

SPEEDX

the dx radio magazine for active shortwave listeners

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1974

world dx handicapped aid year

Sept. 1974



Vol. IV — No. IX



KEYNOTES



CONGRATUATIONS TO 4 NEW FULL MEMBERS

KEVIN R. SUDDICK
DETROIT, MI.

GEORGE M. SEMKO
EGGERTSVILLE, NY.

JOHN MOSMAN
PALATINE, IL.

ROBERT J. ALVORD
CHICAGO, IL.

Certificates of Full Membership and a copy of the SPEEDX Constitution were mailed to each of the above Full Members in August.

SPEEDX WELCOMES THE FOLLOWING NEW ASSOCIATE MEMBERS

THOMAS QUINN JR.
FOREST HILLS, NY

PETER BOOHER
HUNTSVILLE, AL

JOSEPH PAIMO
FREDERICKTOWN, PA

DAVID SAMUEL
BROOKLYN, NY

LEON TANNENWALD
BROOKLYN, NY

ILOYD SCOTT JR.
BARTOW, FL

STEVE WATIAE
IEWISTOWN, PA

JAMES CAPILLI
HONOLULU, HI

KYLE RICHMOND
ROCKVILLE, CT

BARRY HARDING
FRESNO, CA

RONALD NUTTER
LEXINGTON, KY

STAN ROGACKI
WALDWICK, NJ

DON GRIDER
SILVER SPRINGS, MD

HANS SCHLEI
FED REP OF GERMANY

M.I. FLANNAGAN JR.
CHARLOTTESVILLE, VA

We are looking forward to hearing from you often. SPEEDX urges you to support the various columns and share your loggings with the full group of members. This is your club, it's only as good as you make it.

NORTHERN CALIFORNIA AREA DXERS

NOGADS to meet October 26th one day only at the home of our illustrious OSK Editor, Doug Snyder, 3130 Woodmont Drive San Jose, Calif. Write to Doug for full information and or let him know you plan to attend.

POPULAR ELECTRONICS DX EDITOR

SPEEDXER Glenn Hauser because of his familiarity with all aspects of DX listening, has been chosen to edit the DX SCENE column in Popular Electronics, beginning with the September issue. PE's Editorial Director Arthur P. Salsberg, has made a good choice in selecting Glenn.

ANARC EXECUTIVE SECRETARY NOMINEE

David B. Browne, 557 No. Madison Ave., Pasadena, Ca. has been nominated as Executive Secretary to ANARC. Dave is an active member of the ANARC Public Relations Committee, has attended all STADS meetings representing all DX Clubs. He is a member of SPEEDX, NASWA, ASWIC and Radio California USA. Election to be held in October to fill the expired term of the present Secretary, Al Reynolds.

ANARC MAN OF THE YEAR AWARD

The 1974 Award was made to Al Niblack, Editor of NASWA's Flashsheet. Congratulations Al, SPEEDX salutes you.

FREQUENCY SELECTION

The broadcasting year is divided into four seasons. These same seasons are observed by all International Broadcasters and are:

"M" March-April

"J" May, June, July & August

"S" September-October

"D" November, December, January & February

These four periods are commonly referred to Spring, Summer, Fall and Winter, the corresponding seasons of the Northern Temperate Zones. They are based, however, on propagation conditions, rather than climate or weather. Propagation, in a large part, depends on the hours of sunlight present in certain areas of the path the signal uses, and these divisions of the year are convenient ways to take into account these seasonal propagation changes.

There are several sources of information on which our frequency is based. Of course, the ultimate goal is for bands and those frequencies within the bands which will give the best target area signal with the least interference so the largest number of people can hear us. Let us follow the process of FREQUENCY SELECTION, in the approximate sequence in which it takes place.

The process starts with band selection. This selection is able to be - - worked out through known scientific methods. Various countries have developed their own methods, but the end results of all is the same, practically speaking. HCJB has decided to use the method developed by the - - Institute for Telecommunication Sciences of the United States Government. Based on: a) the coordinates of the transmitting station, b) the coordinates of the receiving station, c) the predicated sun-spot number, d) the month and day in the year a series of frequencies can be obtained - - for every hour of the day.

These frequencies are:

- HPF Highest Possible Frequency, that frequency which is "open" 10% of the time and "closed" 90% of the time.
- MUF Maximum Useable Frequency, that frequency which is "open" 50% of the time and "closed" 50% of the time.
- FOT Frequency of Optimum Transmission, that frequency which is "open" 90% of the time and "closed" 10% of the time.
- IUF Lowest Useable Frequency, that frequency which, taking into account the transmitting "Effective Radiated Power" and the noise in the receiving location, will put a useable signal into the receiving location 80% of the time. Operating below this frequency will lower this percentage due to the additional absorption losses in the Ionosphere.

It is the goal of HCJB to operate one transmitter near the MUF and a second at the FOT on all transmissions. If a third transmitter is available, it is operated below the FOT, providing that frequency is not below the IUF. We use data compiled by computer for every other month and to some 20 key cities around the world. The reception reports received have verified the veracity of the computer predictions, and continue to do so.

Another important factor affecting our transmissions is the local Time in the Target Area. There are times when certain bands are very good for - -

transmission but those times occur when there are very few listeners, - such as the wee hours of the morning, or the middle of the afternoon in the target area. Those hours, by the way are very good hours to pick up other than the ordinary stations at times when they are beaming to other parts of the world. The interference is considerably less then, as well.

To determine the best hours for transmission, several factors must be - considered. The local customs and habits of the listeners are important. In some countries, the listener goes to bed very late and rises very - - early, while in others, the opposite occurs. Some countries have important TV programs on the State operated networks which would take priority over Short Wave Listening. These and other factors must be considered - before "Prime Time in the Target Area" can be fixed. Generally speaking, from 7:00 AM to 9:00 AM and from 7:00 PM to 11:00 PM local time at the receiving location are the best times. These, then, are the hours of interest, and for which the best bands and frequencies must be determined.

Certain languages and target areas have preference over others. Here at HCJB, the Broadcast Director has to determine the priorities and set how many hours of transmission each of the various Language Divisions can have, and as well he has to resolve the conflicts which occur. Compromises are made and changes incorporated to come up with a combination - which will adequately serve the audience we want to cover, and at the - same time be within the capability of the equipment we have available. Our transmitters, other than medium wave, average over 23 hours on the air daily, with the little time remaining in the day used for cleaning and routine maintenance.

When the languages, target areas and hours have been determined, transmitter assignments are made, appropriate for the service which the various transmissions require. The bands are chosen according to the previously discussed material, and the actual selection of the frequencies begins. The meter bands, within which we are required to operate are - specified by the International Telecommunications Union. These bands are:

49 Meter Band - 5950 kHz to 6200 kHz

31 Meter Band - 9500 kHz to 9775 kHz

25 Meter Band - 11700 kHz to 11975 kHz

19 Meter Band - 15100 kHz to 15450 kHz

16 Meter Band - 17700 kHz to 17900 kHz

13 Meter Band - 21450 kHz to 21750 kHz

Not all broadcasters stay within the limits above. But, as the Ecuadorian Government is a signer of the International Telecommunication Union Regulations, we must abide by those Regulations.

All our frequencies are registered through the Ecuadorian Government agencies with the ITU and the International Frequency Registration Board. This registration information includes the hours, the target areas, transmitter power and antenna information such as gain, direction, vertical angle and beam width. The IFRB then publishes this material on all broadcasters in four volumes printed through the year according to the seasons "M" "J" "S" and "D". The information is not 100% correct, but is a good point of departure from which to make up a final schedule.

The reasons for not being completely accurate are several. Some Countries do not cooperate with IFRB and therefore, do not register any of their frequencies. Many changes are made to the broadcasting schedules, and while "Changes of Notification" are filed, the time delay is long before their publication. The IFRB sends out weekly sets of changes that have been received and processed, but the delay in receiving these is over a month. Normally, the book of frequencies and their users arrives about 6 weeks before the schedule goes into effect. With the book in hand, we go to the final setting up of the Broadcasting Schedule.

Combining the IFRB Frequency book, listener reports from previous sched-

ules, and a good deal of experience, we then determine what we feel are the best frequencies within the bands for doing the job. Experience is valuable in putting the proper weight on the listener reports as well as knowing what our own and other broadcaster's equipment is capable of. We attempt to avoid interference in so far as possible. There are times, however when all available frequencies are in use. We then have to look for a frequency where we have the best probability of coming out on top.

This schedule, comprising times, frequencies and target areas is then printed and distributed to some 40 International Broadcasters. They have already been sent a Tentative Schedule, a schedule drawn up some 6 months before, and made without the benefit of the IFRB book. Not all these reciprocate, but many do. During the preceding 6 months we have been studying schedules, making comparisons, checking out listeners reports and exchanging letters with the Broadcasters in attempts to work out possible interference problems.

This state of information exchange, checking up and compromise goes right up to the time that the schedule goes into effect. Sometimes no changes are possible and stalemates occur. Also, at times when we get right down to the wire, there is a rapid exchange of telegrams in order to avoid a last minute problem.

Then comes 0100 GMT the first Sunday of the month in the new period. This is the hour when the new schedule goes into effect. The first couple of weeks are turmoil as all the unseen and previously unknown problems suddenly come to the surface.

Regular, almost daily checks are made with our various language divisions to get a look at the first mail that comes in. The first several weeks are critical, especially with regard to new frequencies. The listener's letters are indispensable during this period. Our Monitor's letters and reports are scrutinized very carefully to see how things are doing. This is the final proof of 6 months of searching, comparing, calculating and making calculated guesses.

Based on the results of the listener's reports for the first couple of weeks of the new schedule period, we might find that additional adjustments are needed to avoid interference we did not anticipate, and slip into some open spots that equally we did not anticipate. We are usually not aware of these fine details without Monitors and listeners with their letters and reports for us. Usually after a few weeks, things settle down and stabilize for the remainder of the schedule period. There are occasion when changing conditions or other Broadcasting schedules and their changes might dictate some changes on our part later in the season. These changing conditions might accentuate otherwise moderate interference and make these later moves advisable.

The key and goal to the whole process is, of course:

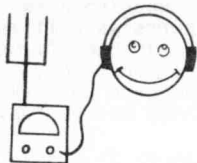
"CAN THE LISTENER HEAR AND UNDERSTAND THE PROGRAM MATERIAL?"

If he cannot, then what can be done to improve the situation? Sometimes the answer is nothing. But believe me, we want to be aware of the problem and will continue to work on them until some sort of answer is obtained, even if the answer is wait until next season.

We cannot answer the question without hearing from those who do the listening to the signal in the target area. You, the listener are the ultimate in proof. Without your letter, we still don't know of the failure or success of our work. As being very much in the middle of the whole business I would appreciate hearing from you. I will be looking for your letter. 73 and good listening.

Roger Stubbe
Frequency Division
H2JB

For permission to reprint the above article, we are grateful to Roger Stubbe and to H2JB.



JOHN L. KOLB
12532 ARABIAN WAY
POWAY, CA 92064

TECHNICAL TOPICS

Hi there again. I've been just sitting here waiting for your questions. I can't answer them unless I hear them. Sorry to have missed you at the SCADs meet- I didn't get there until it was almost over.

There's a DXer in the White House now. President Ford addressing Congress on Aug. 12, stated he would "tune in to the real Voice of America." There's another one?

Art Glover suggested I present the following from the Deutsche Welle Handbook 72, by Fred Rogler. DW suggests these criteria for rating stations with the SIO code:

- 3 Interference so minimal that the spoken word can still be understood perfectly.
 - 2 Only parts of each sentence can be heard during a word broadcast.
 - 1 Program reception is completely unsatisfactory, but that the station identification was still recognizable.
- X Letter "X" should be entered in the column if it was impossible to identify the program.

Of course 5 means as good as your local best station.

Several people have sent comments on things I've mentioned previously. These are much appreciated. Corrections or additional comments are always in order. I certainly won't be correct always or know more than the combined membership. This is a dialogue.

Harold Kaye is certain the Lafayette HA-600 is a much better receiver than the DX-150. "We have found the HA-600 to perform very well for a receiver of its price range; in selectivity and sensitivity it is quite good and its major fault is in the lack of image and overload rejection, but I think that this is found in all inexpensive communications receivers. I have found the DX-150 to be inferior, with one of its major problems as the "feedback" caused by a speaker within the receiver. The 1969/70 edition of "How to Listen to the World" contains a review of the HA-600 and calls it 'the best of the low cost receivers'." Harold also mentions the SX-133 has bandspread for the SWBC bands, as well as for the Ham bands.

Jay Levin, in New York City, is having a problem with static. 1.6 to 4.5 MHz is completely blanked out, and static is bad up to 6 MHz. Well Jay, how would you like to move to a farm in Mississippi. I don't think you will do much to clean up the noise in NY. Sorry I can't help much on this one. Comments from New Yorkers???

From Al Sizer; "I just received from MFJ Enterprises their CW filter and I guess it was a mistake. I thought it would improve selectivity with the SPR-4, but it cuts down volume to the point where you can hear only the more powerful stations." This seems typical of what I've heard. Most audio filters are designed only for CW reception-they're far too sharp for use on voice. Most are for use with headphones and have low outputs.

Jim Vecchiola would like to know if the Joystick/Joymatch antenna is any good. Yes, but very expensive for what it is. This system is basically about a 10 foot mast together with a pi network antenna tuner to match the mast to the receiver. Don Johnson has plans for a tuner which will make any short antenna perform about as well. Write him.

Jim also has comments on the Drake R-4C and Galaxy R-530. The R-530 has no spurious responses, and tends to overload below 3 MHz, but the 20 db attenuator clears that up when switched in. The AGC and selectivity switch are separate from the Mode switch. The dial is stiff, awkward, and small. "The Drake R-4C is an amazing receiver. The tuning is a dream. ... The selectivity is determined by the setting of the mode switch, so the EFO and product detector must be used when the narrow filter is needed. However, the Drake passband tuning feature makes exalted carrier reception with the narrow filter a snap, and with the carrier zero-beat, it's easy to swing from one sideband to the other to find the least QRM. ... The Drake has some problems with spurious responses, but most are less than S-5. Only two, one near 4970, and one near 9970 are bad." "The only thing I miss on the Drake is ECB coverage and 5.5 MHz aeronauticals. I like to variety of controls on the R-4C----careful tuning, plus some fiddling with the mode, passband, and notch filter controls can clear up an amazing amount of QRM."

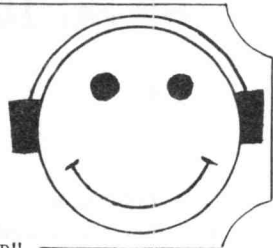
73's and keep those cards and letters coming.



HAPPENINGS

HANDICAPPED AID PROGRAM

GENE MOSER - HAP DIRECTOR
6805 Woodland Court
Coloma, Michigan 49038 USA



"1974 WORLD DX HANDICAPPED AID YEAR"

HAP CHANGES HAP will be undergoing major changes in the next 6 months. Most will add new services & fund raisers. However, I have the sad, and personally painful task of announcing the resignation of Bill Paschke. He has served as my 1st vice chairman & recently as assistant director. For 2 yrs. he has shown deep loyalty, hard work & strong convictions in our cause. It is only because of deteriorating health that Bill retires from his duties effective 1 OCT. He carries HAP-1 as a life member of HAP. He has served in many areas where I could not. I will lose a devoted partner when he leaves but his council & friendship I will always value & require. Please continue HAP correspondence with Bill until 1 OCT.

SWL INTERNATIONAL is sponsoring "SWLI HAP/CHAP MONTHS". Anyone ordering a sample copy of SWL NEWS from 1 SEP to OCT 31 will be aiding HAP & our CHAP. All sample fees collected during these months will be evenly divided to help our two projects. Sample copies of SWL NEWS are 40¢ in North America, 4 IRCs elsewhere. Order from: SWL INTERNATIONAL, DEPT. H, 4375 DE LORIMIER AVE, MONTREAL, QUEBEC, CANADA H2H 2B3.

CHAP SPECIAL REPORT — CHAP SPECIAL REPORT — CHAP SPECIAL REPORT

CHAP is the official Canadian chapter of HAP. In 1973 the HAP Reps for CIDXC & SWLI decided that a HAP organization was needed in Canada. Due to the high costs of sending equipment across the US/Canada border, & also to the already large workload of HAP, this new organization, while remaining closely affiliated w/HAP, would have to operate independently in many ways. CHAP's purpose & aims are the same as those of HAP. They seek to introduce SWLing/DXing to the physically disabled. The needs of these people for good equipment, assistance & info are also fulfilled as much as possible. CHAP will provide equipment such as receivers, ear-phones, antennas, etc whenever available, free of charge, by a loan program. Membership in Canadian clubs are also provided free or at a reduced rate. CHAP also follows HAP's Participation Policy. CHAP is still a very modest operation & support is greatly needed. Shortages of good equipment are always acute problems & donations are very much appreciated. Funds are raised through sale of donated cancelled postage stamps, SWLI/DXer get-togethers sponsored for CHAP's benefit, CIDXC/SWLI program & services, and the generous voluntary donations by interested persons. For more info write to HAP HQs or: CHAP, HAROLD SELLERS, CHAIRMAN, 122 GIROUX ST., APT 20, NORTH BAY, ONTARIO, CANADA P1B 7Y7.

SMILE If you don't have your HAPPy face rubber stamp(\$2.00) why not get it now? Our HAP BALL POINT PEN is smooth writing & comfortable when writing L-O-N-G reception reports & letters(\$1.25). Finally, we have our 3 color jacket patch. It features a handicapped DXer at his rig(\$1.00). They make great gifts to your DX buddy too. Order one or more for yourself and/or friend today. Checks/MO's payable to HANDICAPPED AID PROGRAM.

I still need an artist. Refer to AUG HAPPenings column for details.....

LISTEN TO HAP REPORT OVER HCJB ON SATURDAYS(SUN GMT).

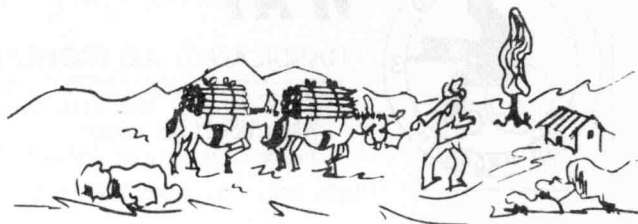
DONATE THAT SPARE EQUIPMENT NOW. HELP A HAPPie!!!!

⁷³
Gone

SWBC DX - Western Hemisphere

■ EDITOR ■

E.J. "Jim" Whitehead
177 Pine Ridge Road
Reading, Mass. 01867



REFRÁN

"Antes que te cases mira lo que haces"

HOW THE LATINS TELL TIME

The frequent time announcements of many Latin American broadcasters are extremely useful aids for the knowledgeable DXer. Often they provide a clue to identifying a station while, at the same time, providing an easily recognized and often distinctive program detail for your reception report. To get the most from this DXing tool, however, it is necessary to know a few of the basic principles of the way a Spanish-speaking person tells time. There are many similarities, as you will see, but there are differences as well. In addition you will need a little vocabulary but many words are similar to their English language counterparts. It takes some getting used to but, with practice, you will soon be making full use of this invaluable DXing aid.

VOCABULARY

As always when discussing a subject involving another language, it is necessary to introduce a few new words. In this case, the list is not very long. To get a feel for these new words and, of course, numbers read them aloud two or three times and do the same with the examples in the text. The time it will take to familiarize yourself with these new words will surprise you.

la hora (OH-rah)- hour
es (ays)- he, she, it is
son (sohn)- they are
para (PAR-ah)-toward
minutos (me-NEW-tohs)
media (MAY-dyan)-half
cuarto (KWAHR-toh)- quarter
en punto (ayn PUN-toh)-exactly
de (day) for, of
mañana (mah-NAH-nah)-morning
tarde (TAR-day)- afternoon
noche (NO-chay)- night

menos (MAY-nohs)- less
hasta (AHS-tah)- until, before
desde (DAYZ-day)-from, since
uno (OO-noh)- one
dos (dohs) - two
tres (trays)-three
cuatro (KWAH-tro) - four
cinco (SEEN-ko) - five
seis (sayees) - six
siete (SYAY-tay)- seven
ocho (OH-choh) - eight
nueve (NWAY-vay) - nine

diez (dyays)- ten
once (OHN-say)- eleven
doce (DOH-say)- twelve
trece (TRAY-say)- thirteen
catorce (kah-TOR-say)- fourteen
quince (KEEN-say)- fifteen
veinte (vay-EEN-tay)-twenty
treinta (TRAY-EN-tan)- thirty
cuarenta (kwah-RAYN-tah)- forty
cincuenta (seen-KWAYN-tah)- fifty
sesenta (say-SAYN-tah) sixty
veinte y dos (VAYEEN-tay ee DOHS)

THE CLASSICAL APPROACH

There are two approaches to telling time in Spanish, the classical and the modern. The classical, or textbook, approach is by far the most prevalent but, the modern, as always, is making inroads and may be heard with increasing frequency throughout Latin America.

The classical approach requires we envision an hour divided into two thirty minute halves (Figure 1). These may be considered the "plus half" comprising the first thirty minutes and the "minus half" which is therefore, the last thirty minutes. Now, with this picture in mind, let's consider two rules. First, to give the time in the plus half one simply gives the hour PLUS the minutes. And, secondly, to give the time in the minus half one goes to the approaching hour and gives the time as that hour MINUS the appropriate number of minutes. For example, if it is one hour and two minutes, one says

Es la una y dos minutos
(ays lah OO-nah ee dohs me-NEW-tohs)

and, if it is two hours and three minutes, one says,,

Son las dos y tres minutos
(sohn lahs dohs ee trays me-NEW-tohs)

But, if it is one hour and fifty-eight minutes, one says,

Son las dos menos dos minutos
(sohn lahs dohs MAY-nohs dohs me-NEW-tohs)

or, if it is two fifty-eight, one says,

Son las tres menos dos minutos
(sohn lahs trays MAY-nohs dohs me-NEW-tohs)

You will note that only the first half hour uses the singular "it is" or ES. All others are plural, two hours, three hours, etc., and require the plural SON translated, in this case, "it is" although normally meaning "they are".

In English the expressions "its half past" or "its quarter past" are commonplace and these phrases have their equivalents in Spanish. One says, for example, "its two fifteen" as "two hours and a quarter" or,

Son las dos y cuarto
(sohn lahs dohs ee KWAHR-toh)

or, "its half past two" is said

Son las dos y media
(sohn lahs dohs ee MAY-dayh)

In practice this textbook approach has some variations. It is cumbersome to subtract from the upcoming hour, particularly for the many uneducated persons who speak Spanish, and so a variation that avoids this has come into common usage. In English we often say, "its ten to" or something similar and so it is in Spanish. Here one says,

Son las veinte minutos para las dos
(sohn lahs vay-EEN-tay me-NEW-tohs PAR-rah lahs dohs)

for "its twenty minutes before two".

TIME OF DAY

Most countries in Latin America, with the exception of Argentina and Chile, use the twelve hour system with which we are all familiar. As a result, it is necessary to identify just which part of the day one is talking about. The Spanish speaking person accomplishes this quite simply by tacking "de la mañana" (of the morning), "de la tarde" (of the afternoon) and, "de la noche" (of the night) onto the time phrase. This is usually done at the end but, may fall after the hour as in the following example:

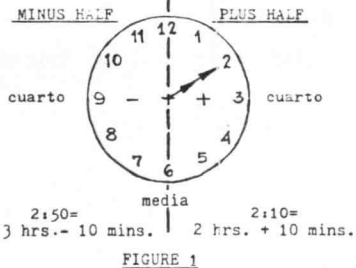
Son las dos de la noche con veinte y cinco minutos.

THE MODERN APPROACH

As logical as it is, the classical approach is still quite cumbersome when compared with the English language approach and so, the methods you commonly employ are slowly creeping into daily usage in Latin America. As a result, you should not be surprised to hear the time given simply as "nine forty" (nueve cuarenta minutos) or as "eleven thirty" (once treinta minutos).

PRACTICE MAKES PERFECT

Pick a good clear station some night and listen for the time checks. Try to get the feel for them and translate them. Your local time will help you get the minutes and the hour can be easily figured out after you hear a few. Try Radio Quito, 4923 khz, whose easily recognized time announcements every quarter hour are excellent examples of the way one says "its quarter past" or "its half past" and give the modern equivalents as well. With practice you'll soon be an expert.



ARGENTINA

- 5985 1028 LRS2 R. Splendid:Sp.w/nx, ID @ 1003, ad, guitar music (253,8/2; Moore-PA) (342,1028,7/26; Zilmer-WI)
 6060 1000 LRA31 R. Nacional:Sp.w/mx-cl.mx to pop mx (433,7/26; Zilmer-WI)
 9690 0620 LRA32 Radiodifusión Argentina al Exterior:Eng.w/trlk, "Argentine Chronicle" (444,6/12; Capili-HI) (443,0150,7/24; Levin-NY) (444,0505,7/16; Cleveland-CA) (433,0345,7/24; Kratter-NY) (333,0335,7/9; Eichenhorn-MI) (444,0600,7/27; Beck-OH) (554,7/11; Gaede-CA)
 11710 2340 LRA35 Radiodifusión Argentina al Exterior:Eng.w/lovely tango mx into ID, s/off by YL (322,7/30; Miller-OH) (554,2330,8/7; Davis-CA) (343,2305,7/17; Nebron-CA) (444,2308,8/6; Wootten-MD)

BOLIVIA

- 4845 0230 CP72 R. Fides:Sp.w/TENTATIVE logging of LA mx, tkl (212,3/27; Giannini-IL)
 6035 0102 CP92 R. Panamericana:Sp.w/radionovela (444,7/25; Rodriguez-PR) (333,1020,7/24, w/native mx, ads; Jones-MS) is NEW freq.!!!!

