladesh, using Radio Pakistan stationary with "Pakistan" crossed out and "Bangladesh" substituted, answered my rpt. w/\$1 bill on 15522 in 16 days w/ske thank you letter from M. Habibullah, installation engineer. Alas no verie although he wants reception rpts. Have written again telling him what a QSL is. Rpts: Radio Bangladesh, 20 Green Road, Dacca-5, Bangladesh (Sizer)

BOLIVIA: La Cruz del Sur, La Paz, sent standard card and pennant in 1 month by air for mint stamps and a registered report. Verie signer: Augusto Clavio V., Director General. Card has no details but letter contains a verie statement (Churchill) antenna and mountain card w/no details; 21 days air for IRC and English registered rpt, on 2nd try. Pennant also received (Watman)

BRAZIL: Ceará Radio Clube, 15165, English letter w/verie statement, from V/S: Francisco Coelho Cabral, for English rpt and mint stamps, plus some used U.S. stamps. Rcvd in 3 weeks via registered airmail (Howard)

Radio Clube do Pará, Belém, 4865, Portuguese letter from V/S: Edyr Faiva

Proença, for a Portuguese rpt. Air in 19 days (Howard)

Radio Cultura de Sergipe, Aracaju, 3295, card with full data in 4 months on 5t try from V/S: Pedro da Silva Bastos, Superintendente Comercial. Self-addressed stamped envelope sent; reply by air (Field)

Radio Diario de Manha, Florianopolis, 9675, nice multi-colored embossed Xmas card, air, w/vague QSL text in English on reverse. 9 months for rpt in Port (Padula)

Radio Globo, 11605, paper card w/full data in 1 month for English rpt and IRCs (Smallshaw)

Radio Jornal do Comércio, ZYK-33, English letter from Artur Miranda, also two pennants, a color p/card of Recife, plus some mint Brazilian stamps. Received in 13 days via airmail (Howard)

BRITISH HONDURAS: Radio Belize replied w/map card for f/up on 1968 reception. Reply arrived in 9 days from V/S: G. Sandiford, Radio Engineer, who stated in an enclosed letter that Radio Belize planned to reinstate 3300 kHz channel by mid-1972. Full data (Churchill) Bravo, if true (Ed.)

BULGARIA: Sofia, 9700, "View of Melnik" card # 6 in series, w/light and dark blue cloth pennant; personal letter and honorary listener certificate. 70 days sea (Leonhar

BURMA: Rangoon, 5040, letter from Fe Kyaing, Second Secretary at the Burmese Embassy in Washington (Perry) 10 days (Henderson)

CANADA: CHU, Ottawa, 7335, card in 18 days (Kelleher)

Deutsche Welle, via Sackville, 9745, new multi-colored card from Cologne, with "Sackville" stated as "sender". Air in 10 weeks (Fadula)

CBC Northern See;? 5970, Eskimo sculpture card in 4 weeks (Jaunger)

CJCK, Sydney, N. S., 6010, green/black on white card with date and freq. only; 8 days air for mint stamps (Leonhardt)

CANARY ISLANDS: RFE, 15365, card in 11 days air from Madrid for 2 IRCs sent, one of which was returned (Flum)

CENTRAL AFRICAN REPUBLIC: R...C., Bangui, 5035, form letter/sked saying they are out of QSL-cards. 1 month air for 3 IRCs and French rpt (Dildine) 5038, form letter in 5 weeks air for 3 IRCs and French rpt to Technical Services Dept (Kamp)

CEYLON: CBC-Colombo, 15120, card of native animals, all data, air in 3 wks (Fadula)

CHAD: Fort-Lamy, 4904, second card in one month for 3 month old rpt; rpted in French w/ 3 IRCs (Ferry)

CHILE: Radio Presidente Balmaceda, 9590, long attractive white card w/full data in 5 months after Spanish rpt w/IRCs and 2 f/up's w/mint stamps (Ferry)

CHINA (People's Republic of): Peking sent picture card, sked, letter offering further info on request, for 7120 reception. 1 month total, air reply (Goldstein)

COLOMBIA: Radio Colosal, 4945, pennant and Spanish letter from Rafael Navarro I., Gerente for Spanish report and 2 IRCs. Received in 1 month (Howard)

Radio Sutatenza, folder w/b/w photo of transmitter room in 117 days seemail for Spanish rpt and 3 IRCs (Dildine) 5075, 52 days for 2 IRCs (Flum)

Transmisora Caldas, 5020, personal letter and pennant in 36 days for 2 IRCs; reply by seemail. No IRCs sent (Schmur)

Ondas del Meta, 4885, friendly Spanish letter from V/S: Roberto Barasty, for Spanish rpt of reception on Jan 1, plus mint stamps and small p/card. 17 days (Howard)

Emisora Nueva Granada, Bogota, 6162, letter in Spanish for taped report, in 2 months. No details (Marks)

COLORES IS: ORTF Boroni, letter air for registered rpt in 13 days; Rpted in French using NASWA French language rpt form w/3 IRCs (Henderson) Radio-Dzaoudzi, 7260,

replied in 16 days air with card showing aerial view of the islands and full data w/ sked on reverse. Rpted in French w/4 IRCs (Calkin)

CONGO (REP): RTVC Brazzaville, 9715, OCORA map card w/full data in 3 months for French rpt and 3 IRCs (Zabransky)

ORTF Brazzaville, 15190, card w/all data; IRCs sent. 5 weeks (Jaunger)

COSTA RICA: Faro del Caribe, TIFC, bilingual card w/time and frequency but no date. Also sked, form letter and magnificent purple/white felt banner with silk fringe,

shped like that of K&R&X only larger. 57 days air for Spanish rpt w/mint stamps (Dildi)

CUBA: Voice of Vietnam, 6060, interesting full data card showing US POW held at gun point plus than k you card and letter in 13 months. V/S: Hava Vau Auh (Smallshaw)

CZECHOSLOVAKIA: Radio Prague, 7345, black and white photo card, full data in 90 days by seemail. No return postage sent (Leonhardt) 21700, card in 35 days air (Katsura)

DENMARK: Radio Denmark, 15165, radiohouse aerial tower card in 14 days air for 1-IRC (Katsura) 17 days air for IRC (Flum)

DODECANESE IS: VOA Rhodes, 6015, blue card in 14 days from V/S: Rosemary Bailey (Duba)

ECUADOR: HCJB, 11745, card of sea wolf air in 26 days w/pennant and thank-you letter w 1972 calendar and religious leaflet (H. Marshall) 21 days air for 2 IRCs (Flum) 9615, card of "Equito compound at night". V/S: Roger Stubble (Lobdell) 22 days for 11745 air. (Kamp)

Radio Cenit, Portoviejo, 4770, form letter entitled "Archivo de Honor" and signed by Wilfrido Macias Farrales, Gerente. Took record time of 3 years and 2 months in transit!!! (Kam)

Radio Quito, 4923, Blue station card w/Spanish note for a Merry Christmas and a Happy New Year from the director; José Almeida; plus nice little pennant; rec. in 20 days (Howard)

EL SALVADOR: YSS, Radio Nacional, blue/white card w/veri statement only and pennant.

EL SALVADOR (cont'd): 70 days air for Spanish report and mint stamps (Dildine) 5980, card for taped report, plus small pennant (marks)

ENGLAND: VOA Woodferton, 9760, blue projection card in 10 days from Washington. V/S: Rosemary Bailey (Duba)

EQUATORIAL GUINEA: L/V de Guinea Ecuatorial, replied w/personal letter from the Director: Pedro Matu Namiaba after many tries. Enclosed pennant, and received one month after last Spanish report in which I sent 2 US 45 rpms. V/S was very friendly, and apologetic for station's past spotty QSL policy, and hopes that relations will improve and that they will "answer without delay in the future" (Perry) letter dated 7 months before sent, then 5 days to arrive; seamail from V/S: Conchita Eguema N'angué. 3 IRCs (Young)

EGYPTIAN ARAB REP: Radio Cairo, 9473, mimeo veri and personal note that QSLs being printed. 15 weeks (Lunger)

FINLAND: Radio Finland, 9565, card w/all data w/sked. 3 weeks (Lunger) 15185, map card w/headphones; air in 35 days w/sked (K. Marshall) 3 weeks air for 1-IRC (Danzher)

FRANCE: O.R.T.F., Paris, 11920, black and white photo card, all data in 140 days seamail for 2 IRCs (Leonhardt)

GAMBIA: Radio Gambia, Bathurst sent letter w/sked air in 19 days. 3 IRCs (Henderson) form letter w/verie statement, 36 days air for 2 ircs; also enclosed sked (Churchill)  
GEORGIA S.S.R. Radio Moscow/Armavir, 7200, card in 1 month specifying site (Kelleher)  
GERMAN FEDERAL REPUBLIC: Deutsche Welle, Köln, 15165, map card air in 4 months w/January programme sked. Also enclosed letter stating IRC is available to regular monitors (K. Marshall)

GHANA: Radio Ghana, Ejura, 11650, printed 4 color card in 2½ months (marks)

GREECE: VOA Thessaloniki, 11960, blue card in 14 days from V/S: Rosemary Bailey (Duba)

GREENLAND: Grønlands Radio, 11745, folder card w/color pic of radiohouse. Full data QSL and received 63 days air for 1-IRC w/brochure on Greenland and sked. V/S: H. Rasmussen (Watman)

GUATEMALA: La Voz de Guatemala, 6180, blue and white card w/full data from V/S: Rodolfo Chenal Luna, sub-Director General in 9 days air for Spanish report and 2 IRCs (Zabransky) 2 weeks w/blue/white flag card for Spanish report (Howard) Apologies are due at this point to Steve Lamp. We had stated that no card QSLs from TGWB had been reported before in FRENCH. However, Steve reported one to us in December 1970 which was noted in that month's QSL REPORT. At any rate, it now appears they are verifying again (ed.)

La Voz de Mahuala, 5360, Fire on the mountain card and pennant in 16 days for Spanish rpt w/mint stamps (Howard) hand-painted card and pennant after registered f/up w/50 centavo Guatemalan note and mint stamps. 5 months in total, 1 month after f/up. Rpted in Spanish w/3 IRCs (Calkin)

Radio Chortis, 3360, Spanish Christmas and New Year's card with written note on reverse from the Director: Prof. Raul Amilcar Basasola P., thanking me for rpt but no data. For Spanish rpt, mint stamps, Xmas card. 23 days air (Howard)

Radio Maya, TGBA, Barillas, Huehuetenango, 3320, letter in 5 months, 1 month after registered f/up with Guatemalan 50 centavo note and mint stamps. Full data letter from V/S: Loran W. Veith, Jr., Manager for english rpt on K'anjobal indian dialect programme (Calkin)

Radio Cultural, TGCA, 5955, letter and card for tape d report (marks) 9505, TGWB, Quetzal card, letter, sked and stamps in 17 days (Kelleher)

GUYANA: C.B.S., Georgetown, 3290, form letter in 1 month from Maurice Denny, C.D., (Field) 16 days air for mint stamps (Sparks)

HAITI: VEH, 9770, map folder QSL in 3½ months (Kelleher) 11635, map card w/sked in 7 weeks seamail for 2 IRCs (Danzher) 25 days air for SASL (Dildine)

HONDURAS: L/V del Junco, Sta. Barbara, 6077, long and friendly letter in Spanish w/date and veri statement from V/S: Antonio S. Hasbun Y., Director. Also 16 Anniversary pennant; 21 days air for Spanish report and mint stamps, registered (Zabransky)

- HONDURAS:** Radio Progreso, HRFL3, El Progreso, Yoro., 4920, friendly letter in 15 days air from V/S: Jerry E. Tolle, Gerente, with full data and details about station equip. and operation. Rpted and reply in Spanish. 3 IRCs (Calkin)  
La Voz Evangélica, 4820, nice card plus sked in 50 days for 3 IRCs (Tubbs)
- INDIA:** AIR Madras, 6065, friendly letter w/full data from V/S: D. F. Ramachandra, Audience Research Officer, 21 days air for report direct to madras. Mint stamps returned. ADDR: AIR, Mylapore, Madras-4 (Zabransky)
- INDONESIA:** RRI, Jogjakarta, 7110, card seamail in 19 weeks direct. Says transmitter is testing and wants reports (Padula)
- ISRAEL:** Isra'el Broadcasting Authority, 7225, and 6170, separate cards in 15 and 19 weeks seamail (Padula)
- ITALY:** RAI, colorful antenna card w/map of Italy by air in 79 days (Tubbs) 2 months air for IRCs (Dildine)
- JAPAN:** NHK, 17765, colorful card, 1972 calendar and rpt form in 28 days air. No IRCs (kolb)
- KENYA:** Voice of Kenya, 4915, air letter in 3 weeks for 5 IRCs (Sparks) after anumber of tries in the last 3 years. V. of Kenya has verified my English rpt w/4 IRCs on 4915 w/aerogram, color imprints of station, all data in 17 days (Sizer)
- KOREA (Rep):** VOFK Seoul, Buddhist pagoda card w/sked on reverse, for English taped rpt (Marks)
- KUWAIT:** Radio Kuwait, map/folder card w/info on station and country, full data in 1 month for IRCs. Rpted 15345 kHz (Smallshaw) folder card QSL in 61 days with all data; 3 IRCs (Keonhardt)
- LESOTHO:** Radio Lesotho, 4600, map card in 3 weeks for mint stamps (Field) 16 days air for 2 IRCs (Young) 16 days air for English rpt w/mint stamps (Sizer) 16 days air for 2 IRCs (Henderson)
- LIBERIA:** VOA Monrovia, 17855, card from Washington for taped report (Marks)
- LUXEMBOURG:** Radio Luxembourg, 6090, antenna and crest card, all data in 123 days sea mail for 2 IRCs (Leonhardt) 3½ months for 6090 (Kelleher) 2 months (McClellan)
- MALAGASY REPUBLIC:** Radio Nederland, Tananarive, 15260, map card in 8 days air for 1-IRC (Blossom) 1 week (Field) 15260, card air from Hilversum in 10 days (Dexter) 15330, air in 3 weeks (Padula) 19 days for IRC (Watman) 8 days (Zabransky) 15260, "Happy Station" card w/site marked (Lobdell) 8 days for 1-IRC (d'Adolf) 11 days (Dildine) 11 days (Michalenska) 15260, 12 days (Leonhardt)
- MALAYSIA:** Radio Malaysia, 11900, flag/map card w/frequency specified and Broadcasting Centre card w/no data for two receptions, in 55 and 141 days by air (Hiatsura)
- MALI:** Radio Mali, Bamako, 11960, card airmail in 6 weeks for English report w/3 IRCs. Short French message included that my monitoring is appreciated (Padula)
- MAURITANIA:** Radio Mauritania, 4850, multicolored silhouette map card of Africa, with full details, including sked, by surface mail in 42 days for HASWA French rpt and IRC (Watman)
- MEXICO:** Radio México, 9705, paper thin card, letter and large pennant, 15 weeks for mint stamps from V/S: Lic. Victoria E. Perez de Leon (Sparks)  
Radio Alma Musical, XERTP, 3200, personal letter in 10 days saying my reception was of the 1st harmonic. V/S: Oscar Ortega Daniels, Dir. Gen. SASE sent (Field)
- MOROCCO:** VOA, Tangier, 9760, card in 20 days from V/S: Rosemary Daily (Kelleher)
- MOZAMBIQUE:** Radio Clube de Moçambique, 11020, color pic card of studio building, w/freq. and veri statement in 49 days seamail for IRC and English report (Watman)
- NETHERLANDS ANTILLES:** Radio Nederland, Bonaire, 15310, card in 9 days air (ilum) 9715, 9 days air (H. Marshall) (Hiatsuu)
- NEPAL:** Radio Nepal, 7105, white card w/full data in 190 days for 2 IRCs from K.B. Khattry,

NEW ZEALAND: Radio Mabaul, 2265, folder w/full data in 10 days air for 1-IRC from V/S: Paul Cox (Matsuura)

NEW GUINEA: Radio Wewak, 3335, folder w/full data in 24 days air for 1-IRC from V/S: Lure B. Umb (Matsuura)

NICARAGUA: Radio Nacional, 11875, Spanish letter w/date from V/S: Douglas Amaya, Director Artistico; also small blue pennant in 19 days air for Spanish report; SAE and mint stamps sent and used (Zabransky)

NIGERIA: NBC/Calabar, 6145, very pleasant letter from D. A. Dessey, Officer-in-Charge, 3 weeks air for 2 IRCs and report direct. Address: NBC, Broadcasting House, Calabar (Zabransky)

NORWAY: Radio Norway sent snow scene card, all data including site for Tromso, 7240, in 6 weeks for English report. No return postage sent (Sizer)

PAFUA: Radio Central, Fort Moresby, 9575 (VLGRH, ex-11880) folder card, air in 2½ weeks for mint stamps. V/S: H. Smeaton, Station Manager (Fadula)

Radio Western District, 3305, folder w/no data in 61 days for 2 IRCs (Matsuura)

PERU: Radio Atlanta, 4990, letter was returned by post office saying that station is no longer operating. 4 months (Field)

Radio del Pacifico, 4975, map and cross card from Lorne Kliever, Engineer, who also sent folder about station and a bumper sticker for an English report and mint stamps. Received in 23 days via airmail (Howard) 9675, answered my English rpt with mint stamps in 36 days air from V/S: C. Ray Shiffer (Michalenka)

Radio Chanchamayo, 3895, card and pennant in 2 weeks after f/up w/mint stamps (Sparks)

PHILIPPINES: Radio Veritas, 15215, card and letter from V/S: Efren Arriola, Audience Researcher, 3 weeks for 1-IRC. Spectial test freq. used one days only (Fadula) 33 days air for 1-IRC from V/S: José B. Buendia, Audience Researcher, for Japanese test transmissions (Matsuura) card, all data in 30 days for English rpt and 3 IRCs on 15215, although station says 15210 (Sizer)

VOA/Tinang, 9640, card in 20 days from Washington (Kelleher)

FLBC/Manila, 11920, globe card, rose color, English programme guide,

letter and religious enclosure (A. Marshall)

POLAND: Polish Radio, Warsaw, 6135, colorful map card w/personal letter (Kelleher) 9540, map card w/sked in 40 days; no IRCs (Danzer)

PORTUGAL: IERRA Radio, via Sines, multi-colored card airmail in 12 weeks (Fadula)

PORTUGUESE GUINEA: Mis. da Guiné Portuguesa, 5041, green multi-lingual folder QSL w/ date and freq. from Maria Conception, postcard w/sked info on reverse, via air in 3 weeks for Portuguese rpt and mint stamps (d'Adolf) 12 days air for mint stamps (Schnur)

R.S.F.S.S.: Radio Moscow, Moscow, 7290, card in 1 month w/site listed (Kelleher) 9700, world map card in 1 month air plus report forms (Duba) Did they include the site? (d.)

