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NORTH AMERICAN SHORTWAVE ASSOCIATION

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FEBRUARY 1970

VOL. IX NO. 2

NASWA HEADQUARTERS

POST OFFICE BOX 989

ALTOONA, PA. 16603

BOD ELECTIONS

With this edition of *Frendx* you will find enclosed a separate/special page giving the platform of each of the candidates running for 1970-72 term on NASWA Board of Directors. It is suggested you read each carefully before casting your ballot. It is also a good idea to dig out your copy of the club constitution and read that part dealing with Board of Director duties. Keep in mind that the club is governed by the BOD which is working in cooperation with the Executive Editor.

Notice the wants, desires, plans, ideas mentioned by each of the candidates; Do they concur with those you believe would benefit the club and/or bulletins?

In past elections, not more than fifty percent of the membership has voted. As a result there were members who became disgruntled at times, due certain lacking action on the part of the BOD. In most instances these dissatisfied members were those who did not take the time nor show interest enough to even cast a ballot. Voting is a right, a privilege, and it is a duty! Any member sincerely interested in the betterment of the club and bulletins should show their sincerity by voting. It is important!

NASWA does not infer it has the best/deal operational setup, but with a sound BOD and Executive Editor working side by side in mutual understanding and desire, improvements can be made...not to the satisfaction of a few, but for the satisfaction of the majority. It is conceded that it be impossible to satisfy the all.

NASWA has, over the years, efforted to do several things; To promote the hobby, to instill friendship, and to give members aid and news pretaining to DX. In each respect our efforts have not been unfruitful. And although we may not have taken "giant" steps, we have taken many worthy ones. Tis far better to take each rung of the ladder than to skip one and then falter at the top! Success is not attained through haste!

And so we call upon each and every member to cast his ballot of the 1970-72 term of office for NASWA Board of Directors; Through your support, their work in cooperation with the Executive Editor, our club can have a worthy future. Do not leave it to the "other guy", take part yourself, do your thing as is your duty...vote!

...Bill Eddings

NOTE: Members Bob Estand and Del Hirst have declined to accept candidacy for the BOD because of various personal reasons. Both however express gratitude for having been given opportunity. Both plan to do as best they can in other ways of serving NASWA. Hdqs here wishes to express understanding to each of them and to extend thanks for future support. It takes a bit of heart, even to make a DX hobby club gain worthiness!

WELCOME, NEW MEMBERS!

Lee Morton, Northfield, Minn. Spanmaster.
Via Electronics Illustrated.
Donald Griffith, Grand Rapids, Mich. Drake
R4B. Via World Radio-TV Handbook.
Thomas Jones, Benson, Minn. Realistic DX150
Via member Mrs Mildred Marshall.
Joe Torok, N.Versailles, Penna. Drake SP4.
Via World Radio-TV Handbook.
Philip Pokoy, Marshall Islands. Via "How
to Listen to the World".
Robert Bolling, Indianapolis, Ind. Realistic
DX120. Via "Boys Life".
Terry Ray Hicks, Ft.Lauderdale, Fla. Hall-
icrafters S38B. Via Popular Electronics.
Robert Fuss, East Chicago, Ind. Grundig.
Via member Richard E. Wood.
William Coleman Jr., Raleigh, N.C. Hammar-
lund Super-Pro. Via 1970 CB Guide.
Doug Lechleiter, Louisville, Ky. Heathkit
GR64. Via Popular Electronics.
Robert Fisher, Los Angeles, Calif. Via
editors Dan Ferguson & Bill Matthews.
Rick Dressel, Wilmington, Dela. Knightkit
Star-Roamer. Via member Bill Martin.

RENEWALS

2nd year: Peter Taylor, Bernard Pellet,
Randy Grabowski, Bill Migley, Bill Jack,
Tom Alleman, Wally Glavich, Ralph Perry,
Meredith Porter, Robert Peltz Sr. 3rd year:
C.M.Stanbury II, Scott Moeller, Ed Feith,
Dave Deitz, Rudy Menna, Walt Miscichowski,
Mark Mohrman. 4th year: Norm Jacobson,
Gary Mickle, Les Nichols, Paul Burns. 5th
year: Warren Nordgren, Paul Burns, Rene
Chicoine.

(NOTE: Those joining or renewing after the
15th will be listed next month.)

"CONGRATS!!"

Awards Editor-Warren Nordgren informs us
that latest members to be awarded certifs
were; Mrs. Mildred Marshall WorldWide DXer
50 countries, Bill Martin WorldWide DXer
50 countries, Bob Estand Continental DXer
Europe 28 countries, Craig Koukol Contin-
ental DXer So.America 10 countries.

Warren and Hdqs are currently working on
some new awards to be added to our present
program. NewsRoom Editor-Bob Hagerman is
assisting. Watch for announcements!

"DX-TOGETHERS"

Would you like to meet/get to know other
SWLs and/or DXers in your local area? Such
meetings would not be meant to publicize
or promote any specific club, but rather
would be mainly to increase interest in
the hobby and allow more fellows become
acquainted, thereby aiding all clubs. If
you are interested and reside within the
Boston, Mass. area, you are invited/requ-
ested to get in touch with either Tom
Walsh, 53 Neponset Road, Quincy, Mass.02169
or Mike Macken, 64 Court Road, Winthrop,
Mass. 02152. If you live in Florida, get
in touch with Dan Ferguson, P.O.Box 8443,
Coral Gables, Florida 33124. Here is an
opportunity, not only to strengthen the
hobby, but to increase your knowledge and
interests in it, and to add friendships.

60MB SURVEY

Bruce Haines and George Fisher have comp-
iled a survey of the 60 meter band. It
comprises eight pages and was published by
the BSA. Price in NA is 50¢, overseas is
4 IRCs. Over 90 stations are listed with
frequencies and other data given. Order
from Bruce Haines, Salina Star Route,
Boulder, Colorado 80302. Incidentally, the
price is not profit for any individual, it
goes towards cost of printing and mailing.

1970 WRTH

It was hoped we would have current info on
the latest WRTH by now, but sorry to say
we do not. We have been told this edition
is more expensive than past however. As
soon as we get proper data we will pass it
along. Anyone interested in handling orders
for NASWA? We need someone who is reliable
and will take on the responsibility. Those
members ordering via NASWA will receive
discount as in the past. Watch Friendx for
further word hereto.

RE WINTER CONTEST

George Schmabel, our contest manager, has
not finished checking all entry forms for
recent competition, thus we wont have the
list of winners until possibly next month.
Time being we would like to thank all those
members who took part.

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Exclusive

THE LOUDENBOOMER REPORT

Exclusive

... presents
The Loudenboomer Laugh In

Gary: From high atop the press room in beautiful downtown Beerbank its time for the Loudenboomer Laugh In with your MC Charlie.

Charlie: I wonder if you'd mind if I repeated something my aunt said after my uncle went 491 days without receiving a QSL?

Artie: Verrrry interesting, but its not the mailmans fault.

JoAnn: Is that another mailman joke?

Henry: The VOA QSL, by Henry Gibson...

Charlie: Never mind, never mind!

Judy: Its swap it to me time!

Ruth: I asked this fella up to see my Kashmir QSL, but even that didnt do the trick.

Goldie: Whats a QSL?

Judy: IWWCDXA in beautiful downtown nowhere. Yes sir? Oh no, I'm afraid we couldnt possibly tell you where the Botswana towers went.

Goldie: Whats a Botswana?

Gary: Meanwhile, in the executive suite of a well known DX club...

Man: What do you mean you lost the birthday list?!!

JoAnn: Henry, why are you throwing all that confetti?

Henry: I just read a dirty word.

JoAnn: Oh goddie, what was it?

Henry: Merger.

Goldie: Whats a merger?

Charlie: Never mind, never mind.

Artie: It has been written that there can be no QSLs whiddout reception. What then of the swapper?

Goldie: Whats a swapper?

Judy: Its swap it to me time!

Henry: Florida, smorida...I say fifteen to one isnt even close. What does he mean by re-count?

Goldie: Whats a re-count?

JoAnn: In this case, a farce. Boy Goldie, are you dumb!

Ruth: Did you know the VOA no longer announces the xmitter locations?

JoAnn: Yeah, but that was before they knew where they were located.

Henry: It just isnt right that a few big clubs monopolize the hobby.

Charlie: Keep talkin, keep talkin!

Gary: A change of pace now; Here's Capt. Nelson and the BAD guys singing "Thats Life".

Artie: Verry interesting. And in Denver dey sang "Release Me".

Sammy: Here come de Admiral.

Henry: Look that up in your WRTH.

Man: ITU

JoAnn: ITU too!

Goldie: I dont see anyone!

Artie: Verry interesting. I dont see nobody either. Just that VE CIA agent over derr.

Goldie: How many countries are there?

Charlie: Take the number of the country lists and divide by three.

Gary: Goodnight Charlie.

Goldie: Who's Charlie?

Gary: This program was pre-recorded on a microfilled SBC QSL for airing at this time.

Charlie: I wonder if you'd mind if I told you something my aunt once said as she was carrying my uncles new Collins 5181 in from the car, and she tripped?

Gary: Will someone please roll the credits?

Charlie: Goodnight everyone, see ya next week, same time, same channel, with the same gang, all doing their own thing.

Charlie Loudenboomer

- NASWA ANARC REPORT -

Last month, we failed to make an appearance in these pages. That's because there was no ANARC Newsletter on which we could base a report to you. This, in turn, was thanks to no news. And in this case, the old saying of "no news is good news" does not hold water. No ANARC news means a continuing lack of participation and support by individual DX'ers. Like any of its member clubs, ANARC depends upon voluntary, unpaid assistance in order to get its jobs done. We could sure use some help from you!

ANARC Convention talk is beginning to pick up. The Batesville Short Wave Association has offered to host an ANARC Convention on June 24 and 25 (mid-week) in Batesville, Arkansas. The unofficial word is that there will also be a convention offer coming from IRCA as well as one from the Chicago area. We should have more on these by next month.

No word yet on how the sale of the ANARC Abbreviations List is coming along. We hope it is doing well and that if you have not yet ordered your copy you will do so soon. \$1.25 in the US and Canada from ASWLC, 16182 Ballad Lane, Huntington Beach, California, 92647

Comments are being called for concerning the possibility of ANARC handling the WRTH for 1971. Proceeds would benefit the ANARC treasury. And, a volunteer would be needed to handle the orders. Comments are invited.

Ed Pyatt of ASWLC and Kris Lemna of NASWA have both offered to work on the QSL Committee. They've been asked to work as co-Chairmen and formulate a plan of action for contacting SW stations.

The New York State DX Association has been removed as an ANARC member. No communications or bulletins and inquiries to the club by members have gone unanswered. Another group full of big ideas, saying "we'll be different"...who weren't.

The Man of the Year Committee has now been formed and nominations are being accepted for the 1970 ANARC Man of the Year. If you'd like to nominate someone, please send full details to Gerry L. Dexter, Rt. 1, Maple Rd., Lake Geneva, Wisconsin, 53147. And get it in before May 1, 1970, please!

Our sister organization in Europe, ELXC has a new secretary-general. Jyrki K. Talvitie, P.O. Box 14110, Helsinki 14, Finland who assures us friendly contact between EDXC-ANARC will continue. EDXC is now operating under a new organizational set up with memberships by individual clubs (like ANARC) rather than by countries and with fees and voting rights based on the size of the club (again, like ANARC). The main difference now between the two groups seems to be that EDXC has more action.

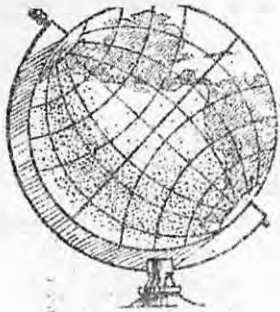
That about covers it for this month.

Your comments...your opinions...your help...your participation are always welcome.

73,

Del...Doug...Gerry

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SHORTWAVE CENTER

SPECIAL FEATURES

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WILLIAM A. MATTHEWS-EDITOR
P. O. BOX 15306
COLUMBUS, OHIO 43215

Deadline 15th of Month

RADIO TIRANA ALBANIA'S VOICE TO THE WORLD

Tiny Albania, Communist China's ally in Europe, floods its neighbors with streams of radio propaganda. "A bloody guerrilla war is ravaging Italian cities. The imperialist regime - allied with the Americans - will soon account for its misdeeds before the tribunal of the people," the Voice of Albania tells Italian homes across the Adriatic. "Tito is a spider, trying to catch us in his web," crackles the same voice in the Serbo-Croatian language to southern Yugoslavia. "There are 702 million of us. That is a warning to all those who seek to attack us and our great Chinese allies," Radio Tirana warns the neighboring inhabitants of northern Greece.

Albania rules the airwaves in this part of the Mediterranean, for it dispenses a blend of propaganda, speeches, revolutionary songs, old operas, and pop tunes in 12 languages for up to 60 hours each week.

"It's hard to fight such a powerful (200 Kilowatts) beam," says a technician whom Italian television dispatched to increase its own broadcasting strength. "We know their station, near Durres, is ultramodern and built with the latest Chinese electronic equipment."

To the outside world, poor but proud Albania is almost exclusively known by its radio. Italian farmers near Bari, less than 60 miles from the Albanian coast, listen only to the Italian language broadcasts - because the transmitter of Italy's own radio is not powerful enough. The Yugoslav Government has had to increase the power of a local station to fight the propaganda of Yugoslavia's arch-enemy.

Tirana also beams heavy doses of propaganda and the Albanian version of socialism around the world over its Foreign Service, operated by Radio Tirana. The Albanian station beams to all continents around the clock. However, these modern transmitters were not always available and for many years, Radio Peking carried all of Tirana's foreign broadcasts, with the exception of a "European" service that was sent out over low powered transmitters within the confines of Albania.

"Without antagonizing China, Albania is trying to open up, but there is considerable disagreement as to how much," says one Italian diplomat. Albania still closely emulates "the glorious example of the Chinese People's Republic". As in China, the 1.8 million Albanians underwent a vast but short-lived "cultural revolution" with the effigy of party boss Enver Hoxha lauded on everything from drapes to teacups.

Albanian policy follows a line similar to that which appeared on many signs, "Build socialism with a pick-ax in one hand and a gun in the other." Radio Tirana beams this policy abroad.

Dennis Redmont (AP) in the
Ann Arbor News
...via Peter Campbell
(adapted)

THE K O F A PUZZLE

In an earlier FRENDX, Barry Williams of New Zealand mentioned a QSL from a station calling itself KOFA. Unable to find any information about this, he questioned readers of the Short Wave Center if they had any information about it. In a recent letter, Dr. Tom Williamson solved the problem....."KOFA was a local station for the U. S. Forces in Austria, programming news and music. I heard them at 1815 GMT on October 25th 1946 with a fair signal on 7220 KHz. The QSL was sent by Robert Graff, U.S. Armed Forces Radio Service, from APO 541 U.S. Army in USA. The station's power was 1200 Watts." Dr. Williamson enclosed a photocopy of the QSL which we cannot reproduce here in the SWC. However, it does bear a description..... The card is the standard size QSL from most of the current European stations and features a map of Austria. A giant radio tower in Salzburg is sending out radio waves of KOFA. The entire card is overlaid by the verification message and gives the frequencies as being 1104 Kcs. and 7.22 Mcs. Also noted on the card is the fact that the station was off the air from 7 February 1947 and was to resume transmissions on the 5th of March 1947. By the way, the card was dated 1 March 1947 - a good 4 months after the report was mailed!

A nice piece of DX history and my thanks to Tom Williamson for letting us share in his information!!

* * *

EDDIE STARTZ

Edward Startz, the pioneer shortwave broadcaster who for more than forty years spread his message of Peace, Cheer, and Joy over the world via the Sunday "Happy Station" program, has handed over the Happy Station to a young successor.

His departure from the air waves will come as sad news to countless Happy Station fans everywhere. But Edward Startz, although he was not adverse to a serious note in his program if the occasion arose, had no place for sadness in it. He always wanted his show to be a really happy session, and he always made it so. Over the years, the Happy Station has gained a special place in the hearts of shortwave listeners everywhere. It has even influenced the language, for the slogans which Eddie Startz flashed around the world are known and quoted on the five continents: his "Keep in touch with the Dutch", his "Peace, Cheer, and Joy", his "Nice Cup of Tea", the "W.L.H.F." (World's Largest Happy Family), his Animal Gang (the horses Happy and Pappy and Bright and Breezy, Pasha the dog and Ella the cow), his University of Light Learning, and the question which never seemed to draw "No" for an answer: "Is Everybody Happy" - they all emanated from the warm, lovable personality of the man, who, Sunday by Sunday, has been a welcome guest and trusted friend in countless homes the world over for as long as there has been shortwave broadcasting.

Pioneer Edward Startz went on the air for the first time on November 19, 1928, as announcer and commentator at the experimental Phillips station, P C J. He was required to compile and edit programs, to announce and back-announce the items, and to give the wavelength at set intervals. But soon he grew tired of the formal and impersonal approach, and found himself proclaiming, "This is the Happy Station of a Happy Nation!" It caught on and the fan mail grew....and grew....and grew.

Only during the war years between 1940 and 1945 was the Happy Station silent. Otherwise, come hail, come sunshine, his first slogan was, "the show must go on." Not even his

EDDIE STARTZ

(continued)

retirement is being allowed to affect that principle. In his Happy Station show on Sunday, November 16, 1969, Eddie Startz introduced as the new man at the helm, 31 year old Tom Meyer, well known to listeners of Radio Nederland's "800 Show".

As he has handed over the Happy Station, Edward Startz wishes to express his heartfelt thanks for all the kind loyalty and friendship shown to him over the past decades by his worldwide audience.

... via Radio Nederland

A well deserved rest for a true showman..... we'll miss you, Eddie Startz, but thanks for the many pleasant hours of listening which you provided year after year!

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SAUDI ARABIAN SW
BROADCASTS IN ENGLISH

Don Adams

A long time broadcaster in the Arabian Gulf area, the Broadcasting Service of the Kingdom of Saudi Arabia is presently beaming an English language transmission from 1700 to 2000 GMT, currently on 11855. The main core of the broadcast is a digest of music, mostly popular and jazz selections. Ten minute bulletins of local and international news are presented at 1730 and 1945 GMT. Within the broadcasts, listeners may hear brief commentaries by the Saudi Arabian press.

"Listeners' Requests" is a regular program of favorite musical selections played for listeners and a careful monitor of these programs will note that a great number of pieces are played for people in Jeddah. This seems to be strong evidence that the programs are meant more for domestic than external consumption.

Reception reports are verified with a QSL card. The card has an emblem of crossed swords in green, while verification data is in black. Reports should be sent via registered airmail, to avoid loss.

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IW - WERTACH VALLEY

Do you know of the Wertach Valley? It doesn't matter if you don't, because although it is rather picturesque, it is still unknown to many Germans. Better known is the district town of Mindelheim, which was surrendered by the German Kaiser to General John Churchill, the Duke of Marlborough, in 1705.

The idyllic Wertach Valley in the district of Mindelheim will be quite familiar within the next few years to the listeners of Deutsche Welle. It was here that the West German Minister of Posts, Dr. Werner Dollinger, laid the foundation stone for one of Europe's biggest shortwave stations on the 26th of August 1969.

The current site of the Deutsche Welle transmitter site is in Julich, but this complex of nine 100 Kilowatt transmitters and one reserve transmitter no longer is able to serve the purposes of the Deutsche Welle. In order to make the German voice

DW "WERTACH VALLEY"
(continued)

better heard in the world chorus, the Federal Post Office is building this new transmitter station in the Wertach Valley, which will later comprise twelve shortwave transmitters, each with a carrier power of 500 Kilowatts.

The first stage of construction cover eight transmitters. By 1972, when the Olympic Games are to be held in Munich, the German Post Office will have four of these transmitters ready to go into operation.

....via Deutsche Welle's "Hallo Friends 5/1969"

A VISIT TO BETHANY

In September of 1969, well known European DXer, Martin Hall of England, visited the United States. Prior to his arrival in Columbus, I wrote to the Voice of America in Washington D.C. and requested permission to visit their transmitter site at Bethany, Ohio. Permission was granted and on the 19th of September, Martin and I took a pleasant 80 mile drive through the rolling hills of southwestern Ohio, down to a site between Cincinnati and Dayton. The place? The Voice of America. Actually, the Voice sits much closer to Mason, Ohio, and is several miles south of Bethany.

Arriving at the site, we were greeted by the Station Manager, Mr. Henry B. Poole, Jr. Mr. Poole has been with the Voice of America for many years and has served in various capacities in the overseas relay stations.

The complex is housed in a four story building which was built in the 1940s soon after the Voice came into existence. We were shown the administrative offices and the local "repair shop" where minor maintenance is done. Into the ultra-modern transmitter room....there are six transmitters at Bethany ranging in power from 7½ Kilowatts to 240 Kilowatts. The size of these is quite spectacular...the final stages take up roughly 15 feet, each. Power is supplied by an internal plant generation system capable of running all the transmitters at full power for a virtually unlimited time.

Bethany, according to Mr. Poole, is the back-up station for Greenville. In fact, the station must be capable of taking over the entire operation of supplying programs to the European and African relays of the Voice within a short period of time. The 7½ Kw. transmitter is used for point-to-point backup ...

The control room is situated in a glassed in area inside the transmitter complex, so that the engineers may manually check the transmitters when desired. This did not appear to be necessary, for the control board consisted of three sides...and each "side" could easily seat 4 men or more. The equipment is designed to accommodate a total of ten transmitters...and the extra controls are simply not connected. Mr. Poole stated that a program of modernization was in effect for all of the various Voice relay sites. I might add from my own observations that the equipment present appeared to be quite new and was certainly contributory to the high quality of the engineering which enables Bethany's signals to sound so perfect. Any Voice program being beamed out may be monitored by the engineers simply with a push of a button.