BRAZIL

- 4765 0025 ZYN33 R. Soc. de Feira de Santana:Port.w/TENTATIVE logging of TCs, pop mx, tkl. Heavy QRN (242,7/24; Moore-PA)
 4785 0932 ZYY20 R. Caiari:Port.w/ID as "Rádio Cai-ar-i", local music (253,7/30; Moore-PA)
 4795 0935 PR14 R. Tabajara:Port.w/Local mx, ID, ad by YL (333,7/14; Kolb-FL)
 4807 0140 ZYS8 R. Dif. do Amazonas:Port.w/ID, mx, off @ 0200. Definitely here despite claim by DSWCI survey that this stn closed in March 1974 (444,8/8; Wootten-MD)
 4865 0230 PRC5 R. Clube do Pará:Port.w/mx, comls, ID (353,7/21; Lanoue-MA)
 4875 0950 ZYD66 R. Jornal do Brasil:Port.w/ID, tkl (333,7/14; Kolb-FL)
 4995 0315 ZYX2 R. Brasil Central:Port.w/US rock mx (454,7/24; Davis-CA) (333,2325,7/21; B. Raymond-MA) (333,0920,7/14; Kolb-FL) (343,0910,7/18; Lanoue-MA) (332,0915,7/28; Earhart-PA)
 6035 2300 ZYZ26 R. Globo:Port.w/trlk, electronic tones, mx (322,8/3; Zilmer-WI)
 6065 0850 PRL8 R. Nacional de Brasília:Port.w/LA mx, ID (433,7/14; Kolb-FL)
 6095 2315 ZYB7 R. Tupi (São Paulo):Port.w/trlk, mx, IDs (433,8/7; Zilmer-WI)
 6135 0802 PRC21 R. TV Gaúcha:Port.w/LA mx, IDs, ads (433,8/6; Zimarowski-MA) (443,1000,8/2; Zilmer-WI)
 6155 2345 ZYN29 R. Cultura da Bahia:Port.w/trlk (433,8/7; Zilmer-WI)
 6165 2325 ZYR58 R. Cultura, São Paulo:Port.w/local Brazilian music, talk (432,8/7; Zilmer-WI)
 9505 0850 PRB22 R. Record:Port.w/wake-up mx, ID @ 0900 (322,7/24; Jones-MS)
 9545 1015 ZYZ43 R. Universo:Port.w/trlk, music (232,7/18; Zilmer-WI)
 9595 0000 ZYN29 R. Cultura da Bahia:Port.w/trlk music (433,8/3; Zilmer-WI)
 9645 0930 ZYR77 R. Bandeirantes:Port.w/trlk, pop mx, IDs (353,7/18; Zilmer-WI)
 9675 1000 ZYT29 R. Diário da Manhã:Port.w/trlk, mx, ads (343,7/18; Zilmer-WI)
 9695 1043 ZYB61 R. Rio Mar:Port.w/pop type Brazilian mx, ads, ID (343,7/28; Earhart-PA) (444,1800,8/2; Rodriguez-PR) (333,2130,8/7; Zilmer-WI)
 9705 0955 ZYZ24 R. Mauá:Port.w/trlk, mx (343,7/18; Zilmer-WI)
 9745 2254 ZYE419 R. Cultura, São Paulo:Port.w/TENTATIVE logging of spts event but wiped out by Prague before ID (254,7/21; Moore-PA)
 11785 1100 ZYU61 R. Guaíba:Port.w/nx (343,7/31; Zilmer-WI)
 11805 0915 ZYZ36 R. Globo:Port.w/comls, mx (233,8/4; Dennis-IN) (333,0145,7/27; Zilmer-WI)
 11815 1515 ZYW24 R. Brasil Central:Port.w/ID, mx (233,7/28; Dennis-IN) 1515?
 11865 2215 ZYB85 R. Clube de Pernambuco:Port.w/soccer match coverage (433,8/4; Rodriguez-PR) (433,2315,8/4; Zilmer-WI)
 11905 0130 PRC23 R. TV Gaúcha:Port.w/trlk, mx, // 6135 (433,8/8; Zilmer-WI)
 11925 2300 ZYR78 R. Bandeirantes:Port.w/spts, under DW (422,7/21; Zilmer-WI)
 11935 1110 ZYS35 R. Clube Paranaense:Port.w/trlk, pop mx (342,7/28; Zilmer-WI)
 11965 0015 PRB24 R. Record:Port.w/trlk, spts coverage (322,8/4; Zilmer-WI)
 15135 2315 PRB23 R. Record:Port.w/trlk, mx, jingles (322,7/22; Zilmer-WI)
 15155 0025 ZYB9 R. Tupi (São Paulo):Port.w/soccer match coverage (422,8/2; Rodriguez-PR) (343,0235,7/26; Cleveland-CA) (444,0205,7/24; Miller-OH)
 15245 2154 PRL-R. Nac. de Brasília:Eng.w/trlk on history of flying, into Italian @ 2200 (454,8/5; Wootten-MD) (444,2130,8/5; Zilmer-WI)
 15415 0355 ZYR216 R. Clube Ribeirão Preto:Port.w/ID, nx, mx (Kaye-CT) (433,2250,8/3; Zilmer-WI)
 15445 1711 PRL8 R. Nacional de Brasília:Port.w/nx, tkl, mx (444,7/4; Chaffin-Cameroon) (333,2355,7/23; Buehler-MO) (342,2103,7/20; B. Raymond-MA) (434,2135,7/14; Kaye-CT) (333,1505,7/28; Dennis-IN) (353,2010,7/13; Lanoue-MA) (333,1449,7/28; Miller-OH)
 17815 0035 ZYE419 R. Cultura, São Paulo:Port.w/trlk thru QRN (222,8/4; Zilmer)

CANADA

5960 0345 CBC,Northern Svc.:Eng.w/trlk,nx(454,8/5;Singer-CA)(8/1;Davis-CA)
 5970 1248 Radio Canada Intl.:Eng.w/OM tlk,mx,nx (--4,7/16;Famularo-NJ)
 6005 1758 CFCX,Montreal:Eng.w/mx,nx,comls..Some fading (152,7/20;Paris-
 MI)(354,1825,8/3;Moore-PA)(--3,2020,7/13;Famularo-NJ)
 6070 0305 CFRX,Toronto:Eng.w/Old time music (433,8/3;Dennis-IN)(352,1905,
 8/4;Paris-MI)(433,0515,7/18;Cleveland-CA)
 6085 0100 Radio Canada Intl.:Eng.w/nx,cmntry (544,7/22;Scannell-MA)
 6135 0440 Radio Canada Intl.:Eng.w/DX pgm on longwires(333,8/11;Capili-HI)
 6160 1005 CKZN,St. Johns:Eng.w/nx,spts,wx,ID,aspirin ad(233,7/30;Moore-
 CKZU,Vancouver:Eng.w/nx,spts,wx,Duke Ellington (443,7/21; PA)
 6160 0702 Meehan-CA)(333,1405,7/19;Cleveland-CA)
 9480 0600 CBC,Armed Forces Svc.:Eng.w/nx,mx (454,7/26;Forth-IL)(444,0601,
 7/11;Meehan-CA)(444,0625,7/26;Gaede-CA)
 9755 0102 Radio Canada Intl.:Eng.w/nx,stock market report,sports nx,wx
 (444,7/24;Buehler-MO)(554,0100,7/19;Froemming-AR)
 11720 1705 CBC Northern Svc.:Eng.w/cl.mx.,ID w/freq (433,7/17;Beal-WA)
 (554,2315,8/7;Davis-CA)(--4,1805,7/9;Famularo-NJ)
 11990 2225 CBC Northern Svc.:Eng.w/trlk on auto factory in Newfoundland
 (544,8/6;Wooten-MD)(444,2200,7/22;Zilmer-WI)
 15325 1830 Radio Canada Intl.:Eng.w/nx,mailbag,DX pgm.(544,7/27;Paris-MI)
 17820 1830 Radio Canada Intl.:Eng.w/nx,pop mx,pgm for South Africa (354,
 7/18;Thompson-NM)(--4,1616,7/14;Famularo-NJ)

CHILE

9750 1030 CE975 R. Minerfa:Sp.w/ID,music(333,7/15;Earhart-PA)(443,1100,
 7/23;Zilmer-WI)
 15150 0030 CE1515 R. Nacional de Chile:Eng.w/Voice of Chile pgm,nx,cmntry
 (554,7/11;Thompson-NM)

CLANDESTINE

12080 2200 R. Euzkadi:Euz.w/anthem @ 2200 s/on,trlk,YL nx 2247 s/off
 with anthem (354,7/27;Davis-CA)

COLOMBIA

3280 0205 HJJU R. Meridiano 70:Sp.w/TENTATIVE logging of tlk mentioning
 Colombia,s/off with Colombian anthem (252,7/23;Moore-PA)
 4755 0858 HJKC Emisora Nuevo Mundo:Sp.w/CARACOL promos, campesiro pgm.
 (333,7/18;Lanoue-MA)
 4767 0224 HJJD R. Catatumbo:Sp.w/Colombian mx,IDs (232,8/6;Wooten-MD)
 4865 0700 HJLZ LV del Cinaruco:Sp.w/mx,tlks,CARACOL plug and network IDs
 (444,8/4;Kaye-CT)(222,0615,7/18;Trubee-HI)
 4905 0350 HJAG Emisora Atlántico:Sp.w/tlks,ID @ 0400 (343,8/5;Wallace-PA)
 4915 0425 HJSG R. Guatapurí:Sp.w/LA pop mx pgm (432,7/21;Rodriguez-PR)
 4945 0435 HJDH R. Colosal:Sp.w/OM ID, spts cmntry (343,8/3;Crews-FL)
 4955 0322 HJQC R. Nacional:Sp.w/trlk,LA mx,ID @ 0328 (343,7/25;Cleveland-
 CA)(222,1043,7/24;Eichenhorn-MI)(554,0412,8/3;Crews-FL)
 4965 0813 HJAF R. Santa Fé:Sp.w/lt. LA mx,IDs,TCs (443,7/31;Paris-MI)(434,
 0358,8/3;Crews-FL)(333,0130,7/28;B. Raymond-MA)
 (354,0345,7/24;Davis-CA)
 5010 0150 HJOX Emisora Cultural Surcolombiana:Sp.w/IDs,
 TCs,phone-in requests,bank ad (253,7/13;
 Moore-PA)(333,0133,7/25;B.Raymond-MA)
 5032 0053 HJOT Brisas del Citará:Sp.w/nice LA melodies,
 ID (333,7/26;Miller-OH)
 5075 0357 HJGC R. Sutatenza:Sp.w/MUNDO DE NOTICIAS pgm.
 (544,8/7;Lovett-OH)(342,0335,7/19;Cleve-
 land-CA)(423,0015,7/28;Scannell-MA)(333,
 1025,7/31;Trubee-HI)(--4,0345,7/24;
 Famularo-NJ)
 5095 0300 HJGG R. Sutatenza:Sp.w/Correspondence pgm (444,7/26;Rodriguez-
 PR)(554,0215,7/25;Davis-CA)(454,0900,8/6;Paris-MI)
 6065 1025 HJAX R. Super:Sp.w/trlk,Colombian music (433,7/26;Zilmer-WI)
 6095 0738 HJTW LV del Centro:Sp.w/ID,TC,LA music (443,8/6;Zimarowski-MA)
 (433,0714,8/1;Rodriguez-PR)(353,0730,8/4;Jones-MS)(443,0606,
 8/3;Meehan-CA)(344,0701,7/27;Lanoue-MA)
 6105 0714 HJNV R. Visión:Sp.w/TODELAR ID,LA mx pgm (554,8/1;Rodriguez-PR)
 6115 1015 HJIE LV del Llano:Sp.w/Colombian style mx (443,7/26;Zilmer-WI)
 6125 0750 HJKE R. Continental:Sp.w/LA mx,TCs,ID (433,8/6;Zimarowski-MA)
 6140 2329 HJNE R. El Sol:Sp.w/TODELAR pgm,no ID hrd so must be TENTATIVE
 (444,7/26;Lanoue-MA)
 6150 0503 HJ?? LV del Huila:Sp.w/ID,TC,mx (444,7/24;Forth-IL)(232,0430,
 7/23;Lovett-OH)(332,0435,7/22;Cleveland-CA)(423,1025,7/31;
 Zilmer-WI)

RADIO SANTA FE
 HJCG-ONDA LARGA-1.070 Kcs
 HJAE-ONDA CORTA-4.385 Kcs
 HJKI- F. MODULADA- 87.5 mc
 75.200 WATIOS DE POTENCIA

COLOMBIA (cont.)

6160 0725 HJKJ Emisora Nueva Granada:Sp.w/LA mx pgm (433,8/1;Rodriguez-PR)
 6170 0914 HJBJ LV de la Selva:Sp.w/comls,ID,LA mx (353,7/17;Jones-MS)(43
 (433,1030,7/26;Zilmer-WI)
 9635 1115 HJZM R. Nacional:Sp.w/mx,tlk,ID (353,7/15;Earhart-PA)

COSTA RICA

4832 0400 TIHB R. Capital:Sp.w/nx(444,7/22;Miller-CA)(554,0358,8/4;Crews-
 FL)(544,0455,8/1;Rodriguez-PR)(343,0505,7/18;Cleveland-CA)
 (322,0420,8/4;Levin-NY)(454,0304,8/8;Wootten-MD)
 5954 0606 TIQ R. Casino:Sp.w/sign off anmts (252,7/7;Trubee-HI)
 6006 1008 TIHB R. Reloj:Sp.w/LA mx,social calendar (443,7/23;Brooks-CT)
 (333,1109,7/23;Buehler-MO)(233,0255,8/1;Davis-CA)(444,0458,
 7/24;Gaede-CA)
 9645 0425 TIFC Faro del Caribe:Eng.w/rel pgm,ID (323,7/25;Forth-IL)
 12012 0540 TIHB R. Reloj:Sp.w/2x harmonic hrd w/LA mx (333,7/24;Gaede-CA)

CUBA

9525 0710 R. Habana Cuba:Eng.w/mx pgm (554,8/4;Gaede-CA)
 9550 2330 R. Habana Cuba:Sp.w/YL vocals (454,7/31;Davis-CA)(444,0125,
 7/13;Gaede-CA)
 11705 0430 R. Habana Cuba:Sp.w/concert mx (343,7/21;Trubee-HI)
 11725 0400 R. Habana Cuba:Eng.w/tlk on US monopolies,ID, music pgm (--4,
 7/16;Famularo-NJ)(333,0205,8/9;Eichenhorn-MI)
 11760 0300 R. Habana Cuba:Eng.w/VOICE OF VIETNAM pgm (544,7/24;Miller-CA)
 (444,0430,8/6;Gaede-CA)(444,0340,7/17;Cleveland-CA)
 11915 0228 R. Habana Cuba:Sp.w/ID,mx,while HCJB off (232,7/23;Lovett-OH)
 11930 0405 R. Habana Cuba:Eng.w/spts tlk,cmntry (555,7/13;Beal-WA)(--3,
 0155,7/12;Famularo-NJ)
 11970 0215 R. Habana Cuba:Eng.w/usual programming(242,8/7;Wells-NY) You
 sure this isn't 11960?? ejw
 15155 2103 R. Habana Cuba:Eng.w/Stamp collecting show (242,7/21;Meehan-CA)
 (--3,2010,7/23;Famularo-NJ)(444,2025,8/4;Paris-MI)
 17705 1800 R. Habana Cuba:Sp.w/NOTICIAS DE CUBA pgm(443,8/7;Wootten-MD)
 17735 1413 R. Habana Cuba:Sp.w/tlk,easy listening mx(322,7/19;Cleveland-CA)
 17855 1704 R. Habana Cuba:Fr.w/nx,tlk (--2,7/22;Famularo-NJ) //17885??
 17885 1812 R. Habana Cuba:Fr.w/tlk on a scientist (333,8/7;Wootten-MD)

DOMINICAN REPUBLIC

4825 0030 HIFA LV de las Fuerzas Armadas:Sp.w/classical mx,ID every 30
 mins. as"LV de las Fuerzas Armadas, radioemisora cultural"
 (444,8/6;Rodriguez-PR)(454,0015,8/11;Moore-PA)
 4850 0038 HIRL R. Clarín:Sp.w/CLARÍN INTERNACIONAL pgm (444,8/10;Kaye-CT)
 (433,0004,7/27;B.Raymond-MA)(544,0440,7/25;Lovett-OH)(554,
 0030,7/29;Rodriguez-PR)(333,0520,7/16;Cleveland-CA)(544,0310,
 7/13;Lanoue-MA)(--4,0311,7/22;Famularo-NJ)
 4929 0400 HIBE R. Mil:Sp.w/LA & US pop mx,ID,has slipped down 1 khz (444,
 8/7;Wallace-PA)(343,0330,7/25;Cleveland-CA)
 5030 0458 HIBB LV de Papagayo:Sp.w/ID,freqs,cl. mx (233,8/8;Forth-IL)
 6220 0128 HIAU LV de la Libertad:Sp.w/soft mx,IDs (343,7/13;Lanoue-MA)
 9505 0215 HISD R. Televisión Dominicana:Sp.w/mx pgm, QRM de BBC (434,8/2;
 Davis-CA)(333,0128,7/13;Lanoue-MA)

ECUADOR

3380 0513 HCRY4 R. Iris:Sp.w/Ecuadorian mx pgm (333,7/21;Rodriguez-PR)
 3390 0445 HCOT1 R. Zaracay:Sp.w/LA mx pgm,ID (454,8/2;Rodriguez-PR)
 4679 0440 HCWE1 R. Nacional Espejo:Sp.w/pop mx pgm,tlk(--3,7/16;Famularo-
 NJ)(443,0508,7/31;Rodriguez-PR)(343,0105,8/8;Wootten-MD)
 4765 0310 HCAJ2 CRE:Sp.w/romantic mx,nx @ 0330,ID (444,7/24;Moore-PA)
 4795 0300 HCAS4 LV de las Caras:Sp.w/nx,IDs,lt.&pop mx(243,8/3;Moore-PA)
 4800 0645 HCMB5 R. Popular Independiente:Sp.w/LA mx,TC after each disc
 (434,8/4;Kaye-CT)(443,0429,8/1;Rodriguez-PR)(243,0500,7/24;
 Davis-CA)(332,0946,7/18;Jones-MS)
 4820 0930 HCRT6 R. Paz y Bien:Sp.w/ID,mx,tlk (352,7/25;Jones-MS)
 4825 0515 HCAV3 R. Luz y Vida:Sp.w/Andean mx pgm (232,7/7;Trubee-HI)
 (444,0620,8/4;Kaye-CT)(433,1017,7/18;Zilmer-WI)
 4910 0350 HCMJ1 Emisora Gran Colombia:Sp.w/LA vocals,lt. music,tlks(244,
 7/24;Davis-CA)(131,0530,7/7;Trubee-HI)
 4923 0425 HCRQ1 R. Quito:Sp.w/LA mx,sign off @ 0430 (332,7/17;Cleveland-
 HCFS R. Federación:Sp.w/mx,tlk,noticias (322,8/8;Jones-MS) CA)
 4960 0132 HCVC3 R. Centinela del Sur:Sp.w/pop mx,ads (444,8/4;Kaye-CT)
 5020 0405

ECUADOR (cont.)

5064v 0245 HCEH3 R. Nacional Progreso:Sp.w/mx,occasional IDs by OM (344, 8/4;Kaye-CT)

EL SALVADOR

5980 0300 YSS R. Nacional:Sp.w/lt. mx pgm, ID every 15 minutes (423,7/18;Miller-CA)

FRENCH GUIANA

3385 0907 O.R.T.F. Cayenne:Fr.w/lt.&pop mx,anmts (354, 8/2;Moore-PA)

GALAPÁGOS ISLANDS

4810 0400 HCVG8 LV de los Galapagos:Sp.w/rel. tlk, mx (353,7/24;Moore-PA)(222,0415,7/24;Davis-CA)(232,0445,8/3;Earhart-PA)

GUATEMALA

3300 0345 TGNC R. Cultural:Eng.w/rel tlk,THROUGH THE BIBLE pgm (343,7/17;Thompson-NM)(343,0350,7/28;Rodríguez-PR)(433,0415,8/7;Crews-FL)

3360 0415 TGVN LV de Nahualá:Sp.w/spts,LA mx pgm (333,7/28;Rodríguez-PR)

3380 0230 TGCH R. Chortfs:Sp.w/many IDs,marimba music (343,7/24;Moore-PA)

GUYANA

3290 0232 GBS Action Radio:Eng.w/pop music, ID as "GBS Radio" (443,7/28;Rodríguez-PR)

HAITI

9770 1300 4VEH R.4VEH:Eng.w/rel. mx, ID, inspirational messages (333,8/4;Richmond-CT)(213,1135,8/5;Paris-MI)

11835 1350 4VEJ R.4VEH:Eng.w/rel. pgm (433,7/26;Cleveland-CA)(433,2125,8/4;Rodríguez-PR)

HONDURAS

4820 0420 HRVC LV Evangélica:Eng.w/rel. tlk (422,8/6;Kratter-NY)(333,0426,7/24;Eichenhorn-MI)

5875 0332 HRN LV de Honduras:Sp.w/nx,ads for CERVEZA IMPERIAL,FRESCA,and CAFE INDIO(353,7/16;Moore-PA)(332,0357,8/9;Eichenhorn-MI)

MEXICO

6115 2100 XEUDS R.Universidad de Sonora:Sp.w/gospel and pop mx mixed w/lt. cl. mx (554,8/15;Wilson-CA)(343,2220,8/5;Froemming-AR)

6165 0621 XEWV LV de América Latina:Sp.w/nx pgm, ID, s/off @ 0638 (333,8/1;Zimarowski-MA)

9705 0015 XERMX R. México:Sp.w/music pgm, ID (333,7/29;Buehler-MO)(544,0603,7/26;Porth-IL)(333,1411,7/28;Jones-MS)(454,1415,7/17;Cleveland-CA)(333,0535,8/1;Zimarowski-MA)(333,0415,7/26;Gaede-CA)

11740 2300 XEMP Rdfif XEMP:Sp.w/nx pgm (554,8/7;Davis-CA) How do they ID??

11770 0440 XERMX R. México:Sp.w/mx, into tlk (352,7/27;Earhart-PA)

15125 2330 XERMX R. México:Sp.w/music pgm, ID (444,7/16;Nebron-CA)

NETHERLANDS ANTILLES

6165 0200 R. Nederland, Bonaire:Eng.w/HAPPY STN pgm (433,7/21;Schilling-AR)(343,0205,7/9;Eichenhorn-MI)(554,0410,7/17;Gaede-CA)(454,0200,7/11;Thompson-NM)(444,0200,8/7;Wells-NY)

9590 0220 R. Nederland, Bonaire;Sp.w/ID, music (554,8/1;Davis-CA)(554,0200,7/9;Sridhar-INDIA)

9715 0630 R. Nederland, Bonaire:Dutch w/nx (554,7/15;Gaede-CA)(544,0500,8/4;Levin-NY)

11730 0708 R. Nederland, Bonaire:Eng.w/music pgm (333,8/4;Gaede-CA)

11785 2212 Trans World Radio:Eng.w/IS for European xmsn (333,7/23;Chaffin-

11815 0030 Trans World Radio:Eng.w/MUSIC AND YOU pgm (434, CAMEROUN)7/19;Froemming-AR)(444,0045,7/11;Sridhar-INDIA)(554,0122,7/11;Thompson-NM)(323,1211,7/20;Jones-MS)

15275 2145 Trans World Radio:Norwegian w/rel tlk (444,7/21;Singer-CA)

15350 0144 Trans World Radio:Sp.w/semi-classical mx, ID, IS (444,7/24;Miller-OH)(444,0138,7/10;Eichenhorn-MI)

15385 2135 Trans World Radio:Port.w/mx, ID, tlk (--3,7/20;Famularo-NJ)(454,2345,7/26;Thompson-NM)



H C 2 A J

1150 KLC

5:00 Values

H C 2 A K

4:55 KLC

2:00 Values

NICARAGUA

9580v 1330 YNTP R. Mar:Sp.w/inst. mx,IDs often,mention of "música de atlántica" (342,6/14;Brooks-CT) (322,1425,7/28;Jones-MS) (444 1639,8/2;Rodríguez-PR)

PERU

4788 0545 OAX8F R. Atlántida:Sp.w/tlks,some mx,ID (454,7/27;Lanoue-MA) (443,0426,8/1;Rodríguez-PR)
 4815 0405 OAX8E R. Samarén:Sp.w/many IDs,Tijuana Brass music,s/off @ 0445 (352,7/23;Moore-PA) (443,0437,8/1;Rodríguez-PR)
 4825 0447 OAX8R LV de la Selva:Sp.w/mx,sign off @ 0449(353,8/1;Rodríguez-PR)
 4995 0305 OAZ4C R. Andina:Sp.w/tlk,Andean mx (332,7/25;Cleveland-CA) PR
 5010 0250 OAX8V R. Eco:Sp.w/LA mx,ID,new R. Surcolombiana not heard since mid July (242,8/9;Wallace-PA) (432,0440,7/21;Rodríguez-PR)
 5025 1025 OAX7Q R. Quillabamba:Sp.w/tlk,local mx (443,7/18;Zilmer-WI)
 5040 0418 OAX2K R. Libertad:Sp.w/Andean music (342,7/16;Cleveland-CA)
 5050 0653 OAX8D R. Loreto:Sp.w/pop mx,ballads,no ID so must remain as TENTATIVE logging (333,8/4;Earhart-PA)
 5970 0130 OBX4Q R. El Sol:Sp.w/tlk,mx,ID (333,8/8;Zilmer-WI) (443,0435,7/16;Cleveland-CA)
 9595 0745 OAX4V R. América:Sp.w/ID,LA mx,jingles,QRM de NHK after 0758 (333,8/5;Crews-FL) (332,0325,7/25;Meehan-CA)
 9562 1125 OAX4R R. Nacional de Peru:Sp.w/Indian music,several IDs (444,7/14;Kolb-FL) (333,1130,7/28;Zilmer-WI)
 9675 1642 OAZ4L R. del Pacifico:Sp.w/rel. tlk,nx (444,8/2;Rodríguez-PR) (333,1115,8/6;Zilmer-WI)