"Radio Moscow", 7125, card w/full data and note saying IRCs not req'd 6 weeks (Goldstein) Site? (Ed.)

Radio Moscow/Sverdlovsk, 7150, card in 1 month w/site listed (Kelleher)

RWA/DA: Deutsche Welle, Kigali, 11965, blue/yellow African map card w/programm sked in 45 days airmail. No IRCs (Duba)

RYUKYU IS: VOA, 7125, card w/no time in 8 days. V/S: Rosemary Bailey (Watman)

SARAWAK: Radio Malaysia, Kuching, 4695, photocard of studios w/full data in 15 days air for 1-IRC (Matsuura)

SAUDI ARABIA: Saudi Arabian Broadcasting, 11855, plain white card w/crest in green, w/full data in 35 days air for 2 IRCs. V/S: Werner Storg, Box 2476, Riyadh (Watman)

SENEGAL: Radio Sénégal, 4690, stringed instrument card in 23 days for French report w/mint stamps (Howard)

SEYCHELLES: FLBA, 11950, usual blue/white card, sked and religious literature; 1 month airmail for 3 IRCs. V/S: Mary Berry (Duba) 11950, card, sked, air in 44 days (Iappas) 3½ days via air for 2 IRCs from above V/S, the QSL Secretary (Churchill) 35 days air for 3 IRCs, w/sked (Leonhardt) Has Brenda Bacon been purged? (d.)

- SINGAPORE:** Radio Singapore sends card in 16 days for English rpt and mint stamps; for report on 5052 kHz. V/S: Head of Broadcasting (Henderson)
- SOUTH AFRICA:** Springbok Radio, 6195, blue card in 24 days for 1-IRC (Howard) 30 days w/multicolored "industries" card; 2 IRCS (Leonhardt) 4965, card in 36 days (Howard)
- SPAIN:** RNE, Roblejas, 9520, color cardw/spanish text on reverse, in 11 days for IRC (Flum) 15195, verie statement on sked in 145 days (Kelleher) Arganda, blue folder-type card w/printed sked in Spanish; 1 month (Marks)
- SUDAN:** Omdurman, 4994, form letter w/date only in 2 months air for 3 IRCS (Dildine) 9505, 34 days w/ form letter seamail. 3 IRCS. (Schnur)
- SWEDEN:** Radio Sweden, 9670, card airmail in 4 weeks (Fadula) 15105, Northern Lights card in 26 days air (Matsuura)
- SWITZERLAND:** SBC/Sottens, 21585, card and stamps from J. H. Chisholm in 6 wks (Field) 15305, 14 days w/ b/w antenna card (Kelleher) 9535, 12 days air for 1-IRC (Blossom)
- TAIWAN:** VOFC, Taipei, 15125, sked, VOFC monthly, p/card and QSL in 74 days air on second try. 2 IRCS (Duba)
- TRUCIAL STATES:** Smit-as-Sahil, Dubai, 6040, card w/full details in 1 month for English report and 3 IRCS (Terry)
- TUNISIA:** Tunis, 6195, beautiful color card of Tunis street; seamail in 14 days (Schnur)
- TURKEY:** Voice of Turkey, Ankara, 15195, native dancers card, colored, seamail in 20 weeks, plus sked and station booklet. First reply in sometime (Fadula)
- TURKS AND CAICOS IS:** Letter from Manager confirming Christmas Eve broadcast for 3 IRCS; 2 weeks by air. (Brooks)
- URUGUAY:** SOBRE, Montevideo, 15273, letter in 2 months from V/S: Jaime Foo Bravo, Director of Radio Programas. (Field)  
Radio El Espectador, 11835, white card for English report and 2 IRCS. V/S: Hector Amengual. Pennant also received (Neely)
- VENEZUELA:** Radio Caracas, 4920, letter presented while visiting station brought QSL from Ignacio A. Ortiz, Director de Prensa y Informacion, Apt 2057, Barcenas A Rio, Caracas. After 13 years!!! (Roth) Congrats Qli (Ed.)

And with that we end another edition. Sincere thanks to the following 66 reporters: (for February and March issues)

- |                         |                            |                            |
|-------------------------|----------------------------|----------------------------|
| Steven d'Adolf, Mass.   | Bob Ingram, Ohio           | Ralph W. Ferry, Ill.       |
| Richard d'Angelo, N. Y. | Ed Insinger, New Jersey    | W. J. Flum, New Jersey     |
| Jerry Berg, Mass        | Steve Kamp, California     | Edward Richardson, La.     |
| Tom Blossom, Ind.       | Robert Kelleher, N. Y.     | Jim Roberts, Manitoba      |
| Chris Brooks, Colorado  | Greg Kelley, Virginia      | evan Rosen, New York       |
| Ron Bruns, Missouri     | Kevin Kepes, Penna.        | Alan Roth, Connecticut     |
| Jean Burnell, P. Q.     | Neal E. Kolb, Florida      | Ken Schnur, New York       |
| Bruce Churchill, Calif. | Mark S. Konen, Wisc.       | Bill Schultz, Penna.       |
| Gregg A. Calkin, Mexico | Ben Lewis, Mass.           | Harold Sellers, Ontario    |
| Gregory Dansher, N. Y.  | H. R. Leonhardt, Ind.      | Alvin Sizer, Connecticut   |
| Gerry Dexter, Wisc.     | Albert Linsenmeyer, Ill.   | Henry Slade, Massachusetts |
| Donald D. Dickey, Minn. | Chris Lobdell, Mass.       | John Smallshaw, Wisc.      |
| R.S. Dildine, Virginia  | Anthony Marks, Oregon      | Bill Sparks, California    |
| Mrs. E. Dolyak, Iowa    | Mrs. M. Marshall, N. Dak.  | Dillard Stone, Texas       |
| Mark A. Duba, Vt.       | H. Matsuura, Japan         | David Sturm, New Jersey    |
| Kim Elliott, Missouri   | Doug McClellan, New Mexico | Dave Tubbs, Utah           |
| Dan Ferguson, W. Va.    | Hank Michalenka, R.I.      | James W. Young, California |
| Marlin A. Field, Mich.  | Christopher Nilly, Md.     | John Walenter, Illinois    |
| Francis Goldstein, Pa.  | Bob Fadula, Australia      | Ike Watman, New Hampshire  |
| Norman Hancheruk, P. Q. | Doug Hanger, New Mexico    | Cornelius Webb, Texas      |
| Dan Henderson, Ind.     | Andrew Pappas, Illinois    | Dr. Richard Wood, La.      |
| Ron Howard, Md.         | Carroll R. Patterson, Ga.  | Jim Zabransky, Illinois    |

QSL OF THE MONTHCKWX  
RADIO

604 684 5131



1278 BURRARD ST., VANCOUVER 1, CANADA

May 19, 1970

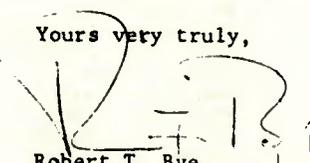
Mr. Andy Kerr,  
P. O. Box 322,  
Creswell, Oregon 97426

Dear Mr. Kerr:

We are pleased to acknowledge  
your letter reporting reception of CKFX,  
Vancouver.

We have checked your report  
and are most happy to confirm its accuracy.

Yours very truly,

  
Robert T. Bye,  
Program Manager

/lg

Our featured QSL this month is shown to us by member Andy Kerr of Oregon, who has caught one of the hardest to hear North American stations in the form of the 10 watt CKFX transmitter which operates from Vancouver, B. C. on 6680 kHz. A fine catch and greatly in demand in many collections!

Remember if you have received a new or interesting QSL which might be of interest to other members who not submit it (or a clear photocopy) to inclusion in QSL OF THE MONTH. It will be returned immediately to you, unharmed. Until April, Best 7.8, 6680.

News  
Tips  
Skeds

LISTENERS NOTEBOOK  
LISTENERS NOTEBOOK  
LISTENERS NOTEBOOK

Deadline - 18th

Dan Ferguson, 1521 Smith Road, Apt. 7, Charleston, W.Va. 25314. Phone (304) 346-5738  
\*\*\*\*\*  
We'll start off with some corrections, sent by Larry Magne.

ALGERIA Sked given in Feb invalid since early 1972. Current sked:

Arabic Home Service

0600-0900 6080, 7145  
0600-1800 11810  
0660-0000 9660, 11966  
0900-1800 11715, 11921, 15285, 15410v  
1800-0000 6080

French Home Service

0600-0900 7220, 9510, 11835  
1200-1830 11835, 15420  
1200-0000 9510

Arabic for Arab World

1800-2100 7145, 7250, 9660, 11966

French Foreign Service

2100-2300 7220, 9725

Kabyle Service

0600-0900 9685  
1200-0000 9685

Clandestines via RTVA are now:

"Voice of Liberty" in Portuguese,

2030-2050 Mon & Wed on 9510  
0015-0100 Sun on 890MW, 6080, 9510, 9685, 11810

"Voice of the Storm" in Arabic:

1830-1930 6080, 7145, 7250, 9510, 9660, 9685, 11966. (Also via Cairo at 1730-1930 on 872MW, 9755) (BBC MS & Larry Magne)

GUINEA Cf Feb LN. The clandestine 4970

(measured 4969.8) sked is actually daily: 0620-0650 French  
0650-0715 Vernaculars(usually)  
0715-0725 French(music)  
2100-2135 French  
2135-2155 Vernaculars(usually)  
2155-2205 French  
(per listening here - Larry Magne)

RECORDINGS Sara Stillman has offered to

provide members with a small recording of professional quality IDs from 30 countries, recorded in Finland. NASWA members only please send name, address, and 25 cents postage to Sara K. Stillman, 1394 Third Avenue, New York City 10021. No other charge.....Many thanks, Sara, for this generous offer!(via Ed Shaw)

Another correction: BBC MS reports that the new Thai pgm from R.Malaysia at 1315-1330 is on 6100 kHz, not 11900 as reported earlier. (BBC MS)

GREENLAND Somehow this was omitted last month, but still is of interest. Ron Howard notes that QSL from Gronlands Radio gives power on 3999, 5960, 5980 as 1 kw. Power on 9575 and 11745 is given as 10 kw.(R.Howard)

RADIO NEDERLAND

Changes in the R.Nederland sked as from 5 March are:  
0800-0920 Indon to SEA on M17790(new tx)  
0930-1050 Dutch to SEA on M17810(new tx)  
1100-1220 Eng to W.Australia on M15195  
1230-1350 Indon to SEA on L17810, M15330  
1230-1350 SS to Eur on L15130, L6020  
1400-1520 EE to S&SEA on L21480, L17810, M11785(ex 15330 sked), L6020  
1530-1650 Dutch to ME/Eur, L17810, M11785 (ex 11895 sked), L6020  
1600-1615 M,Tu,F SS to SA on L25970(ex 21640; and L21570)  
1700-1715 Tu,F EE to NA on 21640(ex 21630)  
1700-1830 Sun,Dutch to SA on 21640(ex 21630)  
1830-1950 EE to S.Afr. on M 6020  
2000-2120 SS to Eur on L9715(ex 7180), L608 and L 6020  
2130-2250 EE to E.Australia on M7290(new)  
2300-0020 Indon to SEA on M7105(new tx)  
0030-0150 EE to SEA on M 7105  
(R.Nederland sked, via DF)

MALAYSIA "Voice of Malaysia"

0625-0855 15280,11900, 6175 English  
0900-1600 15280, 6175 Indonesian  
2315-0015 7220, 6175, 6100 Indonesian  
1100-1300 11900 Standard Chinese.  
(BBC MS)

SUDAN R.Omdurman began foreign svc in AA for "expatriates everywhere" on 15 Jan. Broadcast is at 1800-1900 except Sat, when is at 1900-2000. Fqys are 11835, 6150, 4994 and 620 kHz. (BBC MS)

DOMINICAN REPUBLIC From 21 Jan, time in DR is GMT-5 hrs, after clocks retarded 30 min. (BBC MS)

IVORY COAST Commenting on the short list of West African stations in the February 72 LN section, James P. Ronda notes that English can be heard each Saturday from Radio Abidjan on 11920 kHz at 1830-1955. The program of American and African music, and news is hosted by Rosemary Adams. Reception generally poor at 1830, but improved by 1900, usually. "The people at the English Section seem very nice..." (James P. Ronda)

Sweden Changes for R. Sweden transmissions are as follows, beginning 5 March. To FE at 1230-1300(EE) and 1300-1330(Sw) on 15105, ex 6065. To FE at 2015-2045(RR) and 2045-2115(EE) on 9715, ex 9745. The transmissions to NA remain unchanged, on 6175 at 0000-0230, on 11705 at 0300-0330, with English at 0030-0100 and 0330-0400. (Radio Sweden)

POLAND Corky Webb asks where the Polish HS & FS sked was in Feb LN. Well, it was omitted! Sorry for that. The following sked is from BBC MS and dated November 1971, so there are very likely some differences in the current sked. The following should serve as a pretty good guide, though.

0000-0200	Polish for seamen	on	11840, 11815, 9675, 9525, 7270, 6035
	Concert to Europe		7285, 6135, 5995, 1502
0200-0400	Polish/English to NA		15120, 11840, 11815, 9675, 7285, 6135, 6035
0400-0430	Spanish		7285, 6135
0400-0600	Polish for seamen		9675, 9525, 7145, 7125
0430-0500	Italian		7285, 6135, 1502
0500-0530	Esperanto to Europe		7285, 6135, 1502
0530-0600	Czech		7285, 6135, 1502
0600-0630	French		9675, 7285, 7270
0600-7---	Polish for Poles abroad		7145, 7125, 6135, 6035, 1502
0630-0700	English		9675, 7285, 7270
0700-0800	Polish for Poles abroad		9675, 7270, 7145, 1502
1130-1200	Arabic		15275, 15120, 9540
	French		11815, 9525
	Swedish		6135, 5995, 1502
1200-1230	English		15120, 9540
	German		9525, 7125, 6135, 5995, 1502
	Italian		11840, 9675
1230-1300	English to Africa		17865, 15275
	Spanish		15120, 9540
1230-1400	Concert to Europe		11815, 9525, 6135, 5995, 1502
1300-1330	French to Africa		17865, 15275
1300-1400	Polish for Poles abroad		15120, 9540
1330-1400	Spanish		17865, 15275
1400-1430	Arabic		17865, 15275, 9525
1400-1500	Polish for seamen		15120, 11815, 9540, 6135, 5995, 1502
1430-1530	Polish for Poles abroad		9765, 7145, 6035
1500-1530	German		9540, 7270, 7125
	Swedish		6135, 5995, 1502
1530-1600	Danish		7270, 6035, 5995, 1502
	Esperanto to Europe		9675, 9540, 7145
	Finnish		7125, 6135
1600-1630	Arabic		17865, 15275
	English		9540, 7270, 7125, 6035
	Swedish		6135, 5995, 1502
1630-1700	English to Africa		17865, 15275
	German		7125, 6035
1630-1730	Polish for Poles abroad		9540, 7270, 6135, 5995, 1502
1700-1730	Danish		7125, 6035
	French to Africa		17865, 15275

1730-1800	Finnish	7125, 6135
	German	9540, 7270, 6035, 5995, 1502
	Italian	9675, 7145
1800-1830	French to Europe	9540, 7270
	Polish for Poles abroad	7125, 6035
	Spanish	9675
	Swedish	6135, 5995, 1502
1830-1900	Czech	6135, 5995, 1502
	English to Europe	9540, 7270, 7125, 6035
	French to Africa	17865, 9675
1900-2000	Arabic	17865, 9675, 9540
	German	7125, 6135, 6035, 5995, 1502
2000-2030	Danish	7125, 6035
	English to Africa	17865, 9675
	Finnish	6135, 5995, 1502
	French to Europe	9540, 7270
2030-2100	English to Europe	9540, 7270
	French	6035, 5995, 1502
	Polish for Poles abroad	7125, 6135
2030-2130	Italian	9675
2100-2130	German	9540, 7270, 7125, 6035
	Swedish	6135, 5995, 1502
2130-2200	Czech	6135, 5995, 1502
	French to Europe	9540, 7270
	Polish for Poles abroad	9675, 7125, 6035
2200-2230	Italian	9540, 7270, 6135, 5995, 1502
2230-2300	English to Europe	9540, 7270, 6135, 5995, 1502
2300-0000	Spanish	11840, 9525
2303-0000	German	9540, 7270, 6135, 1502

The Home Service schedule shows the following transmissions:

0400-0600 on 11765, 6085  
 0600-0650 11765, 7180  
 0700-1530 11715, 7180  
 1545-2300 7270, 6095

(BBC Monitoring Service)

CHINA On the following pages you will find the foreign service schedule for Radio Peking. I have available here a fairly comprehensive home service schedule for R. Peking, plus the sked of txs to Taiwan. It looks like there will not be room to include them in LN this month. So, if you are interested in those transmissions, I will send a copy of the skeds for SASE with two stamps on it. (DF)

UZBEK SSR R.Tashkent has added another frequency, 7145 kHz to the FS transmissions in the 1600-1800 time slot. This in addition to the recently new 6040 kHz (BBC MS)

ENGLAND -PIRATE... Recent SCDX editions (1157 & 1160) mention a stn called World-Inusic Radio, said to be on 6065 kHz, ex 6040, and heard 1 Jan at 1400. Has this ever been heard here in North America? (SCDX via DF)

QATAR SCDX#1157 quotes Abdul Wahid, Pakistan, to the effect that QBS has English at 1200-1300 on 9570. Address given as QBS, P.O. Box 1414, Doha, QATAR. (SCDX)

FINLAND OYA has anned tests to begin early March as follows:

0600-0630 to Persian Gulf on 21605  
 1000-1115 to the NE on 21595  
 1200-1315 to West Coast of Africa on 21595  
 1500-1830 to SA on 21605.