A VISIT TO BETHANY
(continued)

Leaving the transmitter room, we stepped outside and began walking toward the giant antenna complexes. The antenna switching matrix is still done manually and Mr. Poole pointed out that this was one of the next things to be modernized. We asked if anything happened if the transmitter was still feeding the antenna when the switch was pulled. He replied that there was generally a beautiful shower of sparks...which tended to remind the engineers that they should be rather careful before touching the matrix.

Proceeding out into the field, Martin, Mr. Poole, and I walked out under the giant 350 feet high tower for the curtain antenna directed to Africa. While we were under the curtain portion of the antenna, Mr. Poole remarked that a full power signal was being radiated from it to Africa. Connected to the African curtain is one for the European continent. We also saw the low frequency antennas for North Africa as well as the low frequency antennas for the European continent.

To the east is the tall tower of W L W in Cincinnati, Ohio (a medium wave station operating on 700 KHz.). I mention this because the Bethany station of the VOA includes the same towers used by the Crosley station back in 1943. These wooden towers are still standing and are used for transmissions directed to Latin America. As many of you older DXers will know, Crosley's shortwave counterpart was purchased by the Voice of America in order to fight Nazi propaganda from Germany.

If you visit a Voice of America relay site, but sure to obtain permission to take along a camera. We did and the photographs which resulted are something which will fascinate you long after your visit is over.

During our conversation, the subject of verifications came up. Mr. Poole said the reason the local sites do not verify is a ruling from Washington. All reports must go there to be checked and verified. The time involved in doing this is considerable and the engineers are unable to take that time from their work.

My thanks to Mr. Poole for an excellent tour and to the Voice of America for granting us permission to visit their relay site in Bethany.

W. A. Matthews

NATIONAL DAYS

Gregg Calkin

On days of national importance, many stations extend their schedules or run special programs in celebration of the event. With these thoughts in mind, the DXer may find the following of use.

February:

- 4 Ceylon Independence Day (1948)
- 6 New Zealand New Zealand Day (1948)
- 18 Nepal National Day
- 25 Kuwait National Holiday
- 27 Dom. Rep. Independence (1844)

March:

- 3 Morocco National Day
- 6 Ghana Independence Day (1957)
- 11 Denmark Birthday of His Majesty the King
- 23 Pakistan Pakistan Day

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RADIO FREE EUROPE

Radio Free Europe, known to most Americans as a big radio station that broadcasts to eastern Europe, has grown over its nineteen year history much like many Stateside broadcasting organizations. Its growth, while rapid, has not been marked by haywire engineering or hastily contrived makeshift projects.

The keynote of RFE's engineering program has been to thoroughly assess engineering requirements and fill them as quickly as possible with the best possible equipment and engineering practices. This has led to the development of RFE's house-designed and built master control system. Completed in 1965 at a low cost of \$ 12,000, the system was designed to provide reduction of extra personnel, partial automation, virtual elimination of production errors; fail-safe circuitry and minimum component maintenance and downtime. In its four years of heavy usage, it has provided these features most satisfactorily and reliably.

In its 19 years of operation, Radio Free Europe has grown from a single 7,500 watt transmitter in a truck to a 32 transmitter system broadcasting from three sites in Western Germany and Poland with a total power of 2,245 Kilowatts. All systems are linked together and fed from the main operations center in Munich, Germany.

A separate audio feed in each of the five languages is sent to select transmitters from the Munich headquarters, making it necessary to control five separate programs in the studios at one time. Because each language is programmed by its own department, control room co-ordination is difficult. The master control system, however, provides centralized audio and switching control.

A unique feature of the system is that, essentially, the traffic department not only determines the program continuity but actually operates the switching equipment. This is done by a teletype tape punched in accordance with each day's program schedule for each program. These tapes are prepared along with the program logs and sent to master control each morning where they are threaded on tele-type tape-readers mounted on the front of the selector panels ... one for each language program.

Each tape selects the first program source (live studio, news booth, tape playback) and then moves on to the next program source while the first source is being aired. It prepares the system for the next event which is then triggered by an OFF signal from the first source. This signal is given either by OFF buttons in the studios and news booths or by a cue tone on a playing tape. The selection cycle then repeats itself, arriving at the source which the tape reader has previously selected.

As soon as the cycle is complete and the new source is on the air, the tape reader moves to the third source and prepares the system for that selection. The cycle repeats itself throughout the day, arriving at whatever source has been punched on the tape. This effectively reduces manual switching to presets at the beginning of the day and periodic tape machine setup and sequence selection.

When the tape reader has set itself on the next source to be aired, a "stand by" tally light appears on both the selector panel in master control to indicate that the selection has been made and in the selected studio or news booth to let the announcer there know he's next.

Along with the appearance of the "stand by" light, an alarm is set. The alarm will sound if the source is not ready at air time. Readiness is indicated by the announcer at the selected studio or news booth pressing a "ready" button. The supervisor in master control can tell at a glance which source is next and whether or not it is ready by observing the "stand by" and "ready" tally lights on each of the five selector panels.

When the OFF signal is given from the prior source, the new source is selected and

RADIO FREE EUROPE
(continued)

and an "on air" tally light appears on the selector panel and on the selected console. This is the announcer's cue. If a tape machine has been selected, it starts. If the "ready" tally light has not been lit by the announcer's button or by threading of the selected tape, the alarm rings. If it's a news booth that has been selected but is not ready, the alarm rings in the news department. Each time a studio or news booth is used, the "ready" button releases, so it must be depressed each time that source is to be used. This prevents its being left depressed all day and giving false "ready signals".

The master control room is also the location of the central tape playback facility. This frees the operators and announcers in the studios to prepare and perform their programs without interruption. Each language has a bank of three reel-to-reel tape playback transports plus two cartridge players that can be added to any bank. Each machine has its own RFE-designed transistorized playback preamp and each bank is connected into a tape sequential selector unit which can automatically sequence the three tapeplayers in its bank in any predetermined order.

The sequential selector also provides for the addition of one of the tape cartridge players to any bank. The cartridge player can then be included in the playing order.

As each transport plays, its selector button is magnetically released, thus preventing automatic re-selection of the first transport after the last one has played. This allows the OFF signal to be sent to the automatic program switcher, allowing it to select the next program source. Like the tape program switcher, the tape sequential selector has complete manual override in the event of automatic control failure. It also has an alarm which sounds if a transport is selected but not cued or threaded or if a tape breaks while on the air.

The tape playback machines are also automatic. Once the tape is placed on the machine and threaded, it is only necessary to press the start button on the machine to cue the tape. The machine will run until the first modulation passes the playback head, then it will stop, back up about 8 inches and stop again with the tape properly cued. At the conclusion of a program, the machine will stop and automatically rewind the tape then stop when the reel is completely rewound.

RFE's needs are somewhat specialized and often a commercially built piece of equipment will not fulfill their requirements. The master control system, precisely tailored to their needs, is one example of RFE's approach to engineering and production equipment. This approach has led to the design and construction of many other pieces of equipment, such as the studio consoles and remote consoles for the far flung news bureaus, the house monitor system and many power monitor supplies, high-power transmitter combining diplexing and switching systems and specialized antenna systems.

As RFE's engineering department puts it, "We'll design and build our own equipment if a commercially available design won't fit our needs, if we can build it less expensively or if we can build it with better quality than commercially available equipment". With its many specialized needs, its sense of engineering economy and efficiency and its knowledge of state-of-the-art technology, RFE will undoubtedly be designing equipment for some time to come.

J.R. McDonald Jr.
Deputy Director, US Army, Europe MARS
Program
in Broadcast Engineering
.....via Gerry L. Dexter

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SVETLANA SPEAKS

Russians who tuned in to a special Voice of America broadcast recently heard a voice from the past talking about her "easy life" in the United States - "free, gay, and full of bright colors".

It was Joseph Stalin's defected daughter, Svetlana Alliluyeva, bridging the cultural gap. "I know, of course," she told her ex-countrymen, "that there is no ideal society on earth. There are always defects. Here, too, I see them. I do not close my eyes to them."

"For me the most important thing is the difference which I feel literally within my own skin, with my whole being. All this difference is in favor of America and this is what I am talking about and will continue to talk about."

She said she was trying to correct the "distorted picture" the Soviet people have of her life in the U.S. "All that is based simply on ignorance and the great gap between our two countries," she said.

Detroit Free Press
...via Bob Hagerman

* * *

CHRISTMAS AT RADIO HANOI

The voice was scratchy and occasionally a word was lost, but there was no doubt he was who he claimed to be. Navy Lt. (J.G.) Joseph Mobley came on Radio Hanoi briefly from a spot identified only as a "camp of detention for U.S. pilots captured in the Democratic Republic of Vietnam." He voiced Christmas greetings to Cheryl, his wife of three years, in Beverly Hills, California. Cheryl didn't hear it. She had no advance notice it was coming, so she was asleep. Since then, she has received a transcript and a tape.

It was, she said in a telephone interview, a "very nice, warm message with, as far as I could make out, no propaganda. He said he prayed we would be together next Christmas, he wanted me to be happy, and said he was fine, in good health."

This was the best present Cheryl Mobley will get this Christmas season. It was the first direct word she'd had from her husband. Until six months ago, she did not know whether he was alive. Then, Air Force Captain Wesley Rumble came home to tell her he had been Joe Mobley's cellmate and he was all right.

The Defense Department says there are 1361 Americans missing in action or captured by the enemy in Vietnam. Of these, 419 have been confirmed as prisoners. Many wives of missing men still do not know whether they are widows.

On December 9, Radio Hanoi announced the next day it would begin broadcasting Christmas and New Year messages from "U.S. pilots taken in the Democratic Republic of Vietnam." It pointedly avoided referring to them as prisoners of war. To the North Vietnamese, all prisoners seem to be pilots, although some are known to be navigators, gunners, and enlisted men.

Since the notice was announced, there have been 10 such broadcasts, all in English. They have been picked up in Hong Kong, then flashed to the United States. The Pentagon monitors the broadcasts closely, hoping to pick up a name that can be transferred from the missing to prisoner of war list. To date, all have been made by men already known to be POW's.

CHRISTMAS AT RADIO HANOI
(continued)

POW's say the things you could expect of husbands, fathers, and sweethearts. They are cheerful, even hopeful. They say that they are in good health. They speak of letters received in 1968 as though they arrived only yesterday.

Jim G. Lucas in the
Columbus Citizen-Journal
December 19, 1969 edition
....via WAMatthews

At this point, I must point out that Mr. Lucas' mention of ten broadcasts corresponds to the number of days between Radio Hanoi's announcement and the day the article appeared.

According to a note in today's paper, a listener in South Carolina heard messages from the POW's on Radio Havana Cuba Sunday evening (local EST time), January 18, 1970. According to the listener, Havana announced that these same messages would be carried on Radio Moscow the next evening (Monday) at 7:00 P.M. EST.

During the half-hour transmission from 7:00 to 7:30 P.M. on January 19, 1970, Radio Moscow presented a program consisting of message from United States POW's in the Democratic Republic of Vietnam. According to the announcements, all tapes were made by Radio Hanoi inside the detention camp at which the men are staying.

The text of these messages match the excerpts found in Mr. Lucas' article. I have not included them as the texts are quite long and repetition is unnecessary in this case.

A late announcement on the American FM Network (just as I am typing this) indicates that the State Department has filed a protest with the Soviet Government over the airing of these messages...charging that their use is solely for propaganda. You are left to draw your own conclusions regarding this charge by the State Department.

WAMatthews

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VIEWS AND NEWS

A "semi" editorial on the Short Wave Center.... I would like to take this opportunity to thank each and every contributor to the Short Wave Center for your most valuable contributions. They have been most helpful and I seek your continued co-operation in the future. All articles are gratefully received and will be considered for inclusion in this section.

During the past three weeks, I have sent out over 132 letters - many to SWC contributors. Thank you for your patience in awaiting my replies. All of this typing is done with one-finger (hunt and peck system)...so errors do occur. Apologies, but I don't always catch the typing mistakes! Aside from the typing, this is your section. Keep up the good work! Especially desired are articles on stations, for they enable all DXers to have a quick capsule summary of the station and its policies.

Next month in the March SWC, you'll read about "Sounders"....VUNC....SW Radio in 1932 (before ace-DXer Arthur Cushen even began listening!)....TCMA.....reaction to

VIEMS AND NEWS
(continued)

the Voice of America blackout of coverage to Latin America (including the VOA's answer to a Congressman's question on the subject)...and, of course, a few other features. See you then!

* * *

ALL INDIA RADIO

Part I

The last two decades have seen a remarkable transformation in the lives and thinking of the Indian people. Apart from significant changes in the economic and social spheres, India has taken almost incredibly rapid strides during these twenty-five years in the matter of general constitutional and political development. The biggest reforms, as an eminent writer on socio-economic subjects pointed out recently, that can occur to a nation, political franchise to all above a certain age and land reforms have been India's equivalents of the most potent revolutionary slogans for any age: freedom for women and abolition of taxes.

As a powerful mass communication medium, All India Radio has played a significant role in the great task of informing, educating and inspiring the people towards a higher standard of life - economically, socially, and culturally. Therefore, the story of the expansion of this organization unfolds, in a way, the many urges and aspirations of the people of free India just as it turns the torch on India's nation-building programs, the ideals and the State policies.

Broadcasting in India may not have, as in the developed countries, penetrated to all strata of society to the extent desired owing to the limitation of resources. However, it cannot be denied that it has pervaded the lives of the people in every nook and corner of that vast country and, through information and education, has proved to be the most effective ally of modernisation. The medium of broadcasting, for example, came in for great use as a means of disseminating information on improved methods of agriculture and planning for a more prosperous India. Whether the reconstruction programs relate to industrial development or liquidating illiteracy or promoting family planning schemes, or fighting superstition and obscurantism, All India Radio has ever been in the vanguard of the national awakening.

* * *

Part II of this article will appear in next month's FRENDX. The necessity of splitting this article is due to its length.

Also next month.....an article on All India Radio from the Christian Science Monitor which brings up the charge that the Prime Minister is using it as a political tool. Look for it - next month!

* * *

In January 1970, the New York based Pan American Broadcasting Company celebrated its 35th year in the field of international broadcasting. During this time, it has provided an important link between religious broadcasters in America and the rest of the world. The P.A.B. Company represents more than 75 radio and TV stations world-wide. It is the largest representative in the world.ICB Bulletin via R. Williams



NEWSROOM

ROBERT HAGERMAN*EDITOR
475 WILSON STREET
HEMLOCK, MICHIGAN 48626

Deadline 15th of Month

Radio Tanzania, Dar es Salaam, says that the power on their Swahili service frequency of 5985 kHz is 50 kw., not 100 kw. as stated in the WRTH Summer Edition 1969. They use a curtain antenna on 5985. (Direct via R.Tanzania CE)

According to the Radio Canada Shortwave Club, the CBC International Service new SW xmtrs will be testing to Europe by the end of 1970, the next three by the end of 1971, and the overall completion date is 1974 (Ed. note: a conservative estimate). (RCSWC via Stephen Allen, Massachusetts)

Radio New Zealand sends this sked for English transmissions:
To Pacific Islands: 1700-1945 on 9755, 11780; 2000-2400 on 15110; 0015-0545 on 15280; 0600-0845 on 9540, 11780 (on Sundays 9540 goes off the air at 0800).
To Australia: 2000-0545 on 17770; 0900-1145 on 9520, 11830.
Antartic Service (Sundays only): 0815-0845 on 9520. For the xmsn to Pacific Islands at 0600-0845, on Tuesdays from 0720-0800 there is a programme in Samoan; Wednesdays from 0810-0830 in Rarotongan; and on alternate Wednesdays from 0720-0730 in Niuean. Address is: Radio New Zealand, New Zealand Broadcasting Corporation, P.O. Box 2396, Wellington 1. (RNZ via John Tuchscherer, Wisconsin; and via Jim Weber, California).

In the January 1970 issue of National Geographic magazine there is an excellent, very accurate and very detailed wall map of all islands in the Caribbean. Well worth having!

Radio Bougainville, on Bougainville Island, is currently out of QSL cards, but will send a friendly letter. The station Manager, Geoffrey N. Heard, says that although their station is designed to cover only the island of Bougainville, he is pleased to know that they are being heard overseas. The frequency is 3322.5 kHz, and current s/off is 1230. Address reports to Radio Bougainville, Kieta, Bougainville Island. (Radio Bougainville via George Fisher, Colorado)

Radio Denmark is now off the air (in English and Spanish). They still have broadcasts in Danish to NA from 1200-1245 on 15165; and 0100-0145 on 9520. However, "The answering of non-Danish correspondence will cease upon the termination of the foreign services." And that is bad news. Is this discriminatory move dictated by the budget cutback? Maybe with time (and pleading?) they will answer English reports once again. At least we hope so. (Direct from R. Denmark and via Rob Harrington, Colorado; Dick Heggs, British Columbia; and Robert Fisher, California).
According to SCDX'ers, a "DX-Window memory card with a photo of the DX-Window gang can be obtained by sending one IRC to the Danish ShortWave Club, DK-2670 Greve Strand, Denmark." (SCDX'ers bulletin 1051-1052)

* * *

REPORT TO NEWSROOM REGULARLY. YOUR SUPPORT IS IMPORTANT.

A batch of mistakes went into Radio Malawi's sked in Jan. So, here is their current sked, corrected: 0345-0605 on 3380; 0620-1445 on 5995; 1500-2105 on 3380. On Saturday, on 3380 until 2305 (but seems to be closer to 2310 recently); and on Sundays the same except on 3380 from 0355-0605. And, on 5995 on weekdays, they have been noted to a 1600 s/off instead of listed 1445. Temporary or permanent change? (R. Malawi via Robert Shepherd, Australia)

The commercial service of Radio South Africa, Springbok Radio, has a new frequency of 7295 kHz, apparently all-night local South African time (GMT + 2 hours). At 0430 GMT they have world news, with "VVV" in Morse Code before and after the news. The sponsor for the news is Lexington Cigarettes. A good signal in Colorado, seems to be more power than listed 3 kw. (George Fisher, Colorado)

For the technically-minded DX'er, Rod Williams informs us that these publications are now available from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402: 69Y - Ionospheric Radio Propagation. Emphasizes electron-layer production, the geomagnetic field, magneto-ionic theory, oblique propagation, and other newly important aspects of high-frequency radio wave propagation. Traditional areas are also covered, and in order to provide better perspective over the frequency spectrum, two new chapters—one on propagation of VHF, one on low and VLF—have been included. 470 pages illustrated. C 13.44:80. Clothbound, \$2.75. 11X - NBS Frequency and Time Broadcast services. Detailed descriptions are given of eight technical services provided by the National Bureau of Standards radio stations WWV, WWVH, WWVB, WWVL. 14 pages, illustrated. C 13.10:236/7. 25¢. (GPO via Rod Williams, Georgia)

RAI, Italy, has these xmsns in effect until February 1970: English: NA, from 0100-0120 on 6010, 9575; Japan: 2200-2225 on 5990, 9710, 11905; South Asia: 0350-0410 on 9630, 9710, 11905; Britain: 1935-1955 on 6050, 7275, 9710; Mediterranean Area: 0425-0440 on 6075, 7275; and to the Near East from 2025-2045 on 6050, 9575, 9710. They have Italian broadcasts to NA from: 1830-1905 on 17770, 15400, 15270; 2230-0100 on 11905, 9710, 9630; and in French from 0120-0135 on 6010, 9575. (RAI)

Radio Clube de Cabo Verde, in the Cape Verde islands tells Kris Lemna that they are on daily from 2100-2300 with 5 kw. They give a nominal frequency of 3960 kHz, but it has long been logged/measured at 3883. Programs are in Portugese. The address for reports is: P.O. Box 26, Praia, Ilha de Santiago, Cape Verde Islands. (R.Cl. Cabo Verde via Kris Lemna, Indiana)

Deutsche Welle, in the German Federal Republic, says that the Federal Post Office is building a new transmitting station for DW in the Wertach Valley. It will eventually consist of 12 transmitters of 500-kw. each. The first eight should be well on their way by 1972. Four of these will definitely be ready to go into operation by 1972, when the Int. Olympic Games will be held in Munich. (DW direct and via Rob Harrington, Col., and Stephen Allen, Massachusetts.) (Ed. note: And the power/frequency struggle/strangle continues.)

The Cyprus Broadcasting Corporation, P.O. Box 1824, Nicosia, Cyprus, is currently testing on 11910 from 1900-2015 weekdays, and on Sundays from 1045-1105 on 17875. Both are 30 kw. (CBC via Don Adams, North Carolina)

Here is the latest sked of Radio Australia via their Darwin relay: English: 2100-2215 on 7180 to E. Asia; 0015-0900 on 17715 to SEA; also to SEA from 0030-0900 on 21485; 1600-1730 on 6055; to Asia generally: 0030-1230 on 15355; 1430-1730 on 15355; and to Japan from 1500-1730 on 9595. Other broadcasts are:

Indonesian: 2230-0030 on 11840, 15355; 0900-1030 on 11960; 0900-1130 on 9595; 1030-1600 on 6055; 1500-1600 on 9595.

French: 2315-0015 on 15130.

Mandarin: 1130-1330, 1430-1500 on 9595.

Cantonese: 1330-1430 on 9595.

Vietnamese: 1230-1330 on 9650.

Thai: 1330-1430 on 9650. (RA via Robert Shepherd, Australia)

Radio Tropical in Caracas, Venezuela, transmits on 4870 kHz. Reports are wanted, can be in English, Spanish, or Italian (!). Verification signer is Senor Jose A. Brito Bermudez. Address: Radio Tropical, Apartado Postal 3674, Caracas, Venezuela. Return postage is appreciated. (R. Tropical via Robert Fisher, California)

Mr. A. H. Kaleem of Radio Pakistan informs John Banta that he/Radio Pakistan wants reports from North America on this xmsn: 1945-2030 on 9665, 11672 kHz. (Varies to 11662 kHz.) He wants all reports for this broadcast to be sent directly to him in Rawalpindi. (R. Pakistan via John Banta, Bay Shore, New York)

Radio Tashkent, Uzbek SSR, continues to broadcast on 9600 and 11925 with this programme schedule: English: 1200-1230; 1400-1430;

Hindi: 1300-1330; 1500-1530.