VENEZUELA

3255 1000 YVQL LV de El Tigre:Sp.w/mx,anmts (211,7/31;Trubee-HI)
 3315 0330 YVLI R. Maracay:Sp.w/TENTATIVE logging of mx,ads,suddenly off (353,7/23;Moore-PA)
 3325 0631 YVRA R. Monagas:Sp.w/LA mx,ID (242,8/4;Earhart-PA)
 3365 0304 YVQP R. Puerto La Cruz:Sp.w/ID,TCs,local mx (353,7/14;Moore-PA)
 4770 0125 YVNW R. Bolívar:Sp.w/mx,ads,jingles,anmts (444,many nights; Wootten-MD) (443,1010,7/18;Zilmer-WI)
 4800 0245 YVMO R. Lara:Sp.w/ Cs,IDs,LA mx (444,8/5;Forth-IL) (333,0100,7/27;B.Raymond-MA) (433,1020,7/18;Zilmer-WI)
 4810 1005 YVMG R. Popular:Sp.w/tlk,mx (443,7/18;Zilmer-WI) (444,0203,8/8; Wootten-MD)
 4820 0928 YVTA R. Tricolor:Sp.w/ID,freqs.,into LA music at this s/on (343,7/24;Jones-MS) (444,0400 s/off,7/20;Rodríguez-PR)
 4840 0920 YVOI R. Valera:Sp.w/IDs,comls,promo anmts, (322,7/18;Lanoue-MA)
 4860 0330 YVQE R. Maracaibo:Sp.w/ID,TC after each disc (554,8/5;Crews-FL) (323,2200,7/20;Rodríguez-PR) (454,0310,8/8;Wootten-MD)
 4880 0400 YVMS R. Universo:Sp.w/OM tlk,ID,chimes (344,7/24;Davis-CA) (433,0125,7/16;Lanoue-MA)
 4890 0300 YVKB Radiodifusora Venezuela:Sp.w/US pop mx,IDs (453,8/3;Earhart-PA) (333,0330,7/23;Cleveland-CA)
 4900 0230 YVNK R. Juventud:Sp.w/lt. mx,singing (454,7/17;Thompson-NM) (342,0345,7/19;Cleveland-CA) (544,0356,8/7;Lovett-OH) (444,0122,7/28;B.Raymond-MA) (434,0318,8/8;Wootten-MD)
 4910 2221 YVNI R. Carora:Sp.w/ads,LA music pgm,TCs,IDs (333,7/20;Rodríguez-PR) (353,1005 s/on,8/10;Moore-PA)
 4940 1015 YVPA R. Yaracuy:Sp.w/mx,anmts (343,7/31;Trubee-HI) (333,0057,7/28;B.Raymond-MA) (332,0340,7/23;Cleveland-CA)
 4960 0310 YVAO R. Sucre:Sp.w/LA mx,Mexican Hat Dance (332,7/25;Cleveland-CA)
 4970 0330 YVLR R. Rumbos:Sp.w/ID,tlk (444,7/24;Davis-CA)
 4980 0350 YVOC Ecos del Torbes:Sp.w/LA music,ID,TC (555,8/3;Crews-FL) (344,0320,7/24;Davis-CA) (444,0135,7/28;Scannell-MA)
 4990 0033 YVMQ R. Barquisimeto:Sp.w/ID,LA mx (434,7/28;Scannell-MA) (554,8/3;Crews-FL) (444,0148,7/24;Lovett-OH) (344,0315,7/24;Davis-CA)
 5030 0405 YVMK R. Continente:Sp.w/pop mx,IDs (343,7/16;Cleveland-CA) (322,0139,8/5;Jones-MS)
 5050 0155 YVKD R. Mundial:Sp.w/lt mx, IDs,ads (453,7/18;Moore-PA)
 6000 1607 YVNL R. Sensación:Sp.w/LA mx,IDs,ads (333,7/15;Rodríguez-PR)
 6010 1555 YVSB R. Los Andes:Sp.w/mx pgm,IDs (343,7/15;Rodríguez-PR)
 6019 1000 YVWK R. Anzoátegui:Sp.w/IS,ID,tlk,mx (443,7/31;Zilmer-WI)
 11750 0045 YVRN R. Nacional:Eng.w/roving reporter,mx,nx (332,7/23;Brooks-CT) (8/6;Moore-PA) (8/8;Zilmer-WI) (8/8;Wells-NY)
 15390 0015 YVRO R. Nacional:Eng.w/tlk abt UN Sea Law Conference (222,8/6; (Forth-IL) (8/3;Thompson-NM) (8/6;Buehler-MO) (7/20;Eichenhorn-MI) (8/6;Wootten-MD) (7/29;Nebron-CA) (7/26;Zilmer-WI)

FLASH!!! XERH R. Tricolor reactivated on 11880 and 15110 (Estes, Jones, Ye Ed)

SWBC DX - EUROPE/AFRICA



Deadline: 15th
Times & Dates: GMT
Frequencies: kHz

Robert Butterfield
P.O. Box 398
Belmont, Massachusetts
02178 U.S.A.

-Europe-

ALBANIA

- 6200 0130 R. Tirana: Eng nx, tlks (354 8/3 Moore-PA);(353 0140 7/11 Thompson-NM);(545 0150 8/3 Butterfield-MA);(454 0230 8/7 Rogacki-NJ);(--4 0252 7/16 Famularo-NJ)
7065 0005 R. Tirana: Eng w/ comtry, ID © 0009 (333 7/29 Buehler-MO)
7300 0129 R. Tirana: Eng w/ IS, 0130 s/on, nx, ID, mx (444 7/30 Straumanis-IL);(222 0145 7/24 Buehler-MO);(433 0145 7/26 Maureen Raymond-MA);(--4 7/15 0350 Famularo-NJ)
9350 1250 R. Tirana: Eng nx, comtry, mx (555 7/25 Thompson-NM)

AUSTRIA

- 9770 0130 Osterreichischer Rundfunk: Eng w/ NA svc (434 7/12 Levin-NY);(343 0132 7/16 Straumanis-IL)

BELGIUM

- 6055 0040 Radiodiffusion Television Belge: Eng w/"Belgium Speaking" // 9655 (443 7/20 Zilmer-WI)
9655 2255 RTB: Eng w/ mailbag (443 7/18 Zilmer-WI);(444 7/22 Moore-PA);(333 2256 7/30 Straumanis-IL)
11855 2255 RTB: Eng w/ "Belgium Speaking" (422 7/19 Zilmer-WI)

BULGARIA

- 9700 1944 R. Sofia: Eng w/ DX tips, ID, into German (333 7/26 Smith-FL); (253 1950 7/26 Scannell-MA);(333 2130 7/26 Earhart-PA);(222 0000 7/11 Sridhar-INDIA);(344 0001 7/24 Maureen Raymond-MA);(252 0400 7/31 Capili-HI);(433 0402 7/30 Straumanis-IL);(--3 0402 7/14 Famularo-NJ);(343 0405 7/19 Cleveland-CA);(444 0415 8/3 Dennis-IN)



CZECHOSLOVAKIA

- 5930 0130 R. Prague: Eng w/ DX prgr (555 8/13 Rogalacki-NJ);(444 0145 7/16 Rodriguez-PR)
7345 0100 R. Prague: Eng nx (322 7/19 Froemming-AZ);(444 7/19 Yajko-PA);(353 0315 7/21 Thompson-NM);(444 0326 7/27 Guillaume-SD);(444 0335 8/9 Crews-FL)
9540 0100 R. Prague: Eng s/on, nx, comtry, mx (333 8/6 Buehler-MO);(444 0305 8/1 Pimblett-ALBERTA)
9655 0130 R. Prague: Eng prgr (555 8/13 Rogacki-NJ)
9740 0300 R. Prague: Eng w/ ID, nx, mx (353 7/18 Thompson-NM)
11990 0125 R. Prague: Eng nx, mx (555 7/31 Smith-FL)

DENMARK

- 9520 2257 R. Denmark: Eng/Danish w/ IS and IDs, into Danish prgr (343 8/1 Pimblett-ALBERTA);(433 2358 8/2 Zilmer-WI)
15165 1359 R. Denmark: Eng/Danish w/ IS and IDs, into Danish prgr (152 7/17 Straumanis-IL);(333 *1830 8/11 Bodell-OR);(433 2200 7/21 Levin-NY)

FINLAND

9550 1400 R. Finland: Eng nx (544 7/25 Rose-ENGLAND)
 15185 1400 R. Finland: Eng s/on, DX progr (444 8/13 Beck-OH);(555 8/9
 Ragacki-NJ);(322 1405 8/11 Kratter-NY);(333 *1800 7/16
 Rodriguez-PR)

FRANCE

15155 1040 Office de Radiodiffusion Television
 Francaise: Eng comtry (443 7/14
 Zilmer-WI);(353 1110 7/22 Compton-MA);
 (353 1100 7/26 Moore-PA)

GERMANY, EAST

7250 1754 Radio Berlin International: Eng mailbag to Europe (343 8/3
 Moore-PA)
 9730 0100 RBI: Eng nx (423 8/2 Zilmer-WI);(333 0304 Straumanis-IL)
 11840 0405 RBI: Eng mx progr (422 7/16 Levin-NY);(555 7/20 Thompson-
 NM.)

GERMANY, WEST

6040 0200 Deutsche Welle: Eng w/ mx, nx, songs (353 7/22 Thompson-
 NM);(454 0245 7/29 Jones-MS);(354 0250* 8/1 Davis-CA)
 6085 0510 DW: Eng w/ "Germany Today" (545 8/8 Singer-CA)
 9545 0130 DW: Eng nx, comtry (544 ??? Paris-MI);(--3 *0435 7/25
 Famularo-NJ);(555 0441 7/20 Smith-FL)
 9670 0120 DW: Eng nx, comtry (545 7/7 Sridhar-INDIA)
 9765 2108 DW: Eng nx (444 7/22 Scannell-MA)
 17765 1230 DW: Eng tlk to W Africa (233 7/26 Moore-PA)

GREAT BRITAIN

5975 2315 BBC: Eng w/ "World Radio Club" (544 8/2 Rodriguez-PR)
 7185 0300 BBC: Eng progr to Afr (323 7/8 Levin-NY)
 7325 0050 BBC: Eng mx progr (434 7/10 Yajko-PA);(343 0150 7/29 Davis-
 CA)
 9510 0005 BBC: Eng nx (444 8/4 Gaede-CA)
 9580 0220 BBC: Eng tlk about camels (333 7/21 Gaede-CA)
 9740 2302 BBC: Eng nx, comtry (444 7/17 Beal-MA)
 15205 1600 VOA, Woodferton: Eng nx (333 7/20 Paris-MI)
 15400 1300 BBC: Eng s/on, ID, TC (222 7/14 Eichenhorn-MI)
 17840 1430 BBC: Eng w/ soap opera (222 8/4 Gaede-CA);(353 7/29 1445
 Earhart-PA);(--3 1519 7/11 Famularo-NJ)

GREECE

7170 2346 VOA, Kavala: Eng progr w/ s/off and Kavala ID 0000 (343
 7/22 Maureen Raymond-MA)
 11845 0630 VOA, Kavala: Eng w/ nx (433 7/27 Forth-IL)

HOLLAND

6020 1828 R. Nederland: Eng w/ IS, s/on into European svc // 6085
 6085 1400 R. Nederland: Eng nx (555 7/25 Rose-ENGLAND)
 6165 0230 R. Nederland: Eng w/ mx (555 7/19 Froemming-AZ);(--4 0315
 7/19 Famularo-NJ);(555 0525 7/14 Beal-WA);(555 0210 7/24
 Smith-FL)
 9715 2130 R. Nederland: Eng w/ nx, comtry // 11730 (413 8/3 Rogacki-
 NJ)

HUNGARY

9833 0107 R. Budapest: Eng nx (444 8/2 Pimblett-ALBERTA);(343 0105
 8/8 Wells-NY);(333 0113 7/23 Maureen Raymond-MA);(--4 *0300
 7/21 Famularo-NJ);(444 0415 7/17 Cleveland-CA);(545 1615
 7/23 Crawford-SCOTLAND)
 11910 0300 R. Budapest: Eng nx (433 7/20 Zilmer-WI)

ITALY

9575 0100 Radiotelevisione Italiana: Eng s/on, nx, mx (433 8/8 Wells-NY)
 9710 1941 RAI: Eng nx (443 8/3 Miller-OH)
 11810 1930 RAI: Eng nx (337 7/24 Rose-ENGLAND)

INTERNATIONAL WATERS

6210v 0013 R. Nordsee International: Eng w/ rock mx (444 7/28 Rodriguez-PR);(333 0140 7/19 Lanoue-MA);(242 0157 7/20 Scannell-MA);(333 0210 8/6 Gavaras-MN);(353 0354 7/20 Smith-TN);(233 2005 8/3 Moore-PA)

LUXEMBOURG

6090 0058 R. Luxembourg: Eng w/ rock mx, best hrd 0000-0058 before RCI s/on (333 7/20 Scannell-MA);(434 0020 7/16 Rodriguez-PR)

MALTA

11795 2105 Deutsche Welle, Nigret: Maghreb lang w/ test transmission (444 7/30 Smith-TN)
 11865 2300 DW: Ger/Eng w/ IS, Ger & Eng ancmts of test into Ger prgr // 15225 jam (444 8/3-5-7 Seymour-NC)

NORWAY

9550 1400 R. Norway: Eng DX prgr (555 8/4 Rose-ENGLAND)
 11850 0202 R. Norway: Eng w/ nx, comtry DX prgr (433 8/5 Rodriguez-PR)
 11860 0405 R. Norway: Eng w/ "Norway this week", nx (444 7/22 Guillaume-SD);(422 0000 7/22 Zilmer-WI)

POLAND

6135 0200 Polish R.: Eng nx (222 7/21 Scannell-MA)
 9540 1620 Polish R.: Eng comtry, prgr in Eng ends 1630 (443 8/3 Miller-OH)
 11810 0300 Polish R.: Eng w/ fgy sked, nx, mx (322 7/19 Zilmer-WI)
 11815 0203 Polish R.: Eng nx (433 7/10 Yajko-PA);(433 7/19 Zilmer-WI);(222 0300 7/27 Miller-CA);(555 0425 7/20 Thompson-NM)

PORTUGAL

6025 0200 R. Portugal: Eng nx, comtry (353 7/19 Thompson-NM);(343 0230 7/29 Straumanis-IL)
 11935 0215 R. Portugal: Eng nx, mx, comtry (332 7/26 Cleveland-CA);(444 0216 8/1 Beck-OH);(444 0225 8/7 Wells-NY);(--4 0229 7/13 Famularo-NJ);(333 0230 7/24 Buehler-MO);(434 0400 8/3 Moore-PA)
 21495 0810 R. Portugal: Eng nx (544 7/28 Rose-ENGLAND)

**RÁDIO PORTUGAL**ROMANIA

9690 2100 R. Bucharest: Eng nx to Eur (444 7/22 Scannell-MA)
 9780 0414 R. Bucharest: Eng w/ ID, comtry, mx (444 7/20 Smith-FL)
 11940 0415 R. Bucharest: Eng w/ tlks, comtry (222 8/8 Singer-CA)
 15250 1500 R. Bucharest: Eng nx (444 7/7 Sridhar-INDIA)
 15380 0305 R. Bucharest: Eng comtry, ID 0315 (354 7/11 Thompson-NM)

SPAIN

6065 0130 Radio Nacional de Espana: Eng tlk (434 7/19 Yajko-PA);(333 0210 8/7 Wells-NY);(333 0347 7/29 Jones-MS)
 11925 0103 RNE: Eng nx (334 7/23 Dennis-IN);(423 0130 7/28 Miller-CA);(222 0200 7/24 Buehler-MO);(343 0225 8/7 wells-NY);(555 0300 7/19 Thompson-NM);(333 0310 7/11 Gaede-CA);(433 0323 7/19 Cleveland-CA)

SWEDEN

11755 0030 R. Sweden: Eng nx, commtry, SCDXers (422 7/31 Zilmer-WI);
(444 7/27 Thompson-NM);(323 7/31 Moore-PA)
11940 0230 R. Sweden: Eng nx (412 7/22 Zilmer-WI)
11955 0228 R. Sweden: Eng w/ IS, 0230 s/on w/ nx (332 7/26 Cleveland-
CA);(333 0230 7/23 Miller-CA);(242 7/21 Meehan-CA);(454 0245
7/19 Thompson-NM);(544 1830 7/9 Crawford-SCOTLAND)
17710 1400 R. Sweden: Eng SCDXers (444 8/6 Kannry-NY);(343 1410 7/17
Cleveland-CA)

SWITZERLAND

6120 *0145 SBC: Eng w/ nx, "Dateline" (454 7/31 Moore-PA);(444 8/2
Seymour-NC)
9535 *0145 SBC: Eng w/ IS, ID, ID, nx (433 8/3 Straumanis-IL);(443
8/6 Paris-MI);(444 0200 8/2 Fimblett-ALBERTA);(444 0205
7/21 Gaede-CA);(555 0215* 8/1 Davis-CA)
9725 0207 SBC: Eng tlk (434 7/19 Yajko-PA);(333 0430 7/17 Gaede-CA);
(344 0430 7/17 Cleveland-CA);(454 0500* 7/29 Davis-CA)
11715 0145 SBC: Eng nx (444 7/25 Miller-CA);(354 8/2 Moore-PA);(444
0435 7/29 Rodriguez-FR);(555 0450 7/17 Gaede-CA)
15140 1320 SBC: Eng nx (333 7/21 Eichenhorn-MI);(323 1324 7/20 Jones-
MS)
15305 *0145 SBC: Eng w/ IS, s/on, nx (555 7/10 Eichenhorn-MI)
15430 1529 SBC: Eng nx (544 7/13 Chaffin-CAMEROON);(422 2100 8/2
Zilmer-WI)
17030 1550 SBC: Eng intvw (222 7/21 Eichenhorn-MI);(544 1527 7/13
Chaffin-CAMEROON)

USSR, EUROPEAN

15100 0710 R. Moscow: Eng tlk // 12050 (333 7/23 Gaede-CA)
15405 0335 R. Moscow: Eng nx (222 8/3 Dennis-IN)

VATICAN STATE

9605 0100 R. Vaticana: Eng rel nx (433 8/2 Zilmer-WI);(333 0105 8/8
Wells-NY);(444 7/12 Levin-NY)
11705 2240 R. Vaticana: Eng rel mx (333 8/7 Moore-PA)
11740 2050 R. Vaticana: Eng nx (433 7/31 Zilmer-WI)
11895 0107 R. Vaticana: Eng tlks (454 8/2 Davis-CA)

YUGOSLAVIA

9620 2200 R. Belgrade: Eng nx (211 7/22 Scannell-MA)

-Africa-

ALGERIA

11715 2130 Radiodiffusion-Television Algerienne: Ar soap opera (444
8/7 Wooten-MD);(422 2350 7/31 Miller-OH)
11810 2145 RTVA: Ar chanting // 11715 (322 8/1 Zilmer-WI);(433 0554
8/8 Crews-FL)
11965 2248 RTVA: Ar w/ Kabyll folk mx (454 8/6 Wooten-MD)

ANGOLA

3355t 0510 R. Ecclesia: Port w/ orch mx, songs,
ads @ 0521, tlks (333 8/1 Earhart-
PA)
5061t 0515 R. Clube de Huambo: Port w/ tlk,
f/out at 0545 (222 8/7 Wallace-PA)

ASCENSION ISLAND

6005 0400 BBC, Atlantic Relay: Eng nx (323
7/28 Miller-CA)
9510 0100 BBC: Eng w/ Nixon's resignation
speech live (444 8/9 Straumanis-IL)



BOTSWANA

4845 0505 R. Botswana: Eng w/ BBC and African nx (211 7/15 Trubee-HI)

BURUNDI

4895 0416 R. Cordac: Swahili? w/ songs, string instruments (333 8/1 Earhart-PA);(121 0445 7/7 Trubee-HI)
6140 0330 La Voix de la Revolution: Kirundi w/ nat mx until BBC s/on 0400 (433 7/27 Giannini-IL)

CAMEROON

5010 0505 R. Garoua: U/lang w/ afro mx, IS w/ flute & drum (221 8/2 Rodriguez-PR)

CANARY ISLANDS

11800 0229 Radio Nacional de Espana, Tenerife: Sp w/ guitar mx // 15365 (444 7/24 Buehler-MO);(322 0430 7/16 Levin-NY);(444 0450 7/16 Cleveland-CA)

CHAD

4904.5 2227 Radiodiffusion Nationale Tchadienne: Fr w/ native mx, ancmts (343 7/13 Earhart-PA);(212 2230 7/20 Rodriguez-PR)

CONGO, PEOPLE'S REPUBLIC OF THE

4765 0434 Radiodiffusion Television Congolaise: Fr w/ band mx, tlk (333 8/5 Forth-IL);(343 0450 7/18 Cleveland-CA);(444 0455 7/30 Rodriguez-PR);(242 0534 8/4 Straumanis-IL)
15190 1930 RTVC: Fr mx, tlk (343 7/16 Bob Raymond-MA);(333 1940 7/20 Lanoue-MA)

EQUATORIAL GUINEA

4926 0540 R. Ecuatorial: Sp w/ tlk, afro mx, Bata mentioned (252 7/24 Moore-PA)
6250 2227 R. Santa Isabel: Sp mx, ID 2230 and national anthem w/ s/off (332 8/3 Gavaras-MN)

EGYPT, ARAB REPUBLIC OF

9475 0210 R. Cairo: Eng w/ Arabic mx (343 8/7 Wells-NY);(333 0215 7/27 Guillaume-SD);(544 0245 8/7 Levin-NY);(444 0250 7/11 Gaede-CA);(454 0254 7/9 Thompson-NM);(444 0315 Pimblett-ALBERTA);(333 0505 8/7 Crews-FL)
9805 2209 R. Cairo: Eng nx, commtry, ID (353 7/23 Smith-FL);(--3 2203 7/14 Pamularo-NJ)

ETHIOPIA

9590 0323 ETLF: IS w/ ID's in various langs (333 7/29 Pimblett-ALBERTA)
11795 0340 ETLF: U/lang w/ mx, ylk (444 8/4 Trubee-HI)
11900 1430 ETLF: Hindi w/ rel mx, songs (444 7/11 Sridhar-INDIA)

GABON

4777 0430 Radiodiffusion Television Gabonaise: Fr tlk (222 8/5 Forth-IL);(322 0440 8/5 Wallace-PA);(252 0504 7/14 Smith-TN)
5035a 0553 RTVG: Fr w/ afro mx, nx 0600, positive ID, mx (332 8/2 Rodriguez-PR)

GHANA

3366 0530 R. Ghana: Eng w/ songs, prgr ancmts, ads, mx, IDs (323 7/27 Earhart-PA)
4820a 0606 R. Ghana: Eng w/ local nx, ID, (444 7/27 Lanoue-MA)
4980 0530 R. Ghana: Eng rel prgr (353 7/24 Moore-PA)



GUINEA, REPUBLIC OF

7125 0650 Radiodiffusion Nationale: Fr tlk // 9650 (433 8/5 Earhart-PA)
 9650 0700 Rdiff Nationale: U/lang w/ ID in Fr, into lang progr (333 8/9 Crews-FL)
 11965 0435 Rdiff Nationale: Vern w/ mx (433 7/30 Bodell-OR)

IVORY COAST

11920 1815 Radiodiffusion Television Ivoirienne: Fr w/ afro mx into Eng nx @ 1845 (222 8/5 Moore-PA);(343 2133 7/23 Straumanis-IL)

LIBERIA

3990 0505 VOA, Monrovia: Eng nx (233 7/13 Moore-PA);(323 0600 8/4 Dennis-IV);(121 0630 7/27 Trubee-III)
 4770 0555 ELWA: Eng w/ IS, s/on, nx (333 7/29 Lanoue-IA)
 7195 0402 VOA: Eng nx (444 8/3 Dennis-III)
 7205 0000* VOA: Eng w/ s/off (434 7/29 Forth-IL)
 9555 1900 ELWA: Fr w/ ID, rel mx (253 8/5 Moore-PA)
 11940 2056 ELWA: Eng w/ nx, ID, addresses, 211 s/off w/ ID (243 8/9 Straumanis-IL)
 15445 2100 VOA: Eng nx (444 7/18 Thompson-III)

MALAGASY REPUBLIC

11740 1310 R. Nederland: Indonesian w/ nx, tlk, ID (322 8/1 Earhart-PA)

MALAWI

3380 0350 Malawi Broadcasting Corporation: Vern w/ afro nx, tlk, ID @ 0400 (222 7/24 Wallace-PA);(343 0405 7/13 Moore-PA)

MALI

4780 0630 R. Mali: Vern w/ mx, ancmts (433 8/2 Earhart-PA)
 5995 0655 R. Mali: Fr w/ instr mx, ID @ 0700, mx (333 7/27 Lanoue-IA)

MOROCCO

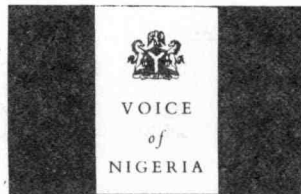
11735t 1859 Radiodiffusion Television Marocaine: Ar chants, ancmt @ 1900 (333 7/28 Bodell-OR)

MOZAMBIQUE

4890t 0455 R. Clube de Mocambique: U/lang w/ native mx (453 7/13 Moore-PA)

NIGERIA

3396t 0440 Nigerian Broadcasting Corporation, Kaduna: U/lang w/ tlk (323 7/24 Moore-PA)
 4990 2215 NBC, Lagos: Eng w/ cl & folk mx, ID 2230, TC, story, mx, nx 2300, 2305 s/off (343 8/12 Brooks-CT); (142 0427 TENT 8/7 Wallace-PA)
 6025 0430 NBC, Enugu: Eng w/ drum IS after R. Portugal s/off, fgy ancmts (232 8/1 Wallace-PA)
 6195 0500 NBC, Sokoto: Eng w/ ID, nx, native mx (333 7/24 Moore-PA)
 7275 *0545 Voice of Nigeria (NBC): Eng w/ IS of bells, drums, s/on 0600 (322 7/7 Pimblett-ALBERTA);(333 0548 8/8 Crews-FL); (433 0613 8/4 Dennis-III);(333 0735* 8/5 Earhart-PA)
 11770 0645 VON: Eng nx, IDs, comntry (444 8/7 Crews-FL);(333 7/14 Kratter-IV)
 11900 0600 VON: Eng nx, stock mkt report, f/out 0613 (544 7/14 Levin-IV) Quick f/out! rfb.



