

SPEEDX

the dx radio magazine for active shortwave listeners

FIFTY YEARS
OF RADIO



1926-1976
IN FINLAND

MAY 1976

Vol. VI No. V



KEYNOTES



OLIVER ELLSWORTH, MANAGING EDITOR: 2043 W 75th ST, LOS ANGELES, CA 90047

CONGRATULATIONS TO 3 NEW FULL MEMBERS

CEDRIC CAWTHORNE
ENGLAND, GB

JON COHEN
WILLINGBORO, NJ

JOSEPH KURTZ
EDEN PRAIRIE, MN

Certificates of Full Membership and a copy of the SPEEDX Constitution are being mailed concurrently herewith to each of the above new members.

SPEEDX WELCOMES THE FOLLOWING NEW ASSOCIATE MEMBERS

MORTON KASDAY
PALISADES PARK, NJ

EDMUND FLORIMONT
SEASIDE PARK, NJ

ROBERT WARD
PARKESBURG, PA

JAMES BARROW
ANAHEIM, CA

EUNICE SMITH
SILVER SPRINGS, MD

TIMOTHY CASSISTA
LEWISTON, ME

YASUO ISHIZAKI
JAPAN

BEN MOIR
SASK, CANADA

NISHIMURA KIYOSHI
JAPAN

HAROLD SAWYER
WARWICK NECK, RI

KEVIN McCASLAN
DALLAS, TX

ADAM GAFFIN
BROOKLYN, NY

RICHARD MITCHELL
CUPERTINO, CA

MITUTOSI ORIYAMA
JAPAN

MARK GOTO
SACRAMENTO, CA

ROGER LEGGE
McLEAN, VA

NORIHICO OKAMOTO
JAPAN

HAROLD PETERSON
YACHATS, OR

NELSON B. RUIZ
BAYAMON, PR

YUTAKA UEDA
JAPAN

WILLIAM FARMERIE
QUE, CANADA

PAUL ROUTENBURG
ONT, CANADA

NOBUO FUKAZAWA
JAPAN

JEFF WORMAN
MILWAUKEE, WI

WILLIAM BREEDEN
BILOXI, MS

TETSUO YAMANAKA
JAPAN

ERIC BERSH
MAMARONECK, NY

ALEX GHENO
LEECHBURG, PA

WOLFGANG SIMSON
WEST GERMANY

VIGENTE GARCIA
GREEN RIVER, UT

GARY BOURGOIS
ISHPEMING, MI

WESLEY ROGERS
ONT, CANADA

Welcome aboard ladies and gentlemen, you have joined an active shortwave DX club. Our editors are looking forward to your support. This is your club, and it is only as good as the members will make it. Any questions you may have will be answered by our editors as well as Headquarters.

ANARC F-R-C...

The ANARC Frequency Recommendation Committee has the job of helping to find propagationally-suitable and interference-free channels for stations broadcasting to North America. The FRG is looking for experienced SWLs to serve as monitors. Monitors should 1) have a receiver with a readout of 5 kHz or better, 2) have a basic knowledge (not necessary expertise) of shortwave propagation, and 3) be willing to spend some time listening to transmissions beamed to North America. Interested persons should contact Kim Andrew Elliott, 317 Folwell Hall, University of Minnesota, MN 55455.

RADIO NEDERLAND MONITORING SITE

Deputy Director of Engineering Service, Mr. Jim Vastenhou, will be visiting the U.S. early next year. He will be looking for a good monitoring site in Arkansas, Tennessee, Mississippi, Louisiana or Kansas. Anyone in those States that are interested in cooperating with Jim Vastenhou in the various projects he intends to undertake, should inform SPEEDX Headquarters as soon as possible. We will then pass your name and address on to Radio-Nederland as a package.

EUROPEAN DX COUNCIL

The 10th Conference of the EDXC will take place from May 26 to May 30, 1976 at Hilversum in the Netherlands. The conference will be held in the buildings of Radio Nederland, Witte Kruislaan 55. (near by the big PTT-tower; train-connections: Hilversum-NOS-Station). Many clubleaders, DX-editors and prominent guests are expected. Every DXer is invited to join. The fee to cover the costs of the arrangements: 25.--DM. Information and Application-Forms for 1 IRC return-postage from: W.S. Franken; P.O. Box 234; Amtelveen; Holland.

SOUTHERN CALIFORNIA AREA DXERS

Would you believe, SCADS will meet Saturday & Sunday, May 29 and 30, of the 3-day Memorial Day weekend from 10 AM Sat. through 6 PM Sunday. Registration is \$2.00 at the door, Bel Air Motor Hotel, 140 W. 1st Street, Tustin, CA 92680. Phone 714-544-5560. For a complete information flyer, questions, bus schedules, etc, write Don Erickson, 6059 Essex Street, Riverside, CA 92504. Phone 714-687-5910.

SPEEDX HANDOUTS

From time to time, SPEEDX prepares Items for our members and DX friends for the price of a SASE. Our latest "Handout" is SPEEDX loggings, by Frequencies for January, February and March for SPEEDXers only. Our overseas members may obtain the "Handouts" for two IRCs in place of a SASE. Watch this page for further SPEEDX items.

WORLD DX CLUB YEAR 1976

The Ontario DX Association and the Canadian Handicapped Aid Program are pleased to announce an ALL CLUBS RALLY, jointly sponsored by ODXA & CHAP. All DXers and SWLs are invited to attend. Dates: July 31 & August 1, 1976. Oddfellow's Hall, Kingston, Ontario. For full information, contact: All Clubs DX Rally c/o The Ontario DX Association, 23 Lamont Ave, Weston Post Office Toronto, Ontario, Canada M9N 2J9

LOST STRAYED OR STOLEN


SPEEDXER Hubert O. Paulson Jr, 422 Dale Drive, Lincoln NE 68510, has advised us: Grundig Satellit 210, Transister 6001 portable SW radio, Serial number 219231 has been stolen. Time of theft, a 1 piece rechargable battery pack, gray in color was attached. DXers should be watchful.

ITEMS FOR SALE

DX-160 in good shape, asking price: \$110.00. Contact Rich Mitchell, 10095 Alhambra Ave., Cupertino, CA 95014. Phone 408-996-8037

AKAI four tract stereophonic 7" reel to reel tape recorder. Model 1722W new. Asking price: \$150.00 Many extras including Lafayette mike. Contact John Basta, 250 So. 8th Street, Lindenhurst, NY 11757 for details.

Source for mint stamps (unused stamps for countries other than USA) is: DX Stamp Service, 83 Roder Parkway, Ontario, NJ 14519. Send a SASE for a list of stamps available and the price. Many countries will not accept IRCs. Tell them that SPEEDX sent you.

 A toot of the horn to DX PARTY LINE, celebrating their 15th year with a special QSL card this month for reports to that programme. SPEEDX also wishes congratulations to host Clayton Howard. May marks his 35th year with HCJB in Quito, Ecuador.

1976 ANARC CONVENTION

PLACE: HOLIDAY INN, 9901 SOUTH LA CIENEGA BLVD., LOS ANGELES, CALIFORNIA 90045. This is near the L A Airport.

DATE: Friday July 23 through Sunday July 25, 1976.

ROOM RATES: Singles \$18.00 - Doubles \$24.00.

REGISTRATION FEE: \$14.50 w/banquet - \$10.00 w/o banquet.

BANQUET: To be Saturday evening. Price is included w/\$14.50 fee.

TENTATIVE SCHEDULE: Prominent speakers.....Tours including;AFRTS Taping facility, L A Airport TRACON Computerized Air Traffic Control, Coast Guard Radio Facility.....Large equipment display featuring radio receivers and assessories.....HAP Auction.....and more.

CONVENTION HOST: SCADS (Southern California Area DXers) headed by Don Johnson, Stewart Mackenzie & John Clements.

CONVENTION ADDRESS: ANARC 1976, P.O. Box E, Elsinore, California 92330.

SPECIAL NOTE: Attendies are encourage to arrive in the Los Angeles area early & leave late. Many attractions are within an hour or so of the ANARC Convention site, such as; Disneyland, Knott's Berry Farm, The Queen Mary, Marineland, Hollywood Studios plus many more.

RESERVATIONS: All inquiries, reservations and other ANARC matters for the convention should be directed to; ANARC 1976, P.O. Box E, Elsinore, California 92330 as early as possible. July is a busy month in the Southern California area. Send a SASE for additional information and a registration form.



NEW

SPEEDX ON THE MOVE!

Again this month we offer another helpful DXing aid to members. Now available to SPEEDX Club Members only, is a 16 page FOREIGN LANGUAGE REPORTING GUIDE edited by Gerry Wood of RSA fame.

Chock full of phrase & vocabulary lists in:English/Portugese/French and Spanish, this booklet will enable you to write a good reception report in any of these languages. This is the best guide of this type HQS has seen to date. Cost is 50¢ for associate members and 25¢ to FULL MEMBERS. Order from club HQS. Stamps or cash OK. Get your copy now.

* * * * *



THANKS to those who have sent in utility material for the new utility book we are working on! It's appreciated! How about you other ute DXers? We are extending the deadline to 1 September so you still have time to dig up some useful utility information. Send what you have, and what you come up with before Sept 1st, to SPEEDX HQS. Material is distributed to our publishing committee.

AND SPEAKING OF THE UTILITY PUBLISHING COMMITTEE....."Mister Utility" Paul Mayo will be heading up the committee. As most know, Paul was co-author of the previous two utility books that SPEEDX published and is well qualified. Paul is looking for another good ute DXer or two to complete the publishing committee. If interested drop Paul a note at:P. O. Box 6111, Newport News, VA 23606

SPEEDX

will keep you in touch



DX MONTAGE

RESEARCH/COMPILATION/REDACTION by A. W. BROOKS

74 Massachusetts Road

Oakdale, Connecticut 06370

ARRIVEDERCI, CALTANISSETTA (or "Roma Or Not To Roma"): Sono arrivato in Italia e Sardegna, però bisognerebbe trovarsi nei nostri piedi, per conoscer quanti impicci nascono in queste materie... opps... sorry 'bout that! Arrival in Italy or Sardinia these troubled days can produce problems you cannot imagine. In a country now often reduced to using telephone tokens as an accepted medium of exchange the last thing with which the general Italian populace is liable to be concerned is the broadcast times of RAI's Caltanissetta relay. Undaunted by airplanes that may not depart or trains that may not arrive I decided to seek out RAI for an authoritative answer to the DX mystery "does she or does she not"... i.e., is RAI programming on 6060 KHz being transmitted directly from Rome or relayed via mid-Sicilian transmitters. Previous attempts to find out through correspondence... including a September, 1975, reception report as yet unanswered... had been personally unsuccessful. As with all current actions in Italy my face-to-face approach seemed to be failing until... at last... I was able to reach someone at RAI possessing knowledge of the particular piece of elusive information I sought. Was it worth it? Probably not! For on my return to the States I discovered that during my absence a card acknowledging that September report and confirming the information that I had obtained in Rome... that Caltanissetta ceases to relay the All-Night program at midnight GMT and Rome commences broadcasting the program at that time. Meglio tardi che mai... però non me roperere le sassoline!

rai
rai
rai
rai



Radiotelevisione Italiana

ACORNS FROM OAKDALE:

A linguist is a man who masters every tongue but his wife's...



PROGRAM NOTES: Finland's celebration of 50 years of radio commences during this month and continues through September... Australia plans a major shift in program format with the new transmission period beginning this month. The ever popular "Voice of Viet-Nam" has been dropped from Havana's Sunday fare.

STEERABLE ANTENNA FOR THE ANDES: HCJB, like many other broadcasters, feels they are being forced to grow or be buried by the cacophony of confusion on the SW dial. "PROJECT 500", a 500KW transmitter development program, is currently underway for HCJB at the Crown International electronics firm in Indiana. The indispensable link between the big transmitter and the listener will be a new giant steerable antenna now under construction at HCJB's transmitter site...

YOU'RE NOT LIKELY TO HEAR IT ON DEUTSCHE WELLE, BUT... most foreigners think of Germany as a compulsively clean place... a land of tidy houses and well-scrubbed faces. Like most national stereotypes, this one turns out to be inaccurate. In fact, a recent nationwide survey dug up a lot of dirt on the West Germans. For example, the poll showed that only one in eight German males washes more than his hands and face on a daily basis, quotes the 26 April edition of Newsweek. West Germans, the item states, cannot be called dirty, though another poll showed that fully 40% of them bathe or shower only once a week and a third survey found that 43% of all Germans never brush their teeth. Social scientists are struggling to digest these discoveries. One German sociologist suggests that the country's "Calvinist ethic" leads to the belief that overdoing cleanliness is a form of self-indulgence. However, sales of toothpaste, soap, and cosmetics seem to be booming. Nevertheless, the report says that only one German male in six changes his underwear every day. Seems to be just one more perspective on "ring around the collar"....





DX MONTAGE



The SOAP BOX

A DIVISION OF "DX MONTAGE"

Moderator: *Ham W. Brooks*



Thoughts on signal quality evaluation are next advanced by Illinois DXer Andris Straumanis as follows:

"Back in May of 1973 SPEEDX switched from using a one-word signal quality rating in its loggings to the SIO code. Nobody seemed to mind much. In January 1974 DX MONTAGE reported some of the problems encountered by DXers in trying to evaluate a signal with a "code" such as SINPO, SIO, or whatever. The SOAP BOX of October 1974 presented three DXers' views on the problem. I hung my head in shame, never to use SIO 555 again. Thus ended another one of the many uncertainties of DXing. Nothing had been gained from discussion. DXers were still as confused as they had been before all the rhetoric...

"As DXers we have basically two codes from which to choose, the SINPO or the SIO. The SINPO code seems a thing of the past. It was shortened, to my knowledge, because the code was too complex and because the "N" and "P" ratings were too variable. Now we have SIO; so we have the means for evaluating a signal, but how do we do it?

"The signal strength category once had decibel values assigned. That was fine for those who had S-meters. Then it was realized that the S-meter measured all incoming signals on a given frequency. What to do? Guess? Why not?!

"How does one judge the intensity of interference? The "S" of the interfering station? The number of interfering stations? Let's try guessing!

"And now comes the overall merit. Do we average the "S" and "I" ratings? Hell, let's guess again! Obviously, we have no clear cut standards for evaluating a signal by SIO...or for that matter any other code. All we have is one big guess...

"...I propose that ANARC, EDXC, and any other coalition of DX clubs, as well as a number of broadcasters, get together and come up with standards that are acceptable to everyone and which are simple enough that they can be employed by anyone. If everyone can get together on this, maybe then we can work on something like a world-wide countries list..."

SPEEDXer George Brick of Hudson, Massachusetts, has some thoughts on the "Power Game":

"When I first started listening to shortwave 250KW transmitters were rare ...50KW and under were almost the rule. Even the countries with international targets in mind often used 100KW or less. In those days I never had a problem with receiver selectivity..."