Urdu: 1230-1300; 1330-1400.

Persian: 1600-1630; 1730-1800.

Uzbekian (?): 1630-1700.

They are a good verifier, and reports go to: Radio Tashkent, Tashkent, Uzbek, USSR. (R. Tashkent via Dick Heggs, British Columbia)

Radio Mexico has this sked in effect currently: 2300-0600 on 6055, 9535, and 11720 (nominal) kHz. Broadcasts are primarily in Spanish, French, and English. They do verify, usually signed by Dr. Jorge A. Lopez Reyes, General Manager. (R. Mexico via W.W. Sterling, Honey Brook, Pa. and via George Fisher, Colorado)

Kol Israel Radio, in Jerusalem, has English on daily from 2045-2115 on 9009, 9625 kHz. This is to Europe and United Kingdom. The 0400-0415 broadcast to NA was dropped a while back. They still want reports, though. (Kol Israel via Dick Heggs, B.C.) (Ed. note: Do they still broadcast on 9725 from 2030-2045?)

These changes in Radio Ghana's sked as published last month: English: 1645-1730 (Service 6 to East Africa) on 17870; which replaces 15285; and they apparently have dropped 9760, now on 11850 only to broadcast for NA from 2000-2100. (R. Ghana via Dick Heggs, and via Stephen Sllen)

Tests from the Perth relay ended in mid-January (for Radio Australia, once again.) It was just an experiment to see what signal strength would be like in Africa. There was no plan to make regular broadcasts from Perth. Transmitters used were a spare 10 kw. unit and a 50 kw. unit used for daytime reception on 15425 (VLX15, the Home Service station from Perth of the Australian Broadcasting Commission). The Home Service other outlets from Perth (VLW/X.6/9) on 6140 and 9610 were in regular operation while RA was testing from Perth. (Gordon Cairns, program manager of RA via Robert Shepherd, Aust.)

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SUPPORT YOUR CLUB - REPORT TODAY!

From Finland, the Finnish Broadc. Co. in Helsinki sends this sked along, effective to March 1: English:1800-1830 on 11755 (a completely new frequency); and to NA from 2300-2330 on 15185. Another new frequency is 9525, in Finnish from 2000-2100, //11755, 15185.

Other transmissions, for Finnish or Swedish (or both) programmes, are: 0400-2200 (Sun 0530-2200) on 6120; 0600-0630 (Sun 0630-0650) on 9550, 11755; 1000-1115 on 9550, 11755, 15185; 1200-1315 on 9550, 11755, 15185; 1500-1555 on 15185; 1500-1655 on 11805; 1500-1830 on 9550; 1700-1800 on 11755; 1600-1830 on 15185; 2000-2100 on 9525, 11755, 15185; and 2330-2400 on 15185. (FBC direct via NASWA HDQS and via Robert Shepherd, Australia)

Radio "Kiev", Ukraine (hi), send this list of their latest sked for English xmsns: On Mondays, Thursdays, and Fridays (GMT), to Europe:1930-2000 on 5920, 7120; 2230-2300 on same frequencies; to NA:0030-0100 on 7330, 9480, 9610, 9660, 9760, 11700; 0430-0500 on 9610, 9660, 9760, 11700, 11730. Keep in mind that although these ID as "Radio Kiev, Ukraine", they are actually transmitted from sites all over the Soviet republics, depending upon the frequency. (R.Kiev via Les Gaynor, Mich.; Rick Anderson, Illinois; Stephen Allen, Mass.; and Dick Heggs, B.C.)

Deutsche Welle, West Germany, has these English broadcasts to NA:0130-0250 on 6040; 6075, 9735; 0435-0555 on 6075, 6145, 9545; 1045-1055 on 9605, 11795, 11905; 1900-1910 on 9605, 11795, 15245. (Direct from DW)

Radio Warsaw, Poland, has this (partial) English sked currently: English to NA on Saturday GMT on 9655 from 0315-0345; also to Europe from 0700-0730 on 6035, 7125; 1830-2000 on 6135, 7145; 1100-1125 on 7145, 9675; 1930-1957 on 6035, 7125; 2030-2055 on 6135, 7145; and 2230-2300 on 5995, 7285, 9540, 11955. (R.Warsaw via Dick Heggs and via Les Gaynor)

All India Radio, New Delhi, lists this sked in effect until February 28, 1970: English GOS: 0015-0115 on 11710; 0030-0115 on 15235, 15340; 2245-0000 on 3905; 2245-0015 on 7235, 9615; 2245-0045 on 9530; 2245-0115 on 11895. GOS II:1000-1100 on 11775, 15105, 15205, 15430, 17800, 17820, 21485. GOS III:1330-1500 on 11810, 15335. GIS IV:1745-1945 on 15080; 1745-2030 on 11620; 1745-2230 on 7215; 1945-2045 on 9690, 11960; 1945-2230 on 9912; and 2045-2230 on 9912, 11740. (AIR via Dick Heggs)

A catalog listing almost all SWL wants and needs is to be had from GILFER Associates, Inc., Box 239, Park Ridge, N.J. 07656. It's called: The World of SWL'ing.

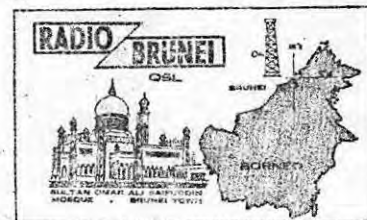
Many thanks for all the fine reports (ers) this month:

Don Adams, North Carolina
 Stephen Allen, Massachusetts
 Rick Anderson, Illinois
 John Banta, New York
 Stanley Cabral, California
 George Davenel, New York
 George Fisher, Colorado
 Robert Fisher, California
 Les Gaynor, Michigan

Rob Harrington, Colorado
 Dick Heggs, British Columbia
 Albert Ilgenfritz III, Ohio
 Kris Lemna, Indiana
 Robert Shepherd, Australia
 W. W. Sterling, Pennsylvania
 John Tuchscherer, Wisconsin
 SWNS. SCDX'ers
 NASWA Headquarters

Please keep the reports coming! Everything is given editorial consideration. In case anyone has any last minute items, the phone number here is 517-642-5516. Be sure to mention if you want your skeds returned or not. Until next month, 73 de Bob

QSL REPORT



GREGG A. CALKIN
NASWA QSL EDITOR

131 COOPER ST., APT. 903, OTTAWA 4, ONTARIO, CANADA

Deadline: Fifteenth

1970 STATION PENNANT LIST

Afghanistan: Radio Kabul (flag)

Albania: Radio Tirana

Argentina: Radio El Mundo
Radio Belgrano
Radio Nacional

Australia: A.B.C.

Belgium: ORU, Brussels

Bolivia: Radio La Cruz del Sur
Radiodifusora Altiplano
Radio Universo
Radio Litoral
Radio Amoro
Radiodifusora Los Andes

Brazil: Radio Rural Brasileira
Radio Vitoria
Radio Anhanguera
Radio Nacional Rio
Radio Sociedad de Santana
Radio Aparecida

Brazil: Radio Bandeirantes
Radio Brasil Central
Radio Tupi de São Paulo
Radio TV Gaucha
Radiodifusora Taubate
Radiodifusora Teresina
Radio Diario de Manha
Radio Clube Paranaense
Radio Record
Radio Guaiba
Radio Jornal do Brasil
Radio Guarani
Radio Inconfidencia
Radio Pioneira de Teresina
Radio Cultura de Campos
Radio Poti
Radio Cultura, São Paulo
Radio Guaraja
Ceara Radio Clube

Bulgaria: Radio Sofia

Canada: Radio Canada (joining RCSWC)

Canary Islands: R. Nacional de España

Chile: Emisora Coöperativa
Radio Nuevo Mundo
Radio Sociedad de Minería

Colombia: Emisora Nueva Granada
Radio Sutatenza
Radio Colosal
Radio Bucaramanga
Emisora Atlantico
Radio El Sol

(continued)



Colombia: Radio Neiva
 Radio Santa Fé
 Radio Valledupar
 Radio Villavicencio
 La Voz del Pueblo
 La Voz del Caqueta
 Ecos del Combeima
 La Voz del Cauca
 La Voz del Tolima
 Ondas del Meta
 Transmisora Caldas
 La Voz de Cali
 Institutio Nac. de Radio
 Radio Guatapuri
 Radio Pacifico
 La Voz del Centro

Costa Rica: Radio Casino
 Faro del Caribe
 Radio Reloj
 Radio Atenea
 La Voz de la Victor
 Radio Titania

Cuba: Radio Habana Cuba

Czechoslovakia: Radio Prague

Dominican Republic: Radio Exitos

Ecuador: Radio El Progreso
 Radio Luz y Vida
 Radio Cenit, Portoviejo
 Canal Manabita
 HCJB, Quito
 Ondas del Angel
 Radio Exitos
 Radio El Mundo
 HC2AK, Radiodifusora del Ecuador
 Radio Centinela del Sur
 Radio Nacional del Ecuador
 Emisora Gran Colombia
 Ondas Azules
 Radio Atalaya
 Radio Atahualpa
 La Voz de Los Caras

El Salvador: Radio Nacional YSS

France: O.R.T.F.

G.D.R. Radio Berlin International

G.F.R. Deutsche Welle

Guatemala: La Voz de Nahuala
 Radio Chortis



Radio Nacional Quezaltenango

Honduras:
 Radio Suyapa
 Radio Continental
 La Voz de Central America

Hungary:
 Radio Budapest

Iran: Radio Itan (flag)

Israël: Kol Yisraël

Italy: R.A.I.

Japan: N. H. K., Tokyo

Latvian S.S.R: radio Riga

Lebanon: Radio Beirut (flag)

Mexico: XECM-XECMT
 XEUW, Vera Cruz

Monaco: Radio Monte-Carlo
 Norea Radio
 Trans World Radio

Netherlands: Radio Nederland Wereldomroep

Netherlands Antilles: Radio Nederland
 Trans-World Radio

Nicaragua: Radio Nacional

Norway: Radio Oslo (flag)

Panama: La Voz del Barú

Paraguay: Radio Encarnacion
 Radio Charitas
 Radio Teleco

Poland: Radio Warsaw

Portugal: Radio Portugal

Peru: Radio Tropical
 Radio del Pacifico
 Radio Arequipa
 Radio Tahuantisuyo
 Radio Pucallpa
 Radio Atlantida
 Radio Tingo Maria
 Radio Nor Peruana
 Radio Nacional, Tumbes or Lima
 Radio Union
 Radio Nacional,
 Tacna

Romania: Radio BucharestU.S.A.: WNYW, New York City
KGEI, San FranciscoSão Tomé: Radio Clube de São ToméU.S.S.R.: Radio MoscowSouth Korea: Voice of Free KoreaVietnam (DR): Radio HanoiSpain: Radio Nacional de EspañaVenezuela: Radio FronteraSweden: Sveriges Radio, Stockholm

Radio Giradot

Taiwan: Voice of Free China, Taipei

Radio Junin

Turkey: Radio Ankara (flag)

Radio Popular

Radio Yaracuy

Uruguay: Radio Ariel

Ecos del Torbes

La Voz del Tachira

Radio Carve

Ondas Portenas

Radio El Espectador

Yugoslavia: Radio Belgrade

Special thanks to our faithful reporter, Marlin A. Field who compiled the above listing for QSL REPORT. We are sure it will prove of considerable use to those among us who collect pennants.

QSL'S RECEIVED

An excellent selection of QSLs this month, but your editor would draw your attention to the several now coming from Bougainville thanks to member Dr. F. Earle Hall, plus those in from Botswana, Garoua, FBS/Athens, Fiji, Laos, Latvia, Seychelles, Uganda, and Tromsø/Norway xmtr.

ALBANIA: Radio Tirana, 9780, folder card depicting flag on rifle barrel united w/pik by registered seamail in 100 days. Full data. 2 IRCs sent (Calkin) separate cards for 5948 and 7065 from the Foreign Language Dept. 18 weeks; no IRCs (Padula)

ALGERIA: Algiers, white card in 2 months seamail for 11810. In French (Cabral)

ANGOLA: Voz de Angola sent card of Lobito airport indicating 5960 kHz. Mint stamps sent Time: 20 days (Anderson)

ARGENTINA: RAE, Buenos Aires, 9690, unsigned card in 8 months (Seth) 5 months air; rpted in English w/out IRCs (Waz) meaningless card indicating all frequencies in 11 months (Anderson)

AUSTRALIA: Darwin, 9620, Koala Bear card in 2 months seamail for special test, w/sked, data on Darwin and transmission charts. Rpted on RA card (Calkin)

Lyndhurst, 7205, card of Tasman bridge in 5 months. No IRCs (Parkinson)

Tasman Bridge in 8 months (Patterson) 15140, 114 days seamail. Gum Tree card (Steen)

Shepparton, 11740, Waratah card in 116 days (Marshall) 21740, in 4½ weeks airmail (Caldwell) Hobarts Bridge card seamail in 6 months from Merry Donnison (Heggs) seamail in 104 days; reported w/out IRC. Card has old House/Melbourne (Coppola)

(Please indicate in future reports which transmitter you have verified, please. GAC)

VLI6, Sydney, red/black/white card in 10 weeks air for IRC (Williamson) 6090, map card in 35 days (Marshall)

VLW6, Perth, 8 wks air for IRC w/new W. Australia map card (Williamson)

AUSTRIA: ORF, 6155, pic card of Vienna w/stamped backing in 36 days. Full data w/skeds and rpt form (Martin) 21670, b/w view card in 4 wks air. No IRCs (Padula)

BELGIUM: ORU sent pennant and mailbag paper in 1 month (Smith) blue/yellow card for 21530 after 1 month w/sked. No IRCs sent w/airmail report (Coppola)

BOTSWANA: card w/pic of elephant in 7 months for 3356 kHz. Card is result of f/up and came by air. 3 IRCs sent with original report (Shepherd)

BOUGAINVILLE IS: Radio Bougainville, VL9BA, 3322.5 kHz, letter in 10 months for taped and written report plus 5 IRCs from V/S: Geoffrey N. Heard, Mgr, per William Naru. (Poulis) 4 months, 3 weeks, letter saying out of QSLs (Dexter) 14 wks air (Williamson) 2½ months air by letter (Henderson) letter by air after 3 rpts including ½ hr tape and 3 IRCs and mint stamps. Last rpt sent registered air w/no results. Wrote to Dept. of Info and Ext. Sces, Konedubu and finally received reply after they wrote Kieta. 312 days total. No time or date, but confirms reception (Hall) 13 wks air for 4 IRCs; sent shots of self in Army uniform on Bougainville in 1945 (Sizer) letter in 29 days air for 2 IRCs. (Steen)

BRAZIL: Radio Brasil Central, Goiania, sends letter in Portuguese and English in 3 weeks air w/full data. IRC sent and reported w/NASWA Port. form. For 4995 (R. Murphy)

Radio Guaiba, Porto Alegre, 11785, attractive folder card w/full data in English and pictures of aerial view Porto Alegre. 4 wks seaimail. Stamps sent (Hurst)

Radio Jornal do Comercio, 9565, form card + decalin 2 months from Cecy Pontual, Secretaria. Mint stamps sent; reply by air (M. Kamp) 15145, white card printing in English and depicting studios; in silver w/data on station and sked in 3½ months. (Patterson)

Radio Televisão Vitoria, 5055, duplicated card on station, fairly good QSL text plus view card. V/S: Arnaldo Antonio Caliman, Relações Publicas (Sloan)

Radiodifusora de Goiania, Xmas card from Dr. Faremont Ramos de Campos. No QSL. (Sloan)

BRITISH HONDURAS: Belize, 3300, card w/full data in 1 month (Seth)

BULGARIA: Radio Sofia, 9700, Sofia U. card, letter, rpt form and prog. guide in 2 mos. (Ilgenfritz) "Kukery" card in 2½ months air for 5 reports (Waz)

BYELORUSSIAN SSR: Minsk, 15150, card from Moscow marked "via Minsk" in 127 days air after taped report. Also personal letter de Mrs. Eugenia Stepanova, p/cards, prog. booklet etc (Pappas)

CAMEROUN: Radio Yaoundé, 4972.5, yellow/green map card in 13 weeks seaimail for 4 IRCs. Full data in for taped rpt (Pappas) 17 days w/sked for mint stamps. No date (Hall)

Radio Garoua, 5010, green/yellow map card of the Cameroons, w/sked written in but no time or date. 11 days airmail for 2 IRCs (Hall)

CANADA: Radio Canada, 15325, Bluenose II card in 17 days from Supervisor of Information Services (Hagerman) 1 month surface; full data (Waz) 21595, 50 days w/full data. NO IRC (Coppola) 9630 in 14 days (Anderson)

CBC Northern Sce, 15190, regular Eskimo sculpture card in 19 days (Ilgenfritz)
CHNX, 6130, Halifax, N.S., blue/white card w/full data by air in 17 days. SASE sent. V/S: Louise Chaisson (Hagerman)

CFVP, Calgary, Alta., 6030, card w/pic of station (Matthews)

CFCX, Montréal, P.Q., 6005, 20 days after 2nd report (Stenson)

CFRX, 6070, full data card de Clive Eastwood (Stenson) color card of Toronto City Hall in 24 days (Patterson)

CKZN, St. Johns, Nfld., 6160, card and letter from John C. Postema for IRC (Matthews) 6160, 15 days w/regular CBC domestic card (Michalenka) 1 week for IRC, by card and letter (Hurst)

CHILE: Radio Presidente Balmaceda, 9590, card in 13 days airmail giving date only. 3 IRCs sent w/report in Spanish (Calkin) 550 days air for IRC; gives date only (Anderson)

CHINA: Radio Peking sent card, sked, letter and books/magazines in 2½ months seaimail for 15060. No QSL data, but stmt indicating station was heard. Returned 1 of 3 IRCs (Calkin)

COLOMBIA: La Voz de Caqueta, 5035, small pic card w/confirmation of reception typed on reverse, w/green, red and white pennant in 12 days air. Mint stamps sent. V/S: Ivan Escobar C. (Sparks)

La Voz de la Tolima, 6040, letter airmail in 2 months from Carlos J. Rojas Castro (Dexter)

Radio Colosal, 4945, letter in Spanish and pennant in 14 months by air. V/S: Rafael Navarro T., Gerente. Gave confirmation stmt (M.Kamp) 1 yr w/pennant and letter. Reported in Spanish w/mint stamps (Williamson) 1½ years (Sloan)

- CONGO (REP): Radio ORTF, Brazzaville, New Year's folder of station, w/full data of reception but no confirmation statement; in 47 days air w/sked for 15190. (Calkin) 3 months air, colorful card of African mask (Caldwell) 15190, folder card in 3 colors w/sked in 11 wks air. 2 IRCs (Hurst) 4800, usual map card after 10 wks air w/Xmas card + sked. IRC sent w/English report (Shepherd) 4800, 14 wks w/New Years QSL (Padula)
- COSTA RICA: Radio Reloj, 4697, letter in 1 month for English rpt w/3 IRCs. V/S: Virginia Barahona. Contained very general QSL statement only (Bemma) letter from Sistema Radio verifying my rpt of last Nov. on 4750 (1st), but stating stations as Radio Popular/4784 and Radio Reloj/6206 (Dunn) You heard Radio Popular? (GAC)
- CUBA: Radio Habana Cuba, 9525, long attractive multi-color drawing card w/full data in 4 months air w/sked. 3 IRCs. Bilingual: English and French (Calkin)
Voice of Vietnam program, 11760, card in 214 days/full data (Scoville)
- CZECHOSLOVAKIA: Radio Prague, 7345, card of snow covered Tatra Mountains by air in 4 wks (Banta) Lipna Dam and Tatra Mts in 2 months air. No IRCs (Waz) Peace Square card in 34 days air for 1-IRC. (Lechleiter) card of Ceske Budejovice for 9505 in 108 days. (Coppola) Zizka Square in 11800 and Hrad Castle card for 9575 in 1 month w/FDCs. (Anderson)
- DENMARK: Radio Denmark, 15165, black/white aerial tower card in 5 wks air w/personal note from Suzanne Jackson.
- DOMINICAN REPUBLIC: Radio Comercial, letter from Dr. Luis Cambero Gil, Secretario de Correspondencia del Exterior, 10 weeks for rpt in Spanish w/mint stamps (Williamson)
- ECUADOR: HCJB, 15115, great circle map card in 9 wks air, sked and religious tracts (Estand) 9745, card, letter, sked and pamphlets detailing work of HCJB in 3 months air (Caldwell) 17880, green card in 3½ months w/usual enclosures (Marshall) cards for 5960/9605/21460 in 1 month average airmail. IRC sent w/each rpt (Shepherd) 11755, 4 months seamail with brown/white tower card; full data data (Coppola) 4 months, cards (Padula) Radio Popular Independiente, 4807, letter, 3-D p/card, and Ecuadorian music LP by air and registered in 1 month from V/S: Mario S. Villavicencio Macias (Dexter) Canal Manabita, New Year's card by registered air (Sloan)
Radiodifusora Nacional del Ecuador, Quito, 4940, b/w photo card of young lady in front of equator monument. V/S: Lcdo Pedro Jae. Vilasco E., Director. 1 month time. (Fatterson)
- EL SALVADOR: Radio Nacional, QSL letter de Carlos Rene Rivera and war data paper for IRC in 67 days air (Marshall) letter in Spanish plus info on conflict w/Honduras in 17 weeks for 9555 after 2 f/ups. Rpted in Spanish w/3 IRCs. Also rcvd pennant (Shepherd)
- ETHIOPIA: EPLF, Addis Ababa, 15300, blue/white card, sked and personal letter of thanks from Head of Audience Relations office in 6 months seamail. 1-IRC (Lindley) 9600, card and sked after f/up in 11 months (Seth) blue/white card in 46 days (Marshall) 7 weeks plus sked for 15425. 1-IRC sent (Shepherd) 114 days seamail for 15400 (Coppola)
- ENGLAND: BBC, Thames card for 21455/17800 kHz; 5 weeks seamail; no details (Padula)
CBC relay, 6125, Bluenose card from CBC by air in 3 wks de Montreal (Padula)
- FIJI: Suva sent regular Suva street scene card for rpts on 5955 and 6005 in 1 week for 3 CRCs. Both frequencies logged from Nouméa (Shepherd) Lucky you! (GAC)
- FINLAND: FBC, Helsinki, gold map card for 15185 in 3½ months seamail w/sked; mint Finnish stamps sent (Calkin)
- G.D.R. RBI, 9730, 20th anniversary card in 13 wks for 3 IRCs. Beautiful w/coat of arms in gold on blue bkg; also book and thank-you card, sked and letter de Rudolph Friedel in NA Dept. By air (Michalenka) 66 days, 11890 (Scoville) 11840, 8 wks air (R. Fisher) Monument card in 7 wks for 21600 + info on DX Club; all by air (Shepherd) 62 days, w/antenna card for 17700 and special Anniversary card 13 days later (Steen)
- G.F.R. VOA, Munich, 6040, card in 5 days from Vivian Despot (Hagerman)
DW/Köln, blue map card and booklet on antennae, rpting etc. Says not to send tape unless prior arrangements made. 9735 kHz. 2½ months time (Sterling)