REUNION

2446 0231 Office de Radiodiffusion Television Francaise, St. Denis:
Fr tlks, 1t mx, "Radiodiffusion" hrd * 0240 (211 7/26
Wallace-PA)

RHODESIA

3396 0405 Rhodesia Broadcasting Corporation: Eng tlks, 1t mx, ID
C 0429 (333 7/24 Wallace-PA):(211 0450 7/30 Trubee-HI);
(232 0510 7/27 Earhart-PA)

RWANDA

7225 0436 Deutsche Welle, Kigali: Eng w/ s/on (323 7/27 Forth-IL)
11925 0108 DW: Eng progr (242 8/8 Wells-NY)

SENEGAL

4890 0603 Radiodiffusion de Senegal: Fr w/ Ar mx, tlk, nx, ID 0625
(333 8/1 Rodriguez-PR)

SOUTH AFRICA

3250 0155 SABC: Eng/Afrikaans mx & ads (454 8/6 Zilmer-WI);(343 0410
7/24 Wallace-PA);(333 0415 8/2 Gaede-CA);(444 0433 8/3
Bodell-OR);(433 0433 8/2 Rodriguez-PR);(343 0451 8/1
Earhart-PA);(342 0510 7/16 Cleveland-CA)
3980 0518 SABC: Eng ID, pop mx, ads (332 7/16 Cleveland-CA);(333 0525
7/29 Trubee-HI);(323 0227 8/4 Dennis-IN)
4875 0400 SABC: Eng w/ TC, ID, nx (332 8/3 Miller-OH);(333 0400 8/7
Crews-FL);(434 0400 7/26 Miller-CA);(333 7/17 Cleveland-CA)
21535 1525 R. RSA: Eng spts progr (322 7/13 Chaffin-CAMEROON)

SUDAN

9505 2200 R. Omdurman: Ar w/ chants, tllk (232 8/3 Gavaras-LIN)

SWAZILAND

6155 0510 Swazi Music Radio: Eng rock mx (343
7/27 Giannini-IL)

swazi
MUSICRADIO MW 1376 SW 04

TANZANIA

3339 0345 R. Tanzania-Zanzibar: Swahili nx (323 7/28 Giannini-IL)
4825t 0610 R. Tanzania: Eng w/ mx, local nx, no definite ID, nf that
has been rptd (222 7/27 Earhart-PA)

TOGO

5047 0539 Radiodiffusion du Togo: Fr w/ afro pops, DJ tlk, ID's as
"LV de la Nouvelle Marche" (343 7/28 Lanoue-MA)

UGANDA

5026 0415 R. Uganda: Eng tlk (322 7/27 Giannini-IL)

ZAIRE

4750 0445 R. Lubumbashi: U/lang w/ tlk, ID C 0500 (242 7/29 Trubee-HI)
7115 0320 La Voix du Zaire: U/lang w/ tlk, mx (433 7/7 Chaffin-
CAMEROON)
11865 1916 LV du Zaire: Fr w/ country, ID (444 7/16 Compton-MA)
15425 1954 LV du Zaire: Fr tlk, speech, tlk (343 8/9 Straumanis-IL);
(454 0326 7/7 Chaffin-CAMEROON)

Ciao! Wow! Out of room! Tnx to the 56 rpters this month and these 13
first timers: Jim "Kimo" Capili, Jim Davis, Gary Froemming, Tom Guillaume,
Greg Paris, Nigel Pinblett, Kyle Richmond, Stan Rogacki, Dave Samuel, Mark
Scannell, Larry Singer, Steve Wallace, Charles Wooten. Thanks again guys.
Let's see another great month next. 'Til then ...

73 Bob

ASIA-OCEANIA

MEL HICKMAN
 Editor, Asia/Oceania
 7409 S.E. 82nd
 Portland, Oregon 97266
 DEADLINE: 15th of the month



Frequencies in Kilohertz Time and Date GMT Deadline: 15th
 A = approximate L = listed M = measured T = tentative *0000 = S/On 0000* = S/Off

FREQ TIME SIO LOCATION

AFGHANISTAN

15190 1130 444 SCOT Radio Afghanistan: Eng nx, letterbox (Crawford 7/7)

BRUNEI

7215 1100 343 CA Radio Brunei: Chinese w/ID, Oriental mx, 1434* (Cleveland 7/18)
 1215 333 INDIA RB: Greeting prog with songs (Sridhar 7/6)
 1300 454 NM RB: Orchestral mx, nx, frequent ID (Thompson 7/12)

CHINA, P. R. OF

PLA = People's Liberation Army

2475 1230 252 CA Radio Hangchow: Mx prgm, YL ID (Sztot 7/13)
 2600 1130 353 CA PLA: Music, then cmtry by OM and YL (Sztot 8/5)
 3310 1315 243 CA Radio Changchun: Mx, tlks, ID by YL at 1315 (Sztot 7/14)
 3940 1130 243 CA Radio Hupai: Mx to 1130, then cmtry by OM (Sztot 7/14)
 4500 1300 222 CA Radio Urumchi: Mx prgm, under VNG (Sztot 8/10)
 4526 1240 444 CA Radio Silinhot: Drama in Mongolian-type lingo (Hill 7/11)
 4840 1400 253 CA PLA: YL and OM tlk, Mx, ID by YL, // 5240 (343) (Sztot 7/23)
 5163L 1100 243 CA Radio Peking: IS, OM and YL ID at 1101, then nx in Rus (Sztot 8/10)
 5270A 1200 252 CA RP: lang, 1156 IS, then in Eng w/nx by YL at 1200 (Sztot 7/13)
 6400 1119 232 CA PLA: Chinese cmtry, mentioned Nixon and Ford (Sztot 8/10)
 6955 1123 454 CA RP: nx by YL in lang (Indo?) (Sztot ??)
 7315 1408 333 CA RP: Eng nx, tlk on Cambodia, QRM de Moscow, 7310 (Cleveland 8/12)
 9780M 0330 333 CA RP: Eng tlks, orchestral mx, ID (Singer 8/8) This is Tirana. reb
 9860 1400 545 INDIA RP: Tamil cmtry on China's rivers (Sridhar 7/5)
 1525 342 CA RP: Eng tlks, // 15095 (211) (Cleveland 7/17)
 9965T 1125 232 PA RP: Chinese mx, then YL and OM annx in lang (Earhart 8/7)
 11600 0900 352 WI RP: Eng nx (Zilmer 7/18)
 11650 1230 342 WI RP: Lang, mx (Zilmer 7/31)
 1625* 434 CA RP: Lang, ID, S/off, IS (Wade Smith 7/12)
 11660 1630 434 CA RP: IS, ID, mx (Wade Smith 7/12)
 11685 1231 242 OH RP: Eng, ID by YL, nx read by OM (Miller 8/4)
 11695 0045 ??? MD RP: Eng tlks (Wooten ??)
 2044 343 CAMER RP: Eng nx, xmas to West and No Africa (Chaffin 6/27)
 15060 0345 344 NM RP: Letterbox, ID, // 15385, 17735 (Thompson 7/15)
 15095 1640 433 CA RP: Eng tlks (Nebron 7/12)
 15385 0300 433 CA RP: YL w/ World nx (Cleveland 7/19)
 15520 2335 354 PA RP: Span, tlk on doctors, mx (Moore 7/21)
 15550 0010 454 CA RP: Eng nx by OM (Sztot 8/11)
 17673 0015 242 MO RP: Mx by YL, mx, ID, Listener's mailbag at 0031 (Buehler 8/5)

CHINA, REP. OF

VOFC = Voice of Free China (Radio Taiwan)

3230 1230 354 CA BCC BED31: Chinese mx, 1230 ID by YL (Sztot 8/5)
 3990 1300 253 CA AFNT: Eng nx, wx, country mx prgm from Nashville (Sztot 7/13)
 7260 1300 333 CA BEC71: Chinese w/ Eng lesson, 1300 ID (Sztot 8/5)
 9685 2145 343 IL VOFC: Japanese, Chinese mx (Giannini 7/27)
 17890 0349 252 TN VOFC: VOFC ID by YL, sign off (Woody Smith 7/20)

CYPRUS

11955 0325 333 OR BBC: Limassol, Eng update on Cyprus situation (Bodell 8/15)

<u>INDIA</u>		<u>AIR = All India Radio</u>		
9530	????	343	CAMER	AIR: Eng nx by YL (Chaffin 7/2)
9575	1745	454	HA	AIR: Eng nx, cmtry on agriculture (Capili 7/30)
9705T	1240	333	PA	AIR: Tibetan?, Far East type mx, then tlks (Earhart 8/1)
9755	2002	544	CAMER	AIR: Eng w/mx, xmsn to West and No Africa (Chaffin 8/27)
11620	1801	242	MA	AIR: Eng nx, comment, mx, interview, press review (Lanoue 7/28)
	2200	443	WI	AIR: Eng nx, cmtry, local mx (Zilmer 8/2)
11710	2355	323	MD	AIR: Lang, folk mx, VOA Dixon S/On 0000 (Wootten 8/6)
11740	1945	433	SCOT	AIR: Eng press review, local mx (Crawford 7/6)
11810	1409	333	CA	AIR: Eng, World nx (Cleveland 7/17)

<u>INDONESIA</u>		<u>RPKD = R. Pemerintah Daerah Kabupaten</u>		<u>RRI = Radio Republik Indonesia</u>	
3433	1123	222	CA	RPDK, Kediri (?) : Indo tlks, mx (Hill 7/11)	
3524	1136	222	CA	RPDK (?) : Indo mx, tlks by OM (Hill 7/11)	
3528	1140	222	CA	RPDK: Indo mx, YL annx (Hill 7/11)	
3578	1145	333	CA	RPDK, Bangkalan or Situbondo: Indo tlks by OM (Hill 7/11)	
3893	1159	343	CA	RPDK, Surakarta: Pop vocal, Indo annx, tlks (Hill 7/11)	
3975	1330	232	CA	RRI, Surabaya: YL and OM cmtry, mx, 1315 ID (Szot 7/14)	
4089	1220	343	CA	RPDK, West Irian: Indo discussion by YL and OM (Hill 7/11)	
4719	1422	343	CA	RRI Ujung Padang: Lt mx prgm (Cleveland 7/17)	
4932	1402	333	CA	RRI Surakarta: OM w/nx (Cleveland 7/17)	
5987	1400	433	CA	RRI Manado: ID, then OM w/nx (Cleveland 7/22)	
9510	0820	343	CA	RRI Ujung Padang: Vocals, YL annx, ID, 0826* (Hill 7/13)	
11790	1147	252	TN	Voice of Indonesia: Easy listening mx, 1200* (Smith 7/25)	

<u>IRAN</u>		<u>VOI = Voice of Iran</u>		
9022	0035	444	OH	VOI: Persian mx, nx (Lovett 8/6)
	2300	???	MD	VOI: Arabic mx, tlks (Wootten ??)
15084	2010	444	NY	VOI: Farsi, YL tlks, mx, ID (Levin 7/21)

<u>IRAQ</u>		<u>RBI = Radio Baghdad International</u>		
9745	1930	343	OH	RBI: Eng, short mx interlude, Iraqi nx (Miller 8/3)
15440	1400	545	INDIA	RBI: Urdu, nx and film (Indian) mx (Sridhar 7/3)

<u>ISRAEL</u>		<u>IBA = Israel Broadcasting Authority</u>		
9009	0400	555	FL	IBA: OM ID, nx and cmtry (Grews 8/10)
	2130	342	WI	IBA: Tlk, mx (Zilmer 7/28)
9495	1900	444	SCOT	IBA: Eng nx review magazine (Crawford 7/9)
	2200*	332	NY	IBA: Mx, nx, S/Off (Levin 8/4)
9785	2135	333	NY	IBA: Fr, tlk on history of IBA, Israeli mx (Levin 7/13)
11700	1900	343	MD	IBA: Eng nx, "Jerusalem Calling", 1945* (Wootten 8/7)
11900	0245	222	NY	IBA: Russ prgm (Levin 7/15)
11920	0435	333	NY	IBA: S/On in Hebrew, Russ nx (Levin 7/20)
15100	1030	242	WI	IBA: Eng nx (Zilmer 7/19)
15105	1928	343	MA	IBA: Eng, tlk on Army, ID, letterbox (Lanoue 7/20)
15110	2000	232	CA	IBA: Eng, nx of the war on Cyprus (Miller 7/22)
15130	1030	332	WI	IBA: Eng nx (Zilmer 7/19)
15130	1055	333	PA	IBA: Mx to 1100, Fr ID, then tlk in Hebrew (Earhart 8/1)
15490	1900	555	NM	IBA: Nx, editorials, freq IDs (Thompson 7/16)
	1900	323	CA	IBA: Eng nx (Nebron 7/16)
	1900	443	NY	IBA: Eng nx, cmtry // 15300 (443) (Levin 7/21)
	1900	--4	IL	IBA: Eng nx and mx (Gately 8/6)
	1918	352	MS	IBA: Eng, OM and YL cmtry // 15100 (Jones 8/4)
	1920	454	FL	IBA: Nx, interviews, mx (Tom Smith 7/18)

<u>JAPAN</u>		<u>FEN = Far East Network (AFRTS)</u>		<u>NSB = Nihon Shortwave Broadcasting Co.</u>	
3910	1210	343	CA	FEN: Eng nx (Nebron 8/11), pop mx, 1351 ID (Cleveland 7/19)	
3925	1400	344	CA	NSB: Japanese tlks (Cleveland 7/19)	
6055	1045	433	WI	NSB: "Let's Learn Japanese" // 9595 (Zilmer 8/1)	
6155	1412	444	CA	FEN: High class mx (Cleveland 7/19)	
7140	0855	443	CA	Radio Japan: Test tone, IS, ID in JJ and Eng, new serv? (Hill 7/13)	
7165	1106	344	CA	VOA, Okinawa: Eng nx (Szot 7/13)	
9505	0700	444	CA	RJ: Nx in Eng (Gaede 8/4), 0800 IS, Eng nx (Szot ??)	
	0928	444	WA	RJ: Eng and Japanese S/On, Japanese prgm (Beal 7/130)	
	1800	555	NM	RJ: Nx and cmtry in Eng, 1815 Japanese (Thompson 7/11)	
9595	0730	444	CA	NSB: Japanese nx (Gaede 7/14)	
	1000	454	HI	NSB: Eng nx (?), ID (Capili 8/11) I think you meant 9505. reb	
	1211	343	OH	NSB: Japanese nx (Miller 7/28)	
9670	1631	242	CA	RJ: Eng nx (Meehan 8/3)	
9675	1145	433	WI	RJ: Eng nx (Zilmer 7/28)	

JAPAN (CONTINUED)

9700	1800	434	IL	RJ: German nx (Giannini 7/27)
11705	1500	545	INDIA	RJ: Hindi nx, mailbag (Sridhar 7/7)
	1635	444	CA	RJ: Eng nx, ID, cmtry (W. Smith 7/12)
11815	1400	555	CA	RJ: Eng nx, DX, Corner (Miller 7/21)
15105	0055	343	CA	RJ: IS, Eng nx (W. Smith 7/12), 0200 Eng, G.O.S. (Szot 8/10)
	0458	333	FL	RJ: IS, ID, then nx and cmtry (Crews 8/9)
	2000	424	NM	RJ: Eng nx, then into Japanese at 2015 (Thompson 7/11)
	2000	321	NY	RJ: S/On in Eng, then F/out, terrible QRM (Levin 7/21)
	2058	222	FL	RJ: IS, *2100, Eng nx (Smith 8/5)
	2100	322	NJ	RJ: Eng nx (Kratter 7/13)
15270	0020	444	WA	RJ: Eng nx and cmtry (Beal 8/9)
17825	0140	334	CA	RJ: Eng nx (W. Smith 7/10), 0630 IS, Swedish nx (Szot 8/2)

JORDAN

7155	2155	343	PA	Radio Jordan: Arabic tlks, Nat anth, 2207* (Earhart 7/13)
9530T	0915	232	PA	RJ: OM tlks, chanting, Eastern mx (Earhart 8/7)

KOREA, D. P. R.KCBS = Korean Central Broadcasting Committee

2600v	1125	333	CA	KCBS Wonsan: Korean tlks (Hill 7/13)
2765	1115	333	CA	KCBS Pyongyang or Kaesong: OM and YL in Korean (Hill 7/13)
3560	1209	253	CA	Radio Pyongyang: Eng cmtry by YL (Szot 7/17)
4700.5*	*1200	544	CA	Chosen Yonghe Hesang Pangsong Sil: Vocal march/anthem, "a weather station according to Japanese monitors" (Hill 7/13)
7404.5T	1107	232	PA	RP: lang tlks (Earhart 7/30)
7580	1340	433	CA	RP: Eng tlks, mx, 1348 ID, 1349* (Cleveland 7/18)
9820	1505	444	CA	RP: Fr tlks, classical mx (Cleveland 7/17)
9894.5	0830	555	CA	RP: Korean, 1030 Eng (Hill 7/14)
	0900	545	CA	RP: Eng nx (Nebron 7/5)
	1042	232	PA	RP: Eng nx, mx, Nat anthem, 1050* (Earhart 8/7)
9975	*1800	343	CA	R. Koong Mai, Eng w/YL nx cmtry, 2000*, *2000 Fr (Davis 7/29)
12105	0600	312	CA	RP: Eng cmtry, jammed (Miller 7/25)
15630	1342	333	CA	RP: Eng, march mx, 1348* w/ID, fqcies (Cleveland 7/22)

KOREA, REP. OFKBS = Korean Broadcasting System

9640	0900	454	HI	KBS: Eng nx, cmtry (Capili 7/28)
	1100	433	WI	KBS: Eng nx, cmtry, mx (Zilmer 8/1)
	1910	454	IL	KBS: Eng cmtry on 21st ann. of Korean armistice (Giannini 7/27)
11925	1400	222	CA	KBS: Eng tlks, mx (Miller 7/20)

KUWAIT

19415	1800	444	CAMER	Radio Kuwait: Pop mx, tlks (Chaffin 6/27)
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LEBANON

11965	*0230	433	WI	Radio Lebanon: Eng nx (Zilmer 7/20)
	0245	434	OR	RL: Cmtry by 2 YLs (Bodell 8/13)
15210NF	1843	252	MD	RL: Eng tlks, arabic mx, beamed to Africa (Wootten 8/7)

MALAYSIA

4985	0100	243	SRI LAN	Radio Malaysia: Eng nx (Peterson 7/24)
6195	1230	454	NM	BBC Tebrau: Eng w/popmx, nx, sports (Thompson 7/19)
7180	1230	343	NM	BBC Tebrau: Indo tlks, mx, 1300 ID (Thompson 7/12)
9740	1655	433	CA	BBC Tebrau: Eng newspaper review (W. Smith 7/11)
11955	1650	222	CA	BBC Tebrau: Eng prgm (W. Smith 7/11)
12045A	1000	222	WA	BBC Tebrau: Eng tlks, 1030 ID (Beal 7/20)
15310	1310	352	FL	BBC Tebrau: Eng, nx of Britain, ID (Smith 8/3)
	1350	343	CA	BBC Tebrau: Eng tlks on Cyprus // 9740, 11750 (Cleveland 7/22)
	1701	222	TN	BBC Tebrau: Eng nx (Smith 7/16)

PAKISTAN

11672	1750	???	MD	Radio Pakistan: Eng nx (Wootten ??)
11885	0435	434	HI	RP: Slow speed Eng nx, cmtry (Capili 7/30)
15115	0845	434	SCOT	RP: Native mx (Crawford 6/29)
15520	1530	352	PA	RP: Slow speed Eng nx, ID (Moore 7/16)
17910	0945	433	SCOT	RP: Lang, cmtry, ID (Crawford 6/29)

PHILIPPINESFEBC = Far East Broadcasting Company

6030	1400	333	CA	FEBC: Eng religious prgm (Cleveland 7/23)
6110	1059	242	OH	VOA: IS, nx (Miller 7/27)
7220NF	1132	454	CA	FEBC: Eng ID, ex 7225 // 11920 (Szot 8/10)

PHILIPPINES (CONTINUED)

7225 1230 555 NM FEBC: Religious prgm, 1245 ID (Thompson 7/9)
 9530 1135 555 CA VOA: Chinese (?), w/jazz mx (Gaede 7/21)
 9580 0825 454 HA Voice of the Philippines: Eng nx, mx, mailbag (Capili 7/15)
 0954 343 MS VOP: Pop mx, sked annx (Jones 7/22)
 1529 333 CA VOP: Eng, economic nx, ID (Nebron 7/8)
 9610 0840 341 CA DUH, PBS: Assumed ID, 0900*, poorly modulated (Hill 7/14)
 11890 0815 444 CA FEBC: IS, S/On in French (Hill 7/13)
 11920 0900 253 SRI LAN FEBC: Special bcst on parade // 11890, 21515 (Peterson 7/7)
 1130 433 MT FEBC: Eng lesson (Mullen 6/21)
 1130 233 PA FEBC: Eng lesson, mx, S/Off 1145 (Moore 7/26)
 1144 312 TN FEBC: Eng ID, then into lang (Smith 8/1)
 15440 2347 232 CA FEBC: Listener's Corner (Meehan 7/7)

SABAH

4865 1352 333 CA Radio Malaysia Sabah: YL annx, pop mx, ID (Cleveland 7/17)

SARAWAK

4835 1420 233 CA Radio Malaysia Sarawak: Lang, w/ mx, tlks (Nebron 7/7)
 5030 1340 454 CA RMS: Pop mx, 1345 ID, nx in Bidayuh (WRTH) (Cleveland 7/17)
 9604.5 0710 242 CA RMS: Mx, Eng annx by YL and OM, 0730* (Hill 7/13)

SINGAPORE

5010 1520 ??? CA Radio Singapore: Eng mx, ID (W. Smith 7/12)
 5052 1335 344 CA RS: Eng nx, ID (Cleveland 7/16)
 11940 1335 454 NM RS: Eng nx, IDs, soccer game, orchestral mx (Thompson 7/10)

SRI LANKASLBC = Sri Lanka Broadcasting Corporation

7110 0221 433 NY VOA: Hindi tlks (Levin 7/8)
 11725 1615 222 CA SLBC: Eng ID, religious prgm (W. Smith 7/12)
 15120 0200 322 WI SLBC: BBC nx, then jazz mx, pop mx (Zilmer 7/19)

SYRIAN ARAB REPUBLIC

9655 2038 353 TN Radio Damascus: Eng, pop mx (Smith 8/1)

THAILAND

7108 1355 332 CA Thai TV Co: Native and pop mx (Cleveland 7/18)
 7115 1348 243 CA Radio Thailand: Mx, w/chanting by OM, 1400ID (Szot 8/5)
 7863 1303 333 OR Bangkok Meteorological Radio: Pop mx (Bodell 7/29)

TURKEYVOT = Voice of Turkey

9515 0330 433 WI VOT: Tlks, chanting (Zilmer 8/6)
 11880 2144 433 OH VOT: French, w/nx, Turkish mx (Miller 7/150)
 *2200 333 NY VOT: Eng nx, letterbox (Kanny ??)
 2201 444 MA VOT: War communique, war news (Lanoue 7/20)
 0135 333 OH VOT: Unscheduled bcst in Eng then lang, w/military mx (Lovett 7/21)

UNION OF SOVIET SOCIALIST REPUBLICSASIATIC RSFSR

4030 1200 444 CA Radio Moscow HS (Anadyr): Classical mx, IS, nx (Szot 8/10)
 4610 1346 332 CA Radio Moscow (Khabarovsk): Cl mx, 1400* // 5015 (Cleveland 8/12)
 9540 1830 454 CA Radio Moscow (Petropavlosk?): Piano mx, IS (Davis 7/29)
 12050 0045 355 CA Khabarovsk relay of Moscow and Kiev: Ukr/ Eng (Davis 8/8)
 12240 2315 354 CA Radio Moscow (Magadan): Russ tlks by YL (Davis 7/31)

UNLOCATED

7310 1420 433 CA Radio Moscow: Russ vocals, tlks, QRM (Cleveland 8/12)
 11850 0632 353 HI Radio Moscow: Cmtry on labor, nx, ID (Capili 8/12)
 15180 0721 333 CA Radio Moscow: Eng, tlks on Siberian oil fields (Gaede 7/23)

VIETNAM, D. R. OFVOV = Voice of Vietnam

10040 1000 222 INDIA VOV: Eng nx, cmtry (Sridhar 7/5)
 1530 333 CA VOV: Eng nx (Nebron 7/9)
 11700 0338 434 NY VOV: Eng tlks (Levin 7/17)

VIET NAM, REP. OFVTVN = Broadcasting System of Viet Nam

4877 1400 343 CA VTVN: Viet, w/ID, mx (Cleveland 7/15)
 9620 1615 333 CA VTVN: Viet prgm (New time ?) (Gaede 7/13)



NOW JUST A DOG GONE MINUTE!!!! What's going on here? Hmrrrrrrrr!

The first four pages were brought to you by BOB BODELL who was filling in for Mel Hickman, who is out 'girl watching' someplace(His idea of summer DX). The next two pages are brought to you by DON JOHNSON who is filling in for Bob Bodell, who is out 'girl watching' someplace. Now....if I can just find someone to fill in for me.....

Seriously, he said, a tip of the hat to Bob for the FB job! Hopefully, Mel will be back next month. Meanwhile, back at the ranch.....