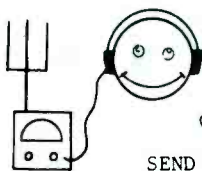
"Now, during the hours I normally listen, I have to abandon several of the bands...most notably 49-metres...because RCI, VOA, Radio Nederland, and DW totally overload my receiver. In some cases the signals are so powerful they interfere with their own transmissions on nearby frequencies..."

"That these broadcasters continue to escalate their power baffles us. Many of them already utilize relay and rebroadcast stations. Can the economics of super power transmitters be significantly lower than expanding the network of relays? These broadcasters would scream and moan about the non-compliance of some broadcasters to the ITU frequency allocations. Yet they show no concern that their high power approach will force more of the low power transmitters to move to bands allocated for other uses..."

"Perhaps the ITU should try to set power as well as frequency standards... furthermore, higher power does not guarantee either a larger available audience or better reception. Quite the opposite, if they further overload the bands, a lot of other broadcasters will have to cease operation. With less stations to listen to and select from the audience will dwindle.... Lastly, a large number of the utility stations, conceding they are on less crowded bands, manage to obtain essentially worldwide coverage with significantly lower power..."

"I do not know what the propagation effects are for transmissions from satellites in the various SW broadcast bands. I wonder if this would be at a lower cost, a more effective manner of broadcast distribution..."





TECHNICAL TOPICS

Q-MULTIPLIER? AVC? ANTENNA?
GAIN? IMAGE? TUNER?
CROSS-MOD?

AGC? S-METER?
LSB?

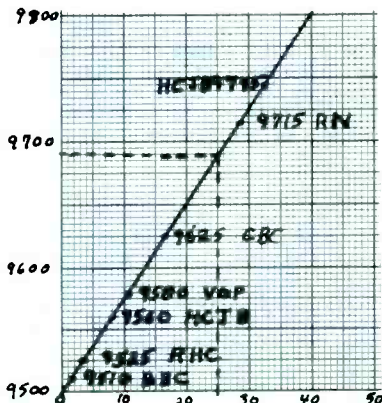
SEND YOUR TECHNICAL QUESTIONS TO:



JOHN KOLB
12532 ARABIAN WAY
POWAY, CAL. 92064

As a result of the recent KS Preselector advertising, my stack of unanswered mail looks about a foot tall. As a result, I am writing an article on preselectors, rather than answer each letter individually. It should be finished by the time you read this, so send a SASE (legal size- if you only have small envelopes, just send a stamp) if you want a copy. The rest of you in the stack, be patient.

One of the letters in the stack asked how to read frequency more accurately on their receiver, since I had said they couldn't add a frequency counter. One method is to make graphs for each band, using the logging scale (bandspread). The graph at the right is an example. A crystal calibrator will be a great help in making and using these graphs, but is not mandatory. This method is for receivers which have both a main tuning dial and a bandspread dial. The bandspread dial must have a logging scale, usually marked 0-100. Ignore the ham band calibrations if any. This graph is the same as the bandspread tuning scales that would be provided if there were room for them. Once made, the graph is used as follows: tune the main tuning control to the starting point for the desired band. (the 31 meter band will be used for this example) From previous experience, you will know about where it is on the dial, but for accuracy, you should refine the setting



either by setting the logging scale to zero and tuning in the crystal calibrator or at 9500 kHz, or by locating a known station on the air, say, HCJB on 9745, setting the logging scale for the proper reading, $32\frac{1}{2}$ in this case, and tuning the main tuning control exactly until this station is tuned in again. Once the main tuning is set, all tuning is done with the bandspread tuning control, and your frequency is found by finding your present bandspread setting on the graph, and reading the freq for that setting. If the bandspread setting were 25, then the freq would be about 9690. Making the graph isn't hard, just time consuming. Start by marking 0-100 along one edge of your graph paper, and whatever seems a reasonable frequency spread along the other axis. Find a starting point with your calibrator or by picking a known station at random. Mark this frequency and logging scale reading point on the graph. Tune the receiver to another station, and wait for an identification or frequency. Plot this freq and logging scale reading on the graph. VoA and Radio Moscow aren't very useful for this, as there are so many of these you cannot tell which freq you have. Continue adding to the graph point by point. After awhile, you will have enough points to join with a line. This will most likely be a curved line, not straight like the example. Draw the smoothest line that will fit the points. You may find the high end of the logging scale goes outside the desired SWBC band, and you run out of room at the bottom end; example 0 equals 9525, not 9500 or below. In this case, you will have to move the main tuning slightly and start over. It will probably take several attempts to find the best starting point to best cover the band. It may be you will need two separate graphs to cover some bands. If you have a crystal calibrator with 100 kHz markers, it will aid greatly in setting the starting points and band edges. If you have a calibrator with 10, 20, or 25 kHz markers, the whole graph can be made in an hour or less. I don't know where this method started: I first saw it in Hank Bennett's column in Popular Electronics in the late '50s.

I would like to recommend as the single best book I've seen on receivers "Understanding and Using Radio Communications Receivers" by John Schultz. TAB books # 614. TAB Books, Blue Ridge Summit, Pennsylvania 17214. Price was \$3.95 in 1972 (date of issue).



HAPPENINGS

HANDICAPPED AID PROGRAM

TED POLING -HAP DIRECTOR
P. O. BOX 163
MT STERLING, IL 62353



SUPPORT WORLD DX HANDICAPPED AID CAMPAIGN

Thanks to a lot of work by our good friend Don Johnson, we now have copies of all the past "HAPPENINGS" columns gathered together in one place. They started with a tiny notice in the classified section of Jack White's SPEEDXTRAS column in the Jan. 1972 issue of SPEEDX. Nothing about HAP appeared in the Feb. 1972 issue, but from that time forward, something in the nature of HAP News has appeared in every issue. The "HAPPENINGS" title first appeared in July 1972. The first full page column appeared in September of that same year. I wonder if Jack White knew what he was starting with that one little ad way back in Jan. 1972? A lot of people, y'r o'b'd't s'v't included, have a lot of reasons to be grateful to a number of people who have been with us since almost the beginning of things.

Gene Moser and Bill Paschke come to mind first of all. Both have since had to leave HAP, but they did the ground work. Harry Van Gelder of R. Nederland offered airtime to HAP in late 1972, and is still active with this and HICC. Alan Brooks started with HAP at the same time and is still doing our annual Christmas page. Arthur Cushen first prepared a blind DXer's instruction tape in late '72, and is now acting as chairman for Oceania. Don Johnson came aboard in early '73 as HAP Chaplain, and is now functioning as West Coast Equipment Manager, SCADS Auction Operator, Duplicator and Advisor. Evelyn Dolyak joined HAP in March '73, and we hope she will soon be able to resume as HAP's Hospitality Hostess, a job she's been doing well for quite some time.

These are just a few of the people we are grateful to for their faithful support as active HAP workers. Thanks!

A private donor has just given HAP a GR-78 receiver. Thank you, Sir!

HAP and CHAP have balanced the books on the tapes project to date, and rebates to those HAPs to which they are due have been made.

Our new application form has been approved and is about ready to be put in use. I hope all HAPIes who received a SPEEDX survey form will send in their replies promptly. A couple of items of bad news: we've just heard of the recent illness of Don Johnson's mother which necessitated a week-long trip to Idaho for him. We send along our best wishes to her, and hope that Don has worked himself out from under the backlog of mail.

The second item of bad news (for HAP, at least) is that Jon L. Feighner of Kansas City, KS will be going to school in Mexico for the months of June, July, and part of August. He's been doing the column for some time and will be surely missed, but we want to congratulate him on this appointment and wish him luck during his stay there. So now HAP desperately needs someone to volunteer to do this column. The man I was depending on to take up the slack if necessary has lost the use of his typewriter and does not expect to have it back till April or May. So if there is anyone out there who has good typing skills, the time to type up a 600-word column every month, and who knows how to prepare material for offset printing, please contact HAP headquarters, if necessary, we can show someone who can type how to prepare work for offset printing.

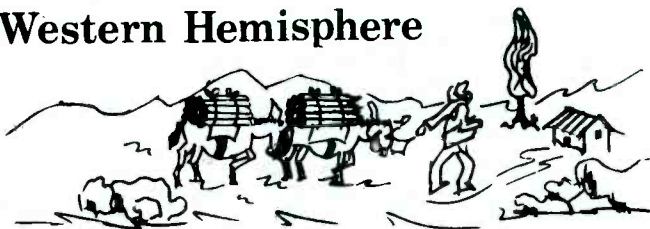
73's:

Ted

SWBC DX - Western Hemisphere

— EDITOR —

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



BALMACEDA CLOSED AGAIN

In March the military government of Chile closed Radio Presidente Balmaceda for six days and arrested its controversial manager, Belisario Velasco. In announcing the action Undersecretary of the Interior Enrique Montero claimed Radio Balmaceda's news broadcasts were biased and "liable to produce alterations in public order". Velasco, it was reported, was removed to Putre, a remote community near the Peruvian border, where he will be "detained".

Christian Democrat controlled Radio Balmaceda has had a stormy history. In the last days of the Allende government the station led the opposition and was frequently closed for its trouble. Since the coup Balmaceda's situation has changed little. Despite a ban on all political activity, the Christian Democrats have maintained their party structure. As their mouth-piece, Radio Presidente Balmaceda is a thorn in the government's side. The latest closure, the second since the coup, is a clear warning to the Christian Democrats to stay in line.

SACKVILLE UNMASKED

Four replies were received to last month's request for information regarding the schedule of the BBC Sackville Relay. Greg Calari checked in with the schedule from the May "London Calling" which, if we can believe it, lists the following usage of the Canadian relay facility.

<u>Frequency</u>	<u>Time (GMT)</u>
5990	1100 - 1215
6175	2300 - 0430
9510	2300 - 0030
9580	1600 - 1715
15385	1100 - 1215
	1600 - 1715

This same schedule shows the 9510 outlet originating from Daventry in the U.K. during the prime time hours 0031 - 0330 although Glenn Hauser believes this is actually relayed via the Voice of America transmitter site in Greenville, North Carolina. Daventry is also listed as the source of the signals on 9580 khz from 2115 to 0030 followed by a switch to the Atlantic Relay on Ascension Island for the 0031 - 0330 GMT time slot.

COLOMBIAN INTERLUDE

While in Colombia for a January vacation SPEEDXer Colin Perry dropped in on one of that nation's newest broadcasters, La Voz de Huila. The following is his report on that visit.....

After a week in Bogotá and its environs we travelled overland to San Agustin, an archeological park 310 miles south of the capital famous for its pre-Colombian stone statues and artifacts. The journey to San Agustin took two days and included an overnight stop in Neiva, the home of La Voz de Huila.

Though I had listened to the station just prior to my departure, I did not make the connection until we were underway the following day. As we careened towards San Agustin in our kamikaze taxi I happened to notice a large antenna that was visible from the road. On learning that it belonged to La Voz de Huila I resolved to visit them on the return leg of my journey.

Our happy-go-lucky driver somehow managed to get us safely to San Agustín and back to Neiva. Once there I talked our guide into accompanying me and, after a brief search, located La Voz de Huila on a quiet side street. After scaling the stairs to the station's second floor quarters we were cordially greeted by station manager R. Navarro T.. He showed us around the small but adequate studios and we talked awhile in his office.

It was quite obvious that the station has received reports from all over the world. The manager's desk was covered with foreign postage stamps neatly arranged under a heavy plate of glass. I promised to send them a report as soon as I returned home and, as a parting gift, was given a dozen of the station's pennants. It was a pleasant experience I will long remember.

Colin advises that he sent the promised reception report but has yet to receive a reply. He strongly recommends Colombia as a vacation spot and notes the prices are reasonable and the people friendly. He also sends warning to watch out for the pickpockets in Bogotá but doesn't say if that is the result of a personal experience.

SNAIL SERVICE

Before I get on to the loggings let me just note that I received more than 15 reports after the deadline this month and the number seems to grow each month. A letter mailed from Texas on 12 April arrived here on the 17th along with a letter mailed from Minnesota the same day. This month I started late because of the Easter holiday but I usually start right on the deadline. So, please, please mail early so your reports are in my mailbox by the 15th of each month.

And so to the loggings... Remember all times are GMT, all dates are in the month/day format, and reception conditions are reported in the SIO code.

* * * * *

ARGENTINA

- 5985v 0915 LRS2 R. Splendid:w/ military march mx, OM reads "Comunicado #15 de la junta de comandancia", ID (111 3/24 Vilar6-FR)
(322 0930 w/ mx, tlc 3/17 Tannenwald-NY)
- 6060 0824 LRA31 R. Nacional:w/ mx, frequent TCs, bank ad (232 4/12 Fleming-TX)
- 6090 1000 LR11 R. Belgrano:w/ mx, nx, ID (333 3/26 Tannenwald-NY)
- 6120 0620 LR11 R. El Mundo:w/ LA mx, YL ancr ID (333 3/15 Gebhardt-IA)
(332 0645 3/31 Miller-WA)(434 0320 3/23 Miller-CA)
- 6180 0840 LRA34 R. Nacional, Mendoza:w/ mx, spts rept, ID into nxcst
(232 4/6 Fleming-TX)
- 9690 0600 LRA32 Radiodifusión Argentina al Exterior:w/ pop tango mx
(222 3/4 Arneson-MO)(Miller-WA)(Cohen-NJ)(Pimblett-ALTA)
(Gelfand-NY)(Cleveland-CA)(Redman-IL)(Earhart-PA)(Brookwell-CA)(Stephenson-CA)(Miller-CA)(Tannenwald-NY)
- 9710 0710 LRX2 R. El Mundo:w/ march mx, comunicados, anmts of "las Fuerzas Armadas han asumido el control de la Republica"
(333 3/24 Silva-CA)(333 0500 3/7 Brookwell-CA)(444 0418 3/23 Miller-WA)
- 9740 2200 LR11 R. Splendid:w/ spts event coverage (432 3/18 Zilmer-WI)
- 11710 2307 LRA35 Radiodifusión Argentina al Exterior:w/ classical and martial mx, readings of the junta's 1st proclamation, off @ 2348 after a 30 second tone (454 3/24 Gaffin-NY)(Redman-IL)(Smith-FL)(Woltman-WI)(Brooks-CT)(Yajko-PA)
- 15345 1826 LRA33 R. Nacional:w/ ID @ 1826, mx, tlc (233 4/5 Breeden-MS)

BELIZE

- 3300 0445 Radio Belize:w/ MOR mx, nx, prayers for country, government, and other things before 0509 off with GSTQ (222 3/6 Baumgartner-ONT)(322 0440 4/1 Gebhardt-IA)(343 0500 4/1 Loverti-OH)(433 0430 3/26 Kelly-TN)(343 0235* w/ BBC nx mx, off w/ choral anthem 3/22 Gaffin-NY) I believe that this last logging is Grenada, not Belize. Sorry about that!