Power is given as 1 kw.

(BBC Monitoring Service)

CHINA Radio Peking, schedule of external services, via BBC, with last minute changes noted by Larry Magne. Hu = Huhehot, Ha = Hailar, L = Khasa, T = Tirana. S = SSE

0001-0030 Hakka to SEA on 15080, 11695, 9365, 6450S, 6520, 5545, 4200  
 0001-0055 Burmese on 15510, 12450, 12405S, 11865, 7620, 5250S  
 English to ECNA on 15060, 11675, 8300, 6810  
 Port to Brazil on 11660S, 9860, 9340, 8490, 6270  
 Spanish to SA on 15520, 15095, 11650, 11630S, 9440, 9030, 8345, 7780, 7590, 6995, 6955, 5220, Tirana: 9502, 7125.

0030-0055 Chaochow to SEA 15350, 15080, 11980, 11695, 11455, 9365, 8450S, 8240, 5545

0100-0155 Cantonese to the Americas on 15480S, 15420, 15198, 15080, 12450, 12405S, 11685, 8300, 6810  
 English to ECNA on 17590S, 15060, 12080, 12055, 12010, 11455, 11443, 10865, 9971, 9390, 8240, Tirana- 9780, 7125  
 Spanish to Carib, No.SA, on 15385, 15220, 15095, 15045, 11980, 11650, 11630S, 11600, 9030, 8425, 8345, 6995

0200-0255 Standard Chinese to Americas on 15480S, 15420, 15198, 15080, 12450, 12405S, 11695, 11685, 11675, 8300  
 English to ECNA on 17490S, 15060, 12055, 11455, 10865, 9971, 9390, 8240  
 Spanish to Carib 17835, 17532, 15385, 15220, 15165, 15095, 15045, 12080, 12010, 11980, 11860, 11650, 11630S, 11600, 8425, Tirana: 9502, 7125

0300-0355 Cantonese to NA/CA/SA, 15480S, 15220, 15080, 12450, 12405S, 12055, 11980, 11675, 8300  
 English to WCNA 15165, 15095, 15060, 12080, 11650, 10865, 9460, 8240, Tirana: 9780, 7125  
 Spanish to SA 17532, 15420, 15045, 11630S

0400-0455 Stan.Chinese to NA/CA/SA on 15480S, 15420, 15080, 12450, 12055, 11980, 11675, 8300  
 English to WCNA on 15095, 15060, 10865, 9460, 8240

0400-0455 Czech to Eur 17820, 17532, 11845, 11660, 11630S, 9900, 8260, 1457T

0500-0530 Indonesian 17825, 17735, 17680, 15080, 15060, 11675, 8300  
 0600-0655 Polish 17820, 11675, 10865, 8425, Tirana: 1457

0830-0900 Indonesian 17680, 17650, 15080, 11685, 11630S, 8345  
 0830-0930 EE to ANZ 15435, 15060, 12450, 12405S, 11720, 11600, 8660S  
 0900-0955 Indonesian 17795, 17680, 15095, 15080, 12055, 11740, 11685, 11455, 9880, 8450S, 5545, 4200  
 St.Chinese to SEA 17745, 15270, 12015, 11630S, 9480, 9365, 8345, 7620, 6810, 5030

0930-0955 Tagalog to Phil. 15120, 12112, 8490, 6995, 6825S, 5220  
 0930-1025 EE to ANZ 15435, 15060, 12450, 12405S, 11720, 11600, 8660S  
 0930-1530 Japanese 7480, 6955, 4997S, 4960, 3960, 1040, 920, 720

1000-1025 Malay 17680, 15095, 12055, 8450S, 6995, 6520, 5220  
 1000-1100 Cantonese to ANZ 15080, 12112, 8490, 6825S, 5545, 4200  
 Hakka to SEA 15270, 15240, 12015, 9945, 9365, 8345, 7620, 6810, 6550S, 5030

1030-1130 Indonesian 17680, 15095, 12055, 11600, 8660S, 6590  
 Khmer 15060, 11695, 9880, 9460, 8450S, 6520

1100-1130 Esperanta(Sa/Su) to Japan/Korea on 7470, 6290, 5220, 4130  
 Italian 9440, Tirana: 1457  
 Laotian 15030, 8490, 6725S  
 Spanish to N.SA & Carib. on 11685, 9390, 5545, 4200

1100-1155 Cantonese to SEA 15270, 15240, 12015, 9365, 8345, 7620, 6550S, 5030, 3985  
 Korean 5975, 4620, 4020, 1020  
 1130-1155 Burmese 15030, 9460  
 French to SEA 15060, 11695, 9920, 6825S, 5162

1130-1200	Spanish to N.SA/Carib;	11685, 9390, 5545, 4200
	Italian	9440, Tirana - 1457MW
	Thai	15080, 11990, 8660S, 6590, 1190MW
	Vietnamese	12055, 9945, 8450S, 6520, 5220, 4130
1200-1230	Serbo-Croat	9440, 8260S, 7010, 5220, 4130, Tirana-1457MW
	Tagalog to Phil.	12120, 12055, 9390, 6825S, 5545, 4200, 1340MW
	Thai	11990, 15080
1200-1300	Amy to SEA	12015, 11445, 9860, 9365, 8345, 7620, 6550S, 5030, 3985
	English to ECNA	11685, 9480, 5162, 3800
	English to SEA	15510, 15240, 11650, 9290, 6590, 5250S
	Khmer	15060, 15030, 12080, 11695, 9920, 9460, 8450S, 6520
	Korean	5975, 4620, 4020, 1020MW
	Mongolian	6555S, 5850, 5145, 1310MW
1230-1300	Esperanto(Sa/Su) to SEA,	15080, 11980, 5545, 4200, 3500
	Serbo Croat	9440, 8260S, 7010, 5220, 4130, Tirana-1457MW
	Spanish(not Sa/Su), to N.SA & Carib,;	15080, 11980, 5545(to 1230), 4200, 3500
	Vietnamese	9945, 7335, 1340MW
1300-1400	English to SEA	15510, 15240, 11650, 9290, 6590, 5250S
	French to SEA	11675, 9920, 9340, 6520, 5545S, 1300MW
	Korean	5975, 4620, 4020, 1020MW
	Laotian	9460, 6290
	Malay	15095, 12055, 3985, 3660
	Standard Ch. to SEA,	15225, 12015, 9365, 7620, 6550S, 5220, 4130
1330-1430	Thai	15080, 11980, 6825S, 5162, 4200, 3500, 1190MW
	Vietnamese	9945, 7335, 1340MW
1400-1430	Burmese	9460, 6290
	Indonesian	15240, 12055, 11600
	Tamil to S. Asia	12015, 9480, 7350, 5220, 4130, 3390
	Turkish	9440, 6995, 3800, Tirana-1457MW
1400-1500	Chaochow to SEA	9365, 9290, 7620, 6590, 5250S
	English to S.Asia	9860, 7470, 7315, 3985, 3660
	Khmer	11675, 9920, 9340, 6520, 5545S, 1300MW
	Korean	5975, 4620, 4020, 1020MW
	Mongolian	6555S, 5850, 5145, (Huhohot-4065, 1460MW), Hailar-3900
	Mongolian	4880, 4185
1430-1500	Laotian	6550S, 5220, 1190MW
	Malay	9940, 7335
	Tagalog to Phil.	9390, 7060, 6825S, 4200, 3500, 1340
	Tamil	12015, 9480, 7350, 4130, 3390
	Turkish	9440, 6995, 3800, Tirana-1457MW
1500-1530	Bengali to India/Pak;	7080, 6590, 5250S, 1300MW
1500-1600	Burmese	7620, 6825S, 6270, 4620, 1190MW
	Stan.Chin. to S.Asia/SE Afr.;	7350, 4200, 3500
	English to S.Asia	9860, 7315, 4020, 3985, 3660
	Hindi to S.Asia	11660, 6520, 6210, 5545S, 5162, 1210MW
	Vietnamese	9340, 7700, 7335, 6550S, 5220
1530-1600	Bengali to Ind/Pak	7080, 6590, 5250S, 1300MW
	Persian to Iran/Afghanistan on	7480, 6955
1600-1630	Swahili to East Africa;	9480, 7315, 6995, 4200, 3500
	Turkish	7480, 6955
	Urdu to India/Pak	11660, 9460, 7350, 9590, 5250S, 5162
1600-1700	English to E & S. Afr;	9860, 7620, 6550S, 5220, 4020, 3660
	Hindi to S.Asia	7080, 6965, 6520, 6210, 5545S, 1210MW
	LHASA;	9490, 3935, 4035
1630-1700	Swahili to E.Afr	9480, 7315, 6995, 4200, 3500
	Urdu to Ind/Pak	11660, 9460, 7350, 6590, 5250S, 5162
1630-1730	Arabic	7480, 6955

1700-1730	Swahili to E.Afr.	9480, 7315, 6995, 4200, 3500
1700-1800	Cantonese to SEA & SE Afr.	9460, 7080, 6520, 5545SS
	Eng to E&S.Afr	9900, 6825S, 5162
	Hindi to S.Asia	6590, 5250S, 1210MM
	Hindi(rebroadcast of 1600-1700), Lhasa:	9490, 5935, 4035
1730-1800	Turkish	7480, 6995, 6955, 4130, 3390, Tirana-1457
1730-1830	St.Chinese to Eur/N.Afr/W.Asia:	9440, 7315, 7060, 6645, 6410, 6320, 4200, 3500
1800-1830	Persian to Iran/Afghanistan:	7480, 6955, 6560
1800-1900	English to S.Asia	6590, 5250S, 1210MM
	German	7780, 7010, 6860, 4020, 3660
1830-1930	Arabic	9440, 7480, 6955
	French to Afr	9940, 7315, 7060, 6560, 6520, 6320, 5545S, 4200, 3500
1900-1930	Czech	9020, 7780, 6825S, 6610, 5162
	Hausa to W.Afr.	9900, 7620, 6590, 5250S, 4620, 3800
	Rumanian	9030, 6430, 6300
1900-2000	Port to Afr.	11650, 7080, 4020, 3660
1930-2000	Albanian	7590, 6645, 6590, 6540, 5250S
	Czech	9020, 7780, 6825, 6610, 5162
	Italian to Somali	9880, 7620S, 6410, 4960, 4620, 3800
	Rumanian	9030, 6430, 6300
1930-2030	Eng to N&W.Afr	11695, 9965, 9940, 6550S, 5220
	French to Europe	9945, 7315, 7060, 6560, 6520, 6320, 5545S, 4200, 3500
2000-2030	Albanian	7590, 6645, 6590, 6540, 5250S
	Esperanto(Fr/Sat) to Europe:	9380, 6825S, 6610, 6300, 6270, 5162
	Polish	9365, 7820, 7660, 6995, 6410, 4960, 4620, 3800,
2000-2100	St.Chin. to Eur, N&W.Afr.:	9020, 7470, 7035, 6955
	German	7780, 7010, 6860, 4020, 3660
	Port to Eur/Afr	9030, 6935, 6430, 6345
2030-2100	Italian to Eur	9380, 6645, 6590, 6540, 4250S
	Polish	9365, 7820, 7660, 6995, 6410, 4960, 4620, 3800, Tirana-1457MM
2030-2130	Eng to N&W Afr	11695, 9965, 9940, 6550S, 5220
	Eng to Europe	7590, 6825S, 6610, 6270, 5162
	French to Africa	9940, 7315, 7060, 6560, 6320, 5545S, 4200, 3500
	Spanish to Europe	9390, 6890, 6780, 4130, 3390
2100-2130	Hausa	9900, 7820, 7620, 7480, 6955, 6410, 5145, 4960, 4620, 3800, Tirana-9500
	Italian to Europe	9380, 7035, 6645, 6590, 5250S
	Serbo-Croat	9030, 7780, 7010, 6995, 6430, 4020, 3660
2130-2230	English to Europe	6825S, 6610, 5162
	French to Europe	9940, 7315, 7060, 6560, 6520, 6320, 5545S, 4200, 3500
2200-2300	Port to Brazil	9440, 7780, 6955, 4020, 3660, Tirana-7305
2230-2300	St.Chinese to SEA	9945, 7350, 6590, 6290, 6210, 4960, 3960
2230-2330	Vietnamese	7060, 6520, 6140, 5545S, 4200, 3500
2300-2330	Cantonese to SEA	9945, 7350, 6590, 6290, 6210, 5250S, 4960, 3960
2300-2000	Indonesian	6555S, 5950, 5145, 4880, 4815
	Spanish to SA	15095, 11650, 9440, 9030, 8345, 7780, 7590, 5955, 6550S, 5220, 4130, (Tirana-11855, 9502, 7125)(Believe the 5955 quote should be 6955-DE)
2330-2000	Aztec to SEA	15255, 15060, 15030, 12055, 9945, 9365, 8450S, 8300, 6520, 4020, 3950
	Tajonesian	15080, 12112, 11660S, 11600, 8490, 7700, 5545S, 4200
	Portuguese	15000, 11900, 6570, 5250S
2330-2100	Indonesian	15080, 11900, 9240, 4620, 3900 (RBC IS and Magna)

# LOG REPORT

Jerry S. Berg  
38 Eastern Avenue  
Lexington, Mass. 02173

Deadline: 12th

- 2360 GUAT R.Maya, mx 0215, //3323 (MAF). Unid, maybe this one, w/ calm tiking, nice mx at 0205-0225, but vy poor (LM).
- 2390 GUAT LV Atitlan, ID 0140, then SS mx (DJ), fair 0225 w/marine QRM (GLD). Mx 0230, off 0240\*, ref to Atitlan but no ID hrd (MAF)
- 2390 MEXICO R.Huayacocotla, mostly mx frm 0115, ID 0201, 0204\* (GLD, MAF). Also hrd 0138 causing net w/LV Atitlan (DJ).
- 2410 BRAZIL R.Em.Rural, sports 0200, mx to 0300\* (MAF). Unid LA hrd 0245 w/rhythm mx. Fair sig but hard copy cause of utes. 2412 (DJ)
- 2500 HAWAII WVVH hrd 1209 w/strong sig, WWV QRM (JF).
- 2600 CHINA Fukien Front stn, poor w/tlk in CC 1150, //2800 (LM).
- 2850 N.KOREA Pyongyang, vy poor w/tlks at 1219 (DJ).
- 3200 CHINA Fukien, CC ID hrd 1145, good here and on //3400 (DH). Also CC stn hrd on both fgys w/tlks 1150. Poor here, 3400 better (RO)
- 3203 THAILAND Presumed Thai Min.of Educ, lady tiking, mx to 1149 (GLD)
- 3204 NIGERIA Ibadan, fair under RTTY w/pops 2228 (DH), Afr mx 2255, EE ID 2300, short nx, anthem, then off 2305\* (RWP, ARN).
- 3215 DOM.REP R.Libertad, strong w/orch mx at 0350 check (RWP).
- 3230 FIJI Suva, EE 0630, lite mx, ID 0630. Fair-good, but ute QRM (DM)
- 3240 PERU R.America, fine lvl at 0259 ID w/other stns mentioned (GLD)
- 3245 VENEZ R.Libertador, baseball 0406, off 0410\* after anmt (RWP).
- 3250 S.AFR SABC, all nite EE/Afrikaans svc hrd well at 2240 (DH).
- 3255 LIBERIA ELBC, fair w/pops 2310, QRM (RWP). N:E 2330, weak (JWH).
- 3255 VENEZ LV Tigre, R.Rumbos nx 0025 (JDT), ID and ads 0345 (RWP).
- 3260 NIGER Niamey hrd late in FF at 2300\* (JWH).
- 3265 GUYANA R.Demarara, strong w/EE ID, pop mx 0230 (SC), world nx 0230, vy good some nites (ER).
- 3265 Maybe MOZAMBIQUE, Afrikaans, pop mx, anmts 0240, TC 0243. Poor (D)
- 3268 TIMOR Dili, PP anmts 1227, US and south seas mx to 1430\* w/ anthem. No CW QRM (JY).
- 3275 VENEZ R.Mara, mx, ads, IDs 0357 (FH), ID 1057, ads, CW QRM (DW)
- 3284 FIJI Suva, oriental mx 0610, ID 0615 (DM), Hindustani mx hrd 0700-0730 in early Jan, so still here then. Verf'd promptly (JWH)
- 3290 GUYANA GBS, pops and all EE to 0345 or 0445 close, good for hour before (FH). Guitar IS 0839, anmt 0844, Hindi mx (SK). DJ prgm, ads, EE after \*0845 (CC), TCs, IDs, N:E at 1030 (CRL).
- 3295 VENEZ R.Trujillo, good to 0203\* w/anthem (GLD), ID, ads 1041 (CRL)
- 3295 Unid. SS w/strong sig frm 0310, much mx. No ads or tlc.0515 t/o (C)
- 3300 BURUNDI Bujumbura, drum mx and FF anmts to 0434 (JY). Tent, vy weak, Rundi IS 0352, on 0400 w/man, believed FF (DH).
- 3315 INDIA Bhopal, good w/lang talk, some mx at 1445 (SC).
- 3315 MARTINIQUE hrd weakly in FF to 0230\* w/LM (JWH).
- 3322.5 BOUGAINVILLE hrd fair w/tlk 0805, some Pidgin and Pac mx (SC). Good 0920 w/circa 1967 pops, EE and Pidgin anmts (RWP).
- 3325 GUAT R.Maya, ID 1111, then rel prgm (DW), mx and anmts 1230 (EB)
- 3325 VENEZ R.Monagas, mx, ID 0230 (FH), still on w/tlks, 0605 (RWP).
- 3335 N.GUINEA R.Wewak, fair 1107 w/island drums and chorals (RWP).
- 3336 SENEGAL Ziguinchor regional w/orch mx, FF anmts, 0614 (RWP).
- 3339 ZANZIBAR, drum IS 0328, anmts, into chants, past 0400 (JY, JDT, RWP). Also hrd w/chants 0230-0330 once only, Zambia also good (JW)
- 3346 ZAMBIA Lusaka, eagle screams at \*0257, anthem 0259, then native lang and mx (JWH). Sometimes past 0400 w/drums, nx (JY).

- 3350 GHANA Ejura 0630 w/vernac prgm, mentions of Ghana (SK).  
 3355 N.CALEDONIA Noumea, strong w/FF tlk and mx 0745 (SC).  
 3360 GUAT LV Nahuala, tropical mx and IDs 0330 (EB), off 0430\* (RWP)  
 3365 DOM.REP R.Exitos, good at 0020 w/tlks (RWP).  
 3365 VENEZ R.Puerto la Cruz, ID 1022, then vocal tunes (CRL).  
 3366 GHANA Accra good 2245 w/rel prgm, nx, //4915, 4980 (RWP).Tent, EE anmts, pop mx, seemed like ads, 0633-0645. Weak, noisy (DW).  
 3380 MALAWI Blantyre, good w/native mx 0300-0345, genly better than Chortis (JWH). IS 0352, EE ID, into Afr lang. Good lvl (ARN).  
 3381a ECUADOR R.Iris, booming at 0445, clear ID, good IA tunes (RWP).  
 3385 FR.GUIANA Cayenne, hrd in FF to 0120\* w/LM (JWH). Strong in FF 0715, a little early? (SC). IS \*0913, anthem, mx (EB), ID 0930, FF ballads, steel drums, IA tunes, some pops (RWP).  
 3396 NIGERIA Kaduna, Hausa 2225, tlking drum mx. Fair sig (DH).  
 3396 RHODESIA Gwelo, lively pops, EE comls, TCs, 0425-0435 (ARN).  
 3405 DOM.REP R.Santiago, fair 2350 w/pianp mx (RWP), hrd to 0330\* (JWH). 3395v, good-exc w/SS and mx at 0420 (FH).  
 3778 IRAN Tehran, HS w/chants, lang anmts, good 0230-0330 thru hams (C).  
 3885 C.VERDE R.Cl.C.Verde, best ever 2230 (DH), pops, anmts 2234-2257\* w/AP (JWH). Fairly good w/instrumentals to 2301\* (JZ).  
 3925 JAPAN NSB, cmtry, Olympic athletes tlking 1000. Fair (ECS).  
 3960 W.GERMANY RFE, EE prgm w/live jazz frm Munich, 0000-0045 and past, //3970 (RFB).  
 3985 ECUADOR Esc.Radiofonicos presumed, nx, TC 1143, ID as R.Via, mx, plugs Red Informativa Nac, listing 40 affiliates (GH).  
 3985 SWITZ SBC, Swiss folk mx 0649, EE anmts 0655, cont'd in EE frm 0700 w/Eur svc, nx, clas.mx (DW, CC, DM).  
 3995 SOL.IS. SIBS, Pidgin anmts 0736, pops, TC and N:E 0745 (DW).  
 4008 KIRGHIZ Frunze, RR prgm, exercises, mx to 0200, 6-note IS, then nx. Hrd //4635, 4895, 4990 at 0125 (JY).  
 4070 Unid. Asian, WRH says Peking-4068, FBIS says Huehot. 1258 (DJ).  
 4110 CHINA Unid. low lvl CC stn w/ute JRM 1147, Peking or Urumchi (D).  
 4380 CHINA Fukien Front stn, fair-poor w/CC tlks 1053-1133 (LM).  
 4400 Unid, maybe Korean lang, vocals and tlks 1130. Not //Pyongyang-4410 or PLA-4380 (DJ). 0817, suspect Pyongyang, but no //s (JY).  
 4500t CHINA Presumed Urumchi hetting VNG at 1020, useless (LM). Unid Asian, low lvl, hrd 1201 mixing w/VNG. Probably China (DJ).  
 4520t UZBEK Andizhan, RR prgm, IS 0200, bells 0300, gongs, anthem (JY).  
 4544 KAZAKH Alma Ata, RR 0133 //5260, 9380, not 10530, but is by 0200.  
 4600t PANAMA Big maybe--R.Capital (per FBIS), in SS at \*1027 w/livel, unfamiliar anthem, man anc, LA mx, not hrd 1110 check (LM).  
 4635 TADZHIK Dushanbe, TC 0100, bells 0200, 5 gongs, anthem, local ID 0219, bells 0300, 6 gongs. Weak (JY).  
 4660 CLAND Voice of P.Lao, good lvl from 1215 (GLD).  
 4680 ECUADOR R.Nac.Espejo, cmtry 0125, mx (ER), ID 0205 at fine lvl (ARN), ads, mx, IDs at 0445, then more mx; good (FH).  
 4719 INDONESIA Makassar presumed the RRI stn here 1227, nx 1300 (GLD) Hrd 1311, gongs 1400 (JY). Unid in what could be FF, lady anc, ballads, maybe mx 1130. Could be RRI, but for lang (LM).  
 4725 BURMA Rangoon, Burmese 1113, some US tunes. Hrd past 1208 (JY).  
 4730 AZAD KASHMIR Hrd arnd 1230, sitar 1229, nx 1230 in lang (DH), 50% readable arnd 1230 (DJ). Unid w/chants 1303, drum mx, to past 1335 (JY).  
 4735 ECUADOR R.Nac.Progreso, fair 1112 w/Ec mx (CC), ditto past 0700  
 4745 COLOMBIA R.Bucaramanga, LA mx 0955, ID and anthem at 1000 (JDT)  
 4746 DOM.REP LV Santo Domingo, SS anmts and lively IA mx, hrd before 0940 past 1145 and frm before 2250 to 0433\* (LM).  
 4755 COLOMBIA Em.N.Mundo, good 0200-0420, local and Caracol IDs (RWP) Also w/Caracol nx 0600, dual 850 which is also hrd (FH).

- 4756 BRAZIL Rdif.Maranhao, PP ads 2130, mx, off abruptly 2200 (BL).  
 4760 KAZAKH Dzambul, RR 0138, also hrd w/mx arnd 1520 (JY).  
 4760 VENEZ R.Frontera, mx and IDs 0215, vy good (JDT).  
 4765 CONGO RTVC, FF talks and pops at 0535 (TLA).  
 4765 ECUADOR CRE, nx 0400, IDs, mx (JZ), to 0457 anthem, 0500\*. Also early as 0230, and nx at 1015 (RWP). Full ID at 0552\* (FH).  
 4770 VENEZ R.Bolivar, IDs, LA mx, good at 0939 (LM).  
 4775 AFGHANISTAN Kabul, closing anmts in EE 1427, ID, IS, lang (JY).  
 4775 DOM.REP Onda Musical, fine 0100 (RWP), nx 0144 (JMS), ads 0330 (JY).  
 4777 GABON Libreville, Afr mx, drums 0508, FF tlk 0528 (JY).  
 4780t AFARS Djibouti, chants 0510, AA anmts, time sig 0600.RTTY (JY).  
 4783 MALI Bamako, weak w/Afr drum mx at 2310 (RWP).  
 4785 AZERBAIJAN Baku (listed), instr mx, tlks to 2200\* (FH). Is hrd end of a prgm at 0500, then local ID by gal. Low lvl (ECS).  
 4785t BRAZIL R.Indoamericana 0921 w/PP anmts, ads, jingles, nx 0925. Teresina mentioned, but wiped out 0931 by R.Ribamar (LM).  
 4785 BRAZIL R.Ribamar, speech or sermon 0918, then mx to 0950 f/o (M). Tent, \*0931, speech, an anthem, no ID. Luiz mentioned (LM).  
 4790 VENEZ Ondas Portenas, ID 0101, pop mx (WJS). ID and ads 1022 (LM) good 1035 w/jingles, LA mx, "buenos dias" (RWP).  
 4795 BOLIVIA R.N.America, weak pops 0430 after LV Caras off (JWH).  
 4795 ECUADOR LV Caras, ballads, nice lvl 0345 (RWP), ID 0415 (BL).  
 4800 CONGO R.Brazzaville here mixing w/R.Lara 2215.Afr mx (DH).  
 4800 LESOTHO Maseru, hrd w/nx, pops, Afr mx, rel prgms. Generally fades around 0430 (DH, ECS, SC, RPH, JDT, LM), but still hrd w/snatches of BBC nx at 0500 (RWP).  
 4800 VENEZ R.Lara, 0403\* after SS anmts and anthem (WJS).  
 4805 BRAZIL Rdif.Amazonas, fair 0330 w/PP cmtry, mx, ID 0345. QRM frm Lara (BL). Unid Brazilian 0915, poor, overmodul, man ancr (LM).  
 4807 ECUADOR R.Popular, Andean guitar mx, good but noisy at 0350 (RWP).  
 4807 REUNION St.Denis, FF songs 1432, anmts, hrd often to 1531 (JY).  
 4810 VENEZ R.Popular, SS mx and IDs 2220 (ML), pops 0127 (TLA).  
 4815 PERU R.Amazonas, LA mx 0443, ID 0457, 0500\* (JDT).  
 4816 Unid. mornings arnd 1300 and later, tlks, almost seems PP (GLD).  
 4820 ECUADOR R.Paz y Bien, Ecuad mx, ID 0910 (LM).  
 4820 GAMBIA Bathurst, AA chants in the clear 2145 (DH), EE request show to 2255, wx, vernac nx; also BBC nx 0730 (KS). Native and r mx 2230, ID 2255, fair at 2300\* (BL).  
 4820 HONDURAS HRVC, mx, "Nightwatch" prgm 0430-0500\* (DN).  
 4830 THAILAND Bangkok, chants 1331, mx 1348. //6070 (JY).  
 4832 C.RICA R.Capital, LA mx, SS ID 0120, vy weak (WP).  
 4835 SARAWAK Kuching, vy weak at 1315 check w/soft mx (RWP).  
 4839 ZAIRE Bukavu, good 0418 w/nearby RTTY gone (GLD).  
 4840 PERU R.Atlantida, echo-type ID hrd at 0455\* (RO).  
 4840t INDIA Bombay, sounded like nx, anmts 1445. Indian mx (DW).  
 4840 VENEZ R.Valera, hrd w/orch mx, then anthem and off, 0414 (RWP).  
 4845 BOLIVIA R.Fides, pops in SS 2319, ID 2329, SS anmts. Good (RPH).  
 4845 BOTSWANA Gaborones, fair 0403 w/pops, N:E 0420. Never really wd hrd (RWP). Afr lang 0430, f/o 0440 (JDT), Afr mx to 0500, pipe and BBC nx (SK).  
 4845t BRAZIL Rdif.Teresina, maybe ID 0800, LA rhythms, seemingly PP (DN).  
 4850 MAURITANIA Nouakchotte, strong, AA nx 2209, FF nx 2211, ID, char to 2230\* (KS, ML, JDT). IS 0658, AA ID, chants, off 0800\* (JY).  
 4855t MOZAMBIQUE LM, PP tlks, mx at arnd 2145 f/i (FH).  
 4855 INDONESIA Palembang, mx 1118, tlk 1130, mx 1145, more tlk 1200 (JDT). And nx at 1300 (GLD).  
 4860 USSR Sverdlovsk, Orenburg, Chita--who knows--RR 0544, HS IS 0600 (GLD). Orenburg, RR nx 0905, also in RR at 1523 (JY).  
 4860 VENEZ R.Maracaibo, pops, ads 0125 (TLA), 0400\* (RWP). And anthe and ID at \*0857, fair sig (LM).

- 4863 BRUNET Berakas, pop and C&W mx, 1353 to 1400\*, good lvl (GLD).  
 4865 BRAZIL R.Cl.Para, piano IS, IDs, close 0401\*. Strong (RWP). Mx 0816 (CC), ads, ID 0840 (DJ), LA fare 0210, also at 0900 (JMS).  
 4870 ECUADOR R.Rio Amazonas, rel prgm w/hymns hrd \*1050 (EB).  
 4870 VENEZ R.Tropical, orch.mx, IDs 0100 (RWP), Italian cmtry 1121-1122, then SS ID 1123. Fair (LM).  
 4875 BOLIVIA La Cruz del Sur, EE rel prgm 0245, ID 0300, 0307\* (JY). And \*1000, quechua, Indian mx, good sig (JWH).  
 4875 Unid. LA, 0215 LA mx, many coke ads, ID as Emis.Nacional (ER).  
 4880 DOM.REP R.Comercial, good w/rhythms 0450 (RWP), LA mx, IDs 0500  
 4880 VENEZ R.Universo, SS ID 1120 by man, poor (LM).  
 4880 ZAIRE Kinshasa, clas. and Afr mx hrd 2224 (JDT).  
 4885 BRAZIL Rdif.Acreana, PP messages and names, 1015, ID 1036 (EB).  
 4887 Unid. Brazilian hrd 0845, PP cmtry and mx (DJ).  
 4890 HONDURAS R.Lux, LA mx 1208, ID 1215 (JDT), rock mx 1425, ID (GH)  
 4890 PAPUA ABC-Pt.Moresby, N:E 1300 (Cw), pops 1315 (JFR), 1400\* (ML)  
 4890 SENEGAL Dakar hrd w/Afr mx at 0622 in FF (CC).  
 4895 BRAZIL R.Bare, talks and mx, poor at 1005 (JDT).  
 4896 PERU R.Chanchamayo, weak but clear w/talk at 0350, once (RWP).  
 4900 NIGERIA Maidugari, anthem to 0433, ID, chants (RWP), N:E 0500 (ER). Anyone have anything definitive on this? (Ed)  
 4904 CHAD Ft.Lamy, tlks, mx 2034, anthem to 2130\* (SD). Afr mx 2200 (JMS), and to 2300\* on Sats (RWP, JWH).  
 4905 BRAZIL R.Relogio, fair w/ID and mx in PP at 2200 (BL).  
 4910 GUINEA Conakry, rhythms at 0610 (SC), vy poor w/tlks 0602, tent (DW). Tirades 2130-2200, also hrd on //7125 (FH).  
 4910v VENEZ R.Carora, \*1005 w/anthem, ID, mx (EB). Something new? (Ed)  
 4912 DOM.REP R.HIN, \*1044 w/anthem, nx and ads (EB). Presumably the one hrd 1100-1115 w/"Radio Oficial" ID noted often (LM).  
 4915 COLOMBIA R.Guatapuri, fairly good w/IDs, intl nx 0320 (RWP). Al: 1210 w/mx, ID 1214, more mx (DJ). SS mx and IDs at 0430 (RO).  
 4915 KENYA Nairobi, Swahili at \*0300, sometimes to 0400 (JWH). Maybe nx 0410. Best on local Sun when LAS off (JY). Fair 0340 (SC), song and drums 0435 (ECS), EE ID 2057, vernac tlks, mx, 2110\* (CRL).  
 4920 HONDURAS R.Progreso, TC, ID 2050 (GH), ID 0258, mx (RB).  
 4920 VENEZ R.Caracas, ID and mx hrd 0508 (WJS).  
 4923 MOZAMBIQUE LM, EE and pop mx hrd 2150-2201\* (FH).  
 4926 RIO MUNI Bata, Air mx, anmts in SS 0448 (JY), fair 2114 w/mx (D) Poor 2200-2230 w/mx and cmtry (BL), off w/anthem 2145 (JZ).  
 4930 DOM.REP R.Mil, ID 0531 (WJS). Can be hrd 2100-0500 (FH). Vy good w/IDs, mx 0543 (RO), strong 0200 (RWP), SS mx 0403-0430 (DN).  
 4930 ECUADOR R.Casa Cultura, nx 0330, Ecuad mx 0400-0416\* (EB).  
 4932 NIGERIA Benin, EE ID 2215 (MW), Afr mx arnd 2230 (BL). EE tlk 0605 (SC).  
 4940 IVORY COAST Abidjan, FF drama 2245 (ML).  
 4945 S.AFR Springbok R, comls 0005 (SK), strong in EE 0452 under LA (RWP), play, chimes, ads 1745 (RFB), pops, ID 2131 (WP), EE and Afrikaans anmts arnd 2200 (ML).  
 4950 SARAWAK Kuching, EE BBC relay to 1445, then ID. Fair (DM).  
 4965 COLOMBIA R.Santa Fe, LA mx 0507, TCs, ID 0515 (WP).  
 4970 CLAND IV Peuple de Guinee, ID 2133 (FH), strong 0510 in FF (ECS). Anthem \*0618, mx, some tlks. Best ever. Hrd to 0721\* (LM).  
 4972.5 CAMEROUN Yaounde, \*0500 w/anthem, nx to 0514, Afr mx, EE 0534 (JY). Pops to 2200, native mx to 2300, still on 0030--late (HM). Pops 2233 (RWP), Afr and rock mx 2230 (BL), FF to 2300\* (JMS).  
 4975 BRAZIL Unid.stn, man ancr, mentions of Brazil, to 0847 (LM).  
 4975 PERU R.del Pacifico, "Chapel of the Air" 0310, EE ID 0315 (JY). SS BBC prgm 0418, ID 0432 (GLD), clas.mx 0525, singing IDs 0533 (L).  
 4976 UGANDA Kampala, lite mx and EE anmts 0409, past 0424 (JY).

- 4980 GHANA Ejura, pops 2215, EE ID, rel prgm 2230 (BL, ML).  
 4980 VENEZ Ecas del Torbes, mx, IDs 0100 (JFR), \*0935 w/ID and anthem (JDT), to 0400\* w/anthem (WJS, JMS).  
 4990 KAZAKH Alma Ata, RR 0108, //4635, 4895, 4008. Buried (JY).  
 4990 NIGERIA Lagos w/Afr pops 2230 (JMS), tent, N:E 0605, vernac (DW).  
 4994 SUDAN Omdurman, AA chants 2145, to 2200\* (BL, RFB). AA singing 0427, pips 0430, AA nx to 0444, IS, ID, more chants (RWP).  
 4995 BRAZIL R.Br. Central, LA mx 2210 (RFB), PF anmts 0125 (Rwf), pops and anmts 0145 (TLA), fair w/ID by lady at 0829 (LM).  
 4996 PERU R. Andina, Indian mx, flutes 0410 (JWH), Andean mx 0510 (JWH) good w/SS tunes and IDs at 0605 (DJ).  
 5001 NEPAL Kathmandu, hrd Sun 1100 thru WWV. Presumed (ECS).  
 5005 PERU R. Jaen, ID 0227, SS format (ARN), tent 0340, Ind mx, weak (J).  
 5010 PERU R. Eco, LA mx after R. Cristal closed 0302, to 0408\* (JDT).  
 5015 GRENADA WIBS, EE 2303 (CC), N:E 2305, BBC cmtry (ER), EE "Radio Bingo" 2330 (ML). BBC prgm 2245 (RD), BBC nx 2300 (HD), 2356\* (J).  
 5020 COLOMBIA Trans. Caldas, fair w/LA mx, IDs 0040 (RWP), 1000 (RD).  
 5020 NIGER Niamey, weak in FF some days, mx (FH). Time? (ED).  
 5026 UGANDA Kampala, EE and native 0330-0400, once (JH), mx 0418 (JY).  
 5027 BRAZIL Voz Sao Francisco, 2244, ID 2258. Good-fair lvl (GLD).  
 5030 VENEZ R. Continente, strong 0033 (RWP), LA mx and IDs 0417 (RPH), SS nx 1002 (RD), IDs 1148 (WJS).  
 5030 DOM. REP Voz Papagayo, weak w/anthem at 0400\* (JWH).  
 5038 C. AFR. REP Bangui, \*0427 w/mx, anmts, FF/vernac to 0529 (JY). N:E 2040, time varies daily (SD), mx w/FF anmts to 2300\* (ML).  
 5040 BURMA Rangoon, comedy 1130, mx, ID 1200, fading by then (ECS), world nx in EE 1450 (SC).  
 5040 GEORGIA Tbilisi, bells, 6 gongs 0300, best on local Sun nites (JY).  
 5041 PORT. GUINEA, in FF at \*0700 (CC), tent, AA mx, PP tlks 0715 (DJ). \*0703, AA mx, PP anmts (JY), tlks, pops 0840 (IM), nx, ID 2345 (BI).  
 5045t BOLIVIA R. Altiplano, Indian mx 2330-0000, Aymara or Quechua (JWH).  
 5047 TOGO Lome, EE election results 1/10 0130 (DH). \*0530 (CC), pops 0540 (TLA). LA, rock mx 2100 (BL), ID, drum IS 2140 (KM), mx 2141 (RD), Hawaiian mx 2235 (MAF), 2300\* (WP, ML, RFB).  
 5050 TANZANIA Dar es Salaam, once 1015-1045 w/great sig (JWH).  
 5050 VENEZ R. Mundial, fiesta mx 0240, ID 0245 (ARN).  
 5052 SINGAPORE RS, N:E 1130, best ever (DH), tent, mx traces, 1307 (DJ).  
 5055 COLOMBIA R. Nac, \*1115 w/gongs, ID. Nx, FF lessons to 1130 (ECS).  
 5060 S. YEMEN Aden, instr mx 2145, AA chants, 2200\* w/anthem (JZ). Tent, carrier 0327, AA tlk 0333. Poor, noisy (RWP).  
 5065 KARELO-FIN. Petrozavodsk, unid. lang 0745-0800, time sig, ID in RR sounded like Petrozavodsk. Mx and anmts to 0902 (JY).  
 5070 ECUADOR Jesus del Gr. Poder, SS rel svc 0045, mx 0130, ID 0145, 0148\*. Fri (local date) only (EB).  
 5075 COLOMBIA R. Sutatenza, ID 0121, lite mx on Sun. Fair (HD).  
 5170 CHINA Fukien Front stn, CC to Taiwan 1210, //5240 (LM).  
 5273t PARAGUAY R. Nacional frm 0145, all tlk, rapid anmts. Many mention of Paraguay, still going 0231 (GLD).  
 5550 Unid. w/continuous LA mx, no anmts, no ID. Good lvl. 0200-0300 (BI).  
 5805 YEMEN Sanaa, chants 0340, ID and tlk, mx 0355 (JDT). Good w/lite AA instr mx at 2035 (FH).  
 5875 HONDURAS LV Honduras, sports 0221 (BK), nx rpt 2108 (GH).  
 5905 Unid. CC arnd 1200, exc sig, thought to be Lhasa. Any help? (DH).  
 5930 CZECH Prague, EE nx, cmtry, mx 0100 (DWy), to 0155 (GB).  
 5945 ALBANIA Tirana, poor in Greek (EE listed) 0445 (LM).  
 5950 NICARAGUA R. Zelaya, pops 0130, IDs to 0159\* w/anthem (EB).  
 5955 MEXICO Univ. Iberoamericana, mx and tlks 1915, off 1919. Off nominal 5960 (GH).  
 5960 USSR Minsk, 1930\* in lang after IS (FH). RM IS 2300, lang (ARN).

- 5962 HONDURAS LV Occidente, bank ad 2044, pop mx (GH).  
 5965 BRAZIL R.Guaiba, EE pops 0056, ad 0059 (MW).  
 5965 MALAYSIA RM, Malay mx and tlks 1545 (TLA).  
 5970 PERU R.El Sol, good selection of pops, rock, folk, 0710 t/i (RW).  
 5975 CANADA CBC, EE 0715, FF to Eur 0745 (EB), EE to S.Pac at 0910(TL).  
 5980 AUSTRALIA RA, N:E often good at 1500 (EB).  
 5980 EL SALVADOR R.Nac, vocals 1923, need 1-o-n-g antenna this hr(GH).  
 5980 "Set my tape recorder many times for Demarara, but only Greenland noted almost daily \*1015" (JWH).  
 5980 LEBANON Beirut, HS 0426, M-E mx, orch.accompaniment. Fair (RWP).  
 5980 PERU R.Panamerica, SS ID and local pops at 0300 (TLA). LA tunes 0420, some classics (RWP).  
 5980 SIERRA LEONE Freetown, BBC/Afr nx 0800, then comls, anmts, most vernac (SK). EE tlks 0820, drum mx (ECS). Tent, Afr lang/pops 0815 (TLA). Unbelievable 0800, considering .5 kw (RWP). Somewhere I got the idea this channel is 10 kw . . . (Ed).  
 5985t W.GERMANY RFE, Hungarian tlk 0640, vy good lvl (MD).  
 5985 TANZANIA Dar es Salaam, celeste IS 0257, Swahili ID, short chant 0300, maybe nx, choral mx 0310 (RWP, CRL, KS, CC).  
 5987 INDONESIA Menado, anmts and mx to past 1340. Het (JY).  
 5990 VENEZ Ecos del Torbes, TC 0049 (MW), ID 0251 (SK), many IDs 1130 (CC). Ads 1220--may be shared fgy w/R.San Cristobal (GH). SS mx, ads, etc arnd 2130, in a mess (FH). I think GH is right (Ed).  
 5995 AUSTRALIA RA, EE anmts at 0910 (TLA).  
 5995 MALI Bamako, Afr lang tlk, anthem, 0755\*. No FF (TLA). Afr chant 2130, ID 2200, rock mx (BL, JWH), tlk 2356, then off (RB).  
 5995 MARTINIQUE ORTF w/tlk, good till VOA comes on 0128 (RB). Ditto, tent this one w/FF tlks frm VR s/off 0120 till arnd 0130 (TLA).  
 5995 VATICAN VR, bells IS 0047, EE rel tlk 0050 to 0103 (NAF).  
 6000 BRAZIL R.Inconfidencia, FF tlks, mx 0030 (RWP), FF mx 0816 (CC).  
 6000a COSTA RICA R.Relej, Ss pops, ID 0140, slight het (RD).  
 6000 SAUDI ARABIA Riyadh, good 0158 in AA (SC), tlks, chants 1430(EB).  
 6005 BOLIVIA R.Progreso, ID and mx 0930 (EB).  
 6008 MEXICO Presumed troubled KECI xmtr, vy weak modul, 1951 (GH).  
 6010 ITALY RAI, opera mx 0000, some local RM. Italian ID (HST). EE to 0120 (RD).  
 6012 THAILAND Thai TV Co, 1231 to past 1301, lady ancr, vocals (GLD).  
 6015 BRAZIL R.Cl.Pernambuco, FF anmts, mx, clear ID 0912 (RWP).  
 6015 COLOMBIA R.Mira, early as 0030, w/IDs, Brazil JRM (MAF), LA mx, anmts, IDs 0247 (JDT), mx and IDs to 0503\* (EB).  
 6015 PARAGUAY R.Paraguay, lite mx, SS anmts 0415 (TLA).  
 6020 HOLLAND RN, nx and mx 2225, Ss ID 2230 (WP).  
 6020 MEXICO Eco de Sotavento, drama hrd 1926 (GH).  
 6020 PERU R.Victoria, mx and IDs 0600, past 0630 (EB).  
 6020 VENEZ LV Anaco, hrd well \*1005, but JRM frm VOA-6015 (GLD).  
 6025 NIGERIA Enugu, N:E 0600, ads and mx 0610 (EB).  
 6025 PORTUGAL Lisbon, vy strong when going frm FF to EE, 0200 (BK).  
 6030 COLOMBIA R.Nac, ID 0453, tlks, LA mx 0450 (NAF).  
 6030v HONDURAS R.Suyapa, IDs, mx to 0630\*. Varies 6035 to 6055 (EB).  
 6030 W.GERMANY SDR, GG comls and mx 0630, strong (EB).  
 6035 CLAND Voice of Thai People, \*1200, IS, ID, tlks, mx, to 1245\*  
 6035 RSFSR(As) Vladivostok, RR anmts, mx 1315 (JFr). (MAF,IM)  
 6035 NETH.ANT TWR, \*0349 w/EE ID, then RR to Europe (WJS).  
 6035 POLAND Warsaw, FF to Eur 2130-2200, good, covering Nigeria (FH).  
 6037 COSTA RICA TIFC, vy weak audio at 2040 (GH).  
 6040 TRUCIAL STATES Voice of the Coast-Dubai, well hrd in AA(?) 1232 also AA mx to 1249. Fades by 1300. Sled in 5 wks (RPH). AA chan: 1430, and frm 1450 under Tashkent's carrier (EB).  
 6040 UZBEK Tashkent, ending EE 1230, into Urdu. NF //11925, 9600 (BF).  
 6045 PERU R.Santa Rosa, mx, ID 1130, rel prgm (JZ). Ss tlks 0117(TLA).

- radio play 0240, ID 0300. DW JRM (RWP). Andean mx 1128 (JDT).  
 6055 COLOMBIA R.Pacifico, SS ID 0100, then Sun rel prgm (EB).  
 6055 RWANDA R.Rwanda, weak w/band mx 0333, then folk mx to 0347 f/o (CRL); Afr mx 0340-0350, but much HCJB splash (JDT).  
 6062 THAILAND Min.of Ed, clear w/tlks at 1410 (DJ).  
 6065 COLOMBIA R.Super, mx and tlks 0345 (BK), local pops 0445 (TLA). SS nx items and mx at 1030 (JFr).  
 6065 SWEDEN Stockholm hrd w/EE cmtry 2110 (FH).  
 6070 CANADA CFRX, N:E 0400 (NAF), fair at 0835 (CC).  
 6070 VENEZ R.San Sebastian, ID and anthem at 0358\* (GLD). Good w/com. 1130 (RWP). ID 1200, many TC--drowns out CFRX at times (MAF).  
 6070 THAILAND Bangkok, regional mx 1555, tlk 1600 (TLA).  
 6075 HONDURAS LV Junco, mx and ads 2020, ID 2035 as R.Junco (GH).  
 6075 Unid. hrd w/bird IS 0440, bells 0445, then tlk under DW (DM).  
 6080 ALGERIA Algiers in AA 0620 (CC), FF tlks and pops 0710 (TLA). Fair 2200 w/AA mx, //7145, 7250 (LM).  
 6080 CLAND Voz de Libertad via Algiers, fair-poor \*0015-0101\*, mixing w/RSA, // 9510, 9685. Sun only (LM).  
 6082 PERU R.Nac, folklore prgm 0407-0430, many IDs (KS). S/on abrupt. 1103 w/ID in mid sentence, vy good and in the clear (ECS).  
 6085 NETH.ANT TWR, AA 0445-0516\*, NF (EB).  
 6085 INDIA Madras, good at 1305 w/Ind mx, sitar (RWP), in lang at \*1258 (JFr). Ditto at 1310 (BDG).  
 6090 ARGENTINA R.Belgrano, rock mx 0225, ID 0230. Seldom hrd (ARN).  
 6090 AUSTRALIA Sydney, N:E 1255, pips, anthem and 1300\* (DM).  
 6090 LUXEMBOURG R.Lux, DJ show, rock mx arnd 0000-0100 (RWP,BDG,WJS).  
 6092 KHMERE REP Phnom-Penh, weak w/local mx 1230. Poor lately (RWP).  
 6095 COLOMBIA LV Centro, TCs, LA mx 0318 (SK), to 0400\* (KS). Tent, hrd to 0530\* w/anthem (RO).  
 6095 IRAQ Baghdad, AA mx 0410, then play (EB).  
 6095 PERU R.Mil Ochenta, ID 0400 (GLD), mx to 0510\*, R.Nac ID only (M).  
 6100 CHILE R.Calama, SS and ads 1040. I used to live in Calama and this was my local (JWH).  
 6100 ECUADOR LV Volante, rel prgm 2300, behind DW frm 0000 (MAF).  
 6100 VENEZ YVTO time stn, 0000 (MAF) and 0610 (RWP).  
 6105 COLOMBIA R.Vision, nx and ads 1152 (JDT), nx 1210 (MAF).  
 6105 MEXICO Sis.R.Yucatan, ads 2005 (GH).  
 6110 ENGLAND BBC, sports 0215 (JF), EE \*2115-0330 (HD).  
 6110 YUGOSLAVIA Belgrade w/EE ID, folk mx 0200. Good sig (Hst).  
 6115 COLOMBIA LV Llano, ID 0405 (MAF), mx 0415, ID and ads (EB).  
 6115 CONGO RTVC, tam-tam mx 2245, then FF, //9715 (ARN).  
 6115 E.GERMANY Deutschlandsender, nx to 0535, ID, then mx (ECS).  
 6115 MEXICO Univ.Sonora, clas.mx 1735 (DM), lite film mx 2006 (GH).  
 6120 SWITZ SBC, EE ID and nx after \*0128, //9535, 9750, 11715 (TLA,D).  
 6119 VENEZ R.Angostura, nx frm 1155 (MAF).  
 6125 COLOMBIA R.Continental, mx 0145, few IDs (JFr), 0617 mx (CC), ID 2305 (ARN), jingles, nx, net IDs 2340 (RWP).  
 6130 CANADA CHNX, ID 0029, pops, local nx (NAF), "Supper Show" 0145 (Cw), rock mx 0145 (RSH), nx 2300, strong sig (JF).  
 6130t LAOS Vy tentative, seemed EE lesson 1255, local mx 1300 (RWP).  
 6130 NORWAY Oslo, EE DX prgm on Mon to 0632\* (EB).  
 6135 BRAZIL R.TV Gaucha, ads 0915 (MAF).  
 6135 CHILE Univ.Concepcion, anmts 1049, nx and IDs (JDT).  
 6140 BURUNDI Bujumbura, nice lvl w/Afr mx 0405, FF anmts. Usually blocked by RNE, but not this nite (ARN).Unid. FF tlk 0400 (BK).  
 6140 CHINA Peking, Viet prgm 2230, some JRM (EB).  
 6140 HOLLAND RN, EE "Happy Stn" prgm \*0930 (JFr).  
 6140 MEXICO Univ.Chihuahua, clas.mx 2007 (GH).  
 6140 SPAIN RNE, 0100, 0200 (NAF), EE 0310, guitar mx, 0345\* (DWy).

- 6144 NIGERIA Calabar, good after DW leaves 0555. ID, N:E 0600 (RWP). Mx after 0600 (BDG), nx 0604 (JDT), mx and EE 0632 (DJ).
- 6145 BRAZIL R.Nac, mx and nx 0000 (AB), mx and anmts 0110 (TLA).
- 6150 AUSTRALIA Melbourne, clas:mx at 1215 (JFr).
- 6150 C.RICA R.Ateneo, SS ID and mx at 0430 (EB). Mx 0500 (JFr).
- 6155 AUSTRIA Vienna, EE 0030 "Rpt frm Austria" (RWP, DM). SS nx 0045 (NAP), N:E, features 0540 (MD).
- 6160 COLOMBIA Em.N.Grenada, pops, ads, comls 0400. Het (TLA).
- 6165 HUNGARY Budapest, N:E 0100 (HST), EE cmtry, nx (Dwy).
- 6165 MEXICO LV Amer.Latina, weak but readable in SS 0550 (MD).
- 6165 ZAMBIA Lusaka, weakly 0315 w/drum mx, //3346 (JY).
- 6170 ISRAEL IBA, N:E 2100 (BDG), hrd to 2130 (JPR).
- 6170 MOROCCO RTVM, weak w/chants at 2055 (RWP).
- 6175 SWEDEN Stockholm, N:E 0030 (ML).
- 6180 ARGENTINA R.Nac.Mendoza, ID 1029, fair w/splatter on high side
- 6180 GUAT LV Guat, lots of marimba mx, SS anmts at 0317 (ML).
- 6187 ROUMANIA Bucharest, EE 2100-2128, GG 2200 on 6190 (EB).
- 6190 MOROCCO RTVM, AA chants 0640 on Sat, seems extended (RWP).
- 6195 COLOMBIA R.El Sol, ID 2358. Formerly on 6140 (MAF).
- 6195 S.AFR Springbok R, lite mx 0330, EE/Afrikaans pops 0400 (HD,BDG NAP). Ads 0403 (CC), N:E 0430 (RWP), ads, mx after 0430 nx (Dwy)
- 6195 TUNISIA Tunis, AA chants 0510, bird chirps 0530 (CW, RWP). AA chants 2055, maybe ID 2100. Poor, flutter and BBC QRM (MD). Unid. SEA stn, local mx and tlk 1300. Pathet Lao? (DH).
- 6200a INT'L WATERS RNI, rock mx, IDs, the usual, 0300-0700, 2100 (CW, I)
- 6205a N.KOREA Pyongyang, excited lang tlks 2255 (ARN). EB, M
- 6255 AUSTRIA Army R.Stn, mixing w/VOA 0447 (GLD), pops 0630 w/GG IDs every 15 min, time anmts. Hrd past 0750 (DJ).
- 6279 INDONESIA Manokwari, strong here 1153. TC 1200, IS, nx to 1218, local prgm to 1300, then IS and nx agn (JY).
- 6300 USSR RM, interesting outlet. IDs in EE 2315, then complete wx for Siberia (JWH).
- 6376 N.VIETNAM Tay Bac (presumed) vy weak in SEA lang, 1109 (GLD).
- 6540 N.KOREA Pyongyang, EE nx to 0845, ID (JY).
- 6600 N.KOREA Pyongyang, HS, poor, fair w/mx and tlk, 1215 (LM).
- 6840t CHINA Huhehot maybe, because no //s w/Peking. 1340 (DJ).
- 6936 CHINA Kunming, fair lvl 1336 w/CC tlks (DJ).
- 6974 CHINA Huhehot, CC songs 1328, CW QRM (DJ).
- 7030 CHINA Peking, maybe in FF 2320, poor, with ARO QRM (MD).
- 7050 EGYPT Cairo, AA chants and tlk, 0400-0445 (EU).
- 7065 ALBANIA Tirana, EE 0000, //9780, 0630 //9480 (EU).
- 7095 PAKISTAN Karachi, fair w/local mx 2012, to UK (FH).
- 7095 USSR RM, EE 0200 in mid-Jan, to ECNA. Site unknown (EB, LM).
- 7100 HUNGARY Budapest, IS 2157, then beginning of EE to Europe (CRL).
- 7105 SPAIN RNE, mx, anmts, tlks, all SS, 2205-2300 (EU).
- 7110 MALAYSIA RM, pops 2315, CC svc (BP).
- 7110 MALI Bamako, \*0758, IS, marches, FF tlks, Afr mx (EU).
- 7115 ZAIRE Kinshasa, local mx 0132, still good 0233 (RWP). Nx 0635(TL)
- 7120 MALAYSIA BBC-Tebrau, WS 2310, London QRM on same channel (BP).
- 7125 GUINEA Conakry, tirade 2215 (FH), FF tlk, Afr mx 2215 (MD). Easy ID 0128, ancg 4910 in //. IS 0129, ID again, then FF nx (RWP).
- 7140 JAPAN NHK, Asian tlk, IS 1300, then CC. Covers Ambon (RWP).
- 7145 ALGERIA Algiers, AA poor at 0725, //11810, 11966. Also fair at 2155, //6080, 7250 (LM).
- 7145 AUSTRALIA RA-Darwin, \*1500 w/N:E, weak-fair (EB).
- 7150 USSR R.Kiev prgm, EE 0430-0459, nx, mx, //7130, 7220 (EU).
- 7155 JORDAN Amman, poor w/AA tlks 0435 (MD), AA nx 0600 (RWP). AA mx 0550, nx to 0605 (ER, DJ).
- 7160 SARAWK Kuching, CC anmts 2210, western style mx (BP).

- 7185t CLAND R.Sparks, CC orientation, USSR JTH, \*1000, but lost to jamming. RM CC svc also here after Sparks off at 1008 (LM).
- 7195 LIBERIA VOA-Monrovia, \*0300 in EE to E.Afr, 0400 f/o (BP).
- 7200 SUDAN Omdurman, AA tlks and local mx, 0430 (TLA).
- 7200 RSFSR(As) RM, presumed Yakutsk, briefly over VOA at 0416 (GLD).
- 7210 S.W.TZ ICRC, EE at \*0600, FF 0615 (MD). EE ID 2300 (CC).
- 7215 ANGOLA R.Ecclesia, good w/US pops 0200, all PP (JWH). Mx 0300 till lost at 0350 (MAP).
- 7215 BRUNEI Tutong, clas.mx 1416, EE anmts 1427, GSTQ, 1432\* (DW).
- 7215 INDIA AIR, EE to Eur 2215, poor w/Ind mx, lady ancr (LM).
- 7225 PHILIPPINES FEBC, ID, fgys before 1200 EE rel prgm (RWP).
- 7225 RWANDA DW-Kigali, IS 0310, into Swahili to Afr at 0315 (TLA).
- 7230 SP.SAHARA R.Sahara, IS to 0800, anmts, much chanting (JY,DH,CC).
- 7235 AUSTRALIA RA, into Indo 1130 (DJ), EE to 1125 (EU). LM,T.
- 7235 USSR RM, maybe Riga, \*0430 in EE to NA (EB).
- 7235 VATICAN VR, beginning Jap at 2150, EE 2210. NF ex-7160 (BP).
- 7240 IRAQ Baghdad, chants 0320. WRH says is "Voice of the Public"(TLA).
- 7245 AUSTRIA Vienna, N:E 0730, then GG anmts, jazz (TLA, EU).
- 7245 MAURITANIA Nouakchotte, AA 0807 on Sun only, //9610 (JY). Local mx 0810 (RWP), monotonous mx 0805-0905 (LM).
- 7250 ALGERIA Algiers, AA 2200, //6080, 7145 (LM). AA nx 2300,0001\*(EU).
- 7250 CYPRUS BBC-Limassol, EE WS nx and press rvw, fair at 0505 (MD).
- 7255 NIGERIA Von, drums IS 0555, anthem, prgm rvw, nx, cmtry (DJ,BDG).
- 7260 COMORO IS. Moroni, chants 0332, tlks in FF and vernac (JZ), mx variety 0415 (RWP, JY).
- 7260 USSR RM, Minsk w/RR mx 0549, //7330. Majak IS 0600 (JY).
- 7270 POLAND Warsaw, EE tlks to Europe 0645 (TLA).
- 7270 S.AFR RSA, FF nx 0345 (TLA), N:E 0413 (EU).
- 7275 ITALY RAI, It 0413, EE 0425, to 0440\*, //6075 (EU).
- 7280 LIBERIA VOA-Monrovia, N:E 0300 (BP), Afr Safari 0400-0445 (EU).
- 7280 MONACO TWR, test xmsn of mx and EE IDs to 1953\* (EB).
- 7285 W.GERMANY DW, EE to SEA \*0117, nx 0122, //9545 (EU).
- 7285 POLAND Warsaw, \*0200 to NA, nx 0204 (EU). EE cmtry 0640 (BDG).
- 7290 MONACO TWR, EE rel tlk 0725, "Back to Bible". To 0850 (AEL,CW,CC).
- 7300 ALBANIA Tirana, EE to NA 0230 (RSH,EU), 0335 EU,BDG,JPR,TLA,WT), 0445 (LM,MW).
- 7330 USSR RM, Minsk w/Majak IS 0400, RR nx, mx past 0700 (JY).
- 7335 CLAND Greek communist stn, tlks 0708, hetting CHU (DJ).
- 7380 USSR Magadan, 12 bells 2100, TC, local RR prgm, //9500 (EB).
- 7416 CLAND R.Liberation in Viet HS, ID 2230, seems //10226v (LM).
- 7420 USSR Minsk IDing as R/S Byelorus, RR 2130-2159\* (EE, LM).
- 7500 AUSTRALIA VNG-Lyndhurst, 1200, ID every 15 mins (TJ).
- 7520 CLAND Soldiers Radio, CC stn, USSR JTH, \*1045 w/Int'l, then jammed to 1058\*. Vy poor (IM).
- 7526 CHINA New China Nx Agency, woman at 1259, normal speed CC (GLD).
- 8333 CLAND R.Portugal Livre, PP cmtry, mx 2115, also hrd 2320 w/organ Is (ECS). PP 2320-2350\*, fair sig (EB).
- 8404t CLAND Voice of Free South, vy poor w/AA vocals, roundtable(FH).
- 8558 CHILE CCV, time std stn of Army Hydrographic Instit, Time?(Ed) hrd 0055-0100. Voice anmts 10 secs before min, then pips (ECS).
- 8630 LIBYA Tripoli, fine in AA 2137 (ECS), exc w/AA nx 2220, local mx, to s/off arnd 2300\* (DH, JWH).
- 8733 Unid, Persian mx 2115, short tlk, apparent ID, anthem to 2125\*(EX).
- 8777t CHINA Oriental mx hrd 1145, vy close to Pei Hai fgy (DH).
- 9009 ISRAEL IBA, beautiful sig at 2130 w/FF nx (JWH).
- 9380 KAZAKH Alma Ata, RR prgm 0136, strange IS 0300, // others after 0200 (JY).
- 9423 CLAND Voice of Thai People, poor 1022-1045, IDs, anthem (IM). IS 1100. 15 min break 1045-1100, but begins early as 1000 (ECS).

- 50 CLAND Voice of Patr Militiaman's Front, theme mx 1442, Viet ID 1443, then pol tlk. Fair sig (GH).
- 75 EGYPT Cairo, AA mx 0050 (WT), EE s/on 0200, 0330\*(EU,RSH,GB).
- 90 TIBET Lhasa, CC songs 1315, pips 1330 (ECS). Lhasa ID 1159, 6 pips, "East Is Red," then Peking HS (LM).
- 90 CLAND Bizim R presumed, eastern lang 0601 (DJ).
- 95 GUAT TGNB, SS tlk, rel mx 1330 (WJS), SS tlks and mx 2300 (WP,EU EE prgm 0100 (RO). Nx, mx 0315 (TB, DW).
- 95 SUDAN Omdurman, AA tlks 1900 (JMS), DJ 2130, nx 2145, 2200\* (HM).
- 10 ASCENSION BBC, exc \*0033 (TB), relaying WS arnd 0200 (HD,BP,TJ).
- 10 CLAND PP Voice of Liberty via Algiers, Mon/Wed only \*2030-2050\*, ex 6080. No //s found. Closes w/AP (LM).
- 20 N.ZEALAND RNZ, IS 0854, ID and nx at 0900 (RFB).
- 20 PERU R.La Cronica, hrd occasionally w/pops, SS, late as 0600 (J).
- 25 JAPAN Tokyo, EE tlk 1414-1430\*, //9505 (EU).
- 35 SWITZ SBC, fair 0134 (TB), EE cmtry, Swiss mx 0645-0730 (EU).
- 45 GHANA Tema, strong 2100 w/native mx, EE IB 2130, DW QRM (BL).
- 45 LEBANON Beirut, AA 0130-0200, FF to 0230, then EE to NA, mx, nx, pops, etc (EU, DN, CC,DWY, CW, FH, ENR, JPR).
- 50 GRENADA WIBS, BBC nx 2300, prgm info, instr mx (AB).
- 55 EL SALVADOR R.Nac, SS opera 0145, gongs and ID 0200 (ER).
- 55 RWANDA D.-Kigali, \*0310 in Swahili, exc, over VOA-Gvl (BP).
- 70 AUSTRALIA RA, EE to UK to 0745, then to Asia/Pac. Good (NAP). Mx, sporting highlights in Eur svc 0820-0845, //11765.Poor (HD).
- 70 CHILE R.Portales, SS anmts 0930, ads, TC, mx (EU).
- 70 MALAYSIA BBC-Tehtau, N:E 1900, strong w/ slight QRM (JF).
- 70 NIGERIA RTV-Kaduna, EE ID 0530, nx 0535 (ER). Pops to 0644 (LM).
- 75 GREENLAND Godthab, IS 1010, rel prgm, nx 1030, 1045 f/o (EB).
- 75 ITALY RAI, N:E, lite mx at 0100 (GB, RSH), FF 0120 (NAP).
- 76 EL SALVADOR LV Comercio, TC 1836. Fair (GH).
- 31 PHILIPPINES Voice of Phil, EE tlk 1025, heating RA-9580 (BP).
- 35 FINLAND Helsinki, IS/ID 0158, then EE, Finnish 0230 (CRL, EB).
- 90 CHILE R.Pres.Balmaceda, SS mx, anmts, TC, ads 0930-1030 (EU,WJS)
- 90 UZBEK R.Tashkent, poor w/N:E 1200 (RFB,ML), EE cmtry 1250 (BDG), closing EE w/ID and anthem 1429 (EW).
- 90t CLAND R.Sparks, poor in CC, lost to jammers 0945 (LM).
- 95 CANADA CBC, FF pops 2030 (MD), EE to N.Canada 2218 (JF).
- 10 AUSTRALIA ABC-Perth, N:E 1300 (HD), rock mx 1448(FH). Nx 1300(RI)
- 10 MAURITANIA Nouakchotte, guitar IS 0800 (JY), chants 0905 (TLA).
- 15 ALGERIA Algiers, AA nx 2300, 0001\*, //6080, 7250 (EB).
- 15 VATICAN VR, EE 0050, mx, 0102\* (GB).
- 20 BRAZIL R.9 de Julho, long IDs 0010 (JFr), ads 0925 (TLA).
- 20 YUGOSLAVIA Belgrade, N:E 1530, GG 2030, SS 2130, EE 2200 (RFB,EU)
- 25 CANADA CBC, N:E 2200, //11725 (EU), Lstnrs Corner CW,RSH,CC) 2315 (GB), into SS at 0000 (NAP).
- 25 ISRAEL IBA, N:E 2045, mx (RSH,HD,EU,DWY). FF 2148 (CC).
- 35 SINGAPORE RS, CC svc regular arnd 0250 (BP).
- 40 MONACO TWR, \*0930 w/DX Special, mixing w/Seoul (Br).
- 40 S.KOREA VoFK, closing EE 1229, Korean anmt, into CC (GH).
- 45 PAKISTAN Karachi, Urdu nx 0510. N:E 1310 (BP).
- 50 GUINEA Conakry, local pops hrd 0350, //7125 (TLA).
- 50 PHILIPPINES SEARV, \*1300 w/EE ID, into Mandarin (BP).
- 55 SYRIA Damascus, GG to 1859, then FF. Into EE 2030 (MW, KS, ENR).
- 60 ANGOLA Voz de Angola, rock mx 0620, Pr ID 0630 (ER).
- 60 AUSTRALIA Brisbane, tlk at 1150 (RFB).
- 70 GREECE NHBI, N:E, 1600\*. Hrd only once (JWH).
- 75 NETH.ANT TWR, Serbo 0430, AA 0445-0516\* (EB).
- 75 PERU R.del Pacifico, ID and rel prgms, 1130, past 1200 (EB).
- 80 CUBA Havana, local pops 0150 (TLA), LA mx 0440, vy strong (NAP).

- 9680 VENEZ R. Puerto la Cruz, pop mx, IDs, ads 1300 (AB). Plymouth ads, TC at 1313. NEW outlet. Good sig (CRL).
- 9690 ARGENTINA RAE, EE 0330, folkmx, cmtry (DWY, DW). SS mx 0455, goodnight tune to 0500\* w/pips (HD).
- 9690 USA WNYW, good w/mx 2020 (RD), many IDs hrd arnd 2130 (JF).
- 9695 S.AFR RSA, IS 2323 (TJ), fair w/nx and mx at 0000 (RSH).
- 9700 BULGARIA Sofia, DX prgm 0009 (WT), tlk on life in Bulg 0015 (TLA).
- 9705 NIGER Niamey w/anthem 0659, flute IS, FF anmts, Afr mx (JY).
- 9715 CONGO RTVC, FF tlk 1740 (MD), revol tlk 1948, ID 1953, 2000 (KS).
- 9720 CEYLON Colombo, BBC nx 0200, Morning Show (BP). Pops 1535 (JFr). BBC nx 1600 (MW), rel prgm 1630 (EB), anthem at 1700\* (TLA).
- 9725 SWEDEN Stockholm, DXers Calling hrd 0340 (WT).
- 9730 ETHIOPIA ETLF, mx and IDs in EE 0325, Swahili 0330 (RO, EB).
- 9740 MALAYSIA BBC-Tebrau, good w/nx, cmtry 1605 (MD), 1820\* (EB).
- 9745v IRA Baghdad, AA nx 1800 (EB). All EE 1945-2015\* (JWH, AAM).
- 9745 USA KGEI, EE rel prgm and hymns at 0430-0500\* (EB).
- 9750 CHILE R. Mineria, nx and ads 1100 (EB), vy weak 2345 (BK). Mx, ads and tlks at 0042 (MW).
- 9750 VENEZ R. Occidente, SS nx read at 1006. Poor (CRL).
- 9755 CLAND Voice of Storm via Cairo, poor 1837-1930\* (LM).
- 9770 HAITI 4VEH, ID 1200, N:E, strong (JF). UPI nx to 1440\* (FH). Also hrd 2048 w/Hawaiian mx, ID 2115, loud het. Fair (HD).
- 9770 ZAIRE Kinshasa, Afr mx 0515, FF tlk 0533 (EB).
- 9780 ALBANIA Tirana w/EE nx, cmtry, clas. mx 0000 (RSH, GB, DN, TLA). S: hrd 2330 (TLA).
- 9805 EGYPT Cairo, EE tlk on M-E hrd 2245 (ML).
- 9833 HUNGARY Budapest, EE pol cmtry 0105, w/RTTY QRM (TLA).
- 9870 PAKISTAN Karachi, \*0129, chants, mx, to 0313 f/o.NF, poor (LM).
- 9919 CLAND R. Liberation, vy poor 1040, jammed (LM).
- 9970 CHINA Peking, EE to ECNA, NF, fair 0100 (LM), ID 0218 (NAP).
- 9988v CLAND Voice of FUNK, Khmer, \*1100, //10080, 12006. Poor (LM).
- 10010 CLAND R. Liberation, FF tlks 1415, EE 1430-1500, then Laotian to 1523 t/o. Also hrd \*1900, believed in Viet (KM, DH). EE also hrd 2330, ID by gal 0000 (BL).
- 10040 N. VIETNAM Hanoi, N:E 1530 (KM, RFB), lang prgm now 2330 (ARN), skeded CC at 0030 w/anthem and IDs (LM).
- 10275 Unid. w/vy good sig frm 2145 t/i, singing, flutes, stringed instruments. Seemed Thai, and some FF noted at ID times (ECS).
- 10530 KAZAKH Alma Ata, hrd 0116, //other Alma Ata stns after 0200 (J).
- 11323v INDONESIA R. Angkatan Udara, fair 1346 w/pops, seeming ID 1400 (DJ), more pops after 1400 (GH). Hrd past 1701 (JY).
- 11415 CLAND R. Peyk-e-Iran, fair in lang 1755, //11695v (LM).
- 11630 EGYPT Cairo, AA mx 1650 (TLA).
- 11695 CLAND R. Peyk-e-Iran, ID at \*1430 (LM), nx and cmtry 1644 (RDG). Tlk 1806, 1811\* after Stockholm address (GH). Tent, 1630 (FH).
- 11705 LEBANON Beirut, N:E 1834, lite mx to 1900 (CRL).
- 11710 ARGENTINA RAE, N:E 2300 (RFB), bad modul and hum, to 2350\* (FH).
- 11725 VENEZ R. Nac, fair w/pops 1830 (JMS), 2100 (BK), requests for rpts (CW).
- 11735 MOROCCO Rabat, EE begins 1700 after ETLF off (TLA), rock mx, EE tlk till into FF at 1801 (wJS).
- 11735 YUGOSLAVIA Belgrade hrd w/IS 1527, N:E to Asia 1530 (CRL).
- 11745 GREENLAND Godthab, IS 1459, buried by Paris 1500 (JY). Hymns and organ mx hrd thru ORTF on a Sun, 1657 till lost at 1715 (JDF).
- 11755 ARGENTINA R. El Mundo, exc lvl hrd 0002, ID in SS (ARN).
- 11775 INDIA AIR-Aligarh, fair w/N:E at 1003 (SK).
- 11780 MOZAMBIQUE LM, Bkfst Show 0515, many ads. Good (GH). Pops 0530 EE ID 0600 (BF), DJ show hrd 0541, all EE, fair sig (AAM).
- 11780 N. ZEALAND RNZ, bird IS 0617, martial mx to 0620, ID and BBC nx (DJ). N:E 0730 (BDG, CC).

- 11800 CANARIES RNE, IS at 2000, then mx (FH), to 0500\* (DM).  
 11800 CEYLON Colombo, Hindi coml svc 0140, natl songs, also hrd 0515  
 past 0600 w/Sun prgmg (BF). Fair w/Ind mx 1345 (CC), ID 1630 (R)  
 11805 BRAZIL R.Globo, PP nx 0100 (MW), IDs arnd 0954 (WJS), 2345 (R)  
 11810 INDIA Delhi, EE cmtries and mx frm 1330 (CC,WJS), mx 1435(BDG).  
 11818 MOZAMBIQUE LM, pops 0525, peaking 0540 in Australia (BF).  
 11820 MEXICO XEBR, ID jingle 1901 (GH), great w/pops at 2000 (TLA).  
 11825 TAHITI Papeete, FF tlk 0457 (WJS), good w/FF nx 1650 (TLA).  
 11830 CUBA Havana, exc w/EE pol tlks at 0205 (ER).  
 11835 HAITI 4VEJ, EE rel prgm to 0202\* (ER). Fair in EE 1230 (RSH),  
 strong but unstable 1600 (BK). FF 1700, EE hrd 2330 (CC).  
 11845 MOZAMBIQUE LM hrd in Swahili 1930, native mx. AP at 1945\* (ECS)  
 11850 GHANA Accra, IS, ID and nx 2000 (TLA, RSH), tlks and mx to 2100  
 //9545 not as good (JMS).  
 11855 PHILIPPINES FEBC, in RR to 1700\* (JWH).  
 11855 S.ARABIA Djeddah, requests in EE 1710 (MW), ditto 1800-2100 (J)  
 11862 ZAIRE Lubumbashi, poor in FF 1745 (TLA), Afr tunes arnd 2030 (I  
 JMS). ID 2300 (KM), but Kinshasa ID 2300 (EB). Also hrd arnd  
 0100, //15245 (ARN, AAM, ENR), and in FF at 0445 (CC).  
 11865 BRAZIL R.Cl.Pernambuco, AA pops 0015, PP anmts (JFr).  
 11870 FRANCE Paris, nx in FF 0715, //11845 (BP).  
 11875 NICARAGUA R.Nac, folk mx 1330 (MAF). Clas.mx 2120 (JY), tlks  
 2100 (BK), steel drums 2200 (HST), pops 2221 (RD). FF lessons  
 2230-2300, exc sig (KM). And LA mx 0505, but deteriorating (HD).  
 11875 PORTUGAL Lisbon, N:E 1910, gongs and close w/AP at 1915 (ARN).  
 11880 ARGENTINA R.Splendid, anmts and ID hrd 0005 (RFB).  
 11880 AUSTRALIA RA, N:E 1200, mx, tlks (HST).  
 11890 FRANCE Paris hrd w/FF tlk 0750, NF, //11870 (BP).  
 11895 SENEGAL Dakar, FF cmtry, good 2030 (FH), drama 2100, ID 2128  
 (BL). Tlks and mx 2100 (RD,JJT), FF nx 2218 (WJS).  
 11900 S.AFR RSA, N:E 0430 (TLA), 1600 (RFB). EE nx and mx to Europe  
 at 2215 (RSH, HD).  
 11900 TUNISIA Tunis, exc in AA nx 2100-2115 (ARN).  
 11905 RWANDA DW-Kigali, EE tlk, fair-good, 0611 (AAM).  
 11910 ETHIOPIA ETLF, AA mx 1925, EE ID 1930 (NAP, ARN), rel prgm in I  
 1955-2015\* (JFR, FH).  
 11914 PERU R.Nac, vy good in SS at 1400, till BBC s/on at 1430 (BK).  
 11920 USSR Baku (listed), RM AA svc, weaker on 11965 (FH). Time? (Ed).  
 11920 FRANCE Paris, N:E at 2050, NF, mixing w/Abidjan (BF).  
 11920 IVORY COAST Abidjan, EE mx 1800-1900, nx (JFR, DW, KM). Strong  
 in FF 2130 (FH), play 2200 (RD), pops and tlks 2350 (TLA).  
 11925 BRAZIL R.Bandeirantes, IDs 0008 (CC), sports 0105 (BP).  
 11930 BELGIUM RTB, actualities 2135, NF ex-11710 (BF).  
 11930 GRENADA WIBS, sports 2035 (JDT), requests 2100 (ARN,AB,JFR,TB).  
 11932 BRAZIL R.Cl.Paranaense, PP sports 0100 (EB).  
 11940 JAPAN NHK, anthem and gal in lang at \*0945 (WJS).  
 11940 LIBERIA ELWA, EE ID 1917 (NAP), N:E to 2057, IS, ID, 2059\* (JY)  
 11940 SINGAPORE RS, N:E 1530, mx, vy good (DW), EE pops 0105 (BP).  
 11945t INDIA Maybe Aligarh w/Ind mx 1640, lang, under BBC (TLA).  
 11950 LIBERIA ELWA, EE ID 0630 (GH), BBC nx and rel prgm 0700 (DM).  
 11950 SEYCHELLES FEBA, lite mx 1655, then Persian 1700, //15165 (TLA).  
 EE ID 1700, EE to 1800, then into AA (JFR,EB,CC,ER,CW,DW).  
 11950 S.VIETNAM VTVN, tlk 0110, rare at this time (BF).  
 11960 MALI Bamako, FF mx 1645, 1730\*, Fri/Sat only (TLA).  
 11965 RWANDA DW-Kigali, GG tlks 2155, //15380 (TLA).  
 11966 CLAND Voice of Storm via Algiers, 1830-1930 (LM, EB).  
 11970 GRENADA WIBS, clas.mx 0115 (RSH). 11975, pops to 0206\* (DM).  
 11970 S.AFR RSA, N:E 2215, mx 2308 (TJ, HD, GB). Nx 0130 (RSH).  
 12000 AUSTRALIA VNG-Lyndhurst, weak 0831, IDs every 15 mins (TJ).

- 12030 N.VIETNAM Hanoi, poor w/EE, anthem at 1530\* (KM).  
 12085 CLAND R.Euzkadi, SS/Basque cmtry 2100, IDs (JWH).  
 13250 CLAND R.Euzkadi, tlks 2035, SS 2050, no jamming (ER).  
 15000 ARGENTINA LOL hrd w/pips and anmts at 2315 (JMS).  
 15050t CLAND Voice of Lib.Army, CC w/USSR xmtr, vy poor \*1115-1122\* and \*1315-1322\*. Not 15055 as once thought (LM).  
 15080 INDIA Bombay weak in EE at 1800 (CC).  
 15105 BRAZIL R.Rural, Pr nx 2200 (AB), ID 2230 (BL).  
 15110 N.ZEALAND RNZ, EE storytime 0515, mx. Fair (Dwy).  
 15120 NIGERIA VoN, FF nx 2025, ID 2030, anthem. NF ex 15185 (LM).  
 15125 TAIWAN VoFC, IS 0159, EE/CC ID, EE nx to NA, //17720,17790(CRL)  
 15130 PAKISTAN Islamabad listed, mx, N:E 1300, USSR JRM 1330 (MAF).  
 15145 BRAZIL R.J.do Comercio, fair w/PP tlk, rock mx 2100 (BL).  
 15150 CHILE R.Corporacion, vocals, IDs, opera frm 2300 (SD), IDs 2230 (ML). Pops 2300 (JMS), ads 0025 (JWH), mx 0100 (JMT, AAM, CRL).  
 15150 USSR R/S Rodina, clear RR ID at 1415 (ML).  
 15155 BRAZIL R.Tupi strong w/ID arnd 0300, still good 0400 (GH).  
 15160 MEXICO LV Amer.Latina, tlks and ads to 1900\*, IDs (EB,ARN,GH).  
 15165 DENMARK RD, EE ID 1600, then Danish to 1645 (WP, AAM).  
 15170 TAHITI Papeete, loud and clear w/FF and mx to 1830\* (EB).  
 15180 ETHIOPIA ETLF, EE cmtry 1342, ID 1345 (WJS).  
 15185 NIGERIA VoN, ID during N:E, 0605 (GH). AA tlks, local pops at 1705 (TLA), N:E at 1832 (AAM).  
 15190 CONGO R.Brazzaville, mixing w/Havana at 1845 (JMS).  
 15245 ZAIRE Kinshasa, IS's and FF IDs repeated arnd 2300 (CC).  
 15250 RUMANIA Bucharest, N:E 1204 (Mw), still in EE 1300 (ENR).  
 15260 MALAGASY RN-Talata, \*1356 w/IS, local IDs (MW, TB, CC), wiped out by BBC 1450 (JFr). Hit Parade 1420 (AAM). Good after VOA s/c 1515 to 1519\* (GLD), Dutch at 2000 after IS and local ID (CC).  
 15265 CZECH Prague, US pops and jazz, EE, 1930 (AAM).  
 15295 FRANCE Paris now has "Paris Intl" in EE 2030 (instead of "Paris Calling Afr" 2015), to 2100, //11920 (Abidjan JRM there) (CL).  
 15300 ECUADOR HCJB, Scand rel prgm 1815 (MD), FF at 2015 (WF).  
 15345 ARGENTINA RAE, orch mx 2045, ID, to 2112\* (EB).  
 15345 KUWAIT Kuwait, EE tlks, pops, nx, arnd 1600-1800 (BK,CC,RD,JFR)  
 15345 TAIWAN VoFC, N:E 0300 (GH, TLA), to 0320\* (Dwy). BDG)  
 15350 USSR R.P&P, hrd w/EE tlk at 1430 (ML, FH).  
 15365 CANARY IS. RNE, IS 1950, SS ID 2000, pops (BK, WF).  
 15410 RWANDA DW-Kigali w/GG nx 2335, weak but no JRM (MD).  
 15415 BRAZIL R.Ribeirao Preto, nice SA PP mx at 0002. Good (AAM).  
 15425 AUSTRALIA Perth hrd in EE 0723 (CC), DJ show \*2300 (HD), nx 2352 (AAM, TLA).  
 15430 S.KOREA VoFK, SS nx 0241 (GH), Korean ID 2258, 2300\* (ARN).  
 15435 TANZANIA Dar es Salaam, N:E 1900, mx and tlks (RD, EB, AAM; TL Lang frm 1930 (JMT), EE pol tlks to 1959\* (ER, KS).  
 15445 BRAZIL R.Nac.Brasilia, guitar mx 0241, ID earlier (GH).  
 15561y BANGLADESH Dacca hrd w/Bengali before 1115, to 1121. IS 1127, into Overseas Svc 1230. N:E, cmtry, mx to 1300\*. Lstrns Letterb. 1245-1300 Mondays. Must be 100 kw (LM, ENR).  
 15789 CLAND Voice of Malayan Rev, CC cmtry traces hrd 1421 (DJ). ID in Malay 2320, to 2400\*. //7305 (EB, GH).  
 16150 N.KOREA Pyongyang, Jao 0300, strong to 0350\* (EB).  
 17720 TAIWAN VoFC, mx prgm hrd 0230-0300 (DN).  
 17720 USA INB, fair w/EE rel prgm 1900 (AEL), ditto 1930-2005 (WF).  
 17725 EGYPT Cairo, Afr lang tlks by M&W at 1710 (TLA).  
 17740 ECUADOR HCJB, EE to 1800, then Scand (MD).  
 17785 JAPAN NHK, N:E and cmtry 0000 in Genl Svc (TLA).  
 17795 AUSTRALIA RA to Pac Is, IS, ID, into pops at 2215 (TLA).  
 17810 HOLLAND RN, EE European pop mx hrd 1621 (AAM).

17810 NETH.AMT RN, AA nx 1735 (TLA), AA mx 1740 (MD).  
 17820 AUSTRALIA RA, N:E, wx 0420. Good sig (Dwy).  
 17825 JAPAN NHK, EE to NA begins 2345. Nx, cmtry, mx, to 0045\*(MD,TJ)  
 17830 SWITZ SBC, IS and ID arnd 1515 s/on, into EE. Poor-fair (AAM)DN.  
 17835 MEXICO XERMx, hrd w/usual SS mx prgming, IDs at various times:  
 SS, EE, FF, PP, GG. Hrd 0415 (RO), 1515 (AAM), to arnd 2325(EU,  
 17840 VENEZ Caracas, IDs, mx, 1830-2200 (EU). HD,WP,SK,TJ).  
 17845 USA WNYW, exc w/EE rel prgm 1715 (AEL).  
 17860 MALAYSIA BCC-Tebrau, nx 0000, mx to 0015. Fair sig (CW).  
 17885 CUBA Havana, Fr tlks and local pops at 1720, //15190 (TLA).  
 17890 TAIWAN VoFC in EE 0300, //15125, 15345 (hrd), 17780 (not hrd)(J)  
 17935 PAKISTAN Karachi, slow N:E hrd frm 1325 or so to 1350\*(BDG,AAM.  
 21455t MOROCCO VOA-Tangler, N:E to Afr 2000, weak and fading(JF). JF  
 21480 S.AFR RSA, to UK, ID 1834, lang lesson (WF).  
 21495 PORTUGAL Lisbon, EE ID 1815, cmtry, lite mx (HD, WT).  
 21525 USA WNYW, mx prgm 1857, weak ID hrd (WP).  
 21570 NETH.AMT RN, ID 1700, then Dutch to Afr (EB).  
 21640 JAPAN NHK, N:E 0130, cmtry. Vy good (Dwy).  
 21695 ITALY RAI in Italian \*0830 (BP).  
 21705 MEXICO XERMx, mx and IDs 1700, //17835 (EB), SS nx 1903 (HD).  
 21730 NORWAY Oslo, wx, mx 1618 (WT), DX prgm on Sun at 1625 (K+).  
 25790 S.AFR RSA, EE sports to Afr 1300 (HD), mx hrd 1535 (GB).

## This month's contributors are:

AAM Al.A.Miller, Jr, OH/HRO500	JFr John Fisher, Ont/Wstnhse 636X
AB alan Brooks, NH/DX150A	JMS John Smallshaw, WI/SW4A
AEL Al E.Linsenmeyer, IL/SW4A	JPR James P. Ronda, OH/RF5000
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BK Bob Kelleher, NY/SX190	JZ Jim Zabransky, IL/SB310
BL Ben Lewis, MA/Hq180A	KM Kevin Murray, NY/HA600A
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CL Chris Lobdell, MA/SW4A	MAF Marlin Field, MI/SX100
CW Corky Webb, TX/SPR4	MD Mark Duba, VT/SX190
DH Dan Henderson, MD/Hq180AC	ML M.Leonhardt, IN/SB310
DJ Dan Jamison, KY	MW Mike Watman, NH/SX190
DM Doug McLellan, NM/GR64)	NAP Neal A.Perdue, TN/SW4A
DM Doug Monger, NM/SX190 ) sorry	RB Ron Bruns, MO
DN Doug Nathman, FL/REB000	RD Richard d'Angelo, NY
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HM Hank Michalenska, RI/R4B	WJS William Schultz, PA/SW4A
HST Harold Stevens, MI/DX150A	WP William Plum, NJ/WR600
JDT John Tuchscherer, WI/Hq100A	WT Walter Trkula, PA/S120
JF Julius Fazekas III, NY/RAO3	

Special tnx to regular rptr Ken Schnur, who must give up the hobby for a while. Hope to have you back with us soon, Ken. 73 -- JB

Last Minute News/TipsF L A S H S H E E TLast Minute News/Tips

AL NIBLACK, EDITOR

420 Shelby St., Vincennes, Ind.  
47591

DEADLINE 23rd,

TIMES: GMT

FREQUENCY: KCS

- ANGOLA 5043 R. Clube de Benguela, at 2103, news in PP, good sigs (Dan Henderson, Md.)
- AUSTRALIA VLI6, Sydney, listed 2kw, with ABC news bulletin 1255. (Dan Henderson) (699)
- BANGLADESH (FLASHES) Received letter of verification, all data, in 15 days for EE report, 15520, signed by M. Habibullah, Installation Engineer, R. Bangladesh, 335, Segun Bagicha, Dacca. QSL cds not printed yet. (Al Sizer, Conn.)... This one actually on 15562, 1205-1300 S/off, all EE, excellent lvl at closing. (Dan Henderson)... Dacca has been on 15560A, regularly of late—much better signal than month ago, time: 1100-1300. (Bob Bundy, Caroline Is.)... 9880A S/on 1315 with IS and S/off 1420-1425. Prgrms are exclusively in Bengali. Strong signals in Japan. (Hiroatsu Matsuura, Japan)...
- 7108.2 Bangladesh in EE news at 9145, fair lvl. (Bill Berghammer, N.Y.)
- BOTSWANA 4845 Gaborones at 0410, only fair lvl. (Bill Berghammer)
- BRAZIL 5055 Unidentified with typical native mx, PP annots, at 2245, while looking for Bolivia. (R. Stephen Dildine, Jr., Va.)
- BRUNEI R. Brunei surprisingly good lvl 1345 with pops, EE annots, but suffering from ARO QRM. (Ralph Perry, Ill.) (No fgy quote but presume in the 41 MB, Editor)
- CAPE VERDE IS 3885.8 CR4AA at 2215 in PP. (Bill Berghammer)
- CHINA 3219.6 R. Peking in Mandrin language at 2300. (Bill Berghammer)... 5905 A Chinese station heard daily around 1200, thought possibly Lhasa, Tibet Regional. Any help?? (Dan Henderson)... 3200/3400 PLA, Fukien, heard in CC, 1145. (Dan Henderson)
- COLOMBIA 4915 Radio Guatipuril with ID 1214, during prgmg of mx. (Dan Jamison, Ky.)
- COMORO IS 7260 ORTF vy fine 1/16, 0400, under BBC, vernacular chants. (Dan Henderson)
- DOMINICAN REP 4748 (FLASH) La Voz de Santo Domingo, HIFE, mx, some cms, brief talk
- CL50. Severe Ute QRM (Gerry Dexter, Wisc.) (There, that one is solved, Editor)... Radio Libertad, 3215, good 0300, all SS. (Gerry Dexter)
- ECUADOR 3380 Radio Iris, Esmerelda, noted FB lvl 0500 S/eff. (R. Stephen Dildine, Jr.)
- ETHIOPIA RV0G in EE to East Africa heard 0359 with ID. (Ed Insinger, N.J.) (No fgy quoted, Editor)... 9730 ETLF, from 0725, S/on 0330 in Swahili. (August Balbi, Cal.)
- GABON 3300 Libreville //4777, at 2230 with FF annots, good lvl. (Dan Henderson)
- GERMANY (E) 21475 RBL, 1730 news in FF; 15145 EE news 1815 to Africa. (August Balbi)
- GHANA 3326.1 Radio Ghana in EE with close down, unlisted fgy. (Bill Berghammer)
- GUINEA (EQUAT) 4926 R. Bata, heard at 2114 with music, SS; ID 2115. (Dan Henderson)... This one QSLed via SS letter and included pennant, in short order. (Ralph Perry)
- HUNGARY 7100 RB in EE at 2130, nice lvl, low ARO-RITTY QRM here. (Ed Insinger)
- KASHMIR (FLASH) 3277 R. Kashmir, Srinigar, verified my report. "The reception which you got is being confirmed by us". Signed by Asst. Stn Engr, J.C. Bhargava. Runs 7.5kw into a dipole antenna. (Don Jensen, Wisc.)
- INDONESIA 3905 (TENT) Possibly Djayapura in language, 1145. (Bill Berghammer)
- INTERNATIONAL WATERS RNI 6205, QSLed by card in 195 days FLASHES Bill Whitacre, Mich.
- IRAN Teheran now on new 9025, 15085, 7065, from 1515; this per WRC (John Tuchscherer) ... QSL from Radio Tehran for 15089, received; plain card with details typed / Wisc.) in. I was happy to get this one! (Anthony Marks, Oregon)
- KOREA (N) First Prgm of H.S., 6600, heard at 2221 t/in until 2236 fade (R. Stephen Dildine, Jr.) ... 2775.5 Hamhung in language at 2300. (Bill Berghammer)
- KUWAIT 11925 R. Kuwait fairly good EE news, by YL, from 1830. (Ralph Perry)
- LESOTHO RL, 4800, noted at 0405 with news in lingo, QRM lessened. (Bill Whitacre)
- LIBERIA 11940 ELWA news at 2030, new fgy, S/off 2100. (Ed Insinger)
- MADAGASCAR RNTs "M" Relay noted after HBC closes 1515, 15260, till 1520 S/off. Poor lvl. (Ralph Perry)... Tananarive, M Relay, 15260, heard 1438 till 1519 S/off, with DX jukebox and EE prgmg. (Bill Schultz, Pa.)... This one, "M" Relay, QSLed by their new card in 43 days. (Bill Whitacre) (15260)
- MALAYSIA 4895 Radio Sabah in a move from 4970, in native only, quite strong lvl 1400-1500 S/off. (August Balbi)

PLEASE TURN OVER

MALI 4783 Bamako good lvl, mx and FF at 2345. (Gerry Dexter)

MAURITANIA 4050 Radio Mauritania QSLed in 25 days via pretty card. (Bill Whitacre)

NICARAGUA 6120 R. Atlantica heard for 7 minutes this AM, but lost to Delano, 6125, at 1300. All SS. (John Tuchscherer)

NEPAL 5000.5 Unidentified at 1100 could be Nepal (Dan Henderson) (Vy probably, Editor)

NEW HEBRIDES (FLASH) R. Vila being heard on 3945 about 0700-0730 S/off. NSB, Japan, has not dominated this fgy lately, chance of USA reception?? (Bob Bundy)

NIGERIA 4900 The Regional stn hrd after 0434, with EE, Koran chants, mx, nx. (Bill ...3204 Ibadan at 2228 with pops, fair under RPTT. (Dan Henderson) / Schultz)

PAKISTAN RP heard well on unlisted 11705 (Islamabad?) with news EE at 1300, good lvl till 1315. We can drop the "W" now! (Ed Insinger)

PAPUA/NG 3385 VI9RB, 0800 with ABC news, weak to fair lvl. (August Balbi; Bill Whitacre)

PERU 3230 R. El Sol at 0300, SS; 3239.9 R. America, 0305, all SS. (Bill Berghammer)

REUNION 2446 Definitely St. Denis, 2/12, 0229 IS, IM, FF ID, into nx. (Al Niblack)

RHODESIA 3396 RBS noted 0405-0445 in EE Svc. (Bill Whitacre)...Heard here with sports scores and EE news at 0410. Fair signal, RPTT QRM. (Dan Henderson)

SAWARAK 4835 Radio Malaysia heard at 1330 ID in language. (Bill Whitacre)

SENEGAL RS, 11895, QSLed in 28 days for FF report. (Bill Whitacre)

SEYCHELLES PERA, 11950, daily FB around 1845 to ME. (Ralph Perry)

SIERRA LEONE 5980 Freetown heard 0805 EE, ads, pops. (Bill Schultz; Ralph Perry)

SOLOMON IS No activity noted on either 7235 or 9775. 3995//1030 are both well heard here in the Pacific. Can't imagine why the need for additional fgy. (Bob Bundy)

SO AFRICA SABC, 3250, powerful lvl 0310 with mx, cms. (Gerry Dexter)

SPANISH SAHARA 7230 El Aaioun noted 0758 with IS, into trumpet fanfare at 0800. Some Islam chanting, native mx, AA. Worth waiting for, dig it! (Henry Michalenka, R.I.)

SWAZILAND (FLASH-FLASH) 6155 Swazi R, US pops, EE DJ, noted midst QRM from checks, 0357 starting 2/1. On 2/8 caught S/cm under Austria, preceded by seeming 2 note drum IS. "Good morning....thank you for joining us on Swazi Radio". (Gerry Dexter)...Could be Swazi R around 0430 but not enough to count. (Dan Henderson)...No copy here past a possible EE QM ID, 0400 checks for Swazi R. (Ralph Perry)...Swazi R, 6155, definitely heard with ID at 0415 by M as such, lost shortly to Austria. (Al Niblack)

TANZANIA ZANZIBAR 3339 (FLASH) In reply to my report, RFZ, says, "I am sorry to state that confirmation cannot yet be granted....". Jim Zabransky Jr., Ill., says that there does seem to be a political problem here. (The policy still holds, Editor)

TURKEY Sked for NA at 2200 on 15195//9515, EE II Svc. (Ed Insinger)

URUGUAY R. El Espectador, 11835, heard 0201 with SS talk, IDs. (Bill Schultz)

USA The VOA has a new color photo QSL card. (R. Stephen Dildine, Jr.)...UN Radio, 15270, EE news at 1800. (Ed Insinger)...11920 KGEI moved here, 0200-0500. (August Balbi)

USSR 4860 (Listed Orenburg and Moscow) From 0449 tune with organ and light mx; 0459 IS. 0500 pips. (John Tuchscherer)...11701.4 USSR PES in Mandarin, 2100 (Bill Berghammer)

VENEZUELA 9680 Possibly new R. Puerto la Cruz, 1300 with mx, TCs, cms. (Gerry Dexter)

VIETNAM (N) 4684 Hanoi in H.S., at 1200. (Bill Berghammer)

HARMONIC DXING: COSTA RICA R. Relej provides good reception on 12011, second harmonic of 6005.5. Noted 2/1, in SS with baseball...MEXICO XE2D, Ciudad Camargo, Tams, audible on 4th harmonic of 1350, 5400 kos, with ads, mx, 2055. (Glenn Hauser, Texas)

CLANDESTINE: Liberation Radio, S. Vietnam, recently noted back on arned 10010, 0930-1045//7470. (Bob Bundy)...Liberation Radio heard in Laotian 1500-1523, 10010. (Dan Henderson)...9500 0601 Bizim Radio (pursumed) in Eastern type language. (Dan Jamison)

ERRATUM: CHINA Fgy given in February FS for Burmese at 0001 should have been 7620, not 7260. (Glenn Hauser)

JANUARY 1972: SUNSPOT COUNT, 2-5-72- 1-49, 2-52, 3-55, 4-50, 5-54, 6-57, 7-59, 8-50, 9-39, 10-25, 11-22, 12-25, 13-29, 14-45, 15-46, 16-47, 17-50, 18-60 19-61, 20-69, 21-70, 22-89, 23-167, 24-135, 25-112, 26-92, 27-96, 28-108, 29-115, 30-70, 31-56 MEAN-64.6

PREDICTED: FEB-53 MAR-51 APR-49 MAY-47 JUN-45 JULY-44 (Grady Ferguson, N. Car.)

ACKNOWLEDGEMENT: To newcomers and Oldtimers, Gracias, for supplying the material that made this Flashsheet possible. Please come back next month.

Questions in re receivers, accessories, so on, may be directed to this department. Please include an SASE...Last minute flashes may be telephoned to 882-3976 after 2200 GMT.