OCEANIA

AUSTRALIA

4920	0802	252	PA	ABC BRISBANE:EE news w/heavy static(MOORE 7/15)
	1348	444	CA	ABC:EE pop mx, 1350 ID, TC(CLEVELAND 7/17)
5995	1205	434	NM	RA:EE nx followed by orchestra music(THOMPSON 7/23)
	1110	???	MD	RA:Lyndhurst to West Pacific w/nx(WOOTTEN) Say there Charles, how about the date & quality?...dj Same time period also logged by:(SZOT CA 333 8/10) (BUEHLER MO 444)(BEAL WA 444)well heard X-country... (BUEHLER MO 444)(BEAL WA 444)well heard X-country...
6130	1602	433	CAM	RA:EE nx to SEA(CHAFFIN)thats Dr. David of CAMEROON..
6140	0958	252	MS	RA:EE w/weather report(JONES 7/19)(WOOTTEN MD)(1345 433 7/23 CLEVELAND CA)This is from PERTH.....
6150	1352	433	CA	ABC MELBOURNE:EE w/mx,ID,TC,nx @ 1355(CLEVELAND 7/23)
7235	1145	343	PA	RA:INDO w/apparent nx(EARHART)(THOMPSON NM 434 same)
9570	0715	555	CA	RA:EE w/l classics(GAEDE 7/10)Allan, there is no such thing as '555' on shortwave.Picky, picky,picky.
9580	1145	454	CA	RA:EE w/Kieth Glover,DX nx(NEBRON 8/11)
	1200	555?	CA	RA:EE 'DXers Calling' pgm(GAEDE 7/21)on a Sunday...
9610	1254	333	FL	ABC PERTH:EE mx, ID, nx(SMITH 7/28)(BUEHLER(343)MO) plus ½ doz loggings from CA,mostly good reception...
9660	0655	333	FL	ABC BRISBANE:EE pop mx,ID,TC,nx(CREWS 8/10)
9680	1205	353	TN	ABC MELBOURNE:EE news(SMITH 7/22)
	0815	333	CA	ABC:EE soccer match & results(GAEDE 7/13)
9770	1515	444	IND	RA:EE nx & cmtry(SRIDHAR 7/7)IND =INDIA folks.....
11710	1200	???	MD	RA:EE mailbox. To 9580 @ 1230(WOOTTEN)
11765	0810	333	FL	RA:EE ID,music,TC & nx @ 0815(CREWS 8/10)
11840	1800	133	PA	RA:EE IS, nx, rel pgm to Pacific(MOORE 8/4)(1820 sign/on to S PACIFIC,433 7/16 BEAL WA)??Hmrrrrrrrr...
	2000	444	CA	RA:EE w/newscast(GAEDE 7/18)



NOTE:For 19, 16, & 13 meter band fequencys, refer to any back issue SPEEDX. Little or no changes noted in these schedules....dj

NEW CALEDONIA

7170	0750	454	CA	R NOUMEA(ORTF):FF(w/EE mx),0802 ID, wx report(SZOT)
	1025	252	MA	RN:FF w/40's jazz, discussion(LANOUE 7/29)
	1037	454	PA	RN:FF,above average recep to 1102*(EARHART 7/30)
11710	0640	333	CA	RN:FF musical pgm(GAEDE 7/15)3 weeks for a QSL..dj

NEW ZEALAND

6080	0650	333	CA	RNZ:EE ID(MEEHAN 7/20)rather brief pgm details, hi..
	0815	333	WA	RNZ:EE classical mx, ID @ 0830(BEAL 7/15)
	0735	343	CA	RNZ:EE w/top pops in New Zealand(SZOT 7/13)
9520	0627	353	CA	RNZ:EE w/rock mx pgm(ugh...dj)..(SZOT)
9540	0600	343	CA	RNZ:EE nx(NEBRON 8/9)0630 music pgm(GAEDE 7/23)
	0625	545	CA	RNZ:EE w/big band mx(SMITH 7/11)Who? SPEEDX has no Smith in CA. Someone on vacation?.....dj
15110	0300	333	NY	RNZ:EE nx & mx(SEMKO 8/9)(0400 222 KRATTER NY 7/12)
	0310	444	NM	RNZ:EE mx contest(THOMPSON 7/12)(454 ZILMER WI)
17770	0455	243	CA	RNZ:EE music into news(MEEHAN 7/2)

PAPUA/NEW GUINEA

3305 1300 343 CA R WESTERN DISTRICT:EE s/off ID,1303 GSTQ. Difers to WRTH s/off of 1230(SZOT 7/14)Same noted in ELSINORE..

3322t 0917 222 PA R BOUGAINVILLE:Pidgin tks,mx,chants(MOORE 7/18)

3385 0950 253 PA R RABAU:EE/Pidgin,mx,EE nx 1000(MOORE 7/18)FB Don...

3925 1353 322 CA PNGBC:EE w/evening meditation,mx to 1400*(CLEVELAND)

0906 252 PA PNGBC:EE nx, //4890(MOORE 7/18)Good catch guys...dj

4890 0800 333 FL PORT MORESBY:EE ID, TC, nx(CREWS 8/9)FB FL QTH....

1256 555? NM PM:EE pgm,nx @ 1300.Best recp ever!(THOMPSON 7/11)

1042 332 PA PM:EE mx to 1100 nx(EARHART 7/31)

1315 443 WA PM:EE Australian nx,P/NG nx,ID 1310(BEAL 7/24)

1340 454 CA PM:EE w/pop music program(CLEVELAND 7/19)

9520 0730 333 CA PNGBC:EE ID "This is the National BC'ing Commission serving all the people of PNG"....0730 OM says 3925 in//...0745 OM states 4890 in //...(SZOT 7/13) FB!

TAHITI

9750 0515 222 CA RADIO TAHITI:This seems to be many SWLs

0625 333 CA RADIO TAHITI:favorite E-Z listening station.

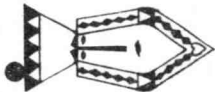
11825 0415 555? CA RADIO TAHITI:FF/Tahitian lang noted from

0620 434 CA RADIO TAHITI:coast to coast w/variety of

15170 0125 444 MO RT:music,native & US. Most report fair to

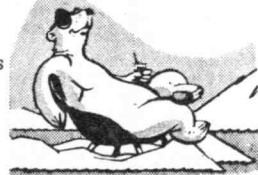
0340 555? NM RT:good reception from;CA,MO,NM,MD,FL,NY,

0400 444 FL RT:& HI...heard by these DXers Delux;
W SMITH,CLEVELAND,GAEDE,CREWS,SEMKO,SINGER,
BUEHLER,THOMPSON, WOOTTEN,& last but not
least...our new SPEEDXer from Honolulu reports
R Tahiti at 1845(455)w/Isl mx & EE news.(CAPILI HI)



DATELINE

ANTARCTICA.....Several New Zealand & Australian DXers report hearing a new AFRTS station on McMURDO SOUND. This station is apparently broadcasting live musical programs 24 hours a day(and all night too)on the off frequency of 6012.(from SCDX)....If you relocate your antenna slightly(say, to New Zealand)you might hear this new station...dj



HAWAII....SKIPPER THURMAN of Chicago phoned in the info that WWVH in Kekaha, Hawaii, is planning to reduce power from 10 to 5 KW on three frequencys, 5, 10, & 15 mHz. The info may be heard at four minutes past the hour over WWV..... This will have little or no effect on US SWLs.....dj



POWER or JUST WHAT WE NEED!....ISRAEL plans to build 4 new 300 KW transmitters....(SCDX)...so what else is new?...dj...Israel is now on summer time until October, so BC's are all one hour earlier then before.

MONGOLIA....R ULAN BATOR in EE daily except Sunday from 1220-1250 GMT on 15440 & 17780(closer to 17785...dj)also look for them at the same time on 8990. Other EE BC is 2200-2230 on 9540 & 11810(WWDXC)

BIP(BASIC INFORMATION PAMPHLET)may be the answer to your quest for knowledge. Noting how many SWLs report the SIO code as "555", I can strongly recommend BIP #3 "USING THE SINPO CODE" by Jack White. Other BIPs are:#1 "The Why & Wherefore of Verification" by Cedrick Marshall, #2 "Improving the Calibration & Tuning Operation of Receivers Having a Sliding Pointer Dial" by Bill van Schlaft, #4 "Basic SW Antennas" by Don Johnson(who?)....All are available from HQs for just a SASE each. Order the ones you need today. They are designed to help YOU.....dj



STATION SKEDS



SCHEDULE OF POLISH RADIO

EDITOR: Mark Koukol
Apartment E-1
1400 W. Lincoln Hwy.
De Kalb, IL 60115

BBC

DEADLINE: 15th

Well, here I am back at the typewriter again after a fantastic vacation. Thanks to those who sent their wishes, I hope all of you enjoyed your summers. Please note zip code: 60115, not 60540. The last time my new address was printed I goofed.

Argentina: RAE Buenos Aires sends this English sked-

Europe 2300-2350 11710

East N.A. 0300-0400 9690

West N.A. 0600-0700 9690

Africa 2300-2350 11710

Far East 0300-0400 9690

N. Pacific 0600-0700 9690

(Allan Gaede)

Brazil: Radio Nacional Brasilia has reduced its broadcasting time and languages for 15245 kHz. Now at 1900 in Portuguese, 2000 German, and 2100 in English. (Kenneth Earhart, Tom Smith)

Central African Republic: CAR Broadcasting, P.O. Box 940, Bangui sends from 0430-2300 daily "mornings and evenings" on 5035, "afternoons" on 7220 in Sango and French, according to recent QSL. (Ken Earhart)

Chile: From info received August 7, Voice of Chile broadcasts on 6190, 9510, 9590, 15150 in 7 different languages as follows-
Arabic: 2030-2050, 2250-2310, 0110-0130, 0330-0350, 0900-0920

Russian: 2050-2110, 2310-2330, 0130-0150, 0350-0410, 0920-0940

German: 2110-2130, 2330-2350, 0150-0210, 0410-0430, 0940-1000

Italian: 2130-2150, 2350-0010, 0210-0230, 0430-0450, 1000-1020

French: 2150-2210, 0010-0030, 0230-0250, 0450-0510, 1020-1040

English: 2210-2230, 0030-0050, 0250-0310, 1040-1100

Spanish: 2230-2250, 0050-0110, 0310-0330, 1100-1120

(Ken Earhart)

Hawaii: In an effort to save energy and cut operating costs, WWVH is considering dropping power to 5 kW on 5, 10, and 15 MHz. Listeners are invited to send comments on how this will effect their operations. Ed.- Some DXers and one large club (NASWA) consider time stations as SWBC, so am including this. (Thurman, Brandon Lovett)

Germany, Federal Rep.: Deutsche Welle sends this English sked to North America-

0130-0250 6010, 6040, 6075

0435-0555 9605, 9765

(Joseph Smith)

Israel: Ahhh, brings back fond memories. But I should have brought back a new sked also. Earl sends this one dated June. Note that from July 7 to October 12 Israel goes on Daylight Saving Time and all xmns are one hour earlier; I have adjusted this sked already.

IBA has English at-

0400-0415 7395, 9009, 9495,

10250, 11700, 12025,

15100, 15490, 17690

1030-1100 9009, 9495, 9785,

10250, 12000, 15100,

15130, 15490, 17690

1900-1945 7395, 9009*, 9495,

9815, 10250, 11700,

12025, 15100, 15490

(*)_ beamed to Africa

(Earl Chapman, Jay Levin, Brandon Lovett)

Malawi: Malawi Broadcasting Corp., P.O. Box 30133 Chichiri, Blantyre

3 sends on shortwave-

0257-1110 3380 100kW

0600-1613 5995 20kW

1300-2210 3380 100kW, 50kW

2005-2210 3380 100kW, 50kW

No explanation was given of the third & fourth lines. (Ken Earhart)

Pakistan: Radio Pakistan sends these slow-speed news bulletins, language not indicated (again)-

To Far East

0230-0245 17830, 15205

To East Africa

0430-0445 15325, 11885, 17830

To West Europe

1100-1115 15105, 17910

To Middle East

1530-1545 15520, 17845

To East Europe & Moscow

1745-1800 11672, 15325

Radio Pakistan also has these xmns, which an accompanying program guide indicates are almost all in

English-

To United Kingdom

1915-1945 9463, 11760

To South East Asia

2345-0045 9455, 11885, 15205

To India

0645-0815 9690, 15205, 15325,

17830, 17935

To Middle East

0500-0630 9690, 15332, 17830

1215-1517 9690, 15520, 17845

(Henry DuRant)

Philippines: Voice of Philippines, heard on 9580 August 7, announced sked as 0700-0954. (Jack Jones)

Sweden: Radio Sweden has this sked in English to N.A.-

0000-0130 on 11755; delete 11805.
Other times N/C(?-Ed.).(Joseph
Smith)

Vatican : vatican radio has these
broadcasts to North America-
0100-0115 5995, 9605, 11845(in
English)

0115-0130 5995, 9605, 11845(in
French to Canada)

(Joseph Smith)

LATE ITEMS

Finland: Radio Finland sends an
English sked effective from Sept.

1 to November 3-
To East & West North America

1400-1430 15185

0300-0330 9585

To Europe

1600-1630 9550

1800-1830 15185

To South America

2030-2100 15185

This was taken by me(Ed.) from a
handwritten report a bit unclear
so hope I got it OK.(Joseph
Kannry)

Sorry, but I used all the data
and we're still almost a page
short! During the summer period
things get a little scarce, but
I expect that to remedy itself
by October.

By the way, I wish to apologize
to all those who didn't get their
reports sent printed last month.
As you know Steve Handler did the
column for August, and I guess he
came up a bit short on time. As
indicated in the utility section
for August, Steve is in need of
an assistant editor for utility
reports. If you can help out, let
him know.

Conditions here are rather poor
for DX, but am catching up on
some "easy" stations I haven't
got around to reporting to yet.
There was one good morning when
I pulled up SIBS 3995, Timor
3668, Vietnam 7245, etc. but
haven't seen the likes of it since
then.

Radio Poland currently has a
quiz contest offering many prizes
and a free ten-day trip to Poland
on the top. Entrants are asked to
give an answer to at least one of
the following questions:(1) Which
cities in your country have direct
air links with Warsaw? Which air
lines maintain these links? (2)
Would you like to visit Poland?
If so, what itinerary would you
choose? Which Polish region or
city would you like to see and
why? (3) If you already visited
Poland- what were your impres-
sions of the stay?

A reply to at least one of
these questions will qualify the
entry to be considered for a lot-
tery draw of prizes. Entries are
requested to: Polish Radio, P.O.
Box 46, 00-950 Warsaw. Write the
word "Competition" on the envel-
ope and write no later than
November 15, 1974. Winners will
be announced in all external ser-
vice broadcasts on January 3,
1975. This from Radio Poland via
Earl Chapman.

Radio Tashkent is springing a
similar contest but with a lot
more rigor demanded. These are
due to be sent before September
20. Participants are asked to
write a story or an essay on the
Uzbek SSR. They must give the
year the Uzbek Republic was for-
med, describe its state flag and
coat of arms, write what they know
about Tashkent, the achievements
of the republic in economy and
culture, give noteworthy facts
of friendship and cooperation
between their country and the So-
viet Union, including Uzbekstan.
Thought that was it? Nope, these
two questions also must be an-
swered: (1) With what foreign
cities is Tashkent linked by air?
(2) What tourist centers in Uz-
bekistan do you know and what are
they distinguished for?

Your editor is stumped on the
first question, at least from
where he abides at the moment,
but those willing to do the re-
search can write to Radio Tash-
kent, Quiz Programme, Tashkent,
Uzbek SSR, USSR. First prize
is a ten-day trip to Soviet Uz-
bekistan. Second prize is a trans-
istor set, two third prize wrist
watches, and other consolation
prizes like record albums and o-
ther souvenirs. The chance of
winning is something less than
100%, but a trip to Uzbekistan
is also something more than a
routine vacation so why not try.
Entrants are also asked to state
clearly their name, address, age,
and profession.

The above data came from Radio
Tashkent via Alan Brooks.

In closing I want to remind
you to please put your name on
each item you send in, especially
station sent skeds, so I can iden-
tify them when they are separated.
Your cooperation is appreciated.
All of you take care and I'm
looking forward to your reports,

73s Mark

UTILITY REPORT



STEVEN J. HANDLER

1270 Carol Lane
Deerfield, IL. 60015

Deadline: 13th of the month

Last month I indicated I am looking for an assistant editor. The reason for this is simple, I need help in order to be able to do a top notch job for this column. Since the beginning of Speedx, the Utility Section has grown from a handful of supporters to over 30 regular contributors. Thus the number of loggings and QSLs reports that I receive is mind boggling. For each logging I use, there are three others that I do not have room for. I try to give first preference to Loggings and QSLs, however I also feel that news and an occasional article is important.

Next month I will announce a "New Look" for this column. I will also announce who the new Assistant Editor will be. In the mean time, I am still interesting in hearing from you if you are intested in the job. A final selection will not be made until September 10th.

Now on to the loggings:

NORTH AMERICA

ALASKA:

2670	0910	USCG Kodiak w/EE/WX/BC AM (Trubee)
2980	0655	Anchorage Radio (Volmet) w/EE/AM/WX/BC (Trubee)
8903	0555	Anchorage Radio, same as above
8938	0605	Anchorage Radio, working Korean A/L 803 in EE (Trubee)
13344	0725	Anchorage Radio, same as 8903

BARBADOS:

16947.6	1920	Cable & Wireless, St Philip w/CW/MKr (Straumanis)
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BERMUDA:

8718.4	2247	VRT-Bermuda Radio (Cable & Wireless) w/CW/V-mkr (Schilde)
13500	1240	Cable *Wireless, St Georges, w/EE/VM/LSB (Moore)

CANADA:

2582	2044	Montreal Radio w/EE/trf/SSB (Testa)
2980	0330	Halifax Radio w/EE/trf/SSB (Testa)
5688	0706	Canadian Forces Net, Pumprill working Hill Topper 730 EE/OM/USB (Chabak) (This is an announced freq. and mode)
7335	2338	CHU-Ottawa w/EE/FF ID and time signal in E.S.T. (Chaffin)
8280	0445	CYWK-"Endeavor" w/EE/working Vancouver Radio, SSB (McLain)
8870	2229	Gander Aeradio w/EE/WX/AM/BC (Moore)
11209	1340	Edmonton Military, w/EE/OM/trf with Trenton Military SSB (Chabak)
10100	0405	C.O.T.C.-Drummondville, w/EE/AM/VM (Levin)
13265	1320	Gander Aeradio w/EE/WX/BC/AM (Moore)

CANAL ZONE:

7358	0528	NONNG, US NAVY MARS, Balboa w/EE/OM/SSB/trf (Chabak)
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COSTA RICA:

13100	2152	TIM-Limon Radio w/V-mkr/CW (Schilde)
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CUBA:

7435	0245	IRTS-Habana w/EE/SS/YL/AM/VM (Miller)
7458	0630	IRTS-Habana w/LSB/SS/VM (Trubee)
7935	0953	IRTS-Habana w/EE/SS/YL/VM/SSB (Chabak)
12225	2048	IRTS-Habana w/EE/VM/SSB (Testa)
13470	1638	IRTS-Habana w/EE/SS/VM/AM (Moore)
14400a	1643	IRTS-Habana w/EE/VM/YL (Thompson)
14505	1715	IRTS-Habana w/EE/SS/YL/VM/RCUSB, CML38 (Griffith)

DOMINICAN REP.:

8959	2117	Santo Domingo Aeradio with Miami Aeradio, USB (Simon)
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GUANTANAMO BAY:

6723	0203	Raspberry G'mo working JQ and J4 AM (Koret) This is US Naval Air Stn!
6723	0905	Raspberry Guantanamo (US NAVAL AIR SPN) with trf w/Mustang SSB (Chabak)
11220	1210	AACR w/VM/OM/AM (Forth)

JAMAICA:

5696 0445 Coast Guard Radio,Kingston w/USCG Miami, SSB OM (Chabak)
8955 2225 Kingston Aeradio w/EE/SS trf AM with Aircraft & Miami (Moore)

MEXICO:

12778.5 2020 XFL-Mazatlan Radio w/CQ mkr/CW (Straumanis)

PUERTO RICO:

13750 0025 AACR-San Juan,WVL63 w/EE/trf/LSB to NYC (Dawson)

UNITED STATES OF AMERICA:

2182 0519 USCG Cutter Point Bridge w/EE/trf to Long Beach CG AM (McLain)
2182 2100 KOW-Seattle w/EE/trf/AM/YL working Fishing Vsle AM (McLain)
2182 USCG Cutter Point Hobart w/EE/trf working Long Beach CG (McLain)
2182 0531 NMR-San Juan (this is P.R.) w/EE trf to disabled ship AM (McLain)
2182 0519 USCG Cutter Gallatin (WHEC 721) w/EE/AM (McLain)
2182 0416 USCG Cutter Point Ledge w/EE/ID only/AM (McLain)
2182 0309 USCG Cutter Point Roberts NFDU w/CG Mayport AM (Koret)
2662 0109 USCG Cutter Wire working CG Cape May (Simon)
2670 0357 NMP2-USCG Woods Hole w/Fishing Vsle AM (Simon)
2702 0039 USCG Chincoteague w/CG Ocean City AM (Koret)
2702 0039 USCG Ocean City with USCG Chincoteague (Koret)
2716 2323 U.S.S. ALBANY (CG-10) w/Norfolk Tug Control AM (Koret)
2716 0227 U.S.S. HOIST (ARS-40) w/Norfolk Control AM (Simon)
2716 0153 U.S.S. VALLEJO w/Norfolk Control USB (Simon)
2716 2339 U.S.S. McCANDLESS w/Norfol Control AM (Koret)
2716 2347 U.S.S. MOSOSPELEA w/Norfolk Control AM (Koret)
2716 0441 U.S.S. PUGET SOUND w/Tug Control AM (Koret)
2716 0520 U.S.S. SYLVANIA w/Tug Control AM (Koret)
2980 0705 Oakland Volmet w/EE/WX/AM (Trubee)
2716 0728 U.S.S. ROBERT H. MCGARD (DE-1078) with U.S.S. JOSEPH HEWES (DD-822)AM (Simon)
2716 1007 U.S.S. TREPANG (SSN-674) w/NY Control AM (Simon)
3001 0410 New York Aerado w/WX/AM (Moore)
3163 1137 Abnormal 10, working Adola 21 , LSB/EE/OM also 5700 USB (Chabak)
4495 1052 Parkway (SAC) w/Payroll SSB freq. Echo (Chabak)
4580 0435 AIR-USAF MARS Andrews AFB w/EE/OM/trf/ w AG5AA SSB (Chabak)
4746 0710 McClellan AFB w/EE/AM/trf (Trubee)
5000 0425 WWV w/EE time signals (Gaede)
5015 1340 WH510-Harlam Dam,Nebraska w/EE/OM/trf w 541-Pomona SSB (Chabak)
This is US Army Corps of Engineers, WUH510!
5095 1300 Speed Control w/EE/YL/trf on Foxtrot Echo SSB (Chabak)
5747.5 0540 VOA-Greenville w/PTP Fixed Feeder Relay of Prgms (Kratter & Gaede)
5652 0132 WSY70-NY Radio w/ EE Volmet repts by OM (Schilde)
5696 1100 USCG CUTter Rush WHEC723 w/trf w/USCG Kodiak,AK SSB (Chabak)
5696 1200 USCG Chicago Air-NOH w/EE/OM/trf w-1464 SSB (Chabak)
6762 0152 Retail (SAC)Barksdale AFB w/EE/trf on Quebec (Straumanis)
6873 0710 VOAw/EE/FF/BC Fixed feeder (Trubee)
7565 1151 USAF Comm. Service-AFA Andrews AFB w/EE/OM/SSB Count MKR (Chabak)
9145 1137 Unicorn w/EE/OM/Count VM/SSB (Chabak)

SOUTH AMERICAARGENTINA:

10367.5 0129 ENTEL-Buenos Aires w/SS/YL/VM/SSB (Chabak)
10875 1040 Trans Radio Int'l Buenos Aires w/SP/YL/VM/SSB (Chabak)
11319 2320 Ezeiza Aeradio (Buenos Aires) w/SS/OM/WX BC/AM (Koret)
19140 0241 ENTEL-Buenos Aires LSQ25 w/SS/YL/VM/SSB (Chabak)
20733½ 2040 LQA22-15x,Mt Grande,BA w/EE/test,RTTY/66wpm/425khz shift (Green)
20810 0128 LTQ37-Hurlingha, w/SS/VM/YL/RCUSB (Griffith)

BRAZIL:

8080 0310 ZYK-Belem w/RTTY/66wpm/850khz shift,
10640 0242 PVX-Sepetiba w/PP/EE/YL/OM/VM/USB (Dawson)
11070.5 0355 EMBRATEL-Rio de Janeiro w/EE/FF/PP/OM/VM/RCUSB (Griffith)
13366 0230 PPN9-Rio de Janeiro w/CW CQ-Mkr (Griffith)
13924½ 0250 PWB-Belem w/CW clg PWZ (Griffith)
14690 0053 EMBRATEL-Rio w/EE/FF/PP/VM/OM/YL/SSB (Chabak)
16427 2312 ZWRJ-Rio de Janeiro w/CQ mkr CW (Griffith)

CHILE:

15865 2138 ENTEL-Santiago w/MM/ISB/Mkr CEC2B (Griffith)

COLOMBIA:

6540 0105 Bogota Radio w/EE/AM wkg w/906 (Greenall)
 8959 2326 Barranquilla Aeradio w/EE/AM wkg Kingston (Greenall)
 8955 2220 Bogota Aeradio w/EE/SS/trf AM (Moore)

GUYANA:

5484 0441 Georgetown Aeradio w/EE/AM traffic (Greenall)
 8959 0313 Georgetown Aeradio w/Maiquetia Aeradio AM (Koret)
 16454 2139 8RB78-C & W Ltd Georgetown w/EE/OM/VM/SSB (Chabak)

MARTINIQUE:

12825 2045 FFP7-Fort-de-France w/CW/Cq Mkr (Schilde)
 14815 2250 FTS-Fort-de-France PZF49 w/FF/YL/USB/VM (Koret) same 2005 (Chabak)

NETHERLANDS ANTILLES:

4334 0345 PJC-Curacao calling PCH4 w/CW (Greenall)
 13042½ 2339 PJC-Curacao Radio, Willemstaf w/CQ Mkr/CW (Schilde)

PERU:

8826 0514 Lima Radio- SS/AM/BC trf (Trubee)
 16295 0030 OAG2-Limatambo Lima w/EE/RTTY/66wpm/425hz shift ()

PARAGUAY:

7655 0136 ANTELCO-Ascunio n w/EE/SS/VM/YL/SSB (Chabak)
 7985 0841 ANTELCO-Asuncion w/EE/SS/VM/YL/SSB (Chabak)
 9985 0131 ANTELCO-Asuncion w/EE/SS/VM/YL/SSB (Chabak)
 10415 0155 ANTELCO-Asuncion w/EE/SS/VM/YL/RCUSB ZPG4 (Griffith)
 13605 0157 ANTELCO-Asuncion w/EE/SS/VM/YL/RCUSB ZPG36 (Griffith)
 14475 2330 ANTELCO-Asuncion w/EE chirpy CW v mkr (Greenall)
 14580 0915 ANTELCO-Asuncion w/YL/SS/VM/USB ZPG45 (Hardester)

SAN ANDRES:

6540 0122 San Andres Aeradio w/EE/AM calling Panama (Greenall)

SURINAM:

5484 0432 Paramaribo Aeradio w/EE AM traffic with Piarco (Greenall)
 12295 2340 PZP-Zanderij w/EE/trf RTTY/660wpm/850hz shift
 13046 2055 PZN-L.T.T.-Para,aribo w/CQ mkr/CW (Greenall)

URUGUAY:

9164 0105 La SENAL-Montevideo CXL23 w/SS time signals/VM/YL/RCUSB (Griffith)
 10770 0522 GERENCIA-Montevideo w/EE/SS/OM/trf with Costa Rica SSB (Chabak) (Dawson)
 13614 0220 La SENAL-Montevideo w/SS time/VM/YL/RCUSB (Griffith)
 17208,8 2115 CWA-Cerrito w/v mkr/CW (Greenall)
 18183½ 2059 PTT-Montevideo w/EE/USB/trf to NYC (Dawson)
 18190 1935 PTT-Montevideo CXL31 w/SS/trf/USB to NYC (Dawson)

VENEZUELA:

6100 0615 YVTO-Observatorio Cagigal-Caracas w/time sig/SS/ann on minute by OM (Zank)
 6540 0059 Maiquetia Aeradio-Caracas w/EE/trf w/San Juan Aeradio AM (Greenall)
 12817½ 2135 YVG-La Guaira w/CQ mkr/CW (Greenall)

AFRICA:ALGERIA:

16050 0945 PTT-Algiers w/FF/VM/OM/USB (Schilde)

BRUNDI:

17435 0653 PTT-Bujumbura w/EE/FF/VM/OM/USB (Schilde)

CAMEROUN:

9045½ 1952 CAMEROUN INTEL CAM TJF90 w/EE/FF/YL/VM/LSB (Simon)

CAPE VERDE IS:

6509 0005 Sao Vicente Radionaval XXU26 w/CSAA/CW/Mkr (Greenall)

CHAD:

11608 0320 FCR-N'Djamena TTZ6 w/EE/FF/VM/YL/RCUSB (Griffith)

CONGO:11477 $\frac{1}{2}$ 0635 OTIC-Brazzaville TNH4 w/EE/FF/VM/OM/RCUSB (Griffith)
15745 0612 Ptt-Brazzaville w/EE/FF/VM/OM/USB (Schilde)DAHOMEY:

13535 2005 FCR-Contonou TYK35 w/EE/FF/YL/VM (Klaus Fisher)

ETHIOPIA:10045 0210 IBOT- w/Lang/EE (Kelley)
10835 0059 ETJ84-IBOT-Addis Ababa w/EE/Amharic/VM/OM/RCUSB (Schilde,&Griffith)
17495 2305 ETQ50-IBOT-Addis Ababa w/EE/Amharic/VM/OM/RCUSB (Griffith)GUINEA:

20655 0917 PTT-Conakry w/EE/FF/VM/YL/USB (Schilde)

IVORY COAST:

7570 0645 INTELCI-Abidjan w/FF/EE/VM/YL/SSB (Chabak)

KENYA:

19328 1820 EAETC-Nairobi w/EE/OM/VM/SSB (Greenall)

LIBERIA:13935 0200 ELA23-LTS Monrovia w/trf RCUSB to NYC (Griffith)
14605 1151 ELE14-US Liberia Radio,Harwel w/CW V-mkr (Greenall)
16159 0040 KKN44-U.S. Embassy,Monrovia w/QRA mkr/CW (Griffith)LIBYA:5505 0345 Tripoli Aeradio w/EE calling Benina on SSB (Greenall)
8959 0045 Tripoli Aeradio w/Alitalia 868 AM (Koret)MALI:

18295 0947 TZA218-Telecom International-Bamako w/EE/FF/VM/YL/USB (Schilde)

MOROCCO:10413 0310 CNO57-Casablanca w/RTTY test/66wpm/850hz
17690 2104 CNL-Fanfare USNAVCOMSTA-Kenitra w/SSB/EE/OM/VM (Greenall)REUNION IS:

10905 1615 FZS9-FTS St Denis w/FF/VM/YL/LSB (Griffith)

RWANDA:

11485 0025 Service des Telecom-Kigali w/FF/Arabic/VM/YL/RCLSB (Griffith)

SENEGAL:7557 2130 TELESENEGAL-Dakar 6VA97 w/EE/FF/YL/VM (Klaus Fisher)
8690 2153 6VA-Dakar w/Cq mkr/CW (Greenall)
8882 0401 Dakar Aeradio w/EE trf AM with Argentine 142 (GREENALL)
9917 0200 Telesenegal Dakar w/BF/EE/VM/SSB (Testa) (Koret)
12890 2052 Dakar Naval Radio w/V mk /CW (Schilde)SOUTH AFRICA:5000 2320 ZUO-time pips and cw id wvery 5 minutes (Koret)
6467 0230 Capetown Radio w/CW/Cq-Mkr (Straumanis)
8566 2218 ZSJ4-Capetown w/Cq mkr/CW (Greenall)
9290 0555 ZUD64-GPO Olifantsfontein w/EE/YL/AF/OM/VM/RCUSB (Griffith)TOGO:

5910 0020 5VH49-FCR Lome w/EE/FF/YL/VM/SSB (Koret)

UPPER VOLTA:

11095 0230 XTA91-FCR-Ouagadougou w/FF/EE/YL/VM/SSB)Chabak(

ZAMBIA:

13390 0450 9JA5 ZPO-Lusaka w/EE/LSB/trf to London (Dawson)

AUSTRALIA:

4500 1400 VNG-Lyndhurst w/time sig/EE/AM (Miller)
 7500 0830 VNG-Lyndhurst w/time sig/EE/AM (Gaede,Trubee)
 8598 1231 VIP-Perth w/CW Vmkr (Greenall)
 8791 0450 Sydney Maritime RT Service w/EE/VM/USB (Griffith)
 9020a 0937 EAORTS-Sydney w/EE/OM/VM/trf/SSB (Chabak)
 9230 0745 EAORTS-Sydney w/EE/VM/OM/SSB (Chabak)
 9450 0729 VNG-APO w/SW feed of Radio Australia in EE w/RCLSB (Griffith)
 10017 1500 Sydney Aeradio w/WX BC-AM (Miller,Gaede,Forth)
 12000 0635 VNG-Lyndhurst w/time pips AM (Griffith) (Gaede)
 13127 0731 Sydney Radio EAORTS w/EE/VM/OM/USB (Trubee)
 13640 -540 VLN63-EAORTS Doonside,NSW w/trf, RCUSB to Colombo (Griffith)
 15630 0716 EAORTS-Sydney w/EE/OM/VM/SSB (Chabak)
 17390 0245 VKS5-AOTC Doonside,NSW w/V mkr/CW (Griffith)
 17410 2147 O.T.C.-Doonside w/EE/OM/VM/SSB (Straumanis)
 22474 2230 VIS45-OTC Sydney w/V mkr/CW (Hardester)

CANTON ISL:

13900 0335 USAF-Canton Isld w/EE/trf to Lompoc AGD (Dawson)

GUAM:

5710 1210 Anderson AFB w/EE/OM/trf/SSB (Chabak)
 6738 0810 Anderson AFB w/EE/OM/trf/SSB w/11176 secondary (Chabak)
 8989 0805 Anderson AFB w/EE/OM/trf/SSB (Chabak)

HAWAII:

2182 0705 Tug St Anthony in Honolulu Harbor w/AM trf (Trubee)
 2182 0703 USCG Com. Sta-NMO Honlu w/trf (Trubee)
 2182 0705 NCFQ-USCG Cutter Cape Small,Hilo Harbor w/AM trf (Trubee)
 2980 0650 Honlu Volmet w/EE/WX BC AM (Trubee)
 4396 0715 USCG Honolulu w/ee/trf/USB working USS Sea Cliff (Dawson)
 5696 0706 USCG Honolulu w/EE/OM/trf/SSB (Chabak)
 5760 0616 US NAV. Com.Sta Honlu w/EE/OM/Count VM?SSB (Chabak)
 8903 0850 Honolulu Radio. w/Volmet WX BC (Gaede)
 8964 0535 Hickam AFB w/EE/trf/USB (Trubee)
 9050 0600 NFM-USNAVCOMSTA w/time pips until 0600 then CQ on CW (Forth)
 9345 0302 NFM-USNAVCOMSTA w/CQ mkr/CW (Straumanis)
 10000 1155 WWVH-time signal pips with YL/Announcements (T.Smith)
 10660 0642 AGD20-USAF Honlu w/EE/USB/Trf to Lompoc (Dawson)
 13344 0620 Honolulu Volmet w/EE/AM/WX BC (Trubee)
 13655 0556 NFM-USNAVCOMSTA w/time pips/CW (Dawson)
 13900 0608 AGD20-USAF Honolulu w/EE/trf/USB to Eniwetok (Dawson)
 14367½ 0750 US NAVAL COM STA-Holu w/EE/OM/VM/USB (Dawson)
 16210 0300 NFM-USNAVCOMSTA Holu w/EE/WX BC/RTTY/100wpm/850hz shift
 18002 0315 Hickam AFB w/trf RCUSB (Griffith)

HONG KONG:

8903 1115 Hong Kong Volmet w/EE/OM/AV WX BC (Chabak)
 12730 2025 Hong Kong Radionaval GZO w/CW Mkr (Schilde)
 17909 0126 Hong Kong Aeradio w/EE/AM/BC (Trubee)

MARSHALL ISLDS:

11110 0317 AGD30-USAF Eniwetok w/EE/trf/LSB to Lompoc (Dawson)
 13680 0454 NDJ-US Navy,Kwajalein w/EE/LSB/trf to Pearl Harbor (Dawson)
 13757.5 2340 AGD30-USAF Eniwetok w/EE/trf/LSB (Dawson)
 20385 2228 NDJ-US NAVY Kwajalein w/EE/trf/LSB (Dawson)

NEW CALEDONIA:

7640 0723 FZL76-FTS Noumea w/FF/EE/VM/YL/USB (Griffith)
 14554½ 0250 FZM45-FTS Noumea w/EE/FF/VM/YL/RCLSB (Griffith)
 18462½ 0230 FTS-Noumea w/EE/FF/YL/VM/SSB (Straumanis)

SINGAPORE:

8476 1232 9VG56-Telecom Authority w/CW trf (Greenall)
 13078 1224 9VG37-Telecom Authority w/CQ mkr/CW (Greenall)

73's and Good DXing Until Next Month- *Steve*



EDITOR:

Doug Snyder
3130 Woodmont Drive
San Jose, California
95118
PH: 408-266 0590

SPEEDX
Countries
Verified
1974

155

Deadline: 15th of the month

OVERWHELMED! And I love it. A record 70 reporters and almost 500 QSL reports! Can we possibly top that? We also add three new countries to our yearly total. New faces around the column this month include Mike Agner, Jim Brooker, Jim Capili, Amel Dennis, Chris Hansen (the editor of the Eur.-Africa column of ASWLC), Kyle Richmond, Mark Scannell, Stephan Schilde, Glenn Thompson, and Steven Wallace. Many thanks to you gentlemen, and also to the other 60 regular reporters who make this column possible.

The three new countries reported are from Africa: Central African Rep. veries have been received by Roger Giannini, Jim Vecchiola, Ken Earhart, and Woody Smith. Charles Wootten, who heads the ANARC Frequency Recommendation Committee, QSL'ed Radio Dahomey and Ken Earhart also verified Radio Diffusion TV Voltaique, Upper Volta. There are also many infrequent reports from Yemen (Aden), sent in by Al Mayer, Jordan (Roger Giannini), AFNT, Taiwan and several Papua-New Guinea stations QSL'ed by NOCAD member Kevin Szoť. Plus a rarely reported Austrian station verified by Charles Wootten. & More!

OMNIUM-GATHERUM: Everyone had the answer to last month's question - R. Cook Islands, but the first one's received were from Kevin Szoť (West Coast) and Andris Straumanis (Midwest). From the East Coast, the first one received was from Jim Whitehead, but sorry Jim, club officials are not eligible. (hi) Therefore Jim, let me extend my hardy congratulations to you on becoming the new President of SPEEDX. It was a most worthy choice... Good Luck! Getting back to the QSL questions, 3 dx'ers went digging and came up with the answer to the June question: Radio Maldives. They are Chris Hansen, Donald Galvan and Stephan Schilde. Way to go, guys! Now I don't have to think up any more clues!...I've had several inquiries concerning the new handy dandy QSL report forms that SPEEDX headquarters will send you for just a long size self-addressed stamp envelope; what does HIC and VIC mean? HIC is Heard Individual Countries & VIC is Verified Individual Countries. For those with forms, and I hope everyone uses them, please read the bottom portion of form. Thanks!... Our resident SPEEDX'er in Thailand, Henry DuRant, finally received a verie from R. Pakistan with data included on it, and their letter states that QSL cards are being prepared; today I received Bob Bodell's report and he just received a full data post card from them. Dats gud...Comments received about the use of 'time of reception' in the QSL Section ran about 50% for & 50% against, so in the future, if your reports include that time, I'll use it... The QSWL has gone the way of the sabre tooth tiger and the Kiwi bird; but who knows, there might be a live egg lying around somewhere... SPEEDX'er Ken Compton likes to see QSWL, oops, QSL letters whether they are written in english or not. Anyone else?...HAP Assistant Director Bill Paschke sent me this address, which isn't too common: Organization of American States, Radio & TV Division, Dept. of Information & Public Affairs, 17th ST. & Constitution Ave., Washington D.C. 20006...HAP needs our support to continue its unrivaled work in helping our fellow shortwave listeners who are handicapped. It would sure help if you purchased a happy face rubber stamp, a ball point pen, or a HAP patch. And a big help if you donated a pair of earphones or a spare receiver, even one that does not work too well. OK?... DX Tip: September 18 marks the beginning of 'Ramadan', the ninth month of the Mohammedan calendar. It is the month of fasting in the Moslem religion and will be a special month for stations broadcasting to Moslem audiences. Listen for extended programming and reading of the Kor'an (Moslem Bible)... QSL QUESTION: To the best of your knowledge, what is the most northerly short wave broadcast transmitter site in the world?...Dates on which National Holidays occur during Sept: 7th-Brazil; 9th-Bulgaria; 15th-Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua; 16th-Mexico; 22nd-Mali; 23rd-Saudi Arabia...Now let's get into those 500 reports.

AUSTRIA: ORF, 6155; F/data silver/black cd for 20 day rpt; 40dair, no rp. (VOGEL PA) 9770; Silver cd. w/Tirol landscape on reverse; f/data + sked, rpt. forms in 13d air, no rp. (LEVIN NY) Silver Austria Calling card, Wien cd, and Voralberg cd, all f/data, + skeds in EE, GG in 30d for ORF rpt. forms; no rp. (BROOKER MI) 15200; Tirol photo card, 30d, no rp. (LOBDELL MA) Schullungsender des Osterreichischen Bundesheeres, 6255; f/data cd, 63d for 2IRCS (WOOTEN MD) Known as S.O.B. to us dx'ers. (hi)

BELGIUM: RTB, Brussels, 6055; Gray/white cartoon map card w/date, freq. only; + Mailbag ltr in 42d air, no rp, EE rpt. (VECCHIOLA PA) 9655; Same card, 52d air, 1IRC; V/s: Jackie Marshall; also rec'd sked. (YAJKO PA)

BULGARIA: R. Sofia, 9700; The Climent of Ohrid University of Sofia card w/ wrong date in 240d air, 2IRC; 1st in series of six. (TRZASKUS IL) Same card in 240d, 1IRC (WALLACE PA) 0400-0430, same cd, 333d. (GAEDE CA) f/data cds "Nessebur" & "Bachkovo Monastery" cds in 268d, 224d air, 1IRC. (WICKETT)

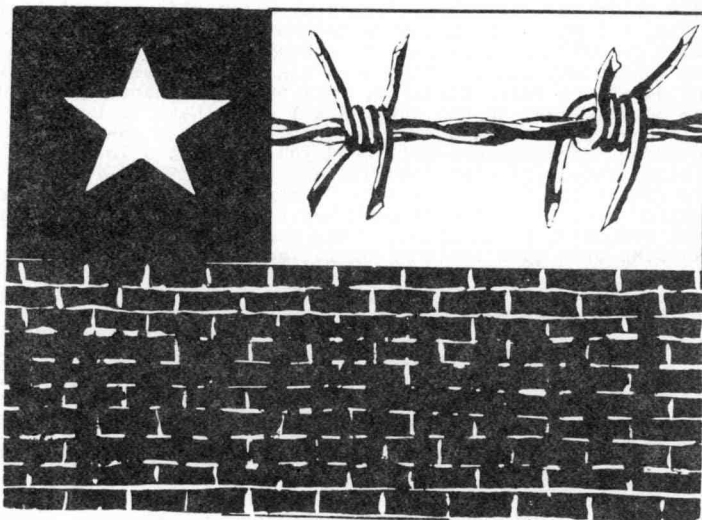
CZECHOSLOVAKIA: R. Prague, 5930; '50 Years of Broadcasting in Czech. (they said it, I didn't); in 123d air, 2IRC. (TRZASKUS IL) I believe you! B&W foto cd "Orava Castle" in 28d air, no rp. V/s: Pavlikova (BROOKS CT) 6055; F/data B&W cd w/'Ruins of Trotsky Castle' in 118d surface, no rp. (CRAWFORD SCOT.) HI Willie. 7345; in 109d air, f/data cd w/pix of Zdakov Bridge + postcard; no rp. (VOGEL PA) 11990; View of Tatra Mountains cd w/f/data in 36d air. (PIMBLETT ALB.)

DENMARK: R. Denmark, 15165; B/W 'Radiohouse Aerial Tower' cd in 11d, no rp. (STRAUMANIS IL) Same cd w/full data + letter in Danish by air in 90d. Rpt'd in Danish w/tape recordings. V/s: V. Skovgaard. (LOBDELL MA)

FINLAND: R. Finland, 9550; Summer In Finland cd in 11d air, no rp; + sked. (CRAWFORD SCOT.) Summer cd, f/data, 19d; + antenna info sheet, Great circle map & pgm. guide. No rp. (BROOKER MI)

FRANCE: ORTF, Paris, 11710; F/data Orange Studio cd in 9d air (LEVIN NY) 11735; F/data & best wishes studio card in 35d air, no rp, EE rpt. (DENNIS IN) f/data Eiffel Tower cd in 96d surface; SS rpt to Spanish Div. of ORTF; rec'd pennant in 70d air. (MOORE PA) 15155; ORTF building at night cd in 45d air; EE rpt, 1IRC. (LOBDELL MA)

GERMANY (DEM. REP.): RBI, 9730; "Venceremos" f/data cd by air in 21d, no rp. (LOBDELL MA) Same, + Stralsund cd for 2 rpts in 39d air, no rp. (GALVAN NJ) 7 cd's of 5 varieties from museums to the barbed wire, in 26d air, no rp. these for various rpt.s (EARHART PA) Pennant, no QSL, 42d (VECCHIOLA PA)



Contributed by Bob Bodell

GERMANY (FED. REP.): VOA, Munich, 9770; F/data Capitol cd in 28d air (MAYER) Sudwestfunk, Rohrdorf, 7265; Brown/green/yellow cd w/no time in 50d sur., 1IRC, EE rpt. (MAYER IL) Two more great catches, AL! Deutsche Welle, 6040; F/data cd w/symbol of World Cup; in 33d air, no rp. (KANNRY NY) 6145; Circle card, f/data, 140d, 1IRC (VOCKEROTH PA) 11810; Soccer cartoon cd in 48d air, no rp, Port. rpt. (LEVIN NY) 17830; cartoon cd, f/data, 30d air, no rp, but sent tape. (LOBDELL MA)

GREAT BRITAIN: BBC, 7130; No data Thames card in 16d, no rp. (M. RAYMOND MA) 7325; Same, no data, for EE rpt; 17d, 1IRC; V/s: D.A.J. Will (YAJKO PA)

GREECE: VOA, Kavala, 7170; Capitol cd w/freq, time only, 14d (M. RAYMOND MA) 11845; Same cd, f/data, 8d, no rp. (FORTH IL) 15205; Same cd, 1405GMT, f/data, 7d; V/s: Monica Vall. (SCANNELL MA)

HOLLAND: R. Nederland, Lopik, 6020; Radio Telescope cd, 23d air, no rp; my 33rd VIC since in Cameroon. (CHAFFIN CAMER.) Nice goin', Dave! 9715; PC of scenic places w/full data in 14d air, 1IRC, EE rpt (CAPILI HI) 11730; color painting of Amsterdam cd w/f/data, 25d, no rp (VOCKEROTH PA) f/data DX Handicapped Aid cd, 8d, MS (Mint Stamps). (PASCHE WI)

HUNGARY: R. Budapest, 5970; B&W f/data cd of Matthais Church + sked in 28 days sur.; no rp. (CRAWFORD SCOT.) 9833; yellow bridge cd, f/data + mag. w/pgm guide & other info, 50d for no rp. (BROOKER MI) In 54d, a full data orange card w/drawing of building; no rp. (VOGEL PA) f/data PC of Government buildings; not a full color cd; 48d surface; also rec'd mags. & sked. (THOMPSON NM) 11910; Gold cd, f/data, 49d air, no rp. (LEVIN NY)

ITALY: RAI, 6010; "Amore & Psiche" art repro cd in 15d air, 1IRC (BROOKS CT) 9575; f/data "La Partenza Di Tobbiolo" painting cd in 42d, no rp (VECCHIOLA) "Rachele Scaccia gli idoli" painting cd, 90d surface, nn rp (LOBDELL MA) 15330; Art series cd in 105d air, no rp. (TRUBEE HI)

LUXEMBOURG: R. Tele-Luxembourg, 6090; cd w/B&W photo of aerial towers & color insert w/coat of arms; in 150d surface, no rp.; 1708GMT (EARHART PA)

MONACO: TWR, Monte Carlo, 7100; building & VW cd in 75d air, 1IRC; also rec'd pennant. V/s: A. Stewart. (WICKETT MD) 9520; B&W Antenna cd w/full data in 64d surface, no rp. (CRAWFORD SCOT.)