BOLIVIA

- 4875 1015 CP75 La Cruz del Sur:w/ rel. mx, tlc by OM & YL in unidentified language, possibly Quechua (222 3/28 Grider-MD)

BOLIVIA (cont.)

6035 1050 CP92 R. Panamericana:w/ OM ID, much tlk (433 3/27 Estes-MS)
 (332 1100 3/26 Jones-MS)

BRAZIL

- 3285 2300 ZYK28 R. Olinda:w/ ball game, mx, ID (211 3/21 Vilar6-PR)
 3325 0015 ZYL26 R. Gazeta de Alagoas:w/ PP tlk, pop mx (322 4/1 Zilmer-WI)
 3405 1103 ZY??? R. Xapurí:w/ PP tlk, some rel. mx (232 3/22 White-FL)
 4755 0055 ZYF23 R. Dif. do Maranhão:w/ U.S. pop mx, several PP IDs
 (322 3/26 Redman-IL)
 4785 0930 ZYM8 R. Ribamar:w/ ID, mx, laughing OM (323 3/21 Vilar6-PR)
 4805 0150 ZYS8 R. Dif do Amazonas:w/ Brazilian mx, ads, ID, abrupt s/off
 @ 0201 (333 3/10 Baumgartner-ONT)(222 0300 3/5 Lovett-OH)
 (323 1328 3/19 Naylor-CA)
 4855 0300 PRC5 R. Clube do Pará:w/ OM tlk, Brazilian mx (342 3/15
 Miller-OH)(Bixby-CA)(Brookwell-CA)(Jones-MS)
 4895 0921 PRF6 R. Baré:w/ ads, IDs, easy listening mx, evidently *0900
 (232 3/28 Laves-TX)
 4985 0650 ZYF208 R. Brasil Central:w/ songs, ads, "Happy Birthday" tune
 (343 3/13 Earhart-PA)(Miller-WA)(Jones-MS)(Pimblett-ALTA)
 (Cleveland-CA)(Redman-IL)
 5015 0030 ZYX24 R. Cultura de Cuiabá:w/ tlk, pop mx (322 4/2 Zilmer-WI)
 5055 2300 ZYV32 R. Educadora Sobral:w/ TENTATIVE w/ steam whistle, OM
 tlk in PP, occasional mx, unable to get a definite ID (332
 3/17 Earhart-PA)
 5965 1015 ZYU60 R. Guaibara:w/ 5 pips, PP ID, nx (344 3/27 Estes-MS)
 (333 1000 4/7 Jones-MS)
 5955 0645 ZYE226 R. Gazeta:w/ mx, tlk, ID @ 0700 (212 3/31 Gebhardt-IA)
 6000 0915 PRK5 R. Inconfidência:w/ 2 OM tlk, occasional mx. QRM from
 TIHB (222 4/4 Fleming-TX)(333 0140 3/26 Miller-WA)
 6015 0706 ZYB85 R. Clube de Pernambuco:w/ LA mx, many IDs (433 4/1
 Gebhardt-IA)(322 0030 4/6 Zilmer-WI)(332 0854 3/30 Jones-MS)
 6095 0155 ZYB7 R. Tupi, São Paulo:w/ excited OM covering spts event
 (212 4/5 Miller-WA)
 6125 0945 ZYR233 R. Nacional, São Paulo:w/ pop mx followed by skit (434
 3/1 Miller-CA)
 6135 0900 PRC21 R. Gauchá:w/ ID, fqys, tlk, mx (322 3/30 Jones-MS)
 6185 2300 ZYR77 R. Bandeirantes:w/ tlk, mx, electronic jingles, time
 pips on the hour (322 3/19 Zilmer-WI)
 9585 1640 ZYR234 R. Excelsior:w/ Classical mx, OM tlk (322 3/24 Miller-CA)
 9595 0153 ZYN29 R. Cultura da Bahia:w/ spts event commentary, quick ad
 (434 3/18 Yajko-PA)(Miklejewski-MN)(Miller-WA)
 9635 0100 ZYE236 R. Aparecida:w/ Andy Williams mx (433 3/19 Yajko-PA)
 9645 0823 ZYR78 R. Bandeirantes:w/ mx, ads, TCs (232 4/6 Fleming-TX)
 (343 0011 3/19 Yajko-PA)
 9675 0234 ZYT29 R. Diário da Manhã:w/rapid OM ancr covering spts event
 (422 3/15 Bixby-CA)(433 0030 3/18 Zilmer-WI)
 9685 0015 ZYR227 R. Gazeta:w/ spts event commentary (322 3/19 Yajko-PA)
 9705 1140 ZYZ24 R. Mauá:w/ Brazilian mx, tlk (222 3/27 Estes-MS)
 9745 2250 ZYE419 R. Cultura da São Paulo:w/ "Voz do Brasil" pgm to 2255
 then lt. mx to 2300 anmts & ID (343 4/5 Brooks-CT)
 11765 0200 ZYB8 R. Tupi, São Paulo:w/ PP spts event commentary // 11785
 (222 3/18 Brookwell-CA)
 11780 2136 PRL8 R. Nacional de Brasília:w/ EE pgm, letters read, Brazilian
 mx (333 4/4 Sann-NJ)(242 *2059 4/4 Earhart-PA)(212 hrd under
 WYFR 2200* 4/4 Breeden-MS) Very interesting!!!!
 11785 0109 ZYU61 R. Guaiba:w/ excited soccer match commentary (333 3/19
 Yajko-PA)(222 0200 3/18 Brookwell-CA)
 11805 0015 ZYZ65 R. Globo:w/ Brazilian & U.S. pop mx (433 3/18 Routenburg-
 ONT)(Miklejewski-MN)(Earhart-PA)(Bixby-CA)(Zink-CA)(Yajko-PA)
 11865 0345 ZYB85 R. Clube de Pernambuco:w/ typical Brazilian pop mx, ads
 (343 3/24 Earhart-PA)(Miklejewski-MN)(Brookwell-CA)(Miller-
 WA)(Yajko-PA) Very nice programming here.
 11924 0023 ZYR78 R. Bandeirantes:w/ OM & YL anmts, KOed by TWR @ 0026
 (121 4/3 Miller-WA)
 11915 0045 PRC23 R. Gauchá:w/ PP spts commentary hrd underneath HCJB
 (211 3/31 Brookwell-CA)
 11935 0030 ZYS35 R. Clube Paranaense:w/ OM spts bcst (243 3/3 Baumgartner-
 ONT)
 11965 0100 PRB24 R. Panamericana:w/ ID, ads, pop mx (323 2/27 Miller-CA)
 15145 2305 ZYB87 R. Jornal do Comércio:w/ excited DJs, weird sounds, IDs
 (322 3/21 Redman-IL)(Perry-QUE)(Yajko-PA)

BRAZIL (cont.)

- 15445 2225 PRL8 R. Nacional de Brasilia:w/ Brazilian mx, tlk, IDs (333 3/29 Gion-MA)(111 0105 3/14 Miller-WA)(433 2330 3/21 Redman IL)(434 2340 2/29 Miller-CA)(433 2330 3/18 Yajko-PA)
 17815 0000 ZYE419 R. Cultura de São Paulo:w/ Patriotic drama abt Paraguay in SS, clear ID (222 3/22 Brookwell-CA)

CANADA

- 5960 0251 CBC Northern Service:w/ music selections, ID (333 4/1 Osborne-FL)(Miller-WA)(Nebron-CA)(Smith-FL)(Davidonis-MA)
 6005 1330 CFCX, Montreal:w/ wx, ski rpt, pop mx, anmts, ads, MW ID (433 3/20 Davidonis-MA)
 6070 0000 CFRX, Toronto:w/ mx, nxcst (242 4/10 Nebron-CA)(444 1430 3/20 Davidonis-MA)(434 0407 4/5 Miller-WA)
 6085 0100 R. Canada International:w/ EE svc to North America, nxcst (444 3/16 Stuart-OK)(545 0153 3/21 Miller-WA)
 6135 0430 R. Canada International:w/ spts, wx, magazine pgm (544 3/24 Miller-CA)(111 0409 3/13 Miller-WA)
 6160 2050 CKZU, Vancouver:w/ political tlk, (444 3/21 Miller-WA)
 9510 2300 BBC via Sackville:w/ world nx, "Letter from America" pgm (333 3/29 Thompson-NM)
 9580 1506 BBC via Sackville:w/ world svc. to North America noted already on at this time, probably for "Saturday Special", though sked shows 1600 sign-on (??? 4/10 Hauser-IL)
 9625 0003 CBC Northern Service:w/ "AS IT HAPPENS" w/ tlk on sex life of the foot (444 4/8 White-FL) Corny!! HI!! (Miller-WA)(Hinds-TRINIDAD)(Gelfand-NY)(Davidonis-MA)(Thompson-NM)(Miller-CA)
 9650 0140 R. Canada International:w/ "Olympic Flash Backs" (555 3/9 Smith-FL)(444 0105 3/25 Hinds-TRINIDAD)
 9655 0400 R. Canada International:w/ nx, cmntry on the "Lockheed Scandal" (333 4/2 Jernakoff-NY)(Nebron-CA)(Miller-WA)
 9770 2125 R. Canada International:w/ "Weekend Magazine" pgm, letters from listeners (444 3/20 Thompson-NM)
 11720 1550 CBC Northern Service:w/ "Judy" show w/ SS lesson (?? 3/31 Hauser-IL)
 11940 0009 R. Canada International:w/ ID, OM tlks, moderate het from R. Peking on 11945 (222 4/3 Miller-WA)
 15325 1802 R. Canada International:w/ pgm to Western Europe w/ magazine features like "The World This Week" (444 3/27 Kelly-TN)(434 2137 3/21 Miller-WA)(333 1501 3/13 Naylor-CA)

CHILE

- 9565 0157 CE956 R. Nacional de Chile:w/ "LA VOZ DE CHILE" pgm (522 3/9 Somers-CA)
 9572 0325 CE957 R. Diego Portales:w/ mx, ads, sked and anmts @ 0403 off (222 4/7 Fleming-TX)(222 1120 3/13 Miklejewski-MN)(433 0051 3/26 Bixby-CA)(332 1130 4/5 Zilmer-WI)(333 0200 4/5 Silva-CA)
 9590 0135 CE959 R. Presidente Balmaceda:w/ pop singer & live audience (322 2/29 Stephenson-CA)(322 0130 3/12 Routenburg-ONT)
 9650 0115 CE965 R. Tiki, La Dimensión 146:w/ continuous Elton John till 0128, ID by YL, more Elton John (322 4/2 Bixby-CA)(433 0015 3/17 w/ several IDs, pop mx Zilmer-WI)
 9750 1114 CE975 R. Minería:w/ nxcst, TCs, IDs, ads (343 3/31 Miklejewski-MN)(453 1056 3/16 Jones-MS)
 15150 2305 CE1515 R. Nacional de Chile:w/ "THE VOICE OF CHILE" pgm, mx (444 3/29 Richmond-CT)(Earnart-PA)(Fleming-TX)(Redman-IL)(Breedon-MS)(Stephenson-CA)

COLOMBIA

- 4755 0420 HJKC Emisora Nuevo Mundo:w/ LA mx, CARACOL promos, nx @ 0428 (433 3/14 Baumgartner-ONT)(Cleveland-CA)(Redman*IL)
 4786 0412 HJLW Ecos del Combeima:w/ mx, tlk (232 3/25 Berger-TX)
 4865 0335 HJLZ LV del Cinaruco:w/ CARACOL spts wrapup, long ID w/ QTH (232 4/8 Fleming-TX)(Gaffin-NY)(Yajko-PA)(Berger-TX)(Redman)
 4885 0430 HJIG Ondas del Meta:w/ lt. mx, off @ 0502 w/ TODELAR plug and anthem (--2 4/2 Cleveland-CA)(Jones-MS)(Redman*IL)
 4925 0043 HJJU Emisora Meridiano 70:w/ LA mx, TODELAR anmt, ID as "Esta es radioemisora HJJU Emisora Meridiano Setenta", off w/ anthem @ 0001 (443 4/4 Gaffin-NY)(343 0057 4/9 Laves-TX)(333 0049 3/26 Miller-OH)(242 2330 4/25 Whitehead-MA)

COLOMBIA (cont.)

- 4915 0445 HJSG R. Guatapurí:w/ ID, ads, LA mx (222 3/27 Uerlings-OR)
(Miller-WA)(Pimblett-ALTA)(Cleveland-CA)(Redman-IL)
(Berger-TX)(Thompson-NM)(Yajko-PA)
- 4945 0500 HJDH R. Colosal:w/ "ALEGRIA COLOSAL" pgm, lots of TCs, promos
jazzy LA mx (323 4/11 Miklejewski-MN)(Miller-WA)(Gelfand-
NY)(Stephenson-CA)(Gion-MA)(Zink-CA)(Redman-IL)(Cleveland-CA)
- 4955 0452 HJCA R. Nacional:w/ Classical mx, IDs (433 4/9 Redman-IL)(--3
0454 3/19 Cleveland-CA)(444 0452 3/13 Miller-WA)
- 4965 0401 HJAE R. Santa Fé:w/ ads, IDs, LA mx (444 4/3 Pimblett-ALTA)
(Miller-WA)(Cleveland-CA)(Butterfield-MA)(Stephenson-CA)
(Gion-MA)(Redman-IL)(Sann-NJ)
- 4975 *0928 HJ?? Ondas del Ortegua:w/ anthem, short mx, ID incl fqy,
QTH as Florencia, TCs as "La hora oficial de Colombia"
(322 4/8 Jones-MS)
- 5020 0340 HJCP Ecos del Atrato:w/ ID, LA mx, anmts (323 4/2 Miller-WA)
(333 0337 4/1 Bixby-CA)(433 0116 3/18 Yajko-PA)
- 5035 0359 HJIC LV de Caquetá:w/ ID, LA mx, tlk (433 4/2 Zilmer-WI)
(Cleveland-CA)(Jones-MS)(Miller-WA)
- 5075 0140 HJGC R. Sutatenza:w/ cerveza aguila ad, "música por la fin
de semana" (332 4/11 Miklejewski-MN)(Miller-WA)(Redman-IL)
(Gion-MA)(Yajko-PA)
- 5095 0054 HJGG R. Sutatenza:w/ ID, lt mx, nx @ 0059 (344 4/2 Miller-WA)
- 5962 1025 HJ?? LV de los Centauros:w/ "BUENOS DIAS COLOMBIA" pgm, ID
(444 3/27 Estes-MS)(Gebhardt-IA)(Miller-WA)(Redman-IL)
(Fleming-TX)(Cleveland-CA)Brookwell-CA)(Tannenwald-NY)
- 6065 0230 HJAX R. Super:w/ mx, many IDs (333 3/30 Breeden-MS)(Gebhardt-
IA)(Miller-WA)(Estes-MS)(Fleming-TX)(Tannenwald-NY)(Redman-
IL)(Brookwell-CA)(Pimblett-ALTA)(Yajko-PA)
- 6075 0125 HJID R. Sutatenza:w/ world nx hrd under DW (343 3/23 Fleming-TX)
- 6115 0615 HJIE LV del Llano:w/ LA mx, ads (434 4/4 Estes-MS)
- 6120 0625 HJ?? R. Super de Cali:w/ IDs, lively mx (434 4/4 Estes-MS)
- 6150 1000 HJIT LV de Huilaw/ mx, TCs, ads, ID (333 3/25 Tannenwald-NY)
(333 0340 3/29 Pimblett-ALTA)(333 0150 4/4 Breeden-MS)
- 6160 0704 HJKJ Emisora Nueva Granada:w/ Colombian mx, IDs (333 4/5 Zink-
CA)(Gion-MA)(Redman-IL)(Uerlings-OR)(Miller-WA)(Fleming-TX)
(Vilar6-PR)(Yajko-PA)
- 6170 0915 HJBJ LV de la Selva:w/ mx "Buenos días, Caquetá" anmts (343
4/6 Fleming-TX)(Vilar6-PR)(Baumgartner-ONT)
- 9682 1225 HJZK R. Nacional:w/ ID after sked, rel. pgm into concierto,
hetting RHC 9680 khz. Varies widely (??? 3/28 Hauser-IL)
(333 0200 on 9680 khz 3/15 Brookwell-CA)(432 0105 on 9685
khz, 3/26 Bixby-CA)(212 1700 3/30 Vilar6-PR)
- 15335 1630 HJZP R. Nacional:w/ chimes, YL ID, mx pgm (444 3/23 Estes-MS)