GREECE: Forces Broadcasting Station, Athens, 6045 kHz, sent letters and postcards from Colonel A. Kazos, plus flag and beautiful Greek urn as Christmas present. Also returned my tape with Greek music on it. 4 months seamail for mint stamps. Hrd while in Virginia not West Coast (Shaw)

GUATEMALA: TGNA, 5955, card and sked in 9 weeks. IRC (Seth) letter and card from V/S: Wayne Berger, w/large attractive pennant in blue/white/green/red and gold showing Quetzal, Indian in head dress etc. (Sloan)

GUYANA: R. Demerara, 3265, card only in 1 week air. IRCs (Stenson) 5980, card in 2 weeks. IRC (Seth)

HAITI: Radio Haiti, 6195, sked w/date written on it in 9 months on 2nd try (Seth)

HONDURAS: Radio America, 6050, letter in 1 month air for mint stamps from Rafael Silvio Peña, Gerente General (Sparks)

HUNGARY: Budapest, orange card w/general info and government bldg printed. No IRCs. 29 days in transit (Lechleiter)

INDIA: AIR Bombay, card by air of Red Fort in Delhi in 6 wks on 2nd attempt. 3 CRCs (Heggs)

AIR Delhi, Fort card in 41 days for 18820. No IRC (Steen) 18820? (GAC) 15235, full data Fort card in 3 months airmail. 3 IRCs sent (Calkin)

AIR Gauhati, 3375, card and letter in 46 days airmail for IRC. V/S: M. H. Karmarkar (Sparks)

INDONESIA: VOI/Djakarta, 6105, full data on usual card. No IRC (Steen)

IRAN: Teheran, 17735, card, sked, literature in 2 months air (Seth) 2 months registered from E. Golesorkhi w/2 booklets and sked. Took 2 previous attempts w/ IRCs + f/up(Heggs)

IRAQ: Radio Baghdad, 6095 sent yellow map card by air in 2½ months for 3 IRCs. No time shown; includes sked on card and station data. Colorful stamps (Calkin)

ISRAEL: Kol Israël, 9625, glossy antenna card w/full data for Sept. rpt. 14 wks (Banta) 9009, card in 1 month air for 3 IRCs (Shaw)

ITALY: RAI, regular card in 51 days for 15340. Rpted 15410 (Scoville) 11965, standard card in 12 weeks seamail; no IRCs (Padula)

JAPAN: NHK, Tokyo, color card of Kabuki dancers in 15 days air for 9505. No IRCs

(Parkinson) 17825, Fuji Sunset card in 2 wks air; no IRCs (Hurst) sent stamps album of FDCs. QSLs normally in 2 weeks (Sterling) Nice gift OM (GAC) 17825, 1 month air (Waz)

JOZ, card in 3 weeks (Sloan)

KOREA(REP): VOFK, Seoul sent very colorful Xmas card 7½ x 6" (Banta, Sterling) 15430, photo card of Mask dance, w/sked and rpt form in air 26 days. 3 IRCs (Marshall)

KOREA(PDRK): Beautiful 1970 13-page calendar. Most attractive (Calkin, Matthews)

KUWAIT: Radio Kuwait, 15345, regular card in 1 month air (Stenson) 15345, double folder card, stamps and map pics but little data; info on Kuwait/sked. 56 days air (Marshall)

LAOS: Vientiane, card in 9 weeks for 6130 kHz and signed by O. Souvannavong (Cabral) 6130, from Ouphet Souvannavong; 3 IRCs after 3 f/ups. (Shaw)

LATVIAN SSR: Radio Riga, 7140, 2 cards in 2 months by air for Swedish Home Service; QSL statement, time and date given. 2 IRCs (Henderson)

LIBERIA: ELWA, Monrovia, 15095, card depicting natives; 6 months seamail with religious enclosures. No IRCs (Waz)

LITHUANIA: Radio Vilnius, 15150, card in 2 months (Stenson)

LUXEMBOURG: Radio Luxembourg, 6090, shield tower card in 2 months. No IRC. (Martin)

MALAYSIA: Radio Malaysia, KL, w/usual card, but still no data other than veri stmt in 76 days for 9660. No IRC (Steen)

MOZAMBIQUE: Radio Clube de Moçambique, Lourenco Marques, picture card of building in 23 days giving frequency only (Martin)

MEXICO: Radio Mexico, 11718, sent 2 LPs on Presidents speeches, book in Spanish, but no QSL; 3½ months registered (Byers) packet of booklets, 2 LPs; no letter (Williamson) Records, magazines and letter in 5 weeks (Sterling) 3 LPs and letter from Dr. Jorge A. Lopez Reyes, Gerente General registered mail (R. Fisher) 3 records, booklets etc and letter saying thanks, but no QSL. Lists 11720/9535/6055 kHz (Smith) 3 LPs in Spanish registered; 40 days (Marshall) 45 days, no verie (Martin)

NETHERLANDS: Radio Nederland, 21570, 50th Anniversary card in 1 month (Martin) Commem card in 12 days for 6020, w/full data (Scoville) special 50th Anniversary card with pic of original xmtr; 5 weeks by air (Banta) 12 days for 11730 and printed antenna course (Lechleiter) 7205, air in 6 weeks. No IRCs (Padula) 23 days with pic of xmtr and man who designed/operated it. No IRCs sent (Coppola)

NEW BRITAIN: Radio Rabaul, VL9BR, QSL folder from John Waters in 10 weeks for tape; 2nd rpt and 2 IRCs (Williamson)

NEW GUINEA: Radio Wewak, VL9CD, folder from F. Griffiths, Station Manager for tape and 2 IRCs. 3 months (Williamson)

NEW ZEALAND: Radio New Zealand, 9540, attractive card w/full details in 2 months sea-mail for 3 CRCs. (Byers) 13 weeks for 9540 (Parkinson) 17770, 22 weeks for 2 IRCs (Hurst)

NIGERIA: Benin City, 4923, air letter from S. O.de Omosun for E-in-Chg. 1½ months time (Patterson)

NORWAY: Card for Tromso xmtr, 7210, in 14 days with beautiful "Winter in Norway" scene stating power is 100 kW, not WRTVH 10kW, sked 1100-1230 in Norwegian daily. Is this most northerly SWBC station? (Sizer) 7210 or 7240? (GAC)

PAKISTAN (E): Dacca, 15520, usual card and letter from A.H. Kaleem, Director Listeners Research in 4 months airmail with full data for 3 IRCs (Sizer)

PAKISTAN (W): Karachi, 17945, green/white card w/full data from A.H. Kaleem. 8 wks air (Banta) 2½ months; rpted by registered air w/2 IRCs to Rawalpindi (Martin) 40 days by seamount; no IRCs sent; full data card plus letter (Coppola) 15240, air in 10 weeks for 1-IRC (Padula) Is this Karachi Bob? (GAC)

PAPUA: Port Moresby, 11880, Department of Information and Extension Services, new station at Konedobu. Personal letter from J.A. Dekker, Acting Director, with prepared QSL card signed by I. Smeaton. One week, mint stamps sent. Reply airmail as is normal mode of mail sce between Port Moresby and Australia. (Padula) Excellent Bob!! (GAC)

VLK3, Port Moresby, usual ABC card and sked in 3 months for 1-IRC (Williamson)

PERU: Radio Loreto, OAX8E, 5050, letter and pic p/card in 5 months air for mint stamps V/S: Erico Ruiz Salas, Manager (Sparks) letter and card in 3 weeks (Dexter)

Radio Santa Rosa, letter in 6 weeks from Padre Francisco Villena, Director of Station and Deputy Director of the Convent of Santo Domingo. Reported in Spanish w/ mint stamps. Met him later while in Lima on vacation (Williamson)

Radio Victoria, 6020, air reply from Lima in 14 days for NASWA Spanish rpt. Sent glossy green/black card of radio towers. V/S: José Eduardo Vaero A., Director-Gerente. SASE (Sizer)

PHILIPPINES: FEBC, Manila, 11920, green card w/outlet indicated on front. 6 weeks by air for 2 IRCs (Hurst)

PBS, 6170 letter in 1 month from L.B. Quintos, Bc. Operations Manager (Dexter)

VOA, Tinang, 11805, card in 10 days (Hagerman) 15165, card in 5 days. No IRCs (Martin)

Radio Veritas sent abstract type card for 15170. IRCs returned plus a very polite letter from the C.E. who is eager for more reports (Shepherd)

SEARV, 15420, white card w/red letters (SEARV) and full data for 2 IRCs in 17 days (Steen)

POLAND: Radio Warsaw, 9655, new orange/blue map card in 5 wks air. No IRC (Estand) 1½ months air from K. Gocman w/all data. N° 2 in Map series (Heggs) 6035, 1 month (Padula)

PORTUGUESE GUINEA: Fissau, folding card in 16 days air for 5041 kHz. Date and frequency only given; for 3 IRCs (Poulis)

RHODESIA: RBC, 4828, Brown/blue/black antelope and studios card in 13 days air w/sked for mint stamps. Full data from V/S: E. Mackenzie (Hall)

RUMANIA: Radio Bucharest, card of Chalet w/sked, letter, contest data, rpt form and stickers by air in 3 months. IRCs sent (Calkin) 9570/11940, folk cards in 3 $\frac{1}{2}$, 3 and 2 months w/Listeners Club Diploma, calendars, rpt form and letter. No IRCs (Waz)

RUSSIAN S.F.S.R.: Radio Peace and Progress, small horizontal yellow/red card in 3 $\frac{1}{2}$ months seamail w/sked and New Year's card (Estand)

SABAH: Radio Sabah sent map card of federation; full data and letter from Peter Pragas, Controller of Radio. 4970 kHz; mint stamps sent. 2 weeks by air (Shepherd)

SAUDI ARABIA: Jeddah, 15150, card and letter in 5 weeks. No IRCs. Rpted in Arabic (Seth) plain card in 7 weeks air from V/S: Werner Storg (Smith) 3 IRCs and reply from Munich, GFR (R. Murphy) 2 months air (Waz)

SEYCHELLES: FEBA, Victoria, 15165/21635 kHz went white card w/blue printing from Brenda Bacon, QSL Secretary, w/form letter stating power as 2 kw. Rpted by tape airmail, but by PO error was forwarded seamail. 38 days (Hirst) Happened to me too Del (GAC)

SIERRA LEONE: Freetown, 3316, p/card view of Murraytown, w/full data and sked in 60 days air for 3 IRCs. V/S: F. Heard, Director General, Radio (Hall)

SINGAPORE: Radio Singapura, 5052, card in 63 days w/no data (Steen)

SOLOMON IS: SIBS, 3995, card and letter in 2 weeks from V/S: B.J. Whitehall. 3 IRCs. Full verie data (Shaw)

SOUTH AFRICA: Radio RSA sent usual card for 9525 in 2 months. (Anderson) 15220, card in 19 days (Banta) 9705, 5 wks (Parkinson) 9715, 16 days; no IRCs (Lechleiter)

SPAIN: RNE, 9760, antenna card in 3 months air w/pennant and sked (Waz)

SWEDEN: Sveriges Radio, 5990, Northern Lights card, very colorful, plus pennant in 14 days (Smith)

SWITZERLAND: Berne, 9720, b/w card of Cable car in 3 weeks air. No IRCs (Ponke)

TANZANIA: Radio Tanzania, 5985, nice yellow/brown drum card in 19 days by second class airmail for 3 IRCs. V/S: J.A.B. Denell, C.E. (Hagerman) 9530, 15 days air (Hall)

TOGO: Lomé, 5047, map/globe card in 279 days from taped original; 52 days from f/up in French (Hall)

TUNISIA: RTT, Tunis sent beautiful color card of Gabes oasis, with full data by air in 1 month for combined 11900/11970 kHz rpt. Rpted in French w/4 IRCs and local p/card. Very friendly card from Le Service des Relations Extérieures of the RTT (Calkin) 6195, nice color p/card in 26 days for 2 IRCs (Hagerman)

TURKEY: Radio Ankara, 15160, card w/full details in 5 $\frac{1}{2}$ months for 2 IRCs (Byers)

UGANDA: Radio Uganda, Kampala, 5026 kHz, vague airletter in 21 days for 3 IRCs, stating only "It sure sounds like us!" V/S: H.F. Humphreys, C.E. (Poulis) personal letter and full sked in 26 days air for 3 IRCs (Hall)

UKRAINE: Kiev, New Years cards w/Xmas scene (Caldwell, Calkin) 15260, 2 $\frac{1}{2}$ months. Where? (Stenson) ? (GAC) New Years card only (Sterling)

URUGUAY: Radio El Espectador, 11835, letter from Hector Amengual in 9 months after 1 f/up. 4 IRCs sent. Also sent pennant w/QSL (Shaw) 38 days air; cd w/towers (Sizer)

U.A.R.: Cairo sent usual card in 3 weeks for 7050 plus current sked and Xmas cards 1 IRC sent w/rpt and answer by air (Shepherd) 9475, 49 days; rcvd card in French (Martin) also "verie letter" acknowledging rpt but that's all; 9 months w/sked (Martin)

U.S.A.: VOA/Dixon, usual card from Washington in 3 months for 26095. IRC sent w/rpt and returned (Shepherd)

VOA/Bethany, 11830, card in 10 days from Vivian Despot (Hagerman)

AFRTS, 21500, full data card w/sked in 8 days by air. No IRCs (Coppola)

UZBEK S.S.R.: Tashkent, 11925, regular blue USSR map card in 57 days air. Mint Soviet stamps sent (Calkin)

VENEZUELA: La Voz de la Fé, 3375, letter in 2 weeks airmail from Omar Soto Lugo Fbro, Director (Dexter)

Radio Barquisimeto sent usual card in 3 weeks for 9506. IRC sent and rpted in Spanish using NASWA form. (R. Murphy)

Radio Juventud, 4900, Barquisimeto, sent Kids dancing card in 1 month with date and frequency only. Mint stamps sent, but others used. Rpted in Spanish. (Calkin)

Radio Libertador, letter from Dpto. Relaciones Publicas and magazine called "Miss" in 3 years! (Sloan)

Radio Rumbos, 4970, card in 6 weeks (Seth)

Radio Tropical, letter from Francisco Antonia Estrella (Sloan) 4870, letter from Sr. José A. Brito Bermudez who says they are interested in further reports in Spanish, English or Italian. (R. Fisher) long involved letter from Sr. Brito in 1 3/4 months (Patterson)

Radio Universo, 4880, white card, printed in blue and red w/Cadena Venezolana emblem. 1 1/2 months (Patterson)

VATICAN CITY: Two beautiful cards for 9615 and 15285, although latter heard on 1529 while in Europe. Since f/up sent from U.S.A., guess they didn't believe me? (Anderson) Odd, as 1529 also widely heard in USA. Have it verified here w/out problem (Calkin)

VIETNAM (N): Hanoi, paper QSL for 15020 in 3 1/2 months. Reported via Prague w/4 IRCs (Estand)

VIETNAM (S): VTVN, Saigon sent blue/black card w/"Radio VTVN" over a globe; full data for 11950 kHz. Also sent sked in 10 months; IRC w/original report (Padula)

WINDWARD IS: WIBS, 11970, 2nd card w/complete data after 6 unanswered rpts (Smith)

YUGOSLAVIA: Belgrade, 9620, QSL w/photo of Dukrovnik and sked in 1 month air w/full data (Kindley) photo of Budva & full data w/135 page booklet on "Facts About Yugoslavia" 8 weeks air (Banta) 2 months for 2 IRCs for 9620 (Martin)

Sincere thanks for the continued support of all of you for this section. Welcome too to a few new members who have contributed this month for the first time; to you all, keep those reports coming. NASWA and QSL REPORT needs you!

- | | | | |
|-------------------------|--------------------------|------------------------|--------------------|
| Richard Anderson, Ill. | Robert Hagerman, Mich. | Mrs. M. Marshall, N.D. | R. Shepherd, AUST. |
| John Banta, New York | Dr. F. Earle Hall, Mass. | Bill Martin, Delaware | Ed. Shaw, Calif. |
| Robert Byers, Ontario | R. S. Heggs, B. C. | Wm. Matthews, Ohio | Al Sizer, Conn. |
| Stanley Cabral, Calif. | Dan Henderson, Md. | Henry Michalenka, R.I. | Edwin Sloan, EIRE |
| Dr. Wm. Caldwell, Cal. | Del Hirst, Texas | Richard Murphy, Texas | Harry Smith, Ohio |
| Gregg A. Calkin, Ont. | James S. Hurst, Md. | Carroll Patterson, Ga. | Bill Sparks, Cal. |
| Angelo Coppola, ITALY | A.S. Ilgenfritz, Ohio | Andrew Pappas, Ill. | Paul Steen, GUAM |
| Gerry Dexter, Wisc. | Michael G. Kamp, Texas | John Parkinson, Alta. | K. Stenson, Vt. |
| David Dunn, Texas | Doug Lechleiter, Ken. | Ron J. Ponke, Mich. | W.W. Sterling, Pa. |
| Robert Estand, Texas | Kris Lemna, Indiana | Arthur Poulis, Mass. | Joe Waz, Conn. |
| Robert Fisher, Calif. | Daniel Lindley, S.C. | L. Scoville, N. Y. | Dr. Williamson, |
| Robert J. Padula, AUST. | Michael Seth, N.Y. | | (Ontario) |

NEWS

Don't forget that our tri-monthly SCOREBOARD will again be featured next month, where the spotlight will be on the continent ASIA. If you are not already contributing, why not begin this month?? Just sent in the number of Countries and Stations Heard and Verified, the number of Countries Heard and Verified in ASIA and the name and frequency of your best Asian verification. Then repeat every 3 months for each succeeding continent.

DON'T FORGET THIS ISSUE CONTAINS YOUR BOD BALLOT! EXERCISE YOUR RIGHT AND VOTE TODAY!!

THE QSL GALLERY

presents

RADIO JAMAICA

ZOI

KINGSTON -- JAMAICA

BRITISH WEST INDIES

4.95 M.C. -- 21.00 -- 22.30 GMT

3.48 M.C. -- 00.30 -- 03.00 GMT

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FEBA - Seychelles

CONFIRMING YOUR REPORT

on 15.165 MHz at 0120 hours, GMT

on October 19th 1969.

With thanks,

Bunda Bawa

QSL Secretary

Far East Broadcasting Ass'n
P. O. Box 234 Victoria,
Seychelles (via Mombasa Kenya)

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Our QSL out of the PAST comes from Don Jensen, who noted that when he logged them a few years ago, they had just ceased to use the ZOI call in favour of the newer (and typed in) Radio Jamaica call, still used by their MW outlets today. Our QSL from the PRESENT is the new FEBA/Seychelles card, testing at the time of your editor's reception with only 2 kW. And so...until March and another QSL REPORT, Best 73s es LX, GREGG.



LOG REPORT

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Deadline 15th of month
Phone 305-284-5714

When reporting, please use only one side of the paper, list items in order by frequency in either direction, double space between items on typed reports. Mail in time to reach here by the 15th of the month. Thanks. "A" = approximate frequency; T = tentative, "V" indicates frequency varies, U = unidentified. *0000 = s/on 0000; 0000* = 0000 s/off.