NORWAY: R. Norway, 11850; f/data 'Winter In Norway', no rp, 9d. (LEVIN NY) 11860; 'Norway: at the outfarm' cd in 22d air, 1IRC & local PC (TRZASKUS) 15175; f/data Oslo City Hall cd + sked in 48d surface, no rp. (MOORE PA) 'In The Mountains' f/data cd + sked & small flag in 63d surface; no rp. V/s: Erling Thokle. (GALVAN NJ) 17800; Mt. Skridulaupen cd + sked, flag in 17d, no rp. (PARIS MI) 1404GMT; same cd, f/data, 16d, no rp. (RICHMOND CA)

POLAND: Polskie Radio, 9675; f/data map & crest cd + sked & ltr. in 40d air, no rp. (CHAPMAN PA) 11815; Poland Map card, 38d air, 2IRC, but V/s; Lech Stanislawski states that rp is not necessary. (HARDESTER CA) Numbers 1&2 in map series + sked, PC in 30d air, no rp. (PIMBLETT ALB.) 15120; Map cards #5&6 in series + rpt. form in 35d air, no rp. (MOORE PA) #2&3 in map series + book on Radio & TV in Poland; 37d air, no rp. (PARIS MI)

PORTUGAL: R. Portugal, 6025; In 84d air, attractive clipper ship "Sagres" cd for no rp, EE rpt. (MEEHAN CA) 11935; Same cd, f/data in 30d air, no rp; V/s: Quel Jueis. (DENNIS IN) IBRA Radio, 9670; f/data blue map card of world w/cross; + pennant; in 32d air, 1IRC, sent to Sweden address. (SMITH TN) R. Free Europe, Lisbon, 15255; Blue Liberty bell RFE cd w/date, meter band only, sent from NY address in 29d for .10¢. (SMITH TN)

ROMANIA: R. Bucharest, 9570; full data cd w/drawing of National Theatre & Intercontinental Hotel + pennant, sked in 70d; no rp. (GALVAN NJ) f/data 'Romanian Folk Instruments' cd w/pennant, letter, sked in 89d (QUINN NY) 'Romanian Ceramics' cd w/f/data in 37d air, no rp. (LEVIN NY)

SPAIN: RNE, Noblejas, 9530/9630; RNE Antenna cd w/f/data in 15d, no rp, SS rpt. (LEVIN NY) 15145; 2000GMT; Antenna cd, 60d, no rp. (EARHART PA)

SWEDEN: R. Sweden, 11955; f/data Swedish Map cd + pennant, sked in 20d air for no rp. (MEEHAN CA) Same cd, 23d, no rp. (T. SMITH FL) 17710; f/data map cd, 10d, no rp. (VECCHIOLA PA)

SWITZERLAND: SBC, 6120; B&W cd of 'Old Town of Berne' in 35d surface; f/data + sked, rpt. forms (THOMPSON NM) B&W baroque church cd, f/data, 50d, no rp (BROOKER MI) 9535; Spanish Div., Old Town cd in 69d surface, no rp, SS rpt. V/s: Jaime Ortega. (MOORE PA) 11715; f/data 'Swiss National tourist Office in 45d air, no rp, EE rpt. (DENNIS IN) f/data B&W cd showing the raising of SBC's new antenna; in 30d air, 2IRC. (MULLEN MT) It is an enjoyable station, Wes. 15305; Antenna party cd + sked in 38d air, no rp; V/s: J.A. Chisholm. (YAJKO PA) Int'l Committee of the Red Cross, 7210; Microphone card w/date, freq only + sked in 35d air, no rp. (GALVAN NJ)

UKRAINIAN SSR: R. Kiev, 12000; Boy & girl cd + sked & PC; f/data; in 39d for none rp, EE rpt. (VOCKEROTH PA)

USSR (No Site): R. Moscow, 9700; 5 cards, green w/gold & red lettering + pennant (red) in 40d air, no rp. (T. SMITH FL) 11730; Republic flag cd in 20d air. (BECK OH) 11770; Republic flag cd w/f/data in 52d, no rp. (CAPILI) Multicolored triangle cd in 7d air. (SCANNELL MA) 11830; Blue/red flag cd in 56d sur. (CRAWFORD SCOT.) 11880; Spanish Div; flag cd w/f/data in SS; in 30d air, for SS rpt. V/s: Gertrudis Fedorva. (MOORE PA) 15230; Gray/red circle cd + sked in 60d sur. (CRAWFORD SCOT.) 15405; Greengeometric design cd in 45d for 2IRC (returned); f/data card. (MULLEN MT) R. Peace & Progress, 15190; card, no freq., in 90d sur, no rp. (MOORE PA)

VATICAN: Vatican Radio, 11740; card showing "S. Gabriel Telecommunicationum patronus" & cruciform antenna; in 90d for Latin rpt, 5IRC (HANSEN MA)

africa

ALGERIA: RTVA, 11810; blue/white cd gives full verie + sked & rpt. form; in 98d surface for FF rpt, 2IRC.(LANOUE MA) 11835; Same cd, with Arabic design in 240d after 15 rpts! Used their rpt. form; 2IRC.(WOOTTEN MD)

CANARY IS: RNE, 11800; RNE Antenna cd w/f/data in 13d air, for SS rpt. & 2IRC; also rec'd sked. (LEVIN NY)

CENTRAL AFRICAN REP.: R.Dif. Nationale Centrafricaine, Bangui, 5035; F/data FF ltr., unsigned w/note 'out of cds; 123d air, sent reg. FF(GIANNINI IL) Same, w/date,time,EE form ltr., 111d air, MS,EE rpt.(SMITH TN) FF form ltr w/date,time only plus veri statement in 180d air, 2IRC, Gilfer form.(VECCHIOIA PA) 7220; F/data ltr,210d air, MS; heard at 1133GMT(EARHART PA)

CHAD: R.Dif.Nationale Tchad., 4904.5; 222GMT; White cd w/3 photo inserts in 21d air for MS & Gilfer rpt. form.(EARHART PA)

DAHOMY: R. Dahomey, 4870; cd w/design in 14 months, 2IRCS(WOOTTEN MD)

EGYPT: R. Cairo, 9475; F/data 'Kasr El Nil Bridge' w/2 boats on river, color cd in 38d air, no rp.(THOMPSON NM) B&W 1st Serial-1st Scene cd which is 2 Egyptian ladies in 40d air, no rp;sked,mags.(RADTKE CA)

ETHIOPIA: ETLF, 7165; F/data card, pennant & sked in 70d air,1IRC(LEISTNER)

GUINEA: La Voix de la Revolution, Conakry, 11965; F/data sheet w/sked printed on it in 39d air,1IRC,FF rpt.; "2 IRCS required for verie"(BODELL)

MOROCCO: R.T.V. Moroccan, 15360; blue/white folder cd w/sked in 22d air, EE rpt, 2IRC & tape.(JOHNSON CA)

VOA, Tangier, 15205; F/data Capitol cd,7d, no rp.(SCANNELL MA)

NIGERIA: V. of Nigeria, Lagos, 7275; Pix of Eko Bridge, Lagos in 60d air, no rp,EE rpt.(PARIS MI) 15120; Green/white flag cd + sked in 45d air, no rp,EE rpt. V/s: Osoetari(Mrs).(CRAWFORD SCOT.) 15185; Same, flag card in 19d air for EE rpt. & 2IRC.(SCHILDE W.GERMANY)

RHODESIA: RBC, 3396; Gazelle cd in 14d air,3IRC; V/s: E. McKenzie(WALLACE) 5016; Cd w/gazelle sketch in 15d air, 1IRC;QSL veries 5012.(TRUBEE HI)

RWANDA: DW, Kigali, 15380;blue/yellow Africa map cd w/f/data in 41d air for no rp, GG rpt.(T.SMITH FL) 17780; (et al) cd#540(painting series) in 43d & 45d air, no rp, EE rpt. V/s: Thiele; also rec'd Malta sked(CHAFFIN CAM)

SOUTH AFRICA:Radio RSA, 4875; Baobab Tree cd, 14d air, no rp(TRUBEE HI) 9585; F/data color cd of 'Cullinan Diamond' by air, 17d, no rp(LOBDELL MA) 15220; Leopard w/kill cd, no rp 18d; f/data. (DURANT THAILAND)

SABC, 3250,3980; 'Industries' cd,14d, no rp,EE rpt.(HANSEN MA)

TOGO: R. Togo, 5047; Globe/map card , 28d air, 1IRC,EErpt.(TRUBEE HI)

UPPER VOLTA: R.Dif.TV Voltaique, 4815; 262OGMT; PC w/Radio in white on black background 1 1/2" wide on left; across top is printed Ougadougou in 3/16" ltrs followed by Haute Volta in 1/8" ltrs; in center is a solid brown map of Africa with black dot for Ougadougou. Underneath are alternating horizontal yellow/white bars 1/2" wide; in 195d,2IRC(EARHART PA) gud description!

ZAIRE: Voix du Zaire, Kinshasa, 15245; FF form ltr w/no data, but verie/confirmation statement in 375d air for EE/FF rpt, 3IRC;V/s:Mabumba Bulisi (GAVARAS MN) Same, 166d air, 2IRC,FF rpt.(LEISTNER CA)EErpt(TRUBEE HI)

asia

AFGHANISTAN: R. Afghanistan, Kabul, 15195; Flag, map & Buddha cd w/new flag of independence pasted over old ASSR flag; 47d air,2IRC,EE rpt(COMPTON MA)

BRUNEI: R. Brunei, Bandar Seri Begawan, 7215; Yellow/green map cd + sked & stamps in 20d air, no rp,EE rpt.(RADTKE CA) Same map cd + sked & PC of studio, 11d for 2IRC,EE rpt.;V/s:Frigout,Chief Eng. (SZOT CA)

BURMA: BBS, 5040; plain white f/data cd w/BBS overprint in 42d air for 2IRC EE rpt.;cd mangled as not mailed in envelope.(A MIKE HARDESTER OF CA)

CHINA(P.R.):R.Peking,9460;Woodcut cd,date/freq in 16d a,no rp.(CAPILI HI)

CHINA(Rep.): V.of Free China,Taipei, 17720; F/data beautiful 'Water Birds In Moonlight' cd + sked in 35d air, no rp, EE rpt.(STRAUMANIS IL)

Armed Forces Network Taiwan, 3990; Blue cd w/AFNT emblem & full data; PWR-1000watts; 15d air,no rp; V/s: S.H. Moate (SZOT CA) Mad, Kevin, Mad!

INDIA: AIR, 11810; "Srirangam Sculpture" cd w/f/data in 161d sur, no rp. (GALVAN NJ) "Mahabalipuram rock carving" cd f/data& sked by air in 120d for 2IRC(LOBDELL MA)Ramila Festival cd,123d air,no rp.(PARIS MI)

INDONESIA: RRI Madiun, Java, 3286; F/data Indo. verie ltr. in 120d air for II rpt & MS;V/s: M. Suetardi.(HENDERSON MD)

R. Khusus Informasi Pertanian(Agricultural Information Radio), 4698; Surabaya; ltr & cd in II & EE in 133d air; MS;V/s:Ny.Koentaryadi.(SPARKS) Same,180d for MS,II rpt;PWR=2KW(HENDERSON MD) Same,125d,II rpt,MS(JOHNSON)

RRI Banjarmasin, Borneo, 3250; II ltr in 44d air, MS,II rpt&tape " "

RRI Gorontalo,Celebes,4900; II ltr,30d, II rpt, MS; ltr had date/freq only. V/s: Usman Abdullah B.A. (JOHNSON CA)

RRI Banda Aceh, Sumatra, 4955; ltr & PC in 140d for MS(SPARKS CA)

RRI Padang,Sumatra,3960; Long II ltr & PC in 110d air, MS,II rpt & tape report sent. V/s: A. Hamid; ltr w/date&freq. only.(JOHNSON CA)

IRAN: V. of Iran, 9022; TV Center cd together w/280page large book "IRAN" as a "gift for a good listener" (I sent one report), after 13 months! Ah, the miracles of the orient. (SCHILDE W. GERMANY) 15084; F/data cd, same as above + sked, pix of Shah of Iran, and "Iran" book; QSL was accidentally sent to a DXer in Sweden who very graciously forwarded it on to me; in 60d for MS, address label(used); also rec'd ltr. of thanks. (d'ADOLF ND) Same cd +2PC, ltr, pennant & Iran book in 120d, 2IRC. (LOVETT OH)

IRAQ: R. Baghdad, 9745; F/data map cd, 85d surface for 1IRC; also sent emblem of R.B.I. & tourist info. (WICKETT MD)

ISRAEL: IBA, Jerusalem, 9495; "17th Century Jerusalem" cd w/f/data in 60d for no rp. (LOBDELL MA) 15100; Knesseth Menorah cd, f/data, color + sked in 60d air, no rp. (RADTKE CA) 15490; Same, 53d, IBA rpt. form, norp (BROOKER) JAPAN: R. Japan, 9505; Yakko cd w/date, freq + other RJ material in 11d air, no rp. (SZOT CA) 11705; Sumo Wrestler cd + sked, club form info, PC; in 19 days air, no rp. (CHAFFIN CAMER.) 15105; 15445; 17825; many rpts, same cds in avg. 12d, no rp; also rec'd skeds, PC's RJ News, etc.

JORDAN: R. Jordan, Amman, 7155; F/data Dome of Rock in Jerusalem in 15d! air for EE rpt, no rp. (GIANNINI IL)

KUWAIT: R. Kuwait, 15415; f/data folding cd w/pix of broadcast studio & info on R. Kuwait & country; no rp (BROOKER MI) Same, 53d, no rp (RICHMOND CA)

MALAYSIA: BBC, Tebrau, 11750; Thames cd w/freq only, 16d, no rp. (PIMBLETT ALB) 15310; Same, w/"BBC FEES" only, 30d, no rp. (SMITH TN)

PAKISTAN: R. Pakistan, 11885; Islamabad; EE ltr w/date, freq in 58d air for MS, EE rpt; ltr. says QSL cds being printed, reports wanted. (DUFRANT THAIL.) 15115; No data ltr in 26d surface, no rp. V/s: Mohammad Iqbal Baig, Deputy Controller, Research. (CRAWFORD SCOT) 15520; F/data cd of 'Shalimar Gardens, Lahore' in 89d air, 2IRC; rpt. sent via Pak. embassy. (BODELL OR)

PHILIPPINES: V. of the Philippines, 9580; pink -coat of arms-full data cd + sked & questionnaire in 120d sur, 3IRC; V/s: Ernesto G. Madrid (RADTKE CA) FEBE, 11920; F/data group pix, in color of staff + relig. info & sked in an amazing 31d air for 2IRC. V/s: Judy Sutphen, QSL Secy. (MULLEN MT)

RSPSR (ASIATIC): R. Moscow, Petropavlovsk-Kamchatsky, N.A. Svce, 17880; full data republic flag cd in 36d air, no rp; (PIMBLETT ALB.)

SABAH: R. Malaysia, Kote Kinabalu, 4970; Sabah map cd w/no time in 49d air for 2IRC, EE rpt. V/s: Humphrey Gom. (HARDESTER CA)

SAUDI ARABIA: BSKSA, Jeddah, 11855; Crossed swords & palm tree cd + sked in 95d reg. air for EE rpt, no rp. (CHAFFIN CAMEROON)

SRI LANKA: VOA, Colombo, 7110; Capitol cd w/freq, time, 7d, no rp (LEVIN NY)

SYRIA: R. Damascus, 9655; f/data cd after 6yrs of trying! My VIC#191; in 365d air, MS, EE rpt; also rec'd pennant. (HENDERSON MD) globe cd w/wrong date, wrong time in only 917d. V/s: Ahmed Halwani. (GELFAND NY) Same in 241 days, 1IRC; PWR=50KW. (GAVARAS MN) Same + pennant, 16months, 2IRC (WOOTEN MD)

THAILAND: R. Thailand, 9655; F/data yellow background Thai map cd w/wrong freq. of 11910 listed; in 64d surface, no rp necessary; V/s: Prasong Dhamthiti, Chief Overseas Broadc. Dir.; (GIANNINI IL)

Bangkok Meteorological Radio, 7863; Small red folder w/station info & note on folder w/date & verie statement; PWR=10KW; in 29d air, 2IRC, EE rpt; V/s: Chote Kliewtong. (SZOT CA) Same, 56d air, 3IRC (SPARKS CA)

TURKEY: V. of Turkey, 11880; Topkapi cd w/f/data in 80d, no rp. (BROOKER MI) 'Porcelain in the Sehzaade Mustafa Mausoleum' cd w/date, freq in 29d for 1IRC (STRAUMANIS IL) 2200GMT; Topkapi Harem cd, 42d, no rp (EARHART PA)

UZBEK SSR: R. Tashkent, 9600; cd of "Chimes-Tower" & "Statue" in 71d air for 1IRC; also rec'd PC's, sked, contest info; (BROOKS CT) Same cd in 42d air for no rp. (COMPTON MA) Same, 95d air; V/s: Nadira Babadjanova. (PARIS MI)

VIETNAM (DEM. REP.): VOV paper cd for Viet regional 6383, 84d (SPARKS CA)

YEMEN (PEOPLES DEM. REP.): DYBS, Aden, 7190; Pink cd w/no time along w/ an Arabic message, translation?; in 174d air for 1IRC, EE rpt. (MAYER IL)

oceania

AUSTRALIA: R. Australia, Lyndhurst, 5995; F/data Flannel Flower cd in Wild Flower series in 56d air, no rp. (T. SMITH FL) 9580; 'Australian Lambstails cd, 122d sur., no rp. (PARIS MI) Kangaroo cd, 55d, no rp. (COMPTON MA) 11710; Grey Bush Pea Wildflower cd, 119d sur., no rp. (PARIS MI) 11765; Shepparton; Kangaroo cd, 75d sur., no rp. (SCHILDE W. GERMANY) 11790; Gippsland Waratari Wildflower cd, 153d sur., no rp. (CRAWFORD SCOTLAND) 17795; Kangaroo cd, 30d for 2IRC; also rec'd pennant. (WICKETT MD) 21740; Sydney Opera House cd, 90d, no rp. (ZELASKO IN) Bearded Greenhood wildflower cd, 19d air, 1IRC. (CAPILL HI)

ABC, Brisbane, VLM4, 4920; F/data blue Queensland map cd in 13d air, MS & decal of US flag. (SMITH TN)

ABC, Perth, VLV9, 9610; F/data Blue/black map cd, 18d, 1IRC (STRAUMANIS IL)

* * * ABC, Perth, VLV15, 15425; Same map cd, PWR=50KW (GAEBE CA) * * * * *

NEW COUNTRY: ANTARCTICA AFRTS; 6012kHz; heard 0530, 0730, 1030GMT. GOGETEM!

NEW ZEALAND: NZBC, 6020; Globe cd w/date in ?, no rp; V/S: H. Taylor Smith (DENNIS)
PAPUA: PNGBC, 4890; F/data map cd, 315d air, 2IRC (MOORE PA) Same cd, 365d
air, 1IRC. (NEBRON CA)

R. Northern District, Popondetta, 2468; F/data data sheet w/sked of
most PNG stations; 15d air, 2IRC. (SZOT CA)

NEW GUINEA: R. Chimbu, Kundiawa, 2376; Personal ltr. w/date, verie state-
ment & pwr - 2KW; in 25d air, 2IRC. (SZOT CA)

R. Western Highlands, Mount Hagen, 2450; folding data sheet w/
personal ltr, f/data in 24d air, 2IRC. V/s: Kede'a K. Uru, St. Man. (SZOT CA)

SOLOMON IS: SIBS, 3995; F/data black/white map cd, 35d, MS. (JOHNSON CA)

south america

ARGENTINA: RAE, Buenos Aires, 9690; Green globe cd + sked in 150d for 2IRC
& EE rpt. (CHAPMAN PA) 11710; Same, 109d surface, no rp; sked arrived by
separate post. (CRAWFORD SCOT.) Same, 133d surface, no rp; f/data (GALVAN NJ)

BOLIVIA: La Cruz del Sur, 4875; red/blue/white/brown cd w/scene of goat &
mt./freq. only, in 180d air for SS rpt. and MS; also recd ltr. & pennant
from the V/S: Rev. Augusto Clavijo. (JOHNSON CA)

BRAZIL: Rádio Difusora Taubaté Ltda, 4855; nice personal ltr. w/date, time
& meter band + verie statement; in 12d air for MS (not used), Portuguese
rpt. sent; V/s: E.A. Berings - Director. (WHITEHEAD MA)

R. Pioneira de Teresina, 4887; personal ltr in PP w/verie statement
only + 3PC in 18d air, MS (not used), PP rpt.; V/s: Jesus Elias Tajra. (DITTO)

R. Nacional de Brasilia, 15245; fldata cd on back of PC + sked & big
grn/blu/wh/ylw pennant; in 60d, 2IRC (LANOUE MA) 11820; View of city PC

w/full data + pennant & sked in 128d air for no rp, EE rpt (T. SMITH FL)
15445; F/data PC in 72d air for EE rpt & 1IRC; pennant also rec'd & ltr.

(WICKETT MD) cd w/aerial view of park + pennant in 84d, no rp (GALVAN NJ)

CHILE: La Voz de Chile, 6195; PC cd 21d after f/up; ms sent; V/s: Gustavo
Heitmann S. Jefe Dpto. Tecnico. (SPARKS CA) 15150; barrio scene cd in 28
days, listing wrong freq.; sent Mint Stamps (WOOTEN MD)

R. Minería, 9750; EE/SS ltr w/date, freq in 67d air for 1IRC & SS rpt;
Also sent rd/wh/grn pennant as requested. V/s: Gustavo Palacios Garces.
(WICKETT)

COLOMBIA: R. Santa Fe, HJAE, 4965; No data pix PC w/verie typed in + pen-
nant & decal in 77d air, MS, SS rpt; V/s: Luisa Mahe V. de Bernal (MAHONEY N)

R. Super, 6065; cd w/info on Bogota w/date, time in 95d surface for EE'
rpt. and 1IRC. (WICKETT MD)

La Voz del Llano, 6115; air ltr. w/5 color fotos of Villavicencio &
Meta area; 60d, MS; V/s: Jairo E. Cifuentes. (SPARKS CA)

La Voz de Huila, 6150; Personal ltr. w/date oly(hi) + literature on
local archeological park; 50d, SS rpt, 1IRC; V/s: Fernando Segura (MAYER IL)

ECUADOR: HCJB, 9560; F/data 'El Altar' 2nd cd in Mountain series + pennant
in 25d air, 2IRC. V/s: Sam Rowley. (CAPILI HI) 11915; Mt. Chimborazo cd. w/
f/data in 33d air, 2IRC. (PASCHKE WI) 15115; Same cd, 26d, 2IRC (COMPTON MA)

17880; Same, 35d, 2IRC; also rec'd sked. (THOMPSON NM)

La Voz del Napo, Tena, 3280; Nice f/data ltr in Spanish in 180d air
for MS, SS rpt. V/s: P. Luis Tirado S., Director. (CLEVELAND CA)

R. Luz y Vida, Loja, 4825; F/data card w/cross in 45d air for MS, SS
rpt.; states pennant to be sent. V/s: Hermana Amada; MS not used (HARDESTER CA)

R. Nacional Progreso, HCEH, 5060; SS ltr w/date + taped mx & coin in
30d for MS, SS rpt; V/s: Efraín Herrera Guerrero. (MAHONEY IN)

VENEZUELA: R. Lara, 4800; Network QSL cd w/date, freq in 25d by air for 1
IRC, EE rpt & SPEEDX rpt. form. (WICKETT MD)

R. Yaracuy, 4940; Cadena Venezolana de Radiodifusion network postcard
gives all data but time; V/s: Jaime Romero.; SS rpt sent to San Felipe, not
Network HQ, with MS; reply in 70d. (LANOUE MA) Green network cd in 45d
air for 1IRC (LOVETT OF OHIO)

R. Rumbos, 4970; F/data 'Colonial Lage in Laguirá' cd in 106d surface
for 1IRC, SS rpt. (MAYER IL) 9660; Colonia Tovar cd, w/full data & info on
R. Rumbos in EE; 38d for SS rpt, 2IRC (BROOKER MI)

Ecós Del Torbes, 4980; Personal ltr + pennant w/my name on it; ltr w/
f/ddata in 29d air for SS rpt; V/s: E. Gonzalez Guerrero. (LEVIN NY)

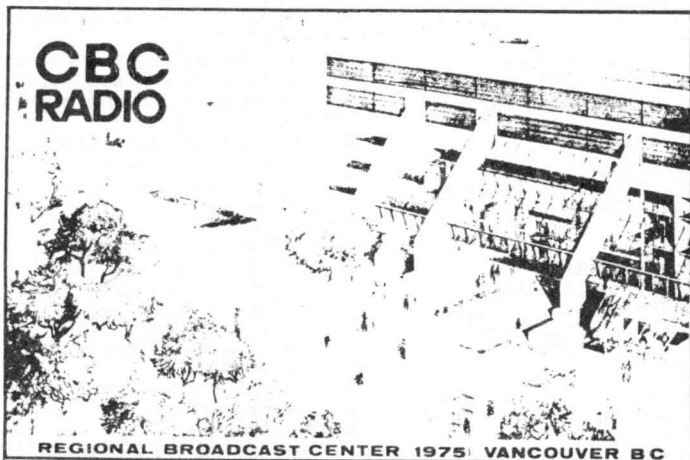
R. San Sebastian, YVSR, 6070; SS form ltr w/date only in 35d for SS
rpt w/ 2IRCS. (SCHILDE W. GERMANY)

clandestine

R. Euzkadi, 13250; White card w/map of locale of Euzkadi. Also, foto of
T'mtr Antenna; freq & date listed, no time; on back, typed in the quote
'Thank you for your report, here goes our card and hope you will hear us
again.'; Also, on front, is brief history of the Basque's struggle. PWR
= 80KW; in 180d for 1IRC. (B. RAYMOND MA)

north america

CANADA: RCI, 6085; Globe & mic cd in 28d surface, no rp; V/s: Brian Townsley. (TRZASKUS IL) 6135; Green/blue map cd in 15d, no rp (LEVIN NY) F/data globe cd for 9625 in 24d air, 1IRC (CAPILI HI) 9655; Globe cd, 22d for no rp. (MEEHAN CA) 9755; Globe cd, 35d, no rp (PARIS MI) 11825; Globe cd in 60d (ZELASKO IN) 11855; Globe cd, f/data, 40d, no rp. (VOGEL PA) 11990; Beautiful globe /mic cd in 35d, o rp (EARHART PA) 15190; And another globe cd in 30d surface, no rp. A (LOBDELL MA) 17820; Globe cd, 30d, 1IRC (YAJKO PA) CKZU, Vancouver 6160; Artists drawing of "Regional Broadcast Center (1975); cd w/no time; In 20d, no rp. (MEEHAN CA)



BBC, Sackville, 9580; No data Thames River cd, 20d, no rp. (MILLER CA) Deutsche Welle, Sackville, 6085; Circle cd, 51d air, no rp (QUINN NY) ORF, Sackville, 6155; Test pgm; F/data ORF cd, 30d, 1IRC. (d'ADOLF ND) CBC Northern Svce, 9625; Eskimo-Cree Polar Bear Sculpture cd in 28d surface for no rp. (BROOKS CT)

CHU, Ottawa, 7335; Pix of Sir Sanford Fleming cd, 28d, no rp (CHAFFIN)

CUBA: R. Havana, 9525; cd w/photo of No. Viet soldier guarding P.O.W. on one side & other side features stamps of Australia, Vietnam, Guinea (GAEDE) 11930; Blue circle cd, SS writing w/f/data, 120d air, no rp, EE rpt (MILLER)

DOMINICAN REP: R. Clarin, HIRL, 4850; Mimeo form ltr w/freq only + rd/wh/blu pennant in 42d air, MS, SS rpt. (MAHONEY IN) Same, 50d, MS; also rec'd pennant & V/s: Rafael Nivar B., Administrador. (SPARKS CA)

La Voz del Papagayo, 5030; 2 ltr's, one in SS n one in EE, 38d for MS; V/s: Jose M. Rivero Olmedo, Ingeniero y Director. (SPARKS CA) Form ltr. w/verie statement only; PWR=400W; 21d air, SS rpt, MS (used) (LANOUE MA)

HAITI: 4VEH, 9770; Vertiers Memorial cd, f/data, 60d, US MS, EE rpt (VOCKEROTH PA)

HONDURAS: HRVC, 4820; f/data cd w/drawing of city, 82d, 1IRC, SPEEDXform (WICKETT)

MEXICO: XERMX, 15125; No data ltr, pennant, 273d sur., MS, EE rpt (LEISTNER CA)

NETH. ANTILLES: R. Nederland, 6165; F/data PC of Holland in Flower Decoration color; 10d air, no rp (THOMPSON NM) f/data Happy Station cd in 30d air, no rp, just pix of smiling dog! (SMITH TN) 9715; DX Handicapped Aid QSL in 8d air, no rp; fast service! (LEVIN NY)

TWR, Bonaire, 11815; Transmitter & Diesel building cd + relig. info in 62 days surface, no rp. (FROEMMING AZ) 15350; Same, f/data, 13d, 1IRC (LEVIN NY)

U.S.A.: KGEI, San Francisco, 11905; F/data San Fran. cd, sent SASE (LEVIN NY) WYFR, 15135; f/data mic cd w/WYFR overprint, 14d, no rp (M. RAYMOND MA) AFRTS, Greenville, 15430; blu/wh cd w/Defense Dept. symbols, 8d, no rp; also recd sked; (STRAUMANIS IL) 6030, Bethany; same, 19d, no rp (T. SMITH FL)

U.N. Radio, 9530; Wh/blu f/data cd & sked, 7d, no rp. (FORTH IL)

WVW, Ft. Collins, 10000; F/data cd w/pix of Indians looking into a valley in 34d surface, dime; V/s: John Stanley, Eng. in Chg.