COSTA RICA

- 4832 0540 TIHB R. Capital:w/ few IDs, mucho LA mx (222 4/10 Jernakoff-NY)
(Miller-WA)(Cleveland-CA)(Earhart-PA)(Redman-IL)
- 5955 0555 TIQ R. Casino:w/ American pop mx, fanta spot, full ID @ 0601
(232 4/8 Breeden-MS)(233 0546 4/8 Fleming-TX)
- 6006 2335 TIHB R. Reloj:w/ IDs, mx from "Hair" (333 3/26 Cohen-NJ)
(Vilar6-PR)(Yajko-PA)(Routenburg-ONT)(Fleming-TX)(Miller-WA)
- 6150 0500 TIRS R. Atenea:w/ LA mx, tlk, TCs, many IDs (444 3/19
Jernakoff-NY)
- 6175 1146 TIFC Faro del Caribe:w/ ID, SS rel. pgm (323 4/9 Jones-MS)
- 12012 0630 TIHB R. Reloj:w/ 2x 6006 harmonic noted here with TCs, mx,
ID @ 0634 (344 4/6 Breeden-MS)(433 0112 3/31 Brookwell-CA)

CUBA

- 5900 0450 CMW R. Rebelde:w/ 10x 590 harmonic hetting IBA carrier. Audio
// 590 khz (--- 4/6 Hauser-IL) This station puts out so
many harmonics it is wise to first divide the frequency of
an unidentified station by 590 to be sure it isn't one
of R. Rebelde's many harmonics.
- 6060 0427 R. Habana Cuba:w/ SS ID, into nx (544 3/13 Miller-WA)
- 6075 0030 R. Habana Cuba:w/ SS ID, very weak (211 3/20 Brookwell-CA)
- 9525 0627 R. Habana Cuba:w/ IS, EE ID, nx, editorial (555 3/7 Gebhardt-IA)
- 9770 0141 R. Habana Cuba:w/ SS YL ID, mx pgm (333 3/20 Miller-WA)
- 11720 0130 R. Habana Cuba:w/ EE ID, nxcst (344 3/25 Richmond-CT)
- 11725 0125 R. Habana Cuba:w/ EE w/ Cuban mx, tlk on Latin American issues
(344 3/29 White-FL)(333 0120 3/23 Hinds-TRINIDAD)

CUBA (cont.)

11760 1821 R. Habana Cuba:w/ SS ID, mx pgm (344 3/13 Miller-WA)
 11815 2120 R. Habana Cuba:w/ EE stamp nx to Europe (544 3/21 Brick-MA)
 11865 2015 R. Habana Cuba:w/ New fgy to Europe ex 11815 with EE ID, mx pgm
 (444 3/21 Brooks-CT)
 11870 2045 R. Habana Cuba:w/ EE ID, pgm of Cuban mx (342 4/6 Miklejewski-
 MN)(242 2020 3/21 Miller-WA)
 11930 0130 R. Habana Cuba:w/ EE pgm of LA mx (434 3/31 Arneson-MO)(545
 0108 4/3 Miller-WA)
 15230 2358 R. Habana Cuba:w/ SS ID, IS, address (232 3/23 Miller-WA)
 15430 0050 R. Habana Cuba:w/ SS pgm // 15230 (353 4/3 Miller-WA)

DOMINICAN REPUBLIC

3365 0130 HIRL R. Exitos:w/ LA mx, tlk, ads, theme song "Volaré" heard
 often (433 4/1 Zilmer-WI)
 4780 0242 HIAQ R. Norte:w/ LA pop mx, R & R mx, apparently new frequency
 as heard on 4807 3/28 (453 3/29 Jones-MS)
 4807 1059 HIAQ R. Norte:w/ lt. mx, rel. pgm @ 1102 (322 3/28 Jones-MS)
 (232 1045 3/14 Grider-MD)
 4825 *1000 HIFA LV de las Fuerzas Armadas:w/ anthem, ID, fqys, short
 devotional, pop mx, possibly nx @ 1015, into "NUESTRO CAMPO"
 pgm (312 3/30 Jones-MS)
 4850 0650 HILR R. Clarín:w/ fiesta mx, frequent TCs, ID (333 3/28 Zink-CA)
 (Grider-MD)(Redman-IL)(Jernakoff-NY)(Miller-WA)
 4882 0000 HIJP R. Comercial:w/ LA pop mx (323 3/20 Yajko-PA)
 4930 0400 HIBE R. Mil:w/ mx, TC, frequent IDs (322 3/20 Jernakoff-NY)
 (Miklejewski-MN)(Uerlings-OR)(Redman-IL)(Berger-TX)
 11700 2208 HILR R. Clarín:w/ "CLARIN INFORMATIVO" nxcst, many TCs, IDs,
 ad for Monte Carlo cigarettes (343 3/30 Miklejewski-MN)
 (Gaffin-NY)(Zilmer-WI)(Miller-OH)(Zink-CA)(Brooks-CT)

ECUADOR

3280 *1007 HCVN7 LVdel Napo:w/ ID, TC, tlk that seemed like messages to
 various local persons (353 3/28 Jones-MS)
 3340 1122 HCFB4 R. El Mar:w/ LA mx, TC, anmts "R. El Mar-R. Tropical"
 (342 3/24 Jones-MS)
 3380 0132 HCDY4 R. Iris:w/ SS tlk, ID (333 3/22 Yajko-PA)
 3390 0420 HCOT1 R. Zaracay:w/ U.S. pop mx, ID, ads (333 3/26 Routenburg-0
 ONT)(Miller-WA)(Pimblett-ALTA)(Gebhardt-IA)(Cleveland-CA)
 (Jones-MS)
 4680 0545 HCWE1 R. Nacional Espejo:w/ ID, LA mx, Phillip Morris cigarettes
 ad (222 4/3 Gelfand-NY)(Cleveland-CA)(Miller-WA)(Redman-IL)
 (Pimblett-ALTA)(Zink-CA)(Earhart-PA)
 4772 0427 HCND4 R. Cénit:w/ OM?YL tlk, mx, Pepsi ad, anthem & off @ 0433
 (343 3/25 Berger-TX)(Routenburg-ONT)(Jones-MS)(Cleveland-CA)
 (Bixby-CA)
 4795 0310 HCAS4 LV de las Caras:w/ anmts "Radio LV de las Caras", LA mx
 (322 3/14 Jones-MS)
 4800 0737 HCMB5 R. Popular Independiente:w/ Pop Ecuadorian mx, frequent
 IDs (222 3/29 Brookwell-CA)(Cleveland-CA)(Redman-IL)
 4820 *0923 HCPS6 R. Paz y Bien:w/ ID, call, fqys, anthem, "noticias
 nacionales" (444 3/30 Jones-MS)
 4832a 1056 HCLV3 R. Luz y Vida:w/ morning mass, no sign of R. Capital
 apparently drifting (444 4/1 Jones-MS)
 4870 0048 HCGM7 R. Rio Amazonas:w/ Children singing, OM w/ call, fgy
 (232 3/16 Laves-TX)
 4910 0525 HCMJ1 Emisoras Gran Colombia:w/ lively LA mx, ID, persistent
 het (--2 3/25 Cleveland-CA)(Berger-TX)(Jones-MS)(Miller-
 WA)(Brookwell-CA)
 4923 0330 HCRQ1 R. Quito:w/ ID, into nx (343 3/27 Cohen-NJ)(Brookwell-
 CA)(Redman-IL)(Miller-WA)(Miklejewski-MN)(Jernakoff-NY)
 4940 1129 HXCZI R. Nacional:w/ ID, fqys, time pips (422 4/9 Jones-MS)
 (333 0115 3/27 Miller-OH)
 5025 0450 HC0B5 R. Splendit:w/ LA mx, TC, ID @ 0501, off after fqys &
 anthem @ 0503 (--2 3/23 Cleveland-CA)(Miller-WA)(Jones-MS)
 6050 0227 HCJB LV de los Andes:w/ Andean mx, SS IDs (434 4/3 Miller-WA)
 6075 0835 HCJB LV de los Andes:w/ Russian hymn, OM tlk, QRming LRA31
 (555 4/12 Fleming-TX)
 6095 0420 HCJB LV de los Andes:w/ "MUSIC IN THE NIGHT" pgm (444 3/13
 Miller-WA)(Miller-CA)(Arneson-MO)(Osborne-FL)(Smith-FL)
 (Thompson-NM)

ECUADOR (cont.)

- 6130 1110 HCJB LV de los Andes:w/ Russian rel. pgm (343 4/3 Earhart-PA)
(545 0618 3/19 Miller-WA)
- 9560 0615 HCJB LV de los Andes:w/ EE tlc, mx (333 3/21 Numata-JAPAN)
(Stuart-OK)(Miller-WA)(Miller-CA)(Estes-MS)(Yajko-PA)
- 9745 0715 HCJB LV de los Andes:w/ EE pgm to S. Pacific "THROUGH THE BIBLE"
(343 3/18 Smith-FL)
- 9765 1320 HCJB LV de los Andes:w/ SS hymns, tlc, ID (343 3/26 Earhart-PA)
- 11745 1331 HCJB LV de los Andes:w/ EE rel. mx (333 4/13 Kurtz-MN)(Benson-
VA)(Naylor-CA)(Smith-FL)
- 11885 0045 HCJB LV de los Andes:w/ SS pgm to S. America, rel. mx, ID
(332 4/7 Miller-CA)
- 11890 0000 HCJB LV de los Andes:w/ PP ID, LA mx (343 4/2 Miller-WA)
- 11915 0238 HCJB LV de los Andes:w/ "DX PARTY LINE" (344 3/23 Richmond-CT)
(Stuart-OK)(Miller-WA)(Butterfield-MA)(Gelfand-NY)(Kelly-TN)
(Davidonis-MA)(Yajko-PA)
- 15115 1330 HCJB LV de los Andes:w/ rel. tlc, mx (444 4/13 Kurtz-MN)
(Gelfand-NY)(Richmond-CT)(Miller-WA)
- 15160 1845 HCJB LV de los Andes:w/ Classical mx pgm, SS ID, // 15115
(343 3/27 Grider-MD)(Miller-CA)(Yajko-PA)
- 15300 2002 HCJB LV de los Andes:w/ EE rel. mx pgm (111 3/16 Stuart-OK)
(554 1950 3/20 Hinds-TRINIDAD)(554 1900 4/1 Miller-CA)
- 15310 1800 HCJB LV de los Andes:w/EE pgm here though 17755, 15300 ancd.
(333 3/21 Yajko-PA)(343 1830 3/27 Grider-MD)
- 15375 2329 HCJB LV de los Andes:w/ EE TC, ID. Into JJ pgm @ 2330 (433
3/15 Bixby-CA)
- 17730 1745 HCJB LV de los Andes:w/ "CALL OF THE ANDES" pgm, into Norwegian
(454 3/9 Smith-FL)(211 2337 w/ SS rel. pgm 2/19 Brookwell-CA)
- 17755 1957 HCJB LV de los Andes:w/ "OLD FASHIONED MELODIES", ID (333 4/6
Florimont-NJ)(544 1952 3/13 Yajko-PA)

FRENCH GUYANA

- 3385 *0915 France Regions III, Cayenne:w/ Guitar IS, into local nxcst
(333 3/16 Routenburg-ONT)(343 1136 3/24 White-FL)(222 2310
3/17 Grider-MD)(444 0902 3/24 Vilar6-PR)

GALAPAGOS ISLANDS

- 4810 0225 HCVG8 La Voz de los Galápagos:w/ LA contemps, sea gull calls
(433 3/28 Baumgartner-ONT)

GREENLAND

- 3999 1030 Grónlands Radio:w/ Lang. tlc by OM, some European type pop mx
(222 2/27 White-FL)

GRENADA

- 3300 2350 Radio Grenada:w/ International mx, ID by OM (322 3/25 Miller-OH)
(434 0000 w/ tlc on catholic youth convention 3/23 Vilar6-PR)
- 15105 2145 Radio Grenada:w/ pop & soul mx, abruptly off after TC @ 2200
(332 3/13 Zilmer-WI)(333 1950 3/19 Baumgartner-ONT)