- 2340 CHINA Foochow, good 1500 w/Mao talk, 11. Dec(Cabral)
 2379 DOM REP A DR stn here 2330(Drehman)
 2420 PHILIPPINES DZHP, Manila, 4 Jan, 1232 w/Esso ad & ID for 1130 kHz only; pop mx & more ads during ½ hour. Also noted 1905 on 1130 only, 2420 joined by 1950. 2420 doesn't fit as a harmonic of 1130. (Hauser)
 2430 CHINA Fukien, good 1505 w/YL talking(Cabral)
 2474U Unid in Chinese 1326(Young) Hangchow? cf Dec 69 Log Report(DF)
 2510 S.KOREA Seoul, strong 1455 w/background mx, M & W talking(Cabral)
 3204 NIGERIA NBC, Ibadan, s/on 0430, Afr mx, ID, Eng mx 0500(Sparks)2250 Yoruba drum mx, talk, s/off 2300 (Hagerman)
 3218 MOZAMBIQUE RCM, good 0300 w/Port by YL, music(Cabral)
 3230 FIJI IS Suva, pop concert mx, BBC mx 0700(Sparks)nx 0711, RTTY on 3232(Young)
 3245 VENEZUELA Still unid stn w/Arab pgmg as early as 0030, usually 0200-27 on weekends, when Mars net off. "LV de Palestina" ID; Caracas, R. Nac. mentioned. If Libertador, never hrd ID; s/off 0400(Hirst)Eng 2243, into Sp 2304, missed ID,
 3265 GUYANA R.Demerera, mx & anmts 0225-0248(Stenson) (DF)
 3284 FIJI IS VRM9, 0650 Hindi mx & talks (Sparks)
 3300 BR.HONDURAS Belize, Eng 0230, good(Lemma)0300 BBC mx, lite mx ads(Eby, Stenson) Noted 0500 s/off w/prayer, anthem, 1 Jan. // 834 stronger(Calkin)
 3305 PAPUA R.Daru, weak 0930 in Pidgin(Lemma)
 3325 VENEZ R.Monagas, 0340 Sp mx, TCs, full ID 0355, anthem, off 0400(Williams)
 3326 NIGERIA North Reg. Svc, Kaduna, Eng mx; cmtry 2110, weak(Sizer)
 3330U Unid stn w/Oriental lang 1321(Young)
 3335 N.GUINEA R. Weak, pop American records, Pidgin (Sparks)
 3339 TANZANIA(Zanzibar) R.Tan, Zanzibar, s/on 0330 & into slow chant; lost 0340(DF)
 3346 ZAMBIA Lusaka, 0400 Eng mx & ID by YL(Spark)
 3348 DOM REP LV de la Romana, s/off 0223(Dexter)Mx & Sp 0400(Behr)3349, fiesta mx 0740, New Years Eve.(Sparks)Now up to 3350(Drehman)
 3350 GHANA Ejura, Afr lang; Eng mx 0700; poor(Williams)
 3355 N.CALEDONIA Noumea, man in Fr 0720; fair lvl, but QRN(Cabral)
 3358 GUATEMALA LV Nahualá, additional sked; ID 1200; s/off one day 1302; good sig(Hirst) TGVN, marimba mx, ID & 0320 s/off on 3359(Sparks)
 3365 DOM REP R.Exitos, Sp 0220(Lemma)ID 0332(Eby)Gone past few days(Drehman)
 3375 COLOMBIA R.Sutatenza, around 0125 w/IDs & mx, //5075 & 5095; very strong(DF)
 3378 INDIA AIR, Gauhati, 1505 Eng cmtry, Eng mx 1530(Sparks)
 3380 MALAWI R.Malawi, Saturday, 10 Jan, good from 2233-2311* w/Eng pops, mx(Hagerman)
 3380 GUATEMALA R.Chortis, LA mx after 1200 s/on; marimba mx(Sizer)
 3385 FR.GUIANA Cayenne, 0913 IS, s/on, pops to 0930(Billingsley)S/off weekdays 0105 (Hirst)Calypso mx past 0300 New Year's Eve(Sizer)0500* New Year's Eve(Sparks)
 3385 NEW BRITAIN R. Rabaul, pop US records & Pidgin 0830(Sparks)Eng mx, old US pops 1221(Hagerman)
 3395U Unid, African. Eng lang, mx, late New Years 0019; fade 0135A; Gwelo?(Hirst)
 3396 NIGERIA NBC, Kaduna, Eng mx 0600(Calkin)0432 s/on, native horn blasts, ID & chanting; relay Lagos news 0500 in English(Sparks)

- 3400 CHINA PLA, Fukien(list), weak in Chinese 1040(Sizer)
- 3925 PAPUA ABC, Port Moresby, 0940 fair to good under JOZ(Billingsley)
- 3935 INDONESIA(Java) RRI Semarang, Saturdays w/puppet-shadow plays 1830(Padula)
- 3971 CAMEROON R. Buea, news 0500, strong AR QRM(Lemna) What lang?(DF)
- 3986 NIGERIA NBC, Lagos, Eng mx 0600; ham QRM(Byers)
- 3995 ITALY RAI, among hams 2215 w/3rd pgm in Ital. Has never been reported in the two years I've been in NASWA. (Sizer)
- 4460 CHINA Peking(list), 1332 in lang w/march mx; fair(Murphy)
- 4485 RSFSR(As) Petropavlovsk-Kamchatski, 1211 Russian HS(Hagerman)
- 4635 TADZHIK SSR Dushanbe, 0150 tlk in lang to 0215 fade; fair to poor(Billingsley)
Mx 0002; M & W in lang 000 $\frac{1}{2}$; thru QRM; lost by 0030(Ferguson)
- 4650 ECUADOR Rdif del Ecuador, clear IDs 0500(Seth)
- 4671-2U Sp numbers by woman 0528; Sp numbers, man w/LA accent 0508 (Dexter)
- 4679 ECUADOR R.Nac.Espejo, IDs, local mx 0405(Ponke)0415(Seth)Easy ID 0430(Martin)
- 4690-4700 COSTA RICA R.Reloj2350 w/correct TC!(Michalenka)0430(Goss) Strong nightly w/many IDs, TCs(Murphy)ID 0700, //6056, 3 Jan(Behr)
- 4712T ECUADOR R. Luz y Vida, pips & TC 0600 by man in Sp(Lobdell)
- 4725 BURMA BBS, Pgm II, fair in lang 1150(Sizer)1216 na mx & talk(Hagerman)
- 4730 ECUADOR R. Nacional Progreso, Ec mx, excellent level 0530(Dexter)
- 4735A ECUADOR R. El Mundo, Guayaquil, 0305 "Musica Ecuatoriana"(Field)
- 4753 INDONESIA(C&M) RRI Makasar, Eng lesson 1225, ID 1229, chimes IS, Indonesian mx relay 123-(Hirst)
- 4755 BRAZIL R.Dif. do Maranhão, Sao Luiz, overpowering 2140 w/rel pgm(Sizer)
s/on Port 0800(Martin)
- 4755 COLOMBIA QSL card shows E.Nuevo Mundo, Caracol net, 1 kw. As far as I know is same stn which used to operate on 4795 when anncg as "R.Reloj"(Padula) One can probably verify half a dozen Caracol stations via this common fgy outlet(Wood) Will give local ID sometime & I think this is what I'm hearing(Hirst)
- 4765 CONGO - now People's Rep. - (Sizer)IS 0427, into French(Young)
- 4770 ECUADOR 0425 ID "R.Cenit" by YL, anmt by M., few bars of blues theme, and off 0432(Hirst)
- 4770 LIBERIA ELWA, Eng rel hymns 0630(R.Anderson)BEC Eng mx 0700(Byers, Martin)Eng rel 0725(Ponke)2305-2355* w/Eng rel pgms(Tuchscherer, Hagerman, Heggs)
- 4770 VENEZ R.Bolivar, ads, mx 0120, ID. SCDX says is R.Blacha or R. Blaca on this fgy(R.Anderson)Is Bolivar(DF)4773, 2243 w/Sp talk, Christmas jingles(Hagerman)
- 4790 VENEZ Ondas Portenas, clear ID 0112, after long search(Sizer)LA pgm 0200(Lemna)
- 4795 ANGOLA R. Comercial, 27 Dec, 2158 mx, talk, mx, ID 2200; 1 day only(Tuchscherer)
- 4795 CONGO REP Sked dated Dec 69 shows this fgy s/on 0500; also operates on 4800 at 1800-2040; 4800 is recently new(Padula) ORTF.
- 4800 INDIA AIR, Hyderabad, 1530 Eng news relay(Sparks)
- 4800 CONGO(Peoples Rep) ORTF, daily after 2030 w/Fr tlk, Afr mx(Sizer) 4803(Calkin) & 4802(Robbins) : Stn here 2158-2230 w/Afr Fr(Robbins) ORTF relay to 2115 s/off but no QTH given. In French. Congo relay?(Calkin) See 4795 above.(DF)
- 4805 BRAZIL R.Dif do Amazonas, ID 0402, Port; utility QRM(Williams)
- 4807 ECUADOR R.Pop. Independiente, Sp ID 0405, Ec mx; CW QRM on LSB(Williams)IDs & mx 0430(Eby)0500 past 0615 w/ID & TC after each selection(Field)0540(Dexter)
- 4810 VENEZ R. Popular, request pgm, giving phone # 0210(R.Anderson)Sp, mx; great sig(Michalenka)Excellent at closing 0400(Calkin)
- 4814 UPPER VOLTA Ouagadougou, abrupt s/off 2115(Michalonka)Fr mx 0630(Sparks, Anderson)Afr mx, Fr IDs 0645(Ponke)S/on 0600, must be more than 1 kw!(DF)
- 4815U Unusual language here 1433(Young)
- 4820 GAMBIA R. Gambia, 1940 to about 2030; utility QRM; was in Eng, so not Angola. On Christmas Eve. Easy to recognize music. (Hall)
- 4820 ANGOLA R. Angola, s/on 0500 (Lemna)
- 4820 RSFSR(As) Magadan, 0416-0425 t/o, Russian, classical mx; poor to fair(Williams)
- 4820 HONDURAS HRVC, Eng rel pgm 0300-0400(Weber, Eby, Byers, Sterling)
- 4822v ECUADOR Canal Manabita, well hrd after 0400(Seth)ID 0447, strong(Murphy)
- 4825 TURKMEN SSR Ashkabad(list), lang.0320. Russ 0400(Ferguson)

- 4825, PERU R. San Jose, 26 Dec, ID & s/off late Christmas bdcst at 0556. Hrd in 1968 on Christmas Eve also. Address is Iquitos, not Indiana, as mentioned one place in WRTH. Address confirmed in QSL last year(Field)
- 4828 RHODESIA RBC, s/on 0330 w/ID as Afr Svc in Eng; drum IS from 0326(Murphy)Eng mx 0400; ads, pops(Billingsley, Cabral, Lemna)ID for Com'l Svc. Possibly African skip is ready to show on the dials again. (Niblack)
- 4830 VENEZ LV de Tachira, ID 0120(Seth)"R. LV de Tachira" 0130(Field)
- 4834 MALI Bamako, "Ici R. Mali" 0600(Seth) Man in Fr 0705(Ferguson)
- 4835 ECUADOR LV de Valle, ID 0350(Seth)
- 4839 CONGO(DR) R. Bakavu, best in months on 5 Jan w/Fr & Vern. mx, local mx; etc., from 0428 tune past 0500(Calkin)
- 4843 CONGO REP This one is RTC, used to run //4765 & 6115(Padula)ID & s/on 0500(DF)
- 4845 BRAZIL R. Teresina, 0300 man talking; seldom hrd evenings here(Field)
- 4845 BOTSWANA Gaberones, good 0425(Cabral)Afr mx, few Eng words 0445(Ferguson)
- 4846 HONDURAS "LV de San Isidro" 0104; on 1 Jan at 0647 w/"R. San Isidro"(DF)25 Dec at 0545 w/"R. Isidro... cultural(Field)ID 0145, in QRM(R. Anderson)
- 4850 MAURITANIA Rdiff Nat., 0715 lang tlk; rare due RTTY(Billingsley)Excellent 2145 w/native music(Dexter)
- 4855 MOZAMBIQUE RCM, talk by YL 0435(Hagerman)0300 mx on 4865(Field)Not 4855?(DF)
- 4865 ECUADOR R. Cenit, mx, ads, occasional ID 0311 tune; not a regular(Dexter)
- 4865 AZORES Ponta Delgada, 2200-2305 s/off in Port(Martin)s/off 2306A after anmts in Port(Haines, Niblack)Mx, anthem & close 2302. QRM Brazil?(Robbins)Yes(DF)
- 4870 DAHOMEY Cotonou, s/on Fr 0515(Ponke)Fr & mx 0510(Cabral)Fr, Afr pops 2145(Eby)
- 4875 BRAZIL R. Jornal do Brasil, pop records, singing ID, 0500 s/off (Sparks)
- 4884 CLANDESTINE(E. Bar?) 0520 musical IS, numbers in Czech or Bulg.; off 0600 w/"Konets" twice - means "end"(Behr, Goss)
- 4889A BRAZIL?? 0827 LA mx, much talk, 2 IDs for Natal(Tuchscherer)
- 4890 VENEZ Rdif Ven., good 0305 w/Sp mx, ID 0305(Eby) (Eby)
- 4890 PAPUA ABC, Port Moresby, Eng mx; pgm 1200, good(Calkin)1335(R. Anderson)Off 1400
- 4895 BRAZIL R. Bare, 0437 on late w/Port celebrations, 1 Jan(Hagerman)
- 4895 RSFSR(As) Tyuman, Russ HS 1302, not //5015, 4990, etc(Hagerman)
- 4897 PERU R. Chanchamayo, from 0609 tune w/vocal mx & IDs; fair lvl(Dexter)
- 4900 GUINEA Conakry, 2058 folk tunes, Fr anmts(Lobdell)s/on 0458; //7125 better (Martin)Afr mx 0620(R. Anderson)Fr 0602, Afr mx, bird call(?) & ID 0629(Hirst)
- 4900 VENEZ R Juventud, excellent nightly 0300(Calkin)
- 4904 CHAD Fort Lamy, Fr ID 0600(Seth) Extended sked 31 Dec, 2300-2330; QSB & QRM; also het de HJAG, Colombia(Robbins)
- 4906 COLOMBIA Em. Atlantico, 1000 MV lvl at 0100 checks(Niblack)LA mx, IDs 0328 (Tuchscherer)0410-0430 mx, IDS, TCs(Field) off abruptly 0457(Robbins)
- 4910 DOM REP R. HIN, 2240 Sp mx, "Monte Carlo" ads(Hagerman)ID, mx 2100(DF)
- 4910 ECUADOR Em. Gran Col., 0445-0517 Ec mx, ads; ID: "Bailable Gran Col."(Patterson)
- 4912 GILBERT & ELLICE IS Tarawa, mx pgm 0700, Eng; radio play, pop mx; very poor. (Williams) 0900 talks & ads(Haines)Didn't know they had ads.(DF)
- 4915 GHANA Accra, Eng mx 0600(R. Anderson)0605 Eng & Vern mx & mx; no definite ID hrd, but mention Ghana(Patterson) Local mx 0713; fair sig(Billingsley)
- 4915 KENYA VoK, lang 0400(Lemna)Nx & local mx from 0400; fades as 0500 approaches. Is lang Somali or Swahili? Very good some nites(Calkin)nx 0403(Haines)
- 4916M COLOMBIA R. Guatapuri, exc 0100 w/ID; frequent IDs(Niblack)Strong 0415 ID(Seth)
- 4920 AUSTRALIA ABC, Brisbane, 0835 Eng sports(Rowell)0300 & 1330(R. Anderson)
- 4920U USSR Unid Russian outlet 0530; similar to NA Svc IS, but not same; Russ.(Dexter)
- 4930 ECUADOR R. Casa de la Cultura, nitely to 0430 s/off w/BBC transcription pgms (Calkin)Full ID 0116(Murphy) 2305 class. mx; ID 2314(Tuchscherer)
- 4932 NIGERIA Benin City, Eng 0500, "Com'l Svc"(Behr)Eng mx 0607(Dexter)0507(Anderson)
- 4932 INDONESIA RRI-Surakarta, ID 1501, fair(Murphy) Java.
- 4940 UKRAINIAN SSR "Govorit Kyiyiv" 0330 after Russ pgm(Sizer)
- 4940 IVORY COAST Abidjan, 0650 Fr songs & Afr mx; ID 0700(Tuchscherer)
- 4950 SENEGAL Dakar Fr 0609-0710, pop mx & mx(Patterson)ID 0630, better than 7210 (Seth)ID & local mx 0730(Billingsley, Cabral)Think Dakar to 0300*, 1 Jan, Fr(DF)

- 4950 MALAYSIA(Sarawak) RMS, 1310 Eng tlk by M, heavy het(Hirst)Eng 1400, mx: 1410 (Tuchscherer) good w/Beatle mx: 1535(Murphy)
- 4960 VENEZ R. Sucre, 21 Dec, 2230 rel bdest, Peking on 2300; 0330-0400 s/off, best ever hrd this stm(Field)
- 4965 COLOMBIA R. Santa Fé, 0130 w/repeated ID, Sp mx, mx(Eby)
- 4967.5U Stn s/off 2100 sharp. Kuwait? Zambia?(Hall)
- 4970 VENEZ R. Rumbos, 2230 sports(Stenson)Sp mx 0330(Eby)
- 4970 MALAYSIA(Sabah) RMS, EBC pgm "My Word" at 1330; good lvl(Sheperd)
- 4972 CAMEROON Yaounde, good to 2300 s/off w/Fr ID(Haines)
- 4975 COLOMBIA R.Internacional, Cucuta, 1129 IDs as "Rdif Cucuta"; then mx(Field)
- 4975 CHINA Chinese w/violent speech, //4990, 1353(Murphy)
- 4980 VENEZ Ecos del Torbas, Eng nitely 0507, asks for rpts; mention festival in Feb. Inviting listeners(Hirst) Mx 1120(R. Anderson)
- 4990 KAZAHK SSR Alma Ata, list, Russ HS, folk songs, no ID 1230, //5015(Hagerman)
- 4994 SUDAN Omdurman, exc in Abar as early as 2000(Calkin)2041(Lobdell)0431 Arab talk(Hagerman)
- 4995 PERU R. Andina, Sp 1000(Fisher)S/off anthem 0420, varies(Seth)Mx to 0455*(Behr)
- 5005 PERU R. Jaen, man talking 0608, ID 0635. off 0640(Field)
- 5010 DOM REP R. Cristal, good 0500 w/IDs, mx(Goss)
- 5010 CAMEROONS R. Garoua, fair w/native music 2155 (Dexter)
- 5012 RHODESIA RBC, 0401 Eng mx, mx 0415; weak; one nite only - 17 Dec(Tuchscherer)
- 5015 RSFSR(As) Vladivostok, ID 0701, fair; didn't know they were audible this time. (Murphy)
- 5015 GRENADA WBS, BBC mx 2300; cmtry, local mx(Marshall)
- 5020 COLOMBIA Tr. Caldas, ID, Sp tunes 0638(Lobdell)Sp 0930(Fisher)
- 5026 BOLIVIA R.La Cruz del Sur, organ mx, Sp 0245, off 0304 w/Eng(Hirst, Murphy) Hrd weakly mornings after 1000 in Indian dialect(Sizer)
- 5035 COLOMBIA LV del Caquetá, Florencia, 0611 man t'king, mx, to 0630(Field) 0600 fiesta mx, 1 Jan(Sparks)Around 0315 checks, local mx; heavy QRM(Niblack) S/off 0358 w/freq. armts & anthem. Caracol net. Not on every nite(Hirst)
- 5035 CENTRAL AFR REP Bangui, Fr ID 0630(Seth)
- 5035.5 PERU R. Ilo, IDs 0330, talks, Sp sings(Ferguson)
- 5040 HAITI R. Valparaiso, 2350 Fr talk by man, news(Hagerman)
- 5040 BURMA BBC, English 1529(Fisher)
- 5045 BRAZIL I visited R. Copacabana & can confirm that this is a relay by Radio Quitandinha. Copacabana is a tiny hectic stn on on 4975 & 680 w/1 kw. The pgm is relayed with the IDs, which is very irritating.(Williamson)ID for R. Copacabana 0100(Behr)Cmtry & concert mx; ID for Copacabana & 0327 s/off.(Sparks) Do they even s/off without R. Q. ID?(DF)
- 5047 TOGO Lomé, 2210-2230 t/o w/Afr mx, "soul" mx; also, 0530(R.Anderson)2245-2300 s/off in Fr; Afr mx, lite mx, Fr armts(Eby, Heggs)0613-0653 Fr, pops & mx(Patterson)
- 5050 PERU R. Loreto, pop mx & ID 0530(Sparks) Unid, Sp songs past 0630(Murphy)
- 5050 RSFSR(As) Pertrpavlovsk-Kam., Russ HS, songs, //5015, 4990(Hagerman)
- 5054 BRAZIL R. Vitoria, mx & Port ID to 0504 s/off, new time(Behr)
- 5055 SINGAPORE R. Singapura, back here w/ good sigs; Eng mx, ID 1535(Murphy)
- 5060U Unid, mx 0500 & 0700 in Port-sounding lang; Eur & orchestra mx from 0530. Hrd nitely, even when Afr skip is poor, so not Angolan. (Behr)
- 5065 USSR Petrozavodsk (list), Moscow Russ pgm 0400 past 0500; weak(Behr)
- 5070U Unid. Man in Sp, echo effect, as in church, 0017-0050 fade or off; RTTY strong, 20 Dec(Fri nite local)(Hirst). Checked this last nite, Fri; is same fellow talking away I have hrd for several months. No recognizable ID at 0130 when they used to ID as "Rdif Popol Vuh". The Popol Vuh is a Quiché sacred book.(DF)
- 5075 COLOMBIA R.Sutatenza, ACP, "Musica y Canciones" 0230(Calkin)IDs, mx 0002(Ponke)
- 5135U Russian at 1347(Young)
- 5180 PERU R. Atlantida, mx 0300; nitely(Seth)
- 5873 HONDURAS HRN Cadena Hondurena de Radiodifusion, Sp pol. tlk 0000; no mention of "Voz de Honduras". New ID? (Behr)
- 5880U Oriental language 0007(Young)
- 5920 RSFSR(Eur) Moscow(list), Eng to Ireland, UK; 2100 after Kiev pgm(Sizer)