WINB, Red Lion, 17720; F/data plain cd *sked, 9d, no rp (STRAUMANIS IL)

VOA, Delano, 11850; F/data Capitol cd in 5 minutes signed by Mr. Jacobs during a visit. (WOOTEN MD) Capitol cd w/no date, 10d surface. (LEVIN NY)

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And so ends this month's column; used most reports and thanks to all for reporting. Best wishes to all in September and I hope to hear from you for the October column. Remember, if you see someone without a smile, give them one of yours. And gud QSWL'ing!

The following list of over 90 Radio Moscow frequencies has been compiled from SPEEDX QSL columns and shows which site, or sites have been verified by Radio Moscow. The service in which that frequency or site has been used for has also been listed, when available. The republic in which the transmitter is located is also shown, except when the site is located in the RSFSR. Radio Moscow uses many other frequencies and sites throughout the Soviet Union, so this list is far from complete. But I hope you will find it useful. Any update info will be appreciated.

- *****
- | | |
|---|---|
| 5920 -Minsk(Bylo)/Orsha(Bylo)
Kazan(Gr.Brit. Svce.) | 12020-Armavir |
| 5940 -Serpukhov/Vinnitsa(Ukr.) | 12050-Armavir/Khabarovsk/Petropavlovsk-Kamchatsky (N.A. Svce) |
| 5985 -Khabarovsk | 12060-Petropav. -Kamchat. (Aust,N.Z. Sce) |
| 6000 -Khabarovsk | 15100-Khabarovsk (N.A. Svce.) |
| 6010 -Moscow | 15110-Kiev(Ukr) |
| 6055 -Tallin(Estonian SSR) | 15120-Petropalvosk-Kamchatsky |
| 6065 -Minsk(Bylo. SSR) | 15140-Ryazan (S.Asia Svce.) |
| 6175 -Vinnitsa(Ukr)G.B. Svce. | Petropalvosk-Kamchatsky(NA Svce) |
| 6180 -Ryazan | 15175-Lvov(Ukr) |
| 7110 -Khabarovsk | 15180-Armavir/Khabarovsk(NA Svce) |
| 7150 -Sverdlovsk | Petropalvosk-Kamchatsky(NA Sce) |
| 7175 -Tashkent(Uzbek)N.A. Svce. | 15190-Tashkent(Uzbek)Afr. Svce. |
| 7185 -Blagoveschensk | 15200-Kalach-On-Don (S.Asian Svce) |
| 7190 -Moscow | 15230-Voronezh |
| 7200 -Armavir | 15240-Moscow/Nikolayevsk-On-Amur |
| 7205 -Moscow/Armavir | 15260-Kazan(Gr.Brit. Svce) |
| 7210 -Orsha(Bylo)N.A. Svce. | 15265-Gorky (Afr. Svce) |
| 7220 -Vladivostok(N.A. Svce.) | 15295-Voronezh/Irkutsk (Afr. Svce) |
| 7230 -Minsk(Bylo)/Krasnoyarsk | 15350-Vologda (Afr. Svce) |
| 7240 -Vinnitsa(Ukr)/Tula | 15375-Leningrad (Afr. Svce) |
| 7245 -Tula | 15385-Armavir |
| 7250 -Tula | 15450-Simferpool (Ukr.) |
| 7260 -Zhigulevsk | 15455-Orenburg |
| 7280 -Moscow | 15490-Orenburg |
| 7290 -Moscow | 17700-Yerevan (Armenian SSR) |
| 7310 -Moscow/Nikolayevsk-On-Amur | 17720-Kazan (N.A. Svce) |
| 7355 -Omsk | 17770-Khabarovsk |
| 7420 -Minsk(Bylo) | 17775-Kazan (Afr. Svce)/ |
| 9530 -Moscow | Khabarovsk (N.A. Svce) |
| 9560 -Serpuchov(Afr. Svce.) | 17815-Omsk (S.Asian Svce) |
| 9580 -Kazan/Blagoveschensk | 17840-Krasnovarsk |
| 9610 -Tula(N.A.Svce)/Khabarovsk | 17860-Komsomolsk-On-Amur |
| 9650 -Minsk(Bylo)/Orsha(Bylo) | 17865-Komsomolsk-On-Amur(N.A. Svce) |
| 9655 -Minsk(Bylo)/Orsha(Bylo)NA Sce. | 17870-Khabarovsk (N.A. Svce) |
| 9665 -Ivano-Frankovsk(Ukr.) | 17880-Petropavlovsk-Kamchatsky |
| 9680 -Moscow | 17885-Vinnitsa(Ukr)Afr. Svc./ |
| 9685 -Moscow | Petropavlovsk-Kamchatsky(NA Sce) |
| 9700 -Moscow | |
| 9710 -Kiev(Ukr)/Frunze(Kirghiz) | |
| 9730 -Nikolayevsk-On-Amur | |
| 9735 -Nikolayevsk-On-Amur | |
| 9740 -Moscow | |
| 9755 -Nikolayevsk-On-Amur | |
| 9780 -Zhigulevsk | |
| 9910 -Serpuchov (Afr. Svce.) | |
| 11690-Nikolayevsk-On-Amur
Khabarovsk
Petropavlovsk-Kamchatsky | |
| 11720-Chita (N.A. Svce.) | |
| 11735-Vinnitsa(Ukr.) | |
| 11770-Kiev(Ukr)NA Svce/
Khabarovsk | |
| 11820-Tbilisi(Geor.SSR)Afr.Svce. | |
| 11830-Tbilisi(Geor.SSR)/Moscow | |
| 11850-Vinnitsa(Ukr)N.A. Svce
Konevo/Vladivostok | |
| 11860-Gorky | |
| 11870-Kaunas(Lith.SSR)Afr.Svce. | |
| 11900-Lvov(Ukr)NA Svce/Moscow | |
| 11920-Moscow | |
| 11930-Moscow | |
| 11960-Voronezh(Afr. Svce.) | |
| 11975-Kharkov(Ukr.) | |
| 12000-Moscow(NA Svce.)/Armavir | |

KEY:

- Svce.,Sce. = Service
- N.A.,NA = North American
- Afr. = African
- Gr.Brit, G.B. = Great Britain
- Bylo = Byelorussian SSR
- Ukr. = Ukrainian SSR

There are eight separate Soviet republics represented here; however, even if you do hear R. Moscow on one of those frequencies, it might not be originating from the above listed site. The only way to find out is to send a report to Radio Moscow and request, politely, but firmly, that the transmitter site be included on the verification. Good Luck! Be sure to inform the SPEEDX QSL editor of your USSR QSL's.

Tips and Topics

The Feature Section of SPEEDX

SPEEDX Editor: Arthur S. Getzel - 70-29 Kissena Blvd - Flushing - NY 11367

SHORTWAVE LISTENING IN THE DEVELOPING COUNTRIES

Part II - Who's Winning by Ron Lanoue

The statistics on the particular international broadcasters listened to in the underdeveloped countries at the time these USIA surveys were taken (Table 2) confirm something that we've been told all along: the BBC is the world's most popular broadcasting organization. Only in Latin America do the British take the number two position, behind the Voice of America. The VOA, however, is a strong number two throughout the world, and has good-sized regular audiences in most of the cities surveyed; in fact, in many areas, especially Latin America, at least two-thirds or more of those who listen to any foreign stations listen regularly to the VOA.

It is clear from these figures which "side" was winning the broadcasting game when these surveys were taken: in only a very few selected cases, e.g. R. Havana in Caracas, or R. Peking in Kuala Lumpur and Singapore (cities with sizeable Chinese populations) do any of the Communist bloc broadcasters have large audiences. They seldom come near to equalling the VOA or the BBC's listener totals (keep in mind, however, the normal allowances for sampling error). Among the three stations it is seen that Radio Havana is the strongest in Latin America, Radio Moscow in Africa, and Radio Peking in Asia.

It is true that the two Western broadcasters have advantages because of their relay stations, especially when one looks for example at such signal paths as China to South America; or, at the Philippines, where the Poro and Tinang relays are located, and the VOA has a very large audience.

However, one set of stats may show that this factor isn't that important. In the East African countries, where the BBC and VOA easily outdistanced Moscow and Peking in regular audiences, the percentages of those saying the signal strength of each station was "strong" as opposed to "weak" or "inaudible" were close: 86% and 68% gave a "strong" rating to London and Washington, respectively, while the figures for the Soviets and Chinese were 65% and 63%. From this one can conclude that the differences between the stations are due to their programming, not their power. A telling statistic is the percent of those saying that "all" or "most" of a particular station's news is "trustworthy" in this same sample. The credibility rating of the BBC was 69% number one by far, for the VOA a lower 39%, but for R. Moscow and R. Peking only 23% and 21% respectively.

Several stations have sizable audiences in certain regions only: Radio Australia in Asia, Radio Cairo and ORTF in Africa. This is of course hardly surprising, since the three concentrate their broadcast efforts in these areas. Thus, combining these results with those above re. Moscow and Peking, one can say that a dependable signal is a necessary condition, but not a sufficient one for success in the battle for listeners.

Finally, there were a few surprises. Radio Republic Indonesia's external service was more often listened to (within its limited target areas) than the equally powerful NHK. WNYW, despite the appeal of its American AM radio-type format, had relatively smaller audiences than several more stodgy broadcasters to South America. Also, virtually no one in that region listened to HCJB, even though it had been in the SWBC business longer than most of its rivals.

These latter results underscore something stated at the beginning of this essay: shortwave club members, with their own likes and dislikes re.

Table 2 Audiences of Specific Stations, by City¹

Respondents were given a list of stations and asked how often they listened to each. A "-" means less than $\frac{1}{4}$ of 1%, a "NA" means not asked.

1965 Those respondents listening "At least once a week."

	VOA	BBC	Havana	WNYW	Moscow	Peking	HCJB	(1964)
Mexico City	3%	1	2	1	-	-	-	
Caracas	6	3	5	1	1	-	1	
Buenos Aires	2	2	1	1	-	-	-	
Santiago	4	3	1	1	2	-	NA	
Rio de Janeiro	2	1	-	1	-	-	-	

	VOA	BBC	Australia	RRI	Moscow	Peking	NHK
Manila (literate only)	22%	1	1	1	-	-	2
Kuala Lumpur	4	9	8	5	1	3	-
Singapore	2	4	3	1	-	3	-
Seoul	22	-	NA	NA	-	-	-
Karachi (1964)	3	5	Ceylon 49	India 30	2	4	NA

1960 Those listening "Every day or almost every day."

	VOA	BBC	ORTF ^a	Cairo	Moscow	Peking		
Accra	7%	22	1	-	-	-		
Lagos	7	41	1	1	2	1		
Abidjan ^b	1	1	10	-	1	-		
Dakar ^b	-	-	7	2	2	1		
1966	VOA	BBC	ETLF	Moscow	Peking	1/W ^d	ORTF ^a	Cairo
E. Africa ^c	10%	25	7	3	1	3	11	3

a- Brazzaville, Congo relay.

b- Neither the VOA nor BBC had French services to this area

c- Kenya, Uganda, Tanzania national samples.

d- Deutsche Welle.

broadcasters, are not necessarily representative of the total audience of a station. Because of this, and because of the paucity of DX hobbyists in comparison with other listeners, it is hardly surprising that stations usually ignore our complaints about frequency conflicts, power increases, programming, etc.

¹Figures are based on USIA surveys conducted by local market research firms. Sample sizes in Latin America and Asia are near 500, in the four West-African cities 1400, and in the East African countries the total combined sample was 5500.

 Due to an increase of articles received in the last month or so, it shall be impossible to publish many articles immediately. Therefore, many articles will be delayed for some time. Please excuse the delay if your articles do not appear immediately. But please do keep sending in your articles because I do hope to get to them all eventually.

But we're not, as you might think, "right back where we started," not at all. It's true that ABC and XYZ have not improved their own competitive situation--but, at the same time, their lunatic power race clobbers the smaller operations underneath and on either side of the frequency. Few of the small, privately-owned domestic stations are in any position to compete with the behemoths, so they give up. They either QRT forever or they shift to FM or the medium-wave band. And DXers have lost another goodie.

Does the big broadcaster care that his power escalation is ruining the most popular phase (DXing) of the shortwave hobby? Does he reduce his power in response to the unhappiness of the listener, who, according to Serge, is "the most important element"? The questions are rhetorical. The answers serve to emphasize the fact that SWLs, in actual fact, count for very little in the megawatt scheme of things. After all, if our opinions really mattered we could "antagonize international broadcasters" and consequently see some results.

And what in the world is to be gained by improving our reception reports, by "giving a bit more technical information"? Is that going to encourage ABC to cut down on his super-power? It's more likely to spur him on to greater and greater QRO. After all, if listeners are sending detailed technical data, they must be interested in the station, so let's give them a bigger signal to play with!

Serge comments that "there are no winners and losers, there are only winners or losers," implying that broadcasters and listeners are suffering equally. Hardly. In this game, all the rules are on the side of the giant international SWBC voices. They are out to "talk to each other" and to gratify national self-esteem, first and foremost, and the SWL be damned. It's quite true that the "game" isn't fun for them--but their constant scramble to be louder than the next guy isn't being conducted for our greater listening pleasure!

So my disagreement with Serge comes down to this: all the tolerance in the world, all the technical reports, all the cooperation with committees--all of it put together will not noticeably slow the mad race to super-power nirvana. On the other hand, there is no compelling reason to suppose that a militant attitude toward the big boys will accomplish anything either--but it seems to me that if you are outraged, indignant, upset about a situation and you know who is causing it, then it is your duty to speak out in protest. Our ship may be sinking, but we can still yell for help while cursing the agent of our destruction.

I'm sorry if my attitude seems cynical and negative; I prefer to think of it as merely realistic. And it seems clear to me that if we don't get up as our hind legs and rail against the ruthless fouling of the SWBC bands...if we continue to sit mutely by while upteen-watt bombast over-spreads every last kilohertz...then we have no justification for bewailing the ruin of shortwave broadcast in general and shortwave broadcast DX in particular. And we will deserve exactly what we get.

RADIO NACIONAL DE BRASILIA INTERNATIONAL SERVICE

Radio Nacional de Brasilia's International Service has recently begun broadcasting its programmes on a new, 250-kw, shortwave transmitter. This move was part of a project to increase RNB's power on both short-wave and mediumwave. A 300-kw mediumwave transmitter, the largest in Brazil, was installed simultaneously and will be destined to cover the entire national territory during the night. During the day, it will be used as a radio beacon for the Federal Capital.

The new shortwave transmitter was constructed by Brown, Boveri & Co., of Baden, Switzerland, and it is the first of 9 ordered by RNB for its International Service. These nine transmitters are all identical, having a nominal potential of 250-kw each. Each transmitter has only three

water cooled valves, the others being solid state. There are only two tubes for the driver and one for the outlet or tetrode. The rectifying stage is composed of 6 air-cooled thyrotrons. The assembly is of the container type, which means that the whole transmitter is contained in a single unit, with the exception of the rectifiers and transformers. The large area for cooling and refrigeration equipment is located on the floor above the transmitter.

Five of these 250-kw shortwave transmitters will be installed at Rodeador Park, some 55 kilometers outside Brasilia, near the town of Braslandia, by the end of this year. Rodeador also houses the first 300-kw, medium-wave transmitter and will be the site of another similar transmitter before the end of the year. The total costs of these installations at Rodeador will run close to \$US 15 million.

Two more shortwave transmitters will then be installed in the Northeast of Brazil. These will be destined to cover the African continent. And, finally, the remaining two 250-kw, shortwave transmitters will be assembled in the extreme North of Brazil in order to cover the American continent.

At present, the new transmitter is being used in conjunction with a rhombic antenna especially designed for this kind of power capable of operation on the 31, 25, and 19 meter wave lengths, and lined up to 32° azimuth. However, the project calls for using new antennas in the future. These will be dipolar, with a gain amplifier equal to 100 times the nominal power of each transmitter, sufficient to transform the 250-kw nominal potential into 25000-kw ERP.

The system intended for Europe will be formed by three tall masts, the first and second of which will be 132 meters high, with the third being 75 meters high. There will be a distance of 267 meters between the first and 3rd antenna, which will all be linked by metallic networks.

This dipolar system is formed to give medium waves parallel to the ground on a duplicate system, which will allow both sides to operate simultaneously if necessary. This gives an electrical range to the main lobe capable of completely covering a target area inside an 85° angle--or more or less 30° and approximately 3 DB's on the horizontal plane. These antennas will be beamed to Europe on 49° azimuth, with a approximate spread of 30° to each side.

The new shortwave transmitter, like its companions, operate on 75 to 11 meters and can be fully utilized on the tropical wave length of 60 meters. Frequency alterations can be made in a very short time--a maximum of 30 seconds; this is accomplished by a cervical action system. It can also be modulated trapezoidally which, when transmitting only voice, allows for an even better signal-noise regulation.

This article is from the management of Radio Nacional de Brasilia and has been contributed by Tom Smith.

September is the month when all the students that belong to SPEEDX will return to school including the editor of this column. Since the beginning of my editorship, I have been unsuccessfully looking for an assistant editor to replace me when I am unable to prepare my column because of health or scholastic reasons. Therefore, any SPEEDX member or associate member who lives in the New York metropolitan area should contact me by mail or telephone (591-0478) if they are interested in this highly important post.

...

During the summer many of the members have visited foreign countries and most likely the radio stations within the country visited. Therefore, why don't these members send in articles on their experiences while visiting these stations. Maybe SPEEDX will be the first club to publish an article about a member visiting Radio Afganistan or Radio Republic Indonesia.

...

This month marks the beginning of the fall DX season and I wish you all the best of luck on your loggings for the fall DX season. I remain,

SEPTEMBER CONTRIBUTORS PAGE

Each contributors name is preceded by a number. This number indicates how many SPEEDX columns a specific reporter contributed to this month. Credits for Columns/Sections other than SWBC, QSL and UTE Columns are not listed here, they are recorded separately at Headquarters.

1	AGNER, MIKE	NV...SX-110	4	LOVETT, BRANDON	OH.DX-150A
3	BEAL, BART	WA...DX-150B	1	MAHONEY, MIKE	IN...S20R
3	BECK, ROBERT	OH...NC88	1	MAYER, ALAN	IL...SB-310
1	BENEDETTI, W.	CA...51J3	1	MCCCLAIN, LOIS	CA...SPR4
3	BODEL, BOB	OR..TR-6002	4	MEEHAN, JIM	CA...SX-190
1	BROOKER, JIM	MI.....??	3	MILLER, AL	OH..HRO500
5	BROOKS, AL	CT...DX-150A	5	MILNER, GUS	CA..DX150A
3	BUEHLER, LOUIS	MO...SX-100	5	MOORE, DON	PA..XCR-30
1	BURTON, ROBERT	OH....R391	3	MULLEN, WES	MT...SX-190
1	BUTTERFIELD, BOB	MA...HQ-100	4	NEBRON, LARRY	CA..SX-190
4	CAPILI, JIM	HI..DX-150B	3	PARIS, GREG	MI.DX-150B
1	GATEY, ROBERT	IT...SX-133	1	PASCHKE, BILL	WI...R530
1	GHABAK, MICHAEL	CO...DX-150B	2	PIMBLETT, NIGEL	ALB.DX-150A
3	CHAFFIN, DAVID	CAM...55-626	2	PETERSON, ADRIAN	SRI LANKA.?
2	CHAPMAN, EARL	PA....R-4C	1	QUINN, THOMAS	NY..SD2549
4	CHEVELAND, BILL	CA...DX-SPR4	1	RADTKE, CARL	CA...SPR4
2	CROMPTON, KEN	MA..DX-150A	3	RAMOND, BOB	MA..DX150A
3	CRAWFORD, WM.	SCOT...TR-865	1	RAMOND, MAUREEN	MA..DX150A
3	CREWS, DEMPSEY	FL...DX-150B	3	RICHMOND, KYIE	CT..A-2508
2	d'ADOLF, STEVE	ND....R-530	2	RODRIGUEZ, ED	P-RICO..D7000Y
4	DAVIS, JAMES	CA...GR-54	1	ROGACKI, STAN	NJ...S-40A
1	DAWSON, ARCH	CA...DX-SPR4	1	ROSE, JOHN	ENG.....??
1	DAY, EDWARD	CA...SX-190	1	SAMUEL, DAVID	NY.....??
3	DENNIS, AMEI	IN...SX-190	1	SEMKO, GEORGE	NY..DX150A
2	DURANT, HENRY	THAI...R-7000	1	SEYMOUR, WOODY	NC..XCR-30
6	EARHART, KEN	PA...SX-190	3	SCANNEIL, MARK	MA..SW-717
2	EICHENHORN, SANDY	MI.....SPR4	2	SCHLIDE, STEVE	W-GERM.....??
3	FAMULARO, RALPH	NJ...R-2311	3	SINGER, GARY	CA.SAT2000
4	FORTH, KARL	IL...R-390	1	SMITH, JOE	NY...SX-190
3	FROEMMING, CARY	AZ...DX-150	4	SMITH, TOM	FL..HA600A
6	GAEDE, ALLAN	CA...HQ-180	1	SMITH, WADE	MA...SX-190
1	GAVAN, DON	NJ...GR-212	3	SMITH, WOODY	TN.TRANS-O
2	GAVARAS, TOM	MN...HO-180	1	SNYDER, DOUG	CA...SPR4
1	GEIFAND, STEVE	NY..NG-183D	1	SPARKS, BILL	CA...R4B
4	GIANNINI, ROGER	IL...SPR4	3	SRIDHAR, R.	INDIA...EBS124
1	GREENALL, DAN	ONT..DX-150B	3	STRAUMANIS, ANDRIS	IL..SW-717
1	GRIFFITH, DON	MO.....R4B	2	SZOT, KEVIN	CA..NC-183
2	GUILLAUME, TOM	SD...DX-150	1	TESTA, FRANK	MA..DX-150
1	HANDLER, STEVE	IL...SX-130	5	THOMPSON, GLENN	NM..HQ145A
1	HANSEN, CHRIS	MA...S-800B	3	THURMAN, SKIPPER	IL..HA600A
2	HARDESTER, MIKE	CA...XCR-30	4	TRUBEE, BILL	HI...SW4A
1	HAUGRUD, MIKE	ND.....??	1	TRZASKUS, ROSEMARY	IL...S-125
1	HENDERSON, DAN	MD....SPR4	2	VECCHIOIA, JIM	PA....R-4C
1	HILL, ROBERT	CA....R-390	1	VOCKEROTH, JOHN	PA...SX-190
1	HOLBROOK, HANK	MD...SP-600	3	WALACE, STEVEN	PA...R-4B
1	JOHNSON, DON	CA...DX-SPR4	1	WARREN, JEFF	MA.....??
3	JONES, JACK	MS..DX-150A	3	VOGEL, WENDEIL	PA...SX-122
3	KANNRY, JOE	NY...XCR-30	2	WELIS, JOHN	NY...GE-12
1	KAYE, HAROLD	CT...SX-133	1	WHITEHEAD, JIM	MA...SX-190
1	KOLB, NEAL	FL...DX-SPR4	1	WICKETT, ROBERT	MD...S-120
3	KRATTER, JAY	NY...XCR-30	4	WOOTTEN, CHARLES	MD...GR-78
4	LANOUE, RON	MA...SER-20	3	YAJKO, ROBERT	PA..DX-120
1	LEISTNER, I & E	CA...DX-SPR4	1	ZELASKO, LEO	IN...SPR4
6	LEVIN, JAY	NY...DX-160	3	ZILMER, BOB	WI...SPR4
1	LOBDELL, CHRIS	MA....SW4A	1	ZIMAROWSKI, MARK	MA..DX-150

A big welcome to 14 new reporters: Jim Brooker,MI;Jim Capili,HI; James--Davis,CA;Tom Guillaume,SD;Nigel Pimblett, Canada;Adrian Peterson,Sri Lanka Thomas Quinn,NY;Kyle Richmond,CT;Stan Rogacki,NJ;John Rose,England;David-Samuel,NY;Mark Scanneil,MA;Steven Wallace,PA;and Charles Wootten, MD.

Thank you to 110 reporters this month. WHOOPEE. Good SPEEDX-ing

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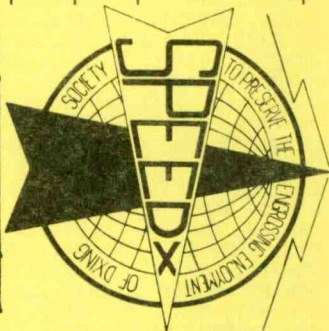
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