GUATEMALA

- 2360 0100 TGBA R. Maya de Barillas:w/ tlc, mx, // 3325 (332 4/1 Zilmer-WI)
(352 1125 3/26 Jones-MS)
- 2390 0330 TGDS LV de Atitlán:w/ orchestral mx, tlc, IDs (232 3/28
Thompson-NM)
- 2420 0608 TGMX R. Rumbos:w/ at 2x 1210 this strongest MW harmonic now
observed. Rumbos apparently new name for R. 1210, noted
with TC for 10:45 then 3 mins fast. Off without an anthem
at 0608. ID mentions "Zona 7". (??? 4/2 Hauser-IL)
- 3300 0330 TGNC R. Cultural:w/ pop religious mx (444 3/28 Arneson-MO)
(Loverti-OH)(Routenburg-ONT)(Miller-WA)(Cleveland-CA)(Redman-
IL)(Vilar6-PR)(Baumgartner-ONT)
- 3325 1120 TGBA R. Maya de Barillas:w/ religious talk, mx (242 3/27 Miller-
OH)(444 1042 3/24 Jones-MS)
- 3360 0400 TGVN LV de Nahuálá:w/ LA mx, ID & off @ 0440 with anthem (322
4/1 Gebhardt-IA)(--2 0415 3/31 Cleveland-CA)
- 4825 0215 TGMN R. Mam:w/ tlcs by OM, IDs (433 4/2 Redman-IL)(333 0130
3/3 Brookwell-CA)
- 6180 0153 TGWB R. Nacional:w/ IDs, tlc (333 4/3 Breeden-MS)(Brookwell-
CA)(Tannenwald-NY)(Redman-IL)(Gebhardt-IA)(Miller-WA)

GUYANA

3290 0140 GBS Action Radio:w/ tlk on role of women in the development of Guyana (343 3/23 Gaffin-NY)(322 0930 3/16 Routenburg-ONT) (212 1000 3/19 Kelly-TN)(322 0125 3/22 Yajko-PA)(322 0236 3/24 Miller-OH)

HAITI

3345 0134 4VSO R. Station 4VEH:w/ SS speeches (323 3/18 Yajko-PA)
 6155 1120 4VWA R. Citadelle:w/ FF ID w/ echo effect, church bells, organ mx, into rel. pgm (423 3/16 Jones-MS)(Miller-OH)
 9770 1315 4VEH R. Station 4VEH:w/ EE YL talking to child (332 4/3 Earhart-PA)(444 1203 3/16 Smith-FL)
 11835 1300 4VEJ R. Station 4VEH:w/ ID, "CHILDRENS BIBLE HOUR" (342 3/27 Miklejewski-MN)(Redman-IL)(Kelly-TN)(Earhart-PA)

HONDURAS

4820 0331 HRVC LV Evangélica:w/ "AT THE CROSSROADS" pgm (343 3/18 Stuart-OK)(Miller-WA)(Laves-TX)(Jernakoff-NY)(Miklejewski-MN)(Redman-IL)(Smith-FL)(Stephenson-CA)(Kelly-TN)(Crabble-ID)(Perry-QUE)
 4844 0345 HRRD R. San Isidro:w/ TENTATIVE logging of nx, mentions of Banco Central de Honduras, many "Aqui Honduras" anmts but no station name mentioned (232 4/8 Laves-TX) All I hear here is R. Bucaramanga. ed.
 4890 1150 HRVL R. Lux:w/ "R. Lux... música ranchera" anmts, "Esta es R. Lux" IDs, TCs, IDs, ranchera mx, nx (433 3/23 Jones-MS)
 4920 0250 HRPL3 R. Progreso:w/ ad for "Banco Comercio", LA pops, ad for "Farmacia Popular", another ad for cafe "REX" (333 4/6 Miklejewski-MN)(Miller-WA)(Cleveland-CA)(Gaffin-NY)
 4965 1130 HROX R. Landia:w/ wake-up pgm, LA "country" mx, squawking noises mixed with chatter of two ancrs. Heard over rasping UTE after Santa Fé fades (323 4/2 Jones-MS)(322 0500 w/ TENTATIVE ID of "La Centroamericana" slogan 4/11 Laves-TX)
 5875 0200 HRN LV de Honduras:w/ ID, anmts (323 3/18 Yajko-PA)(332 0343 w/ coffee ad, traditional LA tunes 4/1 Bixby-CA)
 6125 2330 HRQ R. Suyapa:w/ mx, emphasized ads, "La Cariñosa" IDs (222 3/11 Tannenwald-NY)(444 2250 4/13 Estes-MS)(333 2341 3/29 Miller-OH)

MARTINIQUE

3315 0010 France Regions III, Fort de France:w/ FF nx followed by US pop mx (322 3/11 Routenburg-ONT)

MEXICO

5980 0350 XERMX R. México:w/ Mexican mx, ID (433 3/29 Pimblett-ALTA)
 9557 1631 XEQK La Hora Exacta:w/ ads, time markers each minute (151 4/9 Laves-TX)
 9705 1510 XERMX R. México:w/ Classical mx pgm, ID, off @ 1532 after anmt (343 3/14 Brooker-MI)(Jones-MS)(Miller-WA)(Bixby-CA)(Thompson-NM)
 15385 0030 XERMX R. México:w/ "MÚSICA ENTRE LOS PUEBLOS DE AMERICA" pgm (353 4/25 Whitehead-MA)(Miller-WA)(Miklejewski-MN)(Naylor-CA)(Cleveland-CA)(Woltman-WI)(Stephenson-CA)(Miller-CA)(Silva-CA)(Tannenwald-NY)

NICARAGUA

2200 0020 YNQ R. La Líder:w/ Nicaraguan nx, presumed 2x 1100 since no ID heard due to rumble of another harmonic (? 3/19 Hauser-IL)

PARAGUAY

6015 1012 ZPA6 Emisora Paraguay:w/ SS tlk, ID, comls, pop music (242 4/7 Jones-MS)
 6025 0928 ZPA1 R. Nacional:w/ LA mx, frequent TCs, ID *0900 sign-on (444 3/10 Young-CA)(Tannenwald-NY)(Grider-MD)(Jones-MS)

PERU

4790 0418 OAX8F R. Atlántida:w/ Andean mx, ID (--2 4/2 Cleveland-CA)(Berger-TX)(Redman-IL)(Yajko-PA)
 4825 1006 OAX8R LV de la Selva:w/ ID, mixing with HIFA (222 4/1 Jones-MS)
 4860 *1114 OBZ4Z R. Chinchaycocha:w/ anthem, short mx, ID, fqys, "...en la provincia de _____" andean mx (332 3/25 Jones-MS)
 4975 0415 OXC4H R. del Pacífico:w/ organ mx (333 4/6 Pimblett-ALTA)

PERU (cont.)

- 4995 0612 OAZ4C R. Andina:w/ Andean mx, ID (222 4/5 Zink-CA)(232 0321
3/25 Jones-MS)(322 3/22 Yajko-PA)
5040 0615 OCY4Y R. Libertad de Junín:w/ Andean vocals, echo ID (445 4/2
Miller-WA)(353 0855 w/ LA mx incl Herb Alpert 4/1 Jones-MS)
5960 0528 OAX7L LV del Altiplano:w/ usual LA format, ads, echo anmts many
IDs (222 2/14 Brookwell-CA) Believe this LV de los Centauros!
5970 0530 OBX4Q R. El Sol:w/ ID, "música de America Latina" anmts, TCs
(344 4/2 Fleming-TA)(333 1108 3/26 Jones-MS)
5980 0602 OBX4M R. Panamericana:w/ LA mx, ads, frequent IDs (333 3/14
Gebhardt-IA)(333 0636 3/30 Breeden-MS)(434 0555 4/1 Fleming)
6045 *1100 OCY4H R. Santa Rosa:w/ anmts, ID, into mx (343 3/27 Estes-MS)
6115 0855 OBZ4O R. Unión:w/ stn. plug, long ID "primera en sintonía
nacional", regional mx (433 4/4 Fleming-TA)
9505 1130 OAX4V R. América:w/ t/k, LA mx, Andean mx (342 3/15 Zilmer-WI)
9532 0234 OAX6G R. Nacional, Tacna:w/ OM ID, Andean mx (333 3/13 Bixby-CA)
9562 0730 OAX4R R. Nacional:w/ LA ballads, OM ID (443 4/4 Earhart-PA)
(442 1130 4/2 Zilmer-WI)
9675 1130 OAZ4L R. del Pacifico:w/ ID, rel. pgm (444 3/27 Estes-MS)
(222 1200 3/11 Perry-QUE)

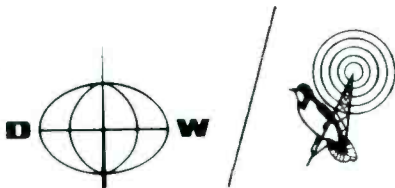
URUGUAY

- 11835 2330 CXA19 R. El Espectador:w/ LA inst. mx, ID, ads (333 3/5 Baum-
gartner-ONT)(Miklejewski-MN)(Routenburg-ONT)
15272 2315 CXA14 S.O.D.R.E.:w/ t/k, mx, spts (242 4/8 Zilmer-WI)

VENEZUELA

- 3225 *1028 YVTC R. Occidente:w/ anthem, ID, anmts (422 3/17 Jones-MS)
3245 0410 YVKT R. Libertador:w/ LAmx, ID, TC (--1 3/23 Cleveland-CA)
3255 0055 YVQL LV de El Tigre:w/ mx, ID (211 3/13 Vilar6-PR)(333 0130
w/ U.S. pop mx 3/18 Yajko-PA)(343 1033 3/25 Jones-MS)
3275 0348 YVMC R. Marañón:w/ t/k, LA regional mx, IDs (333 3/28 Thompson-
NM)(Baumgartner-ONT)(Redman-IL)(Gebhardt-IA)(Vilar6-PR)
3295 1035 YVGG R. Trujillo:w/ LA mx, ID (333 3/18 Baumgartner-ONT)
3365 0240 YVQP R. Puerto La Cruz:w/ LA mx, ads (323 3/11 Perry-QUE)
(Baumgartner-ONT)(Yajko-PA)(Gebhardt-IA)(Redman-IL)
3385 0320 YVQI R. Barcelona:w/ LA vocals, anmts (422 4/9 Redman-IL)
3395 0230 YVOJ R. Universidad:w/ TCs, Venezuelan mx (333 3/16 Routenburg-
ONT)(333 1040 3/17 Jones-MS)(333 0140 3/18 Yajko-PA)
4770 2050 YVNW R. Bolívar:w/ LA & U.S. pop mx (454 3/20 Hinds-TRINIDAD)
(433 2347 3/19 Yajko-PA)(433 0345 3/18 Redman-IL)
4780 0330 YVLA LV de Carabobo:w/ LA mx, ads, IDs (422 4/7 Redman-IL)
4800 0110 YVMO R. Lara:w/ "En Lara, R. Lara" anmts, LA mx (333 3/18
Lovett-OH)(Dolyak-FL)(Jernakoff-NY)(Miklejewski-MN)(Naylor-
CA)(Yajko-PA)(Perry-QUE)
4830 0348 YVOA R. Táchira:w/ mx, ID/TC between discs (322 4/8 Fleming-TX)
(Laves-TX)(Jones-MS)(Cleveland-CA)(Berger-TX)
4840 0245 YVOI R. Valera:w/ LA mx, "la hora exacta" (333 3/18 Lovett-OH)
(333 0350 3/14 Baumgartner-ONT)(322 2354 3/19 Yajko-PA)
4860 0145 YVQE R. Maracaibo:w/ LA vocals, IDs (422 4/4 Redman-IL)
4880 0337 YVMS R. Universo:w/ "Desde Barquisimeto, transmite R. Universo"
ID, LA mx (444 3/23 Berger-TX)(Redman-IL)(Miklejewski-MN)
(Jones-MS)(Thompson-NM)
4890 1125 YVKB Rdif. Venezuela:w/ "Aqui e Portugal" PP lang pgm (Sundays)
(545 4/4 Vilar6-PR)(Miller-WA)(Pimblett-ALTA)(Cleveland-CA)
(Redman-IL)(Thompson-NM)(Somers-CA)
4900 0153 YVNK R. Juventud:w/ LA mx, ID (444 3/17 Naylor-CA)(Redman-IL)
(Cleveland-CA)(Thompson-NM)
4940 0330 YVPA R. Yaracuy:w/ Venezuelan mx, ID/TCs (322 4/6 Miklejewski-
MN)(Fleming-TX)(Redman-IL)(Miller-WA)(Yajko-PA)
4960 0316 YVAU R. Sucre:w/ U.S. & LA pop mx (433 3/19 Bixby-CA)(444
0355 4/7 Thompson-NM)
4970 0458 YVLK R. Rumbos:w/ ID, fqys, anthem & off @ 0502 (222 3/18
Miller-WA)(Cleveland-CA)(Redman-IL)(Somers-CA)
5050 0608 YVKD R. Mundial:w/ "Emisora musical de Venezuela" ID (444 4/3
Miller-WA)(Fleming-TX)(Earhart-PA)(Brookwell-CA)(Yajko-PA)
6010 1105 YVSB R. Los Andes:w/ programa cultural "Pláticas Dominicales"
mx, ID (333 4/4 Vilar6-PR)(323 1114 3/23 Jones-MS)
6070 1034 YVSR R. San Sebastián:w/ pop mx, ID/TC (343 4/3 Earhart-PA)
9510 2335 YVXJ R. Barquisimeto:w/ ballads, IDs (444 4/6 Earhart-PA)(233
3/31 Breeden-MS)

SWBC DX EUROPE / AFRICA



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DEADLINE: 15th of the month

Times & Dates: GMT

Frequencies: kHz

-Europe-

ALBANIA

- 50574 0504 R. Girokaster: Albanian w/ folk mx, weak (131 3/13 Bixby-CA)
6200 *0330 R. Tirana: Eng nx, commtry (444 4/4 Lunstrum-FL);(Smith-TN);
(Uerlings-OR);(Osborne-FL);(Baron-PA);(Miller-WA)
7065 0005 R. Tirana: Eng ID, nx (222 3/25 Rojewski-WA);(433 3/19 Yajko-PA)
7300 0429 R. Tirana: Eng w/ IS, ID, nx (232 3/27 Pitts-OR);(Miller-WA)
(Freed-QUEBEC);(Thompson-NM)
9480 0000 R. Tirana: Eng nx // 7065 (333 3/20 Zilmer-WI);(322 3/20 *0430 Uerlings-OR);(323 1930 3/16 Beaudoin-CT)

AUSTRIA

- 6015 0500* Osterreichischer Rundfunk: Eng ID and s/off (444 3/25 Loverti-OH);(222 0430 3/23 Uerlings-OR)
9770 *0130 ORF: Eng nx, feature (433 3/22 Cohen-NJ);(433 3/22 Fowler-ONT);
(343 3/25 Yajko-PA);(444 3/23 Schwartz-DE)
15225 1835 ORF: Eng w/ ID, commtry, to Afr (233 3/24 Uerlings-OR)
17770 1845 ORF: Eng tlk to Afr (343 3/20 Yajko-PA)

AZORES

- 4865 2350 Emissor Regional dos Acores: Port prgr (323 3/24 Schwartz-DE)

BELGIUM

- 9730 *0015 BRT 4: Eng w/ "Brussels Calling" prgr to NAM, 0045* (333 3/23 Brededen-MS);(433 3/23 Brooks-CT);(433 3/23 Zilmer-WI);(444 3/26 Earhart-PA) Listed as 9755 but have moved here instead.