- 5925 UZBEK SSR Tashkent, time pips 0200, M & W talk; fair(Cabral)
 5930 CZECH Prague, *0100-0155* Eng, folk mx//7345,9540,11990(Banta, Lindley)
 5935 NICARAGUA Rdif Nac., Sp ID 0010(Young) see 11875
 5954 ALBANIA Tirana, Ger 0500, Polish 0530, 3 Jan(Behr)
 5950 GUATEMALA TGNA, Sp 0200, 2 Jan; now back on 5955(Behr)
 5954 COSTA RICA TIQ, US pops 0530-0600(Marshall, Ponke, Goss) Sp IDs 0510(Anderson)
 5955 GUATEMALA TGNA, Eng 0300, good(Weber)
 5955 FRANCE ORTF, 2114 Fr Christmas carol "Il est ne, le Divin Enfant"(Hagerman)
 5955 E.GERMANY RBI, Eng to NA 0230(Elliott)
 5955 S.AFRICA R.So. Afr., mx & Eng anmts to 2208 s/off, 3 Jan(Behr)
 5960 ANGOLA A Voz de Angola, s/on 0500 w/IS, multi-IDs, nx in Port, mx(Goss, Anderson)
 5960 HONDURAS LV de Occidente, after 1145 s/on(Sizer)1200 Sp, mx, TCs(Patterson)
 5965 NICARAGUA Managua, Sp, Guy Lombardo mx, LA mx, 0430-0530(Marshall)Stn?Fqy?(DF)
 5970 CANADA CBC, Eng No. & Armed Forces Svcs, news 0600(Marshall)
 5970 N.VIETNAM Hanoi, 1330-1458*; fair but greatly weakened by s/off(Robbins)
 5980 RUMANIA Bucharest, German pgms 2200, new fqy(Behr)
 5980 EL SALVADOR YSS, Sp 0240 & 0330(Ponke,Caldwell)Eng 0300(Fisher)Eng anmts 0329,
 into Sp(Young)Usual Eng ID 0340(Seth)
 5980 GUYANA R. Demerara, Eng ads, anmts, Indian mx, 0930, good(Goss)
 5985 TANZANIA R.Tan., fair 0303-0340, Afr mx, Swahili ads; lotsa QRM(Robbins)
 5985 ARGENTINA R. Splendid, ID in Sp 0120(Young)
 5990 USSR Serpukhov list, good 1530-1545; Soviet HS IS 1530; cmtry, mx(Robbins)
 5990 SWEDEN RS, Sp 0000(Elliott)Eng 0030(Gaynor)Swedish mx, lottery mx(Hagerman)
 5990 ECUADOR LV de Manabi, Portoviejo, HC4FA, 1158-1215 man tlk; mention "R. Manabi";
 good level(Patterson)
 5995 E.GERMANY RBI, Eng mx to NA 0102(Gaynor)
 6000 BRAZIL R.Inconfidencia, Port ID 0300(Young)ID 0103(Ponke)ID & ads 0130(Lobdell)
 ID by gal 0100 in Port(Stenson) (Robbins)/
 6000 USSR Moscow list, 0500-0515, HS IS 0500 & into Russian; VOA-5995 splatter /
 6005 CANADA CFCX, 0245 mx & ads(Allen)
 6005 BOLIVIA R.Progreso, Sp 1000(Martin)Sp & ma 0230(Caldwell)
 6005 W.GERMANY RIAS, Munich, even w/CFCX 0500-0515 w/variety mx pgm in Ger(Robbins)
 6010 CANADA CJCX excellent 1105 (R.Anderson)
 6010 ENGLAND BBC relay CBC 2115-2130, fairly good(Robbins)
 6010 ITALY RAI, Italian 2330-0100, then Eng to NA(Elliott)
 6015 BRAZIL R.Clube Pernambuco, s/on Port 0800(Young)
 6020 MEXICO El Eco de Sotavento, 113901202 Sp, beautiful mx, many IDs(Patterson)
 6020 PERU R.Victoria, easily IDd w/Beethoven's 5th sgnture 1050(Sizer)1118-1133 Sp,
 TCs, ID:"R.Victoria de Peru en Lima"; fair - poor(Patterson)
 6025 PORTUGAL R.Port., 0200 Eng mx & pol. cmtry(Allen)S/off 0430(R.Anderson)
 6030 COLOMBIA R. Nacional, 0430 //4955 which is better(R.Anderson)
 6030 USSR Simferopol list, 0500(Dexter)0000 HS IS; hrd to 0030(Robbins)
 6030 CANADA CJCX, here in Eng 0900(Goss)
 6035 USSR Vladivostok list, Russ HS 2055-2115, Soviet anthem 2100. Could possibly
 be Soviet Far East as it's before sunrise there(Robbins)
 6035U UNID LA mx w/crowd noise; off abruptly 0505 in mid-song(Dexter)
 6035T MONACO Possibly R.Monte-Carlo, M. in Fr 0555, weak; VOA got 'em 0600(Hirst)
 6036 ?? R. Fre Thailand, clandestine, Thai songs & anmts, 1110. Hets USSR(Padula)
 6040 COLOMBIA LV de Tolima, ID, mx 0450(R.Anderson)
 6045 MEXICO R. Univ. Nac. Potosina, San Luiz Potosi, class. mx 0130(Caldwell)
 6045 PERU R. Santa Rosa, 0330 Sp & mx(Caldwell)
 6050 HONDURAS R.America, s/off 0500; mention R.Cadena Nacional.(R.Anderson)
 6055 AUSTRALIA RA, Darwin, Chinese 1330-1430*. Is 6005 in Nov correct?(Behr)No(DF)
 6035U UNID- weak in Eng 1957-2015 w/pop mx. No ads hrd. Not a harm. from a local;
 signal fairly steady(Robbins)
 6055 MEXICO R. Mexico, 0144-0215 giving 3 fqys at 0200 ID(Robbins)0150-0400 fair in
 Sp mx & IDs in Eng, Sp, //11718a(Heggs)0502-0600, XEWW ID 0530, mx(Williams)
 6055 COSTA RICA R. Reloj was back here for while, ID 1530; later back to 6007(DF)

- 6055 SWITZ SBC, Eng to Eur 2000, //9665(Tuchscherer)Eng 1930-2030(Marshall)
- 6060 USSR Chita listed, R.Moscow IS 1500 & into Oriental; fair to 1530(Robbins)
- 6065 COLOMBIA LV del Llano, Sp ID, nx 2330(Behr)ID & chimes 0300(Dexter)
- 6070 PHILIPPINES PBS, 0900 Eng ID, pop mx; Tagalog anmts(Sparks)Not 6170?(DF)
- 6075 USA WNYW, s/on to Eur 2230(R.Anderson)Market reports in Eng 2320(Scoville)
- 6075 COLOMBIA R. Sutatenza, several Sp IDs at 0130; QRM DW(Stenson)
- 6077 HONDURAS LV del Junco, Sp Christmas carols, ID 1428(Ferguson)
- 6081 PERU R. Nacional, ID 0430 in Sp(Young)
- 6085 W.GERMANY Bayerischer Runkfunk, light polka, ads, anmts, 053-0600. Ger nx 0600; signal weak, but splash moderate from 6080(Robbins)
- 6090 AUSTRALIA VLI6, Eng 1200(Fisher)
- 6090 MEXICO XECMT, 1319 Sp ID, Mex mx(Hagerman)1320Sp, ranchera mx, "XEm"(Patterson)
- 6090 ENGLAND BBC, London, Arab 0407(Hagerman) Arab 0420(R. Anderson)
- 6095 IRAQ Baghdad, distorted Eng 1935(Sterling) Out of order(DF)
- 6090 ARGENTINA R. Belgrano, 0300 Sp(Caldwell)
- 6090 NIGERIA RTV Kaduna, Afr mx 0612, then man w/Eng nx of civil war, het(Hirst)
- 6095 COLOMBIA LV del Centro, 1152-1210 Col. mx, TCs, ID; poor, het(Patterson)
- 6095 BRAZIL Rdif de São Paulo, good 2330 in Port(Eby)
- 6095 PERU R. Nac. Milochenta, Andean mx 0430; this is correct ID, MW outlet is 1080 (milochenta)(Behr)0330-0430 sports(Caldwell)
- 6095 IRAQ Baghdad, Eng mx, cmtry 1930(Eby)Eng 2000-2030(Stenson)Fr to Eur 2125-2155 s/off w/arthem; western pops & Arab mx, YL ancr, poor modulation(Elliott)
- 6097 SOMALI REP Mogadiscio, 0335 tune w/slow chant; DW QRM from 6100(Ferguson)
- 6100 YUGOSLAVIA Belgrade, Eng 2000 & 2200(Seth)Eng mx 2200(Field)
- 6105 PORTUGAL RFE, L1 - 250 kw, Polish 0415, //9705, L13 - 50 kw(R.Anderson)
- 6105 MEXICO R. Yucatan, good 2300 before DW s/on(Seth)Strong 0420, ID "MH", pops /
- 6105 PERU R. Nac. Tacna, 0030 Sp, Christmas mx(Caldwell) (Hirst)
- 6110 ENGLAND BBC, WS news 0400, poor(Oates)
- 6115 COLOMBIA "LV del Llano", 0020; Ondas del Meta not hrd(Seth)Date?See 6165(DF)
- 6115 MEXICO R.Univ. de Sonora, class. mx, ID & 0127 s/off(Sparks)Ger LL0116(Fisher)
- 6120 ARGENTINA R. El Mundo, ID 2340(Seth)
- 6130 GHANA R.Ghana, Eng to W.Afr 2130; good sig(Elliott)
- 6135 VATICAN VR, Sp 0030-0045 s/off, 6 Jan(Behr)
- 6135 POLAND Warsaw, Eng to Eur 1830-1900(Byers)0400 Polish HS s/on (Hagerman)
- 6140T BURUNDI Tentatively Bujumbura; best 0416-0431 when DW carrier off; Fr mx from 0418 nitely; mx of E.Afr & Mideast. Then Afr or Western mx. Nitely since 1st of year. Seems stronger than Bujumbura last summer, but understand they were to increase power to 25 kw from listed 10 kw.(Calkin)See next item. BBC on fqy a few minutes later, but no Fr listed for BBC at this time. I've noted some French here before 0400, boo(DF)
- 6140 ENGLAND BBC, Eur Svc, drum IS 0443, not Burundi. Jamming starts 0445; E by R 0530, unjammed(Hirst)
- 6144v BIAFRA V. of Biafra, Eng nx 0600, strong; listed 6141 in Nov. Error?(Behr) No, the fqy varied a bit at times(DF)0525 Eng comment, ID, native mx(Caldwell)0600 Eng nx(Scoville)Not captured by 11 Jan; strong 0606 past 0630 w/Afr mx, concert mx; anncd time in Biafran time & GMT, in Eng(Hirst)Eng nx & mx 0600-0640, 12 Jan(Marshall)
- 6150 NETH ANT TWR, Eng test 0525-0538, 7 Jan; heavy QRM; another poor fqy(Behr)
- 6155 COSTA RICA R.Atenea, 1150-1212 Sp, songs; no ID hrd, but many references to Costa Rica; fair(Patterson) Not 6150?(DF)
- 6155 JAPAN FEN, Eng 1204(Fisher)
- 6155 AUSTRIA Vienna, vx 0750(R.Anderson)Ger to Eur 0800(Marshall) Unable to hear them here or on 9770 the past few days(Drehman)
- 6155 IRAQ Baghdad, Arab chants 0355, het(Ferguson)
- 6160 CANADA CKZU, Vancouver, Eng 1621(Fisher)Eng nx, vx, mx 2200, 150 miles(Rowell)
- 6160 CANADA CKZN, St.Johns, Nfld., Eng DJ show 1230(Michalenka)fair 2236-2320 with forum-type CBC pgm; local ID for CBN-CKZN at 2320(Robbins)
- 6160 COLOMBIA Em.Nuevo Granada, Sp ID 0820(Young)good 1115(R.Anderson)

- 6165 ZAMBIA Lusaka, French 0816(Young) Late reception for Zambia(DF)
 6165 SWITZERLAND SBC, Eng to ANZ & Eur 0700-0735; mx, cmtry, mx(Marshall)
 6165T HONDURAS R. Televisión, Sp 1535, mention Tegucigalpa(Ferguson)
 6170 PHILIPPINES PBS, 1221 class mx; ID 1230; YV QRM(Robbins)Eng pops, PBS nx 1430-1500(Marshall)Full ID in Eng, anthem & 1502 s/off(Behr)
 6175 BRAZIL R. Guarani, good strength 0410(Anderson) Details, please(DF)
 6175 VATICAN VR, 0050 rel pgm, fqy not anncd(Tuchscherer) Is a test(Matthews)
 6180 GUATEMALA LV de Guatemala, Sp ID 0231(Young)
 6190 VATICAN VR, Eng rel mx 0050-0105(Marshall) Eng rel mx 0150, strong(Sizer)
 6193 COLOMBIA LV de Cali, drift, noticias 0600(Sparks)6194, ID 0601(Young)Good 0805, also at 1110(Anderson) Details, please(DF)Sp & mx 0600(Caldwell) (Field)
 6195 S.AFRICA Springbok Radio, ID 0300; ads in Eng; lost at 0500 when Tunis s/on
 6203 PERU R.La Voz de Huamanga; mx & Sp IDs 0400-0501 s/off anthem. Not sure of 1st word in ID, but sounds like Huamanga(Behr) 6200A, LA stn 0358 after Tirana s/off, ID 0400 & 0500, s/off 0502;"Musica ecuatoriana", "R.LV de..."(Field)
 6250 EQ.GUINEA(Fernando Poo) Santa Isabel, good 2030 to CW.QRM 2210(Martin)Details? (DF)Mx to 2304 s/off w/"Arriba la Republica de Guinea Equatorial", anthem(Behr)
 6251 PERU R. Cuzco, Sp nx 0315, strong, clear(Behr)In early, Sp ID 2325(Niblack)
 6250 N.KOREA Pyongyang making a seasonal appearance, best lvl 2230 in lang(Niblack)
 6330 ALBANIA Tirana, Eng 0330-0357, 8 Jan; next day back on 6200(Behr)
 6540 N.KOREA Pyongyang, Chinese 2200-2250, Korean pgm on 6600(Behr)Eng nx 0800(Heggs)
 6620 CHINA R. Peking, Sp 0000-0055, Asian lang on 6590, 5880(Behr)
 6955 Peking, listed, 132- w/fair sigs in lang(Murphy)
 7044M IRAN R. Iran, Balkan type mx, local mx, in lang; pops. 0315-0400 checks; very possibly ads; strong lvl(Niblack)They have a clear Persian ID 0330(DF)
 7050 EGYPT Cairo, Arab mx & vocals 0300(Ferguson)
 7065 ALBANIA Tirana, Eng 0630, very strong(Elliott) (Niblack)
 7100 HUNGARY Bidapest, great big lvl 2135 in Eng; sounds stronger than listed 1.5kw
 7100 USSR Moscow listed, 0340 songs & mx; IS 0359, Russ talks 0400(Ferguson)
 7105 ASCENSION IS BBC, Eng mx 0625(Rowell)
 7105 SYRIA Damascus, man in Arabic 0422(Young)
 7107 THAILAND Thai TV Radio, R&R mx. 1500 nx in Thai; Thai dance mx(Sparks)
 7113 PORTUGAL RFE, L-5, 100kw, 0515 New Year's Eve w/pops of last decade(Hagerman)
 7120U UNID, Russian w/10 note IS 0400(Young)
 7120 MALAYSIA BBC, Tebrau, Japanese 2200 under London & Moscow(Behr)
 7125 POLAND Warsaw, s/off Eng 2100(Byers) Eng nx 0700(Tuchscherer)
 7125 GUINEA Voix de la Rev., 0736 tlk in lang, good sig(Billingsley)
 7135 W.PAKISTAN Karachi, chanting 0136, Urdu(?) (Young)
 7140 LATVIAN SSR Riga, Moscow IS 0400, into Arabic(Young)
 7145 PHILIPPINES VOA Tinang, Indonesian 2230, strong(Behr)
 7145 POLAND Warsaw, IS 0559(Young) (Sparks)/
 7150 S.AFRICA Springbok Radio, 2100-2200 mx, Eng & Afr ads(Behr)Com'l Svc 0300, strong
 7150 UKRAINIAN SSR Lvov listed, R. Moscow 0500 w/Eng NA Svc(Hagerman)
 7150 ? D. Welle, Arab 2100, Ger 2130. Port relay?(Sorry, I lost the credit on this-DF)
 7165 LIBYA El Beida, Arabic singing 0400 on a Sunday when VOA off(Young)
 7170 N.Caledonia Noumea, 0720-0808 t/o, lite mx, old pops, Fr. tlk(Tuchscherer)
 7175T S.VIETNAM Quite sure is VTVN, Saigon, hrd occasionally 1100 in Viet, poor(Sizer)
 7185 USSR Blagoveschensk listed, FE svc w/oriental pgm 1229-1237, fair sig(Robbins)
 7185 ENGLAND BBC, WS opening 0358, fair(Oates)
 7195 RUMANIA Bucharest, German 1800, new sked(Behr)
 7200 SUDAN Omdurman, s/on 0400, into chant, over VOA(Robbins, Tuchscherer)
 7205T MOZAMBIQUE R. Pax, several nites, Afr & rel mx; rpt sent(Tuchscherer)No time given, but believe around 0445, right John? See Jan, thanks should have gone to John for pointing this one out last month.(DF)
 7205 AUSTRALIA RA, "Eight Bells" 0840 (Oates)
 7210 NORWAY Tromso tx, world's farthest north? Hrd w/church svc in Norw. Sun 1105. QSL says 1100-123- daily in Norweg. w/100 kw(Sizer)
 7210 RSFSR(As) Vladivostok list, HS IS 2200, BBC IS same time(Robbins)1205 Russ(Sizer)

- 7210 SENEGAL Dakar, pwrful 0556 IS, open 0600 w/anthem & Fr ID; pop mx; good sigs to 0630 tuneout(Robbins)Mx & Fr 0630, //4950(Behr)
- 7215 BRUNEI R.Brunei, lite mx, old favorites, ID 1429, local anthem, GSTQ, off 1432. Severe ham QRM from powerhouse on 7210 till 1400. Poor(Williams)
- 7225 RWANDA DW, Eng nx 0440(Tuchscherer)
- 7245 ANGOLA R. Angola, Afr mx 0506, //9535(Young)
- 7245 AUSTRIA Vienna, 0645 lite mx, multi-lingual IDs 0656(Tuchscherer)
- 7260 S.AFRICA SABC, IS 0430, into Afrikaans(Young)
- 7260 N.HEBRIDES Vila, 0030-0130 like a local in Noumea, in Fr & Eng; s/on 0030 w/ drums, Eng & Fr ID, fqy, time, into mx pgm(Padula, Sheperd)Was unable to find Solomon Is. on 7115, listed for 0100-0300; did hear it on 1030 MW(Sheperd)
- 7270 MOROCCO VOA, Tangier, Russ 2000, fair(Sizer)Eng 0715(Estand)
- 7270 INDONESIA(Java) RRI, Djakarta, 1125, weak in Indonesian talk(Sizer)
- 7275 CEYLON VOA, Colombo, IS, ID & into lang 0059(Ferguson)
- 7275 NIGERIA Lagos, good lvl 0545 IS & s/on(Robbins)0610 mx, cmtry, mx(Tuchscherer)
- 7290 ITALY Rome, 2105 w/ID in Italian(Niblack)
- 7291 ALBANIA Tirana, Albanian 0000-0055 s/off w/anthem, no ID hrd, but seems to be stn hrd on 7297, 7300, 7305. Fqy varies daily, pgm apparently extended(Behr) Eng by YL 0710, on 7295(Estand)
- 7295 S.AFRICA Springbok Radio, mx 0430 & 0630, ads, strong(Haines)
- 7301v BIAFRA R.Biafra, Eng 0445; mx, cmtry(Goss)7305, here past 0600, USSR on 7307 at 0515. Afr highlife mx, 11 Jan(Hirst)7307, 13 Dec at 2100(Niblack) NO MORE Radio Biafra. One assumes, however, that the transmitters were taken undamaged, and it would seem natural that the Nigerians will put them back on the air(DF)
- 7330 BYELORUSSIAN SSR Minsk, listed, Eng to WCNA 0100, pwrful(Sizer)
- 7335 CHINA Peking, Chinese 1332 under CHU(Hagerman)
- 7345 CZECH Prague, Eng to NA 0100-0200(Gaynor, Marshall, Elliott)Eng 0315(Murphy)
- 7380 USSR R. Magadan, Russian news 1900, 20 Dec(Behr)
- 7440 USSR Moscow list, 1331 some kind of wierd IS I've never hrd before, under KDD, Tokyo ptp stn on 7440 same time(Hagerman)
- 7480 CHINA Peking, 1327 fair in lang(Murphy)
- 7500 AUSTRALIA VNG, time stn 1325(Hagerman)
- 7500 CHINA Peking, 1326 under VNG w/chinese songs(Hagerman)
- 9250 KAZAKH SSR Alma Ata, 0130-0300 checks, when in lang & local mx(Niblack)Kazakh pgm 0300, Russian on 9380, 10530(Behr)
- 9360 SPAIN RNE, 0445 Sp talk(Hagerman)
- 9365 CHINA Peking, s/on Russian 1900; flutter; past 2000(Elliott)
- 9375 RSFSR(As) Khabarovsk, 0440 lang(Hagerman)
- 9410 ENGLAND BBC, WS "Outlook, 1930(Oates)
- 9470 RSFSR(Eur) R. Paz y Progreso in Sp 0400, Moscow listed(Hagerman)
- 9470 USSR Quechua 2130, Port 2200, Sp 2300(Behr)
- 9475 EGYPT Cairo, s/off Arab 2350, good(Rowell) (Robbins)
- 9480 USSR Komsomolsk list, 0230-0330 w/Moscow Sp; Kiev pgm in Ukr 0330, Sp 0400
- 9480 CHINA Peking, weak in Eng 1334(Murphy)
- 9490 USSR Baku list, hrd 0300 w/Moscow HS to 0330; fair, but RTTY & ATT voice circuits(Robbins) RP&P Eng 0015(Sterling)
- 9492 ALBANIA Tirana, Sp 1600, Fr on 9498 same time. Fr 2100 on 9485, 9495, 9500, varying(Behr)
- 9500 ALBANIA Eng 2030, 0300 s/on "Huna Tirana"(R.ANDERSON) Port 2130, Peking Prt 2200(Behr)
- 9500A PAKISTAN R.Pak., Eng to UK 1945-2030, mx 2000(Byers)List 9645, 11762(DF)
- 9505 VENEZ R.Barquisimeto, Sp ID, mx 2200(Behr)ID 2324(Murphy)Mx & IDs 0030(Field)
- 9505 PORTUGAL RFE, L-11+12=50+50=100kw, 0358 s/on Bulgarian(Hagerman)
- 9505 SUDAN Omdurman, Arab 1900-2200 s/off since 20 Dec. Most pwrful stn in band(Robbins)
- 9509T SUDAN Omdurman?, Arabic talks & chanting 0335, 11 Jan, severe het(Iobdell)
- 9510 RUMANIA Bucharest, 0430 fair w/Eng Science pgm(Heggs)
- 9510 AFGHANISTAN Kabul, German 1730, Eng 1800, since 31 Dec(Behr)
- 9510 ASC. IS. BBC, Eng 2200 past 2345(Estand, Oates, Fisher, Gaynor)