BULGARIA

- 6070 2151 R. Sofia: Eng nx, ID @ 2153 (222 3/13 Miller-OH)
9700 0050 R. Sofia: Eng w/ mx (554 3/21 Boyd-NFLD);(Yajko-PA);(Baron-PA);(Lunstrum-FL);(Rodriguez-PR);(Scannell-MA);(Rojewski-WA)

CZECHOSLOVAKIA

- 5930 0330 R. Prague: Eng w/ contest info (333 3/23 Uerlings-OR);(Boyd-NFLD);(Schwartz-DE);(Richmond-CT);(Miller-WA)
7345 *0100 R. Prague: Eng nx, commtry (433 3/25 Hinde-TRINIDAD);(Smith-FL);(Miller-WA)
9540 0108 R. Prague: Eng commtry (454 3/24 Boyd-NFLD);(333 0136 3/25 Yajko-PA)
11990 1735 R. Prague: Eng w/ nx review, to Afr & Asia (253 3/21 Fowler-ONT);(Rojewski-WA);(Straumanns-IL);(Boyd-NFLD)
17840 1530 R. Prague: Eng nx (333 3/20 Beaudoin-CT);(322 1755 3/21 Zilmer-WI)

DENMARK

- 15165 1557 R. Denmark: Danish/Eng IDs, IS, Danish prgr (323 3/22 Fleming-TI)

FINLAND

- 15110 *1400 R. Finland: Eng Mailbag (434 3/21 Perry-QUEBEC);(333 4/9 Freed-QUEBEC)

FRANCE

15200 1600 R. France International: Eng "Paris Calling Africa" (252 4/3 Radtke-CA);(433 3/22 Stephenson-CA)
 15210 1730 RFI: Eng nx (434 3/20 Yajko-PA);(454 3/28 Gion-MA);(222 3/13 Miller-WA)
 15300 1600 RFI: Eng prgr // 15115 15200 15315 (333 3/29 Breeden-MS); (444 3/28 Davidonis-MA);(444 1412 Freed-QUEBEC);(433 3/21 Zilmer-WI)
 17720 1700 RFI: Eng nx, requests (545 3/20 Dolyak-FL);(343 3/21 Grider-MD);(433 3/21 Stephenson-CA);(444 3/20 Yajko-PA)
 21580 1610 RFI: Eng prgr (333 3/28 Smith-FL)

GERMANY, DEMOCRATIC REPUBLIC OF

7260 *0515 R. Berlin International: Port w/ IS, ID, nx (333 4/7 Breeden-MS)

GERMANY, FEDERAL REPUBLIC OF

6010 0128 Deutsche Welle: Eng w/ nx, commtry (333 3/19 Thompson-NM); (544 3/29 Boyd-NFLD)
 6075 0131 Deutsche Welle: Eng nx, ID, 0150* (444 3/22 Straumanis-IL); (444 3/24 Miller-WA)
 6100 0130 Deutsche Welle: Eng nx (433 3/14 Grider-MD);(Miller-WA); (Yajko-PA)
 6185 0529 Deutsche Welle: Eng nx (555 3/23 Miller-WA)
 7150 0510 Deutsche Welle: Eng w/ nx, Afr svc (433 3/17 Rojewski-WA)
 7265 0415 Sudwestfunk: Ger w/ commtry, ID @ 0430, Ger and U.S. pop mx, foreign and domestic nx, ID as "Der Sudwestfunk" (323 3/23 Schwartz-DE)
 7270 0320 Voice of America, Munich: Eng commtry, mx (333 3/19 Smith-FL)
 9545 0145 Deutsche Welle: Eng nx (333 3/21 Bowers-VT)

GREAT BRITAIN

3952 0620 BBC: Eng nx, press review (333 3/18 Smith-FL)
 5975 0350 BBC: Eng w/ financial nx (444 3/25 Thompson-NM)
 7185 0750 BBC: Eng w/ African nx (322 3/25 Osborne-FL);(232 3/18 Miller-WA)
 7325 0059 BBC: Eng w/ horseracing feature, nx (434 3/23 Miller-WA); (423 4/13 Freed-QUEBEC)
 9410 0604 VOA, Woofferton: Eng nx, commtry (333 3/25 Smith-FL)
 9410 2000 BBC: Eng nx (322 4/9 Gelfand-NY);(433 3/23 Osborne-FL)
 11950 1530 VOA, Woofferton: Estonian nx, Eng ID @ 1600 (222 3/20 Davidonis-MA)
 12040 *2200 BBC: Eng w/ Falkand Islands Service on Sun only, mx, tlk (444 3/21 Cohen-NJ)
 12095 1700 BBC: Eng nx, "Letter from America" (444 3/22 Rojewski-WA)
 18080 1426 BBC: Bengali w/ Asian Svc, tlk (per WRTH lang) (444 3/21 Yajko-PA)

GREECE

7215 2115 Voice of Greece (ERT): Eng w/ flute IS, nx (323 3/18 White-FL)
 9760 *0015 Voice of Greece (ERT): Eng nx (333 4/14 Butterfield-MA); (Zilmer-WI);(Cohen-NJ);(Loverti-OH);(Estes-MS);(Oliver-NH); (Beaudoin-CT);(Earhart-PA)
 11925nf*1800 Voice of Greece (ERT): U/lang w/ IS, anthem, 1815 w/ Eng nx (444 3/20+ Bodell-OR)

HOLLAND

11730 1850 R. Nederland: Eng "What's New" (333 3/13 Pimblett-ALB);(444 3/22 2200 Rojewski-WA);(444 3/25 Hinds-TRINIDAD)

HUNGARY

6000 *0200 R. Budapest: Eng w/ IS, nx (433 3/26 Scannell-MA);(Baron-PA); (Fowler-ONT);(Yajko-PA);(Radtke-CA)
 7220 *0300 R. Budapest: Eng tlk, mx (232 3/22 Miller-WA);(333 3/17 Butterfield-MA);(322 0200 3/21 Rojewski-WA)
 9833 1221 R. Budapest: Eng tlk (333 3/17 Yajko-PA)

ITALY

6010 0100 Radiotelevisione Italiana: Eng nx (433 3/21 Estes-MS); (Straumanis-IL);(Rojewski-WA);(Baron-PA);(Freed-QUE); (Richmond-CT)
 7275 0440* RAI: Eng nx (323 3/22 Cohen-NJ)

LUXEMBOURG

6090 0100 Radio Luxembourg: Eng w/ rock mx (323 3/26 Bowers-VT);(333 3/15 Fleming-TX);(333 3/26 Richmond-CT)

MALTA

6100 0315 Deutsche Welle, Cyclops: Ger tlk (333 4/9 Smith-TN)
 9745 0400 Deutsche Welle, Cyclops: Ger ID, IS, nx (142 3/31 Gebhardt-IA)

MONACO

7105 0659 Trans World Radio, Monte Carlo: Eng w/ ID, rel tlk (242 4/2 Zimarowski-MA);(Smith-FL);(Cohen-NJ);(Lunstrum-FL);(Breedon-MS);(Osborne-FL)

NORWAY

11825 2000 R. Norway: Eng nx (433 3/21 Rojewski-WA)
15170 1410 R. Norway: Eng nx about Norway (433 3/21 Yajko-PA);(Freed-QUE);(Beaudoin-CT);(Perry-QUE)

POLAND

7270 *0200 Polish R.: Eng/Polish s/on (222 3/26 Scannell-MA)
9675 0300 Polish R.: Eng w/ nx, Week in Review, Sat Hit Parade, mx (433 3/21 Hinds-TRINIDAD)

PORTUGAL

6025 0430* R. Portugal (ENR): Eng w/ s/off and anthem, 1/2 hour pgm (333 3/19 Brookwell-CA);(Thompson-NM);(Straumanis-IL);(Somers-CA);(Hinds-TRINIDAD);(Gelfand-NY);(Fowler-ONT)
7190 0619 R. Free Europe, Lisbon: Polish? w/ tlk, mx (332 3/25 Smith-FL)
9635 *1958 R. Liberdade: Port w/ accordian & guitar IS, ID, mx (333 3/11 Zimarowski-MA)
9740 2150 R. Portugal (ENR): Eng/Fr/Ger/Ital 30 minute prgrs w/ s/on @ 2030, s/off 2230 (332 various Brooks-CT)
17725 1800 R. Free Europe, Lisbon: Bulgarian tlk (333 3/31 Brookwell-CA);(252 3/27 1845 Trautschold-WI)
17735 1815 R. Free Europe, Lisbon: Polish tlk (323 3/31 Brookwell-CA)
21745 1518 R. Free Europe, Lisbon: Czech/Slovak? w/ pop mx, ancmts (242 4/4 Zimarowski-MA)

ROMANIA

5990 0130 R. Bucharest: Eng ID, nx (353 3/19 Fowler-ONT);(Estes-MS);(Scannell-MA);(Hinds-TRINIDAD);(Baron-PA)
9530 1500 R. Bucharest: Eng commtry (353 3/27 Radtke-CA)
11790 1745 R. Bucharest: Eng prgr to Eur & Asia (333 3/13 Beaudoin-CT)
11940 1305 R. Bucharest: Eng mx requests, spts (444 3/23 Kelly-TN);(443 4/12 Beaudoin-CT)
15250 1315 R. Bucharest: Eng commtry, ID, spts (443 3/20 Miller-OH);(434 3/20 Yajko-PA)

SPAIN

6065 0314 R. Nacional de Espana: Eng mx (444 4/9 Smith-TN);(Yajko-PA);(Scannell-MA);(Rojewski-WA);(Straumanis-IL);(Osborne-FL);(Freed-QUE);(Baron-PA);(Stephenson-CA);(Smith-FL)

SWEDEN

6045 2300 R. Sweden: Eng nx to Nam // 11705 9605 (433 3/24 Zilmer-WI);(422 3/8 Hinds-TRINIDAD);(233 3/24 Pitts-OR)
9605 0000 R. Sweden: Eng "Panorama" (323 3/25 Richmond-CT);(232 2315 3/25 Hinds-TRINIDAD)
11705 2300 R. Sweden: Eng nx, at times covered by Nederland (411 3/24 Zimer-WI);(--- 3/29 Rojewski-WA)
15305 *1230 R. Sweden: Eng mailbag (444 4/4 Rodriguez-PR);(Davidonis-MA);(Freed-QUE);(Estes-MS);(Yajko-PA)

SWITZERLAND

6045 0431 SBC: Eng nx (434 3/22 Miller-WA);(333 3/20 Gelfand-NY);(434 4/7 B Miller-CA)
6135 0144 SBC: Eng ID, nx (333 3/24 Pitts-OR);(454 3/21 Fowler-ONT);(221 3/23 Miller-WA)
6165 2105 SBC: Eng w/ "SW Merry-go-round" (344 4/10 Oliver-NH)
9535 1321 SBC: Eng nx // 6165 3985 (332 3/13 Yajko-PA);(444 3/28 1531 Boyd-NFLD)
9590 2115 SBC: Eng "SW Merry-go-round", to Afr (222 3/27 Grider-MD)
15140 1315 SBC: Eng "Dateline", nx (222 4/13 Kurtz-MN);(434 3/13 Yajko-PA);(444 4/14 Beaudoin-CT)
15430 1330 SBC: Eng nx, mx (322 4/13 Lunstrum-FL);(333 3/13 Yajko-PA);(322 3/21 Beaudoin-CT)
17830 *1530 SBC: Eng prgr to ME and Afr (332 3/20 Cohen-NJ)

UNION OF SOVIET SOCIALIST REPUBLICSLithuanian SSR:

9450 0335 R. Moscow, Vilnius: Sp w/ IS, ID, "Atencion Chile" prgr, // 7215 (333 3/22 Brookwell-CA)

USSR (cont)Ukrainian SSR:

4920 0655 Kiyev R.: Russ w/ Moscow IS, relay prgr, mx (212 3/29 Brookwell-CA) Think this is what you meant Larry. rfb.

RSFSR, European:

5065 0343 Petrozavodsk R.: Russ tlk, relay Moscow 1 (233 3/25 Bodell-OR)
 6070 0326 R. Moscow, site?: Eng tlk (434 4/12 Smith-TN);(Yajko-PA)
 7105 0204 R. Moscow, site?: Eng nx // 7115 7205 7215 7355 (444 3/18 Yajko-PA)
 7150 0007 R. Moscow, Moskva: Eng nx (434 3/19 Yajko-PA);(333 0430 3/23 Woltman-WI)
 0030 R. Kiev, Moskva: Eng w/ IS, nx (232 3/16 Fleming-TX)
 7205 0056 R. Kiev, site?: Eng s/off, also sked (444 3/28 Baron-PA)
 7310 2249 R. Vilnius, site?: Eng tlk (454 3/13 Boyd-NFLD)
 12050 0030 R. Kiev, Tula?: Eng prgr (253 3/31 Radtke-CA)
 15140 0029 R. Kiev, site?: Eng w/ IS, ID, nx (444 3/22 Thompson-NM)
 0100 R. Moscow, site?: Eng to ECNA, nx (444 3/22 Thompson-NM)
 0358 R. Station Peace and Progress: Eng w/ IS, ID, s/off (333 3/23 Uerlings-OR)
 15455 1250 Radiostantsiya Atlantika, site?: Russ mx, tent (353 3/30 Earhart-PA)
 0000 R. Moscow, site?: Eng nx // 15180 (433 3/23 Zilmer-WI)
 15505 1345 R. Station Peace and Progress: Eng comtry (432 3/21 Zilmer-WI)
 17765 1600 R. Moscow, Tula: Eng w/ Afr svc, 1630 s/off (434 3/21 Beaudoin-CT)

VATICAN STATE

5995 0102 R. Vaticana: Eng tlk (444 3/29 Earhart-PA);(Hinds-TRINIDAD) (Arneson-MO)
 6105nf 0100 R. Vaticana: Eng to NAM, ex 6165 (333 3/25 Whitehead-MA)
 9605 0100 R. Vaticana: Eng rel pgm (444 3/21 Bowers-VT);(323 3/23 Rojewski-WA)

-Africa-

ALGERIA

6145 0645 Radiodiffusion Television Algerienne, HS: Ar mx, nx after 0700, relay Arabic HS network (211 3/29 Gebhardt-IA)
 11715 1700 RTVA, HS: Arabic singing, ancmts (333 4/3 Jernakoff-NY)
 11810 1845 RTVA: Ar tlk, mx (333 4/11 Bodell-OR);(444 3/14 White-FL); (433 2035 3/23 Baumgartner-ONT)
 11910 1942 RTVA: Eng tlk about local problems, Fr and Ar songs (342 3/14 Miller-OH) English from 1900-2000. rfb.
 2150 La Voz de Sahara Libre (RTVA): Sp w/ "POLISARIO" front pgm (444 3/30+ Rodriguez-PR) 2100 s/on. rfb.
 2200 La Voz de Canarias Libre (RTVA): Sp w/ "MPLA" pgm, 2300
 *2300 RTVA: Sp w/ regular Sp broadcast to 2400 (444 3/30+ Rodriguez-PR)
 17790 1740 RTVA, HS: Ar tlk w/ sporting event (242 4/4 Earhart-PA)

ASCENSION ISLAND

6005 *0327 BBC, Atlantic Relay: Eng s/on, ID, fqy, pgm for Afr (444 4/8 Naylor-CA)
 6055 2345 BBC, Atlantic Relay: Eng v "Music in the Theatre" (444 3/21 Miller-WA)
 7105 *0257 BBC, Atlantic Relay: Eng w/ "Oranges and Lemons" IS, ID w/ QTH, nx (444 3/12 White-FL);(433 4/3 Jernakoff-NY);(333 4/3 Thompson-NM) // 9580

BENIN

4810 Radiodiffusion Benin: Fr tlk, afro mx (333 3/23 White-FL); (342 3/14 Beaudoin-CT);(333 0617 in Vern 3/28 Schwartz-DE)

BOTSWANA

4845 *0400 R. Botswana: Eng w/ cowbell IS, ID, US pop mx, super signal (433 3/13 Bixby-CA);(222 3/13 Grider-MD);(232 3/25 Bodell-OR); (--2 4/2 Cleveland-CA)

CAMEROON

4972.5 0545 R. Yaounde: Eng w/ ID, pgm notes, mx (222 3/16 Zimarowski-MA)
 5010 0515 R. Garoua: Eng comtry, 0517 ID, local mx in Fr (322 4/4 Crews-FL);(343 2140 in Vern 4/11 Beaudoin-CT)

CANARY ISLANDS

11800 2141 R. Nacional de Espana, Tenerife: Sp w/ pop mx, IDs (333 3/14 Grider-MD);(233 0212 4/3 Breeden-MS);(433 0325 3/31 Schwartz-DE) From 2100-2200 Spanish relay to LAm (former 2145-0500), other times I'm unsure where they originate, anybody? rfb.