- 9515 TURKEY Ankara, Turkish ID, s/off w/anthem 2055(Seth)
 9515 MEXICO XEWW, excellent 2320 w/ad for TV repair svc & ID(Murphy)
 9520 PAPUA VLT9, Port Moresby, s/off Eng 0715, fair(Goss)
 9525 ECUADOR HCJB, Ukrainian 0430, Russ 0500, QRM RHC & RSA(Behr)
 9530 INDIA Calcutta, list, Eng nx 0110-115 s/off(Behr)
 9534 MEXICO. Yes, my report for 9434 should have read 9534(Niblack)
 9535 ANGOLA R. Angola, s/on 0500(R.Anderson)IS, s/on 0500, //7245(Young)See Jan, this should read R. Angola, not A Voz de Angola(DF)
 9540 RSFSR(As) R. Moscow, s/on oriental lang 2230, //11870(R.anderson)
 9545 GHANA R. Ghana, fair w/Eng pgm to Eur 2130-22--(Heggs)
 9550 BULGARIA Sofia, Greek 0430-0500 s/off, new fqy(Behr)
 9560 AUSTRALIA RA, "Eight Bells" 0845(Oates)Eng to UK 0645-0745(Byers)
 9560 JAPAN NHK, 1600-1615 Eng nx, cmtry(Byers)
 9560 JORDAN Amman, Arabic mx 1500(Seth)
 9570 AUSTRALIA RA, Eng to Asia 0930-1500(Byers)
 9570 NIGERIA RTV Kaduna, Afr chants, Eng ads, around 0650(Padula)
 9570 QATAR R.Qatar, Arab chants 1830-1916 s/off w/march, 22 Dec(Behr)
 9570U Not sure if Kuwait or Qatar is the one hrd 0359 under RNE & also 0528 under what I think was RTV Kaduna. Kuwait used to operate here, do they still?(DF)
 9575 ITALY RAI, 0100 Eng, Italian 0120(Caldwell)
 9575 CZECH Prague, Eng to Pac 0700, //9505(Behr)
 9580 AUSTRALIA RA, mailbag 1130(Oates)
 9580 PHILIPPINES VOA (250kw, Tinang-DF) Breakfast show 2200, strong(Behr)
 9585 MONACO TWR, 1700 s/on Eng ID, Norwegian pgm, poor(Scoville)
 9590U Asian lang 2230, Chinese 2245-2316*, varies to 2320.Strong since 14 Dec. Sounds like Peking, but time is irregular(Behr)
 9590 CHILE R.Presidente Balmaceda, 5 Jan relaying emergency nx from R.El Mundo to the Mendoza disaster area. Also had direct phone calls to the one or two phones still left in the Mendoza area after the dam broke(Calkin)
 9595 SWITZ SBC, Fr 1800, Ger 1815, //9535(Behr)
 9596 TUNISIA RTVT, Arab 0530 past 0700, strong & //11900; also 1930-2200 on 9596 (Behr) Stronger than RFE at 0700 in Arabiv, //11900(Padula)
 9600 ENGLAND BBC Eur Svc, Eng 1930-2000, then Russian(Marshall)
 9600 UZBEK SSR Tashkent, Eng nx, comment 1200-1230(Marshall, Sterling)
 9605 CZECH Prague, Eng 1730, //7345, 11990(Behr)
 9610 NORWAY R.Norway, s/on 0300 w/Nor. vx, Eng ID(Heggs)
 9610 RSFSR(Eur) R.Moscow 0400//others(Anderson)
 9610 AUSTRALIA ABC, Perth, Eng 1045-1600*(Anderson, Byers, Sterling, Oates, Fisher)
 9614 EGYPT Cairo, new Russ pgm 1715-1754*, may start earlier; "Govorit Ka-er"(Behr)
 9615 MOROCCO Rabat good w/Fr classical mx pgm until 2230 s/off(Calkin)
 9620 YUGOSLAVIA Belgrade, Russ 1700-1730, then Arabic(Byers)
 9625 ISRAEL Kol Israel, Eng now 2045-2130(Heggs, Anderson, Byers, Banta)
 9625 CANADA CBC, Eng 2300-2330(Ilgenfritz, Burke, Gaynor)
 9630 VATICAN VR, s/on 1820 in unknown lang, fair(Rowell)
 9645 NORWAY R.Norway, 0230 w/Eng travel pgm(Ponke)
 9645 COSTA RICA TIFC, Eng 0420(Goss)
 9650 GUINEA Conakry, Fr, Afr mx 2300(Seth)
 9660 ANGOLA A Voz de Angola, ending Afr mx pgm w/full ID in Port 0630(Calkin)
 9665 SWITZ SBC, Eng to UK & Ireland 1930(Byers)
 9665 MALAYSIA R. Malaysia, ex-9660, Eng ID by lady 1245 during Eng svc(Padula)
 9670 SYRIA Damascus, Fr to 2030, then Eng(Calkin)Eng nx & records 2030(Tuchscherer)
 9675U UNID, s/on 0245 & off 0300, violin ID, think Arabic lang; Arab mx just after opening ID, then mx. Kuwait, possibly??(Heggs) (Elliott),
 9690 ARGENTINA RAE, 0230 Sp(Caldwell)End Eng 0400(Anderson, Seth)Eng to NA 0600/
 9690 CHILE La Cooperativa, good 1000 w/3p IDs & mx(Martin, Oates)
 9695 CAMBODIA Pnomh-Penh, 1010 talk in Oriental lang, presumed Cambodian, native mx 1-13; not often hrd, jamming absent this day; seems different sked(Padula)

- 9700 BULGARIA Sofia, lang 2330, Eng 0000(Caldwell)Eng to NA 0003(Gaynor)0415(Jones)
- 9702T EGYPT Believe Cairo is the one here from 0545 in lang(possibly Arabic); eight strikes on bell 0600, into chant, then off abruptly(Ferguson)
- 9710 ARGENTINA R. El Mundo, 0400 Sp & Eng IDs, then mx(Martin)Sp, Eng, Fr IDs & mx 0430 past 0600(Behr)YL anc 0445, in Eng, asking for comments & suggestions on pgms & giving R.El Mundo address; calls LR1 & LRX in Sp & Eng(Robbins)
- 9715 CYPRUS CBC, Nicosia, Greek mx & pgm 2000-2100 s/off, Eng IDs 2030 & 2100(Behr)
- 9725 ETHIOPIA ETLF, 0400-0420 ending Eng. QRM de Sp stn which abruptly s/off 0415 with no ID hrd. Who?(Field)
- 9735 JAPAN NHK, Russian 1930, in QRM(Behr)
- 9735 RWANDA DW, Kigali, s/on Kiswahili 1515(Anderson)
- 9745 BRAZIL R. Cultura, LA mx 0834(Young)
- 9750 CHILE R. Minería, exc 1000 w/Sp noticias till 1020(Martin)
- 9755U UNID around 0150-0155, Eng, very poor. Ideas?(Allen)
- 9760 SPAIN RNE, strong in Eng to NA 0300-0345(Elliott)
- 9765 SPAIN RNE, 0200 s/on Eng to NA(Heggs) Not 9760?(DF)
- 9825 USSR QTH? 1515 in lang, good (Murphy)
- 9830 USSR QTH? 0248 lang, strong(Murphy)
- 9840 AZERBAIJAN SSR Baku, 10 note IS 0350, time pips 0400(Young)
- 9915 ENGLAND BBC, London, Somali 1800, fair(Ferguson)
- 9915 RYUKYU IS WUNC, fair in Korean 1606(Murphy)
- 9945U UNID 1325 in lang, strong(Murphy) Maybe China? See below.
- 9945 CHINA Peking, Russian 1045, fair(Sizer)
- 9976 CLANDESTINE Yemeni Royalist Radio, Arabic talks from 0508 tune(Ferguson)
- 10040 N.VIETNAM Hanoi, Eng 1530, from 4 Jan(Fisher)
- 10530 KAZAKH SSR Alma Ata, big lvl at 0000 s/on, preceded by chimes IS(Niblack)
- 11505 CHINA Peking, Chinese 0000(Seth)
- 11650 E.PAKISTAN Dacca, 1725 local mx to s/off 1730, good sig, but RTTY(Billingsley)
- 11700 E.GERMANY RBI, recent new fqy, Arabic talk 1940(Padula)
- 11705 W.PAKISTAN Islamabad, IS here 0128, into Urdu, //15380(Young)
- 11710 ARGENTINA RAE, strong in Eng 2325(Calkin)
- 11710 INDONESIA(Java) RRI, Djakarta, ex-11715, Eng to Eur 1915(Padula)
- 11720 VATICAN VR, 1805 w/"White Ruth" s/on. Is this Byelorussian?(Hagerman)
- 11725 VATICAN VR, 0110 IS, into Fr, excellent(Eby)
- 11730 NETH ANT R.Ned., Eng to NA 0500-0520(Jones, Mitchell, Oates)
- 11735 MOROCCO(Tangier) R.Dif.Marocaine, 1840 Fr, pops; this is definite, got an ID, tho Eng at 1800?(Hagerman) Tx located in Tangier. (DF)
- 11745 W.PAKISTAN Karachi, mx 0300(Seth) What kind?(DF)
- 11745 EGYPT Cairo, Arab & Fr 0100-0245, new fqy(Behr, Niblack)
- 11754 ARGENTINA LRX, R.El Mundo(listed) w/IDs also for R. Splendid & R.Belgrano; also IDing as "Servicio Internacional de Emisoras Comerciales Argentina", is similar to the name of the BCST authority, perhaps a combined international outlet for all three?(Dexter)Nitely w/Sp mx pgm 0200, strong(Calkin)0045 Arg. mx & Sp IDs (as above-DF); via R.El Mundo 25 m, R. Belgrano 31 m(Behr)
- 11758U UNID w/very exotic Afr or Oriental mx 2030 past 2100, 29 Dec only; a few anmts, possibly French. Chad?(Behr)
- 11780 ARGENTINA R. Belgrano, "Noticias Belgrano" 0200(Lobdell)RAE Eng 0320(Anderson)
- 11780 ECUADOR HCJB, Russian 0430, new fqy, potent sig(Padula)
- 11780 N.ZEALAND RNZ, 0600(Weber) Nx 0800(Oates)
- 11795 W.GERMANY DW, Eng 1900(Fisher)
- 11795 BRAZIL R. Nacional,Rio, mx 2330, ID 2345 in Port(Eby)
- 11795 LIBYA Tripoli, Arabic 1500, definite ID(Seth)
- 11796 CEYLON R.Ceylon, Hindi pgm 0130; varies daily, 11800, 11802(Behr)
- 11800 CEYLON R.Ceylon, 1522 Hindi ID, Hindi mx(Murphy)Eng ID 1700(Seth)
- 11805 BRAZIL R. Globo, 2350 Port talk, comedy pgm(Eby)
- 11810 INDIA AIR, Eng mx 0100-0115(Marshall)
- 11815 USSR Novosibirsk, Moscow IS 0300, not //11740(Young)
- 11820 NETH ANT TWR, 0330 multi lang pgm(Caldwell)

- 11835 URUGUAY El Espectador, ID 2300(Seth) ID 2326(Young) (Williams) /
 11835 SUDAN Omdurman, Arabic 1900-2200, //9505(Behr) Arab mx 1930, ment. Sudan
 11835 HAITI R. 4VEH, 2200 s/on Sp; "Panorama Dominicana"(Eby)
 11845 CYPRUS BBC, news 0300(Byers)
 11840 AUSTRALIA RA, Eng to Pacific 1825-1900 t/o(Williams) Out of order-DF
 11850 GHANA Accra, Eng 2000-2100(Banta, Rowell, Goss, Heggs)
 11830 OKINAWA VOA at brilliant lvl2300 open w/Eng ID, lang(Niblack)Out of order-DF
 11850 MALAYSIA BBC, Tebrau, well hrd w/IS & s/on 0000, //17880 also well hrd, but
 anncd 9570 not hrd(Niblack)R. Newsreel 0000(Eby)
 11850 INDIA AIR, home news in Eng 1230, local lang 1235; new fqy this svc(Padula)
 11855 INDIA AIR, Eng mx 1700, lang mx 1705(Eby)
 11855 SAUDI ARABIA SAB, Eng 1600-2000, then Fr(Robbins, Scoville, Gaynor, Caldwell,
 Pomke, Mitchell, Heggs, Banta, Seth, Billingsley, Byers)
 11855 ETHIOPIA ETLF, from 0250 w/light mx, multi-lingual anmts, IS 0258 & into Fr
 (Niblack, Young)Fr 0305-0330; mx of the Congo; Eng IDs 0327 & 0329(Williams)
 11866 CONGO(DR) Lubumbashi, 1825 w/"A Voz de Angola Livre"(Martin)1900-1935 in Fr;
 Afr mx; used to have Eng this time(Heggs)1908-1915 Eng w/local mx(Williams)
 On late 31 Dec, Afr tunes 2120, Fr anmts(Padula)
 11875 S.AFRICA R.RSA, 2330-0320//9705, 15220. 9715 has been dropped, they request
 listeners to advise clear channel(Anderson)But 9715 still hrd & anncd here-DF)
 0100 to NA(Oates)1958-2010 multi-lingual ID, Ger mx(Williams)
 11875 NICARAGUA Rdif Nac., Sp 1305(Hagerman)Sp 2230, Eng LL 2300(Behr)
 11875 ITALY RAI, Rome, Arabic pgm 1750(Behr)
 11880 MEXICO La RH de Mexico (XERR), usual Mex mx & talk 1312(Hagerman)
 11890 ETHIOPIA ETLF, IS, Eng mx 0530, excellent(Niblack, Goss)
 11894U UNID LA stn here 0136 w/classical mx. Argentina?(Young)
 11905 RSFSR(As) Irkutsk, 2345-0000 w/HS pgm. 6 pips 0000 & HS IS(Robbins)
 11910 ETHIOPIA ETLF 1930-2005, exc. They might have been the one w/Christmas-style
 IS at 1804, sounded like "Joy to the World"; open 1813, but severe QRM(Robbins)
 11915 LIBERIA VOA, Mva, s/off w/local ID 0500, exc.(Goss) Unlist this time(DF)
 11920 IVORY COAST Abidjan, Fr mx 0600(Goss)0605 Fr, //4940(Ponke)0647-0710 Fr &
 Vern., mx, ID(Patterson)Fr pops 1730, "Ici Abidjan" 1800, good(Billingsley)
 Fr talk, Afr mx 1911(Hagerman)Fr, Afr mx 2200-0000(Rowell)
 11925 UZBEK SSR Tashkent, Eng mx 1405, fair copy(Anderson)
 11925 BRAZIL R.Bandierantes, Port & mx 0145(Caldwell)
 11925 ASCENSION IS BBC, Fr to Afr 0430-0500(Marshall)
 11949 S.VIETNAM VTVN, Saigon, Viet pgm to 1603 s/off(Behr)
 11949 PARAGUAY R.Encarnacion, Sp 0100, QRM Canada(Seth)
 11950 LIBERIA ELWA, Eng mx 0600(Weber) Eng 0620(Ponke)
 11950 USSR Kharkov list, Moscow IS 1200; lang not identified; past 1230(Robbins)
 11953 SAUDI ARABIA Riyadh, 1830 Arab mx(Seth)
 11970 NEPAL R.Nepal, s/on 0120 after IS; local mx, Nepalese talk(Robbins, Behr,
 Billingsley, Martin, Young)0216-0300 t/o w/exotic mx, YL ancr 0245, possibly
 Eng at 0300, but jammer took over fqy(Williams)
 11970 LEBANON Arabiv pgm to 2000, then Fr, inaudible in Australia(Sheperd-Noumea)
 11975 GRENADA WIBS, 0200 Eng mx, banana receiving notices(Heggs)
 11995 CHINA Peking now here, new svc in Vietnamese at 2000, //15050(Padula)
 12010U CHINA?? 1343 in Chinese; poor under CW QRM(Murphy)
 12040 USSR Moscow listed, 0244 Russian, good(Murphy)
 12045U UNID. Someone here 1347 w/pop mx, no anmts(Murphy)
 12050U UNID here 1347 w/speech by man, fair(Murphy)
 12095 ENGLAND BBC, Eng drama 1155, strong(Sizer)
 13250A CLANDESTINE R.Euzkadi, 2030 multi-lang s/on, tx trouble, jamming(Michalenka)
 13300 CLANDESTINE R.Euzkadi, Sp & Basque to 2300, //15060(Behr)
 15040 CLANDESTINE R.Euzkadi, s/on 2030(R.Anderson)
 15040 IRAN Teheran, Persian mx & pgm 1500-1725; new fqy(Behr)
 15050 CLANDESTINE R. Euzkadi, 1933 Spanish; poor(Banta)
 15055 EGYPT Cairo, open 1515 to close 1700, Arabic pgmg, fair(Robbins)

- 15060 CLANDESTINE R.Euzkadi, 1527-1542 when jumped to 15038. This one booming in when most of Europe is out. Coastal South Am QTH?(Robbins)Venezuela(DF)
- 15080 CHINA Peking, s/on Indonesian 2330(Elliott)
- 15083 CLANDESTINE R.Euzkadi, Sp 1930-2005, //13270, 1 Jan, 1 hour early(Behr) Have another tx during winter period, begins 1930, as per announcement, wish they would verify!(Anderson)
- 15105 ENGLAND BBC, s/on Burmese 1345(Anderson)
- 15110 MEXICO XERR, Mex mx 1400(Ducharme)Sp 1729(Banta)Sp & mx 2000 past 2100(Caldwell)
- 15115 ECUADOR HCJB, 0105 Eng rel pgm; also, news(Allen)
- 15115 PORTUGAL RFE, L-4, 250kw, Bulgarian ID 1830, some pops(Williams)
- 15130 USSR Riazan list, 1930-2100 lang, Eng to Eur 2030(Robbins)
- 15134 IRAN R. Iran, Eng to 2025, IS, then s/on lang 2030, good(Billingsley)
- 15138 GRENADA WIBS, s/on 1545, till 1745, //15116 at 1945-2130(Robbins)15139, Eng ID & mx 2100(Behr)15140, 2325-2355 w/pops, TCs, etc; new fqy(Niblack)
- 15145 BRAZIL R.Jornal do Comercio, pops, IDs 0030(Sparks)2030(Caldwell)1935(Anderson)
- 15160 ECUADOR HCJB, Eng 0145, //15110(Rowell)
- 15160 AUSTRALIA RA, Eng to Pac 2000(Rowell)2040-2100(Robbins)
- 15165 DENMARK RD, Danish 1730(Fisher)Eng 1300 & 1515(Anderson)Danish 1830-1905 Marshall)Eng 1250(Gaynor)Eng 1445-1515 to SEA, off 1520(Robbins) No more Eng since 1 Jan(DF)
- 15165 PHILIPPINES VOA. QSL states QTH is Tinang(Field)
- 15165 BRAZIL R. Fortalenza, Port ID 0128(Young)
- 15175 USSR Lvov listed, Asiatic lang 1425-1500 s/off; fair lvl(Robbins)
- 15180 ENGLAND BBC, relay CBC Czech pgm 1445, good(Robbins)
- 15185 FRANCE ORTF, Eng mx 1930, good(Eby)
- 15190 CANADA CBC, No. Svc., 2230-2245 Eng(Marshall) 2237-2300, exc(Elgenfritz)
- 15190 CONGO REP ORTF, 1835-2115*; Afr mx, Fr anmts; Eng from 1920, Eng mx 1930; French from 1945(Williams, Caldwell)
- 15200 USSR Kalach list, Asiatic lang 1315-1330, anthem 1328 & Moscow IS 1330(Robbins)
- 15215 NETH ANT R.Ned., ex 15220, Fr to Afr 2045, off 2125, pwoerful(Padula)
- 15220 USSR Riga list, 1330 Moscow IS, into lang, till 1400(Robbins)
- 15235A INDIA AIR, Eng 1020(Sterling) Whoops, make that 1030(DF)
- 15235 JAPAN NHK, open 0100 Jap, fair, but KGEI splash(Robbins)Description of Buddhist wedding 0210(Mitchell)
- 15240 USA KGEI, 2245 Port, new sked?(Padula)
- 15250 S.AFRICA R.RSA, ex 11875, Eng to UK, //21480, 1800-1850(Rowell)
- 15255 VATICAN VR, Arabic 1905-1915, then Fr(Padula)Arab 1905(Anderson)Lang 1900 after IS, ID 1920(Field)
- 15260 UNID Fr spkr w/mx 1900 past 1912(Anderson)
- 15273 URUGUAY SODRE, ID 0058 in Sp; US pops(Young)
- 15275AU Russian IS for HS, but ID "Govorit R.Svoboda" 1802. Omsk list. What pgm? Or is this R. Liberty?(Hagerman)
- 15285 CEYLON VOA, Eng to S.Asia 1215(Sizer)Eng ID under unknown stn 1800(Hagerman)
- 15290 SYRIA Damascus, Arabic HS pgm, good lvl 0600(Sheperd-Australia)
- 15300 ECUADOR HCJB, Eng ID 1800(Hagerman)
- 15320 AUSTRALIA RA, ex 15170, TC 0200, pgm news, very poor(Williams)
- 15355 UNID. Eng newscast 1831, heavy QSB(Young)
- 16365 NIGERIA VoN, 1800 poor in Eng mx, mx(Heggs)
- 15370 BRAZIL R. Tupi presumed, TCs, pops, 0250(Padula)
- 15380 PAKISTAN(West) Islamabad, chanting 0138, //11705(Young)
- 11380 W.GERMANY DW, s/on Ger mx 2230(Mitchell)
- 15400 ASCENSION IS BBC, WS 1900(Oates) Eng 2000(Caldwell)
- 15420 PHILIPPINES SEARV, 13 Dec, 1245 mention daily test 1245-1400 to the Chinese of Asia; mx(Hauser)
- 15425 AUSTRALIA ABC, Perth, open 2300 w/TCs, wx, etc(Niblack)0300(Seth)
- 15432 S.KOREA VOFK at unusual 2230-2300 in Korean, mx, Korean mx(Niblack)
- 15435 RWANDA DW, Kigali, Hausa anmts, native songs 2005(Padula)
- 15445 JAPAN NHK, Eng 2345-0045(Mitchell, Lindley, Sterling)