CAPE VERDE ISLANDS

3885 0005 R. Clube do Cabo Verde: Port w/ political speech, crowd noise 0056*w/ Cabo Verde anthem (333 3/19 Miller-OH);(422 3/20 Baumgartner-OH)

CENTRAL AFRICAN REPUBLIC

5038 2248 Radiodiffusion Nationale Centrafricaine: Vern/Fr w/ afro mx, tlk, ID, 2257* (423 3/17 Zimarowski-MA);(343 3/17 Earhart-PA);(333 0530 3/14 Baumgartner-OH)

CHAD

4904.5 0534 Radiodiffusion Nationale Tchadienne: Fr w/ afro and pop mx, tlk (333 3/13 Zimarowski-MA);(343 2110 4/11 Beaudoin-CT)

COMORO ISLANDS

72604 0328 France Regions 3, Comores: U/lang w/ choir mx, YL ancmt, chant, tlk, 0350 fading out, did not hear 0400 Fr svc (WRTH) (111 3/15 Fleming-TX)

CONGO, PEOPLE'S REPUBLIC OF THE

4843.2 0710 Radiodiffusion Television Congolaise, Pointe Noire: Fr/vern tlk, afro mx, IS (333 0710 Brookwell-CA)
 4765 0430 RTVC: Fr s/on w/ mx, ID, nx (-1 3/31 Cleveland-CA)
 6115 0737 RTVC: Vern w/ tlk, tribal mx, many mentions of Brazzaville (323 4/7 Fleming-TX)
 15190 *1730 Voice of Namibia (RTVC): Eng w/ pgm of "SWAPO", comtry to 1745 (333 3/31 Breeden-MS)
 2250 RTVC: Eng nx, ID, sked (443 4/4 Oliver-NH);(443 3/15 Scannell-MA);(342 *2115 Sat 4/3 Cohen-NJ);(454 2115 3/23 in Fr White-FL);(-3 3/23 Cleveland-CA);(343 3/28 Straumanis-IL);(211 4/5 Brookwell-CA)

EGYPT, ARAB REPUBLIC OF

9475 0200 R. Cairo: Eng w/ mailbag (544 3/24 Arneson-MO);(Baron-PA);(Yajko-PA);(Brick-MA);(Rojewski-MA);(Lovert-OH);(Kelly-TN)
 98054 2226 R. Cairo: Eng w/ Mid-East nx (333 3/17 Sann-NJ);(Bowers-VT);(Freed-QUE);(Lunstrum-FL);(Lovert-OH);(Thompson-NM);(Trautschold-WI)
 12005 2215 R. Cairo, HS: Ar w/ "soap opera" story (443 3/22 Earhart-PA)
 17625 1322 R. Cairo, HS: Ar mx (343 3/20 Yajko-PA);(343 1520 3/20 Beaudoin-CT)

ETHIOPIA

7165 0353 ETLF: Swahili mx, tlk, ID in Eng into nx, hvy QRM @ 0405 (333 3/17 Thompson-NM);(343 3/16 Fleming-TX);(322 3/19 White-FL)
 9510 *0330 ETLF: Eng s/on into Malagasy pgm (242 3/26 Nebron-CA)
 9611.5 1605 R. Ethiopia: Amharis w/ local mx, tlk, 1630 ID, nx (333 4/3 Junqua-JAPAN)
 11830 2000 ETLF: Eng w/ ID, mx pgm (333 4/10 Oliver-NH)
 11960a 1345 ETLF: U/lang w/ drum IS, English ID, to India, mx, tlk (232 4/3 Ishizaki-JAPAN) WRTH list 11945. rfb.
 15250 0530 ETLF: Ar rel pgm, Eng ID (333 4/10 Pimblett-ALB)

GABON

4777 0436 Radiodiffusion Television Gabonaise: Fr w/ YL tlk, local mx (232 3/25 Berger-TX);(Yajko-PA);(Miller-OH);(Schwartz-DE);(Grider-MD);(Cleveland-CA)
 4830 0622 RTVG, Franceville: Fr nx, comtry, ID @ 0626, local mx (--- 4/1 Crews-FL)

GHANA

3350 2305* Ghana Broadcasting Corporation 2, Ejura: Eng!*/. ID "This is GBC 2, the commercial service of Radio Ghana, the Voice of the Revolution", s/off (333 4/5 Lunstrum-FL);(121 0630 3/15 Gebhardt-IA) WRTH list as GBC 1, evidently changed. rfb.
 4915 0558 GBC 1, Accra: Eng mx, nx @ 0600 (322 3/23 Zink-CA);(Gebhardt-IA);(Brookwell-CA);(Beaudoin-CT);(Stephenson-CA);(Schwartz-DE);(Jernakoff-NY);(Rodriguez-PR)
 4980 0621 GBC 2, Ejura: Eng comtry, mx (233 3/25 Bodell-OR);(Crews-FL) (Oliver-NH);(Schwartz-DE)
 6130 2125 R. Ghana (GBC): Eng rel pgm, ID, nx @ 2130 (242 2/28 Cohen-NJ)

GUINEA-BISSAU

5041 0608 R. Bissau: Vern w/ political? speech, 0614 string mx interlude (343 3/13 Earhart-PA)

GUINEA REPUBLIC

7125 0315 Radiodiffusion Nationale: Fr ID, mx, tlk (322 3/18 Zimowski-MA);(434 2300 3/13 Perry-QUE);(333 0445 3/15 Fleming-TX)

IVORY COAST

4940 2215 Radiodiffusion Television Ivoirienne: Eng nx, comtry, Fr @ 2225 (333 3/29 Schwartz-CA);(Earhart-PA);(Crews-CA);(Perry-QUE);(Miller-OH)
7215 *0600 RTVI: Fr w/ anthem, fqys, s/on, ID "Radiodiffusion Ivoirienne" (333 3/16 Fleming-TX)
11920 2228 RTVI: Eng prgr (543 3/18 Somers-CA);(444 2215 in Fr 3/8 Earhart-PA);(252 4/3 Radtke-CA);(333 3/27 Thompson-NM)

KENYA

4915t *0256 Voice of Kenya: Swahili? w/ bird call IS, anthem by choir, ancmt, mx w/ man DJ (211 3/23 Fleming-TX)

LIBERIA

4770 2205 ELWA: Eng rel tlk, hymns (322 4/11 Beaudoin-CT);(322 3/29 Schwartz-DE);(322 0638 4/1 Crews-FL)
6045 0300 VOA, Monrovia: Eng w/ IS, ID, nx (444 3/19 Thompson-NM)
7175 0755 VOA, Monrovia: Eng to wAfr, s/off 0800 (333 4/7 Florimont-NJ)
7280 0523 VOA, Monrovia: Eng "Breakfast Show" (333 3/23 Rojewaki-WA); (333 3/14 Gebhardt-IA)
11945 2045 ELWA: Eng w/ nx, ID "This is the external service of Radio Station E-L-W-A", 2100* (322 4/7 Butterfield-MA);(333 3/21 Lovert-OH)

LIBYan ARAB REPUBLIC

6186 0400 Peoples' Revolution Broadcasting: Ar w/ guitar anf flute IS, March mx @ *0400, Ar mx, yl anc (322 3/18 Young-CA)

MALAGASY REPUBLIC

11730 *2000 R. Nederland, Talata: Eng "DX Jukebox" (444 4/8 Rodriguez-FR); (Pitts-OR);(Somers-CA);(Breedon-MS);(353 3/13 Earhart-PA)

MALAWI

3380 0340 Malawi Broadcasting Corporation: Chichewa tlk, afro mx (422 3/6 Baumgartner-ONT)

MALI

4783 2336 Radiodiffusion Nationale du Mali: Fr prgr (323 3/24 Schwartz-DE)
5995 0607 R. Mali: Fr w/ chants (211 3/12 Nebron-CA)

MAURITANIA

4845 0631 Radiodiffusion Nationale Mauritanie: Ar s/on w/ call to prayer (333 3/25 Bodell-OR);(Uerlinge-OR);(Crews-FL);(White-FL); (Schwartz-DE);(Perry-QUE);(Beaudoin-CT)

MOROCCO

6170 2015 Radiodiffusion Television Marocaine: Ar nx, ID (433 3/18 Zimowski-MA)
9615 1850 RTVM: Ar w/ continuous mx (333 4/11 Bodell-OR);(343 2100 3/27 Grider-MD)
11860 1620 VOA, Tangier: Eng nx, spts (343 3/17 Thompson-NM)
15360 1545 RTVM: Ar tlk, mx (333 3/20 Beaudoin-CT)

MOZAMBIQUE

3210 0402 R. Mocambique: Port tlk (--1 3/23 Cleveland-CA);(242 0437 3/13 Bixby-CA) // 11820 (unannounced) 9620 6115 4865, all. Pgm "A".
4854a 0435 R. Mozambique: Eng pgm to 0430, TC, yl with questions, Port (222 3/24 Uerlinge-OR) Eng has been reported inactive and this fqy not announced as Programme "A" channel. rfb.
4865 0452 R. Mozambique: Port tlk, afro mx (333 3/24 White-FL)

NIGER

5020 0740 Office de Radiodiffusion Television du Niger: Fr w/ US pops (222 3/30 Brookwell-CA)

NIGERIA

3396 2302 Nigerian Broadcasting Corporation, Kaduna: Eng nx, anthem @ 2305* (222 3/23 Miller-OH)
4990 2155 NBC, Lagos: Eng w/ mx, ID, TC @ 2200 (343 4/10 Oliver-NH); (322 0600 in Eng 4/7 Crews-FL)

NIGERIA (cont)

- 6195 2230 NBC, Sokoto: Hausa mx pgm to 2245, chants 2245-2300, Eng ID and nx to 2305* w/ anthem (433 3/29+ Brooks-CT);(322 2305* 3/19 Zilmer-WI);(222 0556* in Eng 4/7 Fleming-TX)
- 7275 0600 Voice of Nigeria (NBC): Eng w/ local mx, story (443 3/26 Arneson-MO);(434 3/13 Lunstrum-FL);(333 3/17 Brick-MA);(222 3/29 Zink-CA)
- 9570 2230 Radio Television Kaduna: Hausa w/ afro mx, tlk // 6090 (422 3/17 Zilmer-WI);(332 3/29 Earhart-PA);(343 4/3 Estes-MS)
- 15120 1905 VON (NBC): Eng nx (323 3/20 Perry-QUE);(443 4/7 Junqua-JAPAN)

RHODESIA

- 3306 0413 Rhodesia Broadcasting Corporation: Vern w/ rock mx (--2 3/31 Cleveland-CA)
- 3396 0405 RBC: Eng nx, ID @ 0410 (343 3/12 Earhart-PA);(--2 3/23 Cleveland-CA);(322 3/23 Schwartz-DE)

RWANDA

- 15410 1244* Deutsche Welle, Kigali: Eng s/off into Hausa (333 3/20 Zimarowski-MA);(242 *2200 in Ger 3/28 Nebron-CA);(333 0100 in Ger 4/3 Thompson-NM)

SENEGAL

- 4890 *0558 Radiodiffusion du Senegal: Fr w/ IS, anthem, s/on w/ time pips, nx (353 3/23 White-FL);(333 4/7 Crews-FL)

SEYCHELLES

- 11810 0430 Far East Broadcasting Association: Eng w/ mx, IDs (323 4/14 Lunstrum-FL);(433 1740 3/23 Rojewski-WA)

SIERRA LEONE

- 3316 0700 Sierra Leone Broadcasting Service: Eng w/ time pips, TC, BBC nx, ads for contest w/ trip to London for 1st prize (232 3/18 Straumanis-IL);(222 3/16 2230 Grider-MD);(252 3/31 Miller-OH);(332+ 3/10 Earhart-PA)

SOMALIA

- 7121 1500 R. Hargeisa: Somali w/ Ar type mx, few ancmts (423 3/16 Young-CA) Guess we should correct the correction in the March issue, February logging probably was Hargeisa. rfb.
- 9585 1970 R. Mogadishu: Somali w/ tlk, singing (333 3/13 Estes-MS)
- 11645 1530 R. Hargeisa: Somali w/ strong sig, ID @ 1630, drum IS @ 1631* // 7121 (both fqy nominally higher (442 3/18 Young-CA)

SOUTH AFRICA

- 3230 0429* R. RSA: Eng prgr, IS @ 0429 (333 3/16 Bixby-CA);(--3 3/19 Cleveland-CA);(131 3/26 Nebron-CA)
- 4810 0415 SABC, Springbok: Eng nx, ads (454 3/17 Lovert-OH);(Miller-CA);(Zink-CA);(Schwartz-DE);(Nebron-CA);(Kelly-TN);(Miller-WA);(Berger-TX);(Somers-CA);(Pimblett-ALB);(Stephenson-CA);(Cleveland-CA);(Jernakoff-NY)
- 11900 *2230 R. RSA: Eng s/on (433 4/5 Floramont-NJ);(Miller-WA);(Earhart-PA);(Stephenson-CA)

SUDAN

- 5035v 0510 R. Omdurman: Ar mx, ancmts (434 3/30 Brookwell-CA);(322 0412 3/15 Baumgartner-ONT)
- 7200t 0408 R. Omdurman: Ar w/ Qur'an, flute (211 3/16 Fleming-TX)
- 11835 1815 R. Omdurman: Ar w/ tlk, mx (333 3/13 Grider-MD)

SWAZILAND

- 4790 0447 Trans World Radio, Mpangela: U/lang rel pgm, 0500 Eng ID (322 3/22 Crews-FL)
- 4980 *0458 Swazi Radio: Eng s/on w/ popcorn IS, IDs as "Swazi Radio", pgm of light mx (233 4/11 Laves-TX);(433 w/ Eng ID as "International Service", into Port prgr 4/6 Bixby-CA);(333 3/19 Stuart-OK);(--3 0505 3/19 Cleveland-CA)
- 9590 0500 TWR, Mpangela: Eng/vern with rel tlk, mx, bi-lingual pgm (444 3/14 Hinds-TRINIDAD);(242 3/17 Nebron-CA)

TANZANIA

- 9685 2013 R. Tanzania: Eng ID, fqy, anthem, hrd only this date (243 3/4 Baumgartner-ONT)
- 9750 1400 R. Tanzania: Eng mx, intvw (242 3/27 Radtke-CA)
- 15435 1850 R. Tanzania: Eng speech, mx, ID, nx (222 3/12 Zimarowski-MA) (222 3/14 Scannell-MA);(242 3/13 Grider-MD);(322 1641 3/20 TEN Rodriguez-PR);(332 1735 4/2 Bodell-OR)

TOGO

5047 2258 Radiodiffusion du Togo: Fr w/ pop mx, 2300 ID "Radio Togo, il est vingt-trois heures", 2305* (322 3/21 Straumanis-IL); (322 4/7 Crews-FL); (343 3/13 Earhart-PA); (333 3/29 Schwartz-DE)

TUNISIA

7275 2215 Radiodiffusion Television Tunisienne: Ar mx, ancmts, 2340* (322 3/15 Gebhardt-IA)
 11970 1842 RTVT: Ar tlk // 15225 (322 4/11 Bodell-OR)
 15225 1845 RTVT: Ar mx (443 3/14 Scannell-MA); (222 3/31 Brookwell-CA)

UGANDA

9515 1631 Uganda Broadcasting Corporation: Eng w/ nx to sAfr still on this fqy (333 4/7 Junqua-JAPAN)
 9730 2034 UBC: Eng nx, mx, ID, fqy, address (433 3/21 Rojewski-WA); (Baumgartner-ONT); (Breedon-MS); (Estes-MS)
 15325 1819 UBC: Eng w/ afro nx, world nx, ancd Eng svc to wAfr on Sat, Sun, Tue, Thur @ 1715-1830 GMT (242 3/14 Grider-MD); (Miller-OH); (Richmond-CT); (Zilmer-WI); (Oliver-NH)

UPPER VOLTA

4815 0612 Radiodiffusion-Television Votaique: Fr w/ pop mx, ID @ 0620 (333 4/1 Crews-FL); (323 3/24 2340 Schwartz-DE)

ZAIRE

7205 0505 R. Lumbumbashi: Fr w/ nx, DJ w/ mx (333 3/16 Fleming-TX)
 7255t 0430 R. Bandundu: Fr w/ DJ and mx, sudden off 0500 (322 3/16 Fleming-TX) Presume you hrd the two in parallel which is why you suspect Bandundu, listed 7115. rfb.
 15245 1940 La Voix du Zaire: Fr w/ tlk on the Arts (333 3/7 Perry-QUE); (Trautschold-WI); (White-FL); (Butterfield-MA)
 15350 2005 La Voix du Zaire: Fr w/ afro mx // 15245 (333 4/5 Breedon-MS); (333 3/14 Beaudoin-CT); (434 3/7 Perry-QUE); (433 3/28 Straumanis-IL); (322 3/14 Scannell-MA)

ZAMBIA

9580 2050 R. Zambia: Eng w/ some pop mx, nx, under BBC (212 3/11 White-FL)

-Clandestine-

CLANDESTINE

3270 2245 "La Voix de la Movement Populaire": Fr w/ pro-Marxist/Leninist tlks, ID as "La Voix ... Populaire", what and where (Cuba?) (544 4/10 Oliver-NH)

EUROPE/AFRICA ROUNDUP:

Ciao! Thanks to this month's batch of new reporters: Rodney Boyd, Dave Bowers, Bill Breedon, Edmund Florimont, Gary Fowler, Stewart Freed, Yasue Ishizaki, Joe Loverti, and Carlos Silva. A total of 74 reporters, one short of the record, but we did have a record number of loggings! So please bear with me if you didn't see all of your reports. There were just too many for the space available. But keep 'em coming ... we'll work something out.

Now some items of interest, BBC MS items used with permission:

Oy Yleisradio AB - Finland: R. Finland reports that work on the new 101 250 kw short-wave transmitter is proceeding according to plan and that test transmissions will probably take place this summer, with hopes to be in regular by September 1976 to coincide with the Finnish Broadcasting Company's 50th anniversary. (BBC MS and Radio Finland)

Voice of Namibia - People's Republic of the Congo: The "Voice of Namibia", the voice of the South West Africa People's Organization, "SWAPO" broadcasts over the facilities of RTVC from 1730-1800 on normal RTVC channels 15190, 9715 and 4765 kHz on Monday, Wednesday, and Friday. English is broadcast from 1730-1745 (heard here in Belmont) and in an unknown language from 1745-1800.

(BBC MS)

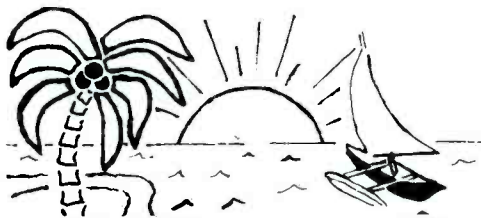
BRT/RTB - Belgium: The Belgium Radio and Television (BRT/RTB) reports that external services are now known as "BRT 4". Sked changes include a 30 minute English program from 0015-0045 to NAM on 9730.

(BBC MS)

73 Bob

ASIA-OCEANIA

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DEADLINE: 15th of the month

Frequencies in KiloHertz Time in GMT month/day format
a=approximate l=listed m=measured t=tentative *0000=S/on 0000*=S/off

FREQ TIME SIO LOCATION

ASIA

AFGHANISTAN

3295 1400 333 JPN RA: Eng nx, local mx, "Letterbox", IDs (Junqua 4/3)

BRUNEI

4865 1242 323 OR RB: Bahasa Malaysia tkl by OMs (Bodell 4/18)
7215 1251 343 TX RB: EE tkl, mx, BBC pgrm (Vokes 4/11)(Fleming 4/7)

BURMA

5040 1130 342 WI BBS: Burmese tkl, mx, nx (Zilmer 3/31)(Miklejewski MN)
1455 322 OR BBS: EE ID, YL nx, mx, more nx (Uerlings 3/29)

CAMBODIA

4908 1450 --2 CA R. Phnom--Penh: Khmer w/ SEA mx (Cleveland 4/7)

CHINA

2475 1213 232 TX Zhejiang 1, Hangzhou: CC singing by YL (Vokes 4/11)
3200 1502 --2 CA PLA 2: Amoy tkl, mx, // 3300, 3400 (Cleveland 3/19)
3290 1445 --2 CA Beijing HS 2: CC w/ YL vocals (Cleveland 4/1)
3450 1448 --2 CA Beijing HS 1: CC tkl, mx (Cleveland 3/23) 3/18)
3535 1453 --3 CA PLA 1: CC w/ choral mx, 1500 tkl, // 4045 (Cleveland
3995 1430 232 CA Beijing (T): CC mx, OM/YL ylk (Nebron 4/10) Moscow?
4110 1331 232 OR Wulumuqi: Uygur? w/ tkl by YL (Bodell 4/18)
4525 1340 232 OR Xilinhaote: CC mx, weak (Bodell 4/18) _/(Naylor CA)
4800 1216 222 MN Beijing 1: CC w/ play, opera, IS (Miklejewski 3/27)
4815 1159 233 MN R. Peking: "EIR", Mongol annx (Miklejewski 3/27)
4850 1404 343 CA Beijing 2: CC w/ opera mx (Naylor 3/17)
4925 1245 232 MN Ha'erbin: CC tkl, mx, 1300 TPs, nx (Miklejewski 3/31)
5163 1215 333 MN Beijing 2: CC tkl, vocals, // 4850 (Miklejewski 4/11)
5170 1155 332 WI PLA 2: Amoy tkl, sing song mx (Zilmer 3/31)
6290 1450 --2 CA RP: Chaozhou w/ oriental mx, IS (Cleveland 3/26)
7095 *1200 333 PA Beijing 1: CC tkl (Yajko 3/17) 3/18)
7660 1250 333 MN RP: EE w/ symphonic mx, freqs, IS, // 6290 (Miklejewski
9390 1246 344 MN RP: SS w/ CC mx, "International" (Miklejewski 3/25)
9480 0421 211 CA RP: CC tkl, sing song mx (Brookwell), EE @ 1350 (Naylor
CA), and SS @ 2340 (Fleming TX).....
9860 1232 242 PA RP: CC tkl by YL, mx (Yajko 3/13)
9900 1224 233 PA RP: Cambodian (BBCMS) w/ tkl (Yajko 3/13)
9940 0025 333 QUE RP: EE tkl on Tibet, // 11675, 11945 (Perry 3/26)
11375 1255* 342 WI RP: U/lang tkl, "Internationale" (Zilmer 3/4)
11600 1347 433 PA RP: B. Malaysia tkl, CC songs (Yajko 3/21)
11650 1245 333 PA RP: EE w/ CC mx, stories (Yajko 3/13)
11675 0040 344 CT RP: EE w/ cmtry on Soviets (Richmond 3/25)(Yajko PA)
11685 1231 353 OH RP: EE ID, tkl, CC mx (Miller 3/28)(Miklejewski MN)
11695 1335 322 PA RP: EE tkl, CC stories (Yajko 3/21)
11720 0130 434 QUE RP: CC mx, annx (Perry 3/22)(C. Miller WA)
11945 0025 434 QUE RP: EE tkl, // 9940, 11675 (Perry 3/26)(C. Miller WA)
11980 0100* 222 CA RP: Burmese tkl, "Internationale" (Brookwell 3/31)
12055 0130 211 CA RP: EE tkl by OM, QRN (Brookwell 3/31)
12120 0135 222 CA Beijing 1: CC w/ weird falsetto mx (Brookwell 3/31)
15030 0010 232 QUE Beijing 2: CC tkl by YL (Perry 3/22)
15045 0310 222 CA RP: SS tkl, Oriental mx, // 17680 (Brookwell 3/7)
15060 2335 323 QUE RP: Amoy tkl (Perry 3/22)

CYPRUS

6180 0445 322 MA BBC-Limassol: EE World Service (Butterfield 4/7), @ 2315* (Scannell 3/18)(Richmond CT).....

DODECANESE ISLANDS

7205 2110 233 FL VOA-Rhodes: EE cmtry, nx (White 3/18)



INDIA

9525 2150 232 MD AIR-Allgarh: EE nx, Indian mx (Grider 3/27)(Yajko PA)
9575 1225 322 WI AIR-Allgarh: EE nx, freqs, U/lang pgrm (Zilmer 3/17)
9645 *1430 333 CA AIR-Delhi: flute IS, EE ID, sports nx (Snyder 3/27)
9705 1130 332 WI AIR: EE nx, 1140 U/lang (Zilmer 3/25) Yajko PA
9912 2205 343 MA AIR-Delhi: EE ID, Indian mx, 2230* (Scannell 3/24)
11810 1406 333 MN AIR-Delhi: EE tlk on exports, mx (Miklejewski 3/25)
15080t 1640 232 ONT AIR-Bombay: wierd subcont mx (Baumgartner) 15084 Iran?

All India Radio

RADIO REPUBLIK INDONESIA

INDONESIA

3205 1155 332 TX RRI Bandung: "Love Ambon", ID (Laves 4/11)(Sparks CA)
3251 1313 333 JPN RRI Banjarmasin: Indo ID, mx, chants (Junqua 4/8)
3294 1349 333 JPN RRI Samarinda: island mx, Indo ID 1359 (Junqua 4/8)
3375 1147 333 TX RRI Jambi: Indo tlk by OM, pop mx (Vokes 4/11)
3414 1450 --2 CA RRI Medan: piano mx, "LA", 1500 nx (Cleveland 3/19)
3905 1225 323 OR RRI Palangkaraya: modern Indo mx (Bodell 4/18)
3935 1318 222 OR RRI Semarang: Indo tlk by OM/YL (Bodell 4/18)
3960 1440 --1 CA RRI Padang: Indo tlk by OM, ARO QRM (Cleveland 3/19)
3974 1228 312 TX RRI Surabaya: Indo w/ choral mx, ham QRM (Vokes 4/11)
4000t 1450 --1 CA RRI Kendari: Indo mx, 1459 "LA" (Cleveland 4/8)
4719 1435 --2 CA RRI Ujung Pandang: Indo w/ pop mx (Cleveland 3/19)
4764 1555 242 CA RRI Medan: Indo w/ MoR mx (Nebron 3/18)
4845 1420 232 CA RRI Ambon: Indo songs (Nebron 4/10) Malaysia here too
4871 1124 242 MS RRI Sorong: Indo mx, "LA" 1158 (Jones 3/17)(Miller OH)
4885 1444 --2 CA RRI Bukittinggi: Islamic chants (Cleveland 3/15)
4900 1258 132 TX RRI Gorontalo: "Love Ambon", tlk (Laves 4/10)(Vokes)
1408 333 CA Gorontalo w/ Indo nx, annx "Hawaiian songs" (Sparks)
4927 1503 --3 CA RRI Jambi: Indo w/ Medan nx relay (Cleveland 3/18)
4954.8 1557* 433 JPN RRI Banda Aceh: Islamic chants, "LA", ID (Junqua 4/7)
5969a 1257 132 TX RRI Banjarmasin: Indo mx, "LA", nx (Laves 4/9)
5987 0850 233 OR RRI Menado: Indo w/ children's pgrm (Bodell 3/31)
7110 1134 232 FL RRI Yogyakarta: EE/Indo w/ relg, mx ID (White 3/10)
7120 1045 353 CA RRI Jayapura: choir w/ EE relg mx, ID (Sparks 3/13)
9710 1154 232 CA V. of Indonesia: EE ID, CC pgrm