- 15440 SEYCHELLES FEBA, opens 2325 w/exc sigs; splatter from NHK. Nx from Manila 2330; Sounds like RS pgmg(Robbins) Editor's note: This logging on an FEBC fgy is confirmed by other sources.
- 15445 LIBERIA VOA, Eng 2215 s/off(Fisher)Eng 1825(Burke)s/off Eng 1700(Byers)
- 16320 N.KOREA Pyongyang, Sp 2300, Korean 0000, Sp 0100-0150, anncs //11765.IDs as "R.Pyongyang" & as "R.Central de la Republica Popular y Democratica de Corea". New fgy, ex15520(Calkin, Elliott, Eby)
- 17640 EGYPT Cairo(listed), Voice of Arabs hrd 1546 in lang. Strong(Murphy)
- 17720 TAIWAN VOFC, fair 0230, gone 0300, in Eng(Martin)S/off 0350 w/fgy, ID(Mitchell)
- 17755 E.GERMANY RBI, 0150 w/mx, Ger cmtry; RBI IS 0200, then Ger nx(Robbins)
- 17770 ITALY RAI, IS, ID, s/on to Canada 1357(Mitchell)
- 17820 AUSTRALIA RA, 0130-0145 t/o w/ID, TC, dance mx, to NA, ex 17775(Williams)
- 17840 CZECH Prague, 1530 s/on Afro-Asian Svc(Hagerman) Eng
- 17875 CYPRUS CBC, Nicosia, Greek mx, 1530 under VOA carrier; VOA s/on 1558(Behr)
- 17940 EGYPT Cairo, Arabic 1430(Seth)Out of order-DF
- 17880 MALAYSIA BBC, Tebrau, 0030 ID, but blasted 30 seconds later(Sterling)
- 11945 W.PAKISTAN Karachi, dictation nx in Eng 1345(Anderson)exc at 1351*(Mitchell)
- 21480 S.AFR. R.RSA, Eng to Eur 1800-1850(Hagerman, Seth, Byers) Fr to Eur to 1900 s/off(Sheperd)
- 21495 PORTUGAL R.Port, Eng to Afr 1815-1915(Hagerman, Marshall, Caldwell)
- 21520 SWITZ SBC, Italian nx 1615(Mitchell)
- 21530 ENGLAND BBC, relay CBC, Ukrainian pgm 1345(Sheperd)
- 21570 NETHERLANDS R.Ned., Eng to Afr 1630(Burke) See below, which is it? Both?(DF)
- 21560 VATICAN VR, mx to India 1520-1530(Jones)Out of order-DF
- 21570 NETH ANT R.Ned., Eng to 1545 s/off(Jones)See above, which is it? Both?(DF)
- 21600 E.GERMANY RBI, cmtry 1230(Sheperd) Afr Svc 1300(Anderson)
- 21610 ENGLAND BBC, 1500 IS, s/on Eng, time pips(Eby)Eng to NA 1700(Seth)
- 21640 JAPAN NHK, Jap, Eng, Sp, to NA/SA, 0100-0300, //17825, 17725, 15235(Rowell)
- 21645 FRANCE ORTF, lang 1630(Caldwell)
- 21730 NORWAY RN, 1600 Eng news, Sunday(Banta)
- 21740 AUSTRALIA RA, 0122-0200 Eng; QSB (Ilgenfritz)
- 21745 KUWAIT RK, Arabic 1600, //11940(Seth)
- 25650 ENGLAND BBC, excellent in Eng 1557(Murphy)
- 25670 ENGLAND BBC, Arabic 1615, good lvl(Sizer)
- 25790 S.AFRICA R.RSA, 1330 s/on Eng(Seth) Pop mx 1445(Jones)
- 28880 MOROCCO(Tangier) VOA, s/off Eng to ME 1600(Sizer) Eng 1600(Seth)
- 25900 NORWAY RN, Norwegian on Hubert Humphrey's visit, 1540. Good level(Sizer) Poor in Eng to Afr 1600(Burke)
- 26000 USA VOA(Greenville?) hrd 1600 in E.European lang; strong(Murphy) Unlisted(DF)
- 26040 USA VOA, Gvl, Eng 1800, good(Rowell)
- 28660 CHINA Harmonic, in Chinese 1120, off abruptly 1129, 13 Dec; not hrd on any of the fundamentals, tho: 14330, 9553, 7165, 5732, 4777, 4093(Hauser)
- 30250 TAIWAN R.Svoboda, Pa-Li, 2x15125, Russ tlk 0935, 15 Dec; ID & IS 0957, 1000 ID & mx; fundamental jammed, not here(Hauser)

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The past month has shown a marked improvement in African skip, both here in Florida and elsewhere. 90 meters still not too great, but has opened up occasionally, for a few minutes at a time, producing, for example, Zanzibar on 3339 at 0330 and Zambia on 3346 at 0400 (see the loggings this month).....A few late item on the next page. Please remember to mail in time to reach here by the 15th of the month. Thanks.

* * * * *

"The answering of non-Danish correspondence will cease upon the termination of the foreign services."(R.Denmark, via Fisher) "I am trying to get a Danish letter to send them with future reports & requests for verification."(Fisher).... Shame on you, you must never listen to XERR, for they frequently ID as "La RH", for their MW 1500 XERH, of course(Hauser) I plead guilty, 60 & 90 meters too interesting (DF)Noticable improvement in DX CX on trop bands past two weeks. 90 m was complete loss until just before the first of the year.(Sparks)

Credits:

Stephen Allen, Mass. SW-4A
 Rick Anderson, Ill., HQ-200
 John Banta, NY, SX-110
 Ernest Behr, Ontario, R-530
 Don W. Billingsley, Calif., R-530
 Art Burke, Kansas, SW-4A
 Robert Byers, Ontario, GR-54
 Stanley Cabral, Cal., R-530
 Bill Caldwell, Cal., SW-4A
 Gregg Calkin, Ontario, SW-4A
 Gerry Dexter, Wis., HQ-180, R4B
 Jim Ducharme, Mass., GR-64
 Kim Elliott, Ind., Star Roamer
 Bob Estand, Texas, DX-150
 Niels Falsig, Denmark, HA-600
 Dan Ferguson, Fla., SB-310
 Marlin Field, Mich, SX-100
 Robert Fisher, Cal., ?
 Les Gaynor, Mich., Zenith T/O
 Randall Goss, Texas, GR-54
 Bob Hagerman, Mich, Star Roamer
 F. Earle Hall, Mass, HQ-180
 Glenn Hauser, Thailand, HQ-160
 Dick Heggs, B.C., SB-310, GR-54
 Del Hirst, Texas, HQ-100
 Albert Ilgenfritz, Ohio, ?
 Thomas E. Jones, Minn., DX-150
 Al Kling, Mo., DX-150, NC-77X
 Kris Lemna, Ind., SB-310
 Daniel Lindley, S.C., DX-150
 Chris Lobdell, Mass., SW-4A
 Henry Michalanka, R.I., GR-54
 Mildred Marshall, N.D., SX-122
 Bill Martin, Del., NC-183
 Bill Matthews, Ohio, SS-IBS
 Richard Murphy, Texas, SW-4A
 Al Niblack, Ind., SX-100 II
 Geoff Oates, B.C. S-76
 Bob Padula, Australia, CR-100
 , N.Caledonia
 Carroll Patterson, Ga., SX-99
 Ron Ponke, Mich. HA-700
 Sam Rowell, Wash., DX-150
 Marvin Robbins, Neb., ?
 Lawrence Scoville, NY, Explor-
 Air
 Michael Seth, NY, SW-4A
 Robert Sheperd, Australia
 , N.Caledonia
 Al Sizer, Conn., DX-150
 Bill Sparks, Cal., R-4B
 Kim Stenson, Vermont, Zenith
 Wendell Sterling, Pa., HQ-100
 Peter Taylor, Ontario, ?
 John Tuchscherer, Wis., HQ-100A
 Jim Weber, Calif., SX-130
 Dave Williams, Ore., SX-122

Richard Wood, Hawaii,
 Jim Young, Calif., HQ-100AC
 * * *

Welcome to several new reporters, and our usual sincere thanks to those who regularly share their loggings....Some will remember that Marvin Robbins was SW editor for the old Universal Radio DX Club back in the early 50s.

NOW a few items which arrived too late for inclusion in the main list. From Niels Falsig:

4790 Ondas Portenas, 2335-0005, 23 Dec.

4965 R.So.Afr., Eng mx 2105.

4967 R.Kuwait 2000-2100 s/off; Eng non-stop pops, s/off w/ID.

4975 UNID w/non-stop Indian mx 0023-0040. 24 Dec. New fqy for India?

6070 Karachi, 0146, 11 Jan, native mxcast.

...and some other items which are already listed. See 4967.5 this month & compare with above. App it is Kuwait.(DF)

From Al Kling:

11785 D.Welle, Eng to E.Asia0930

11710 R.Australia 0845-0915 s/off in Eng.

* * *

The 1970 WRTH has arrived, contains 400 pages this time, around 200 of them of interest to the SWBC DXer. No DXer can afford to do without it.(DF)

A station similar to the stn on 4884 was hrd around 3400 from around 1800 GMT, when I was in England. Not on a regular sked...Do you require reports on special log paper?(Taylor) No, just list 'em by fqy, use one side of the paper, use GMT & mail in time to reach me by the 15 th of the month.(DF)

Note you are asking for more details on rare items. Excellent, I endorse that wholeheartedly.(Niblack) Yeah, it seems to work the other way most of the time. Large quantities of details on the "big boys", very little on the rare ones. We need a description of the program heard on those rare ones, folks. I know it is sometimes difficult to come up with much, but just to say you heard the station doesn't give others much help in trying to log it.(DF)

Letter in from R.Caraibes, Haiti, today. As far as I can tell, so far, the letter confirms the program, but claims to operate on 6015, not 6035. Still hrd here on 6035, but still can't make out the ID completely. Believe 6015 is nominal, and they are now on 6035. Lists sked as 0945-0400 on 6015 & 1150 MW.(DF)

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I believe the credit list this time is the longest since I have been doing the Log Report, first time it has ever been necessary to run into the second column! Hope to see YOUR name in the list next month.

***** FLASH

Last minit news/tips

SHEET *****

Last minit news/tips

AL NIBLACK-EDITOR, 420 SHELBY STREET, VINCENNES, IND. 47591 DEADLINE 23rd OF MONTH

- ANGOLA: Em. Oficial, Luanda, logged with FB sigs on 3375, at 2115, in Portuguese, good U. S. pops, followed by classical music. (Al Sizer, Conn.)...7245 Em. Oficial found S/on at 0500 with "A Portuguesa", listenable level, 1/17. (Ed Shaw, Calif.)
- ARGENTINA: 9710 B. Aires, LRX, R. El Mundo noted at 0445 with W amcr in English asking for comments and suggestions on prgming. Calls LRL and LRX. (Marv Robbins, Nebr.)
- AUSTRALIA: RA, 11930, replaces 11920 to Pacific, 1800-2200, in parallel with 11840, 9540. DARWIN Relay since 1 Jan, 1970, all xmtrs using 250kW, using 17715, English 0030-1000, ABC news, 0230...15355, English 2300-1230, English news at 0230, English from 0030...15130, English 2300-0030, English news at 2300...9650, 1230-1430 closing Thai, Vietnamese, logged at S/off...6055, 1000-1430 S/off, Indonesian, Chinese, heard at 1000 S/on. NOTE: From Mondays to Saturdays all freqs S/on at 0830, so above Sundays only. (August Balbi, Calif.)
- BIAFRA: (Follows the saga of the last days of the outlet) 1/11, Voice of Biafra, heard 0600-0630, 6145, pops with M amcr, African Tcs, IDs...1/12, Voice of Biafra, 6145, 0600-0700, non stop classical music, no amncts...1/13, R. Biafra, 7306, news-cast 0601-0607: amcd, "This news is coming to you from R. Biafra". According to my monitoring this was the last news from Biafra... On 1/14, 15, 16, nothing on 6145... On 1/17, 0515-0715, station logged amncing as, "Radio Nigeria", 7306, QTH of Oboduku, ...Believed the outlet is now moved to Enugu, will be known as R. Enugu. (We are indebted to Bruce Churchill, Calif, for ALL the foregoing FLASHES, Editor)...Voice of Biafra, 6145, 0615, 1/9, charged heavy British interference on the side of the Nigerian Forces. Nothing since this date, FLASHES G, Alan Hickrod, Ill... (FLASH) R. Biafra is no more; ID at 0600 on 7305-7, 1/17, for Radio Nigeria; believe its the old Biafra xmtr. (Del Hirst, Texas)... (FLASH) R. Biafra as of 1/15, now R. Nigeria, due to surrender of Biafran troops-freqs as before. (Bud Lechleiter, Ky.)... (FLASH) 1/18, R. Biafra's jungle xmitters were captured by Federal Nigerian Forces on 1/14. Thus ends Radio Biafra. (Rod Williams, Georgia)... (FLASH) Recently I received a QSL from P.C. Chigbo for my report on "Voice of Biafra", dated 1/3, and may be one of the last since Biafra is no longer. (John Banta, New York)
- CAPE VERDE IS: CR4AA heard 2210 on 3883, in Portuguese. (Robert Byers, Canada)...R. Clube Cabo Verde now noted on 3885, 2355 check, brilliant level. (Dan Henderson, Maryland)
- CHAD: 4904 R. Nationale logged at 0658, good. (Steve Kamp, Texas)...Fort Lamy running an extended skod, observed 2300-2330, teletype and QRM de HJAG. (Marv Robbins)
- COLOMBIA: 5035 Newly reactivated L.V. de Caqueta heard S/on at 1102, good. (Al Sizer)
- CONGO (DR): 4839 R. Bukava good in language at 0400, is consistent. (Dan Henderson)
- DOMINICAN REP: La V de Papagayo logged at 0620, 5030, good sigs, misc, ID. (Steve Kamp)
- FIJI: 3230 Heard 0600-0645, M amcr, South Sea Island music. (Kris Lemma, Indiana)
- GABON: 4777 Libreville running late 2245-2315, to celebrate New Year's arrival. Anthem at 2300 followed by speech, all in French. (Marv Robbins)
- GHANA: 4915 R. Ghana heard with English religious prgming at 2130. (Robert Byers)
- INDONESIA: 4750 RRI, Makassar, logged 1401, gong, ID, news till 1410. (Steve Kamp)
- KENYA: 4915 Nairobi heard with great signals from 0400-0420, till deteriorated. News in Swahili, several mentions of Kenya and Mombasa. (Al Sizer)
- MALAYSIA: Voice of Kuala Lumpur, 9665, moved from 9660, English news at 0930, 1400, 1600, in parallel with 7290. (August Balbi)
- MALI: R. Mali heard at 0554 with IS, 0559 S/on, W in French, on 4834. (Ron Ponke, Mich.)
- MONGOLIA: (FLASH) R. Ulan Bator bcasts in English everyday from 1220-1250 GMT on 17780 and 15440; then from 2200-2230 GMT on 11860, and 9540. Your remarks, questions, criticisms, music requests welcome. (R. Ulan Bator direct to Editor Al Niblack)

NEPAL: 11970 Kathmandu good signals with opening at 0118, with IS. (Marv Robbins)
NICARAGUA: R. Dif. Nac. de Nicaragua 11875, noted with an ID at 2000 hrs. Hope this clears up the uncertainty of this frequency noted in some bulletins. (John Soneff, La.)

NIGER: R. Niger noted at 2100 in French, good level. (Dan Henderson) (3260)
NORWAY: 25900 Oslo observed at 1600 on a Sunday with, "Norway this Week", at excellent level, no QRM at all. (John Banta.)

PHILIPPINES: 6170 PBS, Manila, heard with fair signals 1221-1245, with some classical music mixed with orchestra music; ID at 1230. (Marv Robbins)...7230 FEBC, Call of the Orient, noted in English at 1230. Weak level but no QRM. (Ed Shaw)

RHODESIA: 4828 RBC noted at 0400 with news in English. (Kris Lemma)...This one found with news closing at 0410. (Dan Henderson)...Gwelo heard with R & R music, Cms, M amncr. Good signal though difficult copy. (Ron Ponke)...Rhodesian BC Svc, Gwelo, 4828, beautiful 30/S9 level, African Svc prgm. (Ed Shaw)

RWANDA: 6055 R. Rwanda, Kigali, noted at 0325 with IS, and ID in French, excellent 20/S9 level. This one consistent into ECNA. (Dan Henderson)

SEYCHELLES: (FLASH) 15440 FEBA found on the air at 2325; ID at 2330 by W, into news relayed from FEBC, Manila. Is using one of FEBC's frequencies and heard at good level. (Marv Robbins)...FEBA found 13 Jan. on 15420, with continuous repetitive IS (chimes from what sounds like a few bars of, "Joy to the World"); ID every 10 - 15 minutes by M, freq, asking for reports, 0030-0120. On the move. QRM de Madrid, 15421; Perth, 15425, FLASHES Gregg Calkin, Canada.

SO. AFRICA: 7150 Springbok Radio noted behind R. Moscow with regional, commercial type prgming, 0300-0500. David Dunn, Texas)...7150 Springbok Radio logged with many commercials for Red Rose Tea, Enos, and etc, 0309 to 0435, English and Afrikans, heavy QRM. (Dick Heggs, Canada)...Springbok Radio on new 7150 around 0400, with news at 0430. (Del Hirst, Texas)...Springbok Radio noted on 7150, at 0300, mixing with R. Moscow. Is this a new fqy, strong level. (Bill Martin, Dela.)...7260 Springbok Radio noted at 0500 in Afrikaans with Cms and music. Good. (Ed Shaw)...Springbok Radio very powerful tonight on 7150 at 0330, which seems like a new fqy. (Bill Sparks, Calif)(FLASHES)

SUDAN: 7200 Omdurman S/on at 0400, then into religious chanting. On top of VOA most of the time till tune out at 0458. (Marv Robbins)

TANZANIA (ZANZIBAR) 3339 M Radio Tanzania Zanzibar definitely heard S/on at 0330 after IS of musical chords, 1/15; rechecked 1/16, repeat appearance, same general format, into prgm of chanting or intonations. Poor to fair level, language undetermined though definite ID heard. Usually gone by 0400. (Al Niblack, Indiana) (FLASH)

TIMOR (FLASH) 3268 Now that this fqy is clear of the Ute station from 1000-1400, there is a chance to log this rare one stateside. (Bruce Churchill)

USSR: 6035 Vladivostok listed - Russian Home Service heard 2055 to 2115. Soviet anthem at 2100. Could possibly be Soviet Far East as its before sunrise there. (Marv Robbins)

VENEZUELA: 3245 (See last month's FS) The station with the Arabic prgm on this fqy I now think is Venezuela rather than an Ecuadorian outlet as I previously reported. S/off at 0400. (Del Hirst)

VIEトナム(NO): (FLASH) Hanoi heard 1330-1458 S/off. Fair signals but going down hill at closing. English news at 1330. (Marv Robbins)

DECEMBER 1969: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 1-5-70:: 1-91, 2-107, 3-93, 4-90, 5-78, 6-66, 7-46, 8-39, 9-44, 10-37, 11-27, 12-51, 13-74, 14-94, 15-83, 16-86, 17-98, 18-85, 19-76, 20-90, 21-112, 22-125, 23-113, 24-127, 25-149, 26-131, 27-136, 28-139, 29-152, 30-152, 31-116. MEAN-.93.8

PREDICTED: Jan -89 Feb -87 Mar -85 Apr -83 May -82 Jun -81 (Grady Ferguson, No Car.)

ACKNOWLEDGEMENT: Thanks to all the 21 reporters who cared enough to make this column possible by supplying material. And, its good to have veteran DXer and friend Marv Robbins, Nebr., reporting in as active. Welcome back, Marv!

A few kindly words to reporters to this column; Please do not submit material to this column that has been supplied to other FRENEX Editors. Please write on one side of the paper only. Please double space between items. Please quote the model number and make of your receiver(s). Please do not include your items in the text of a letter but put them on a separate page. There is a reason for these requests. THANKS. Late FLASH items may be phoned in after 2200 GMT to 882-3976. Good DX to all, 73, Al Niblack

Heard but very weak readability 0 zero

Handled at 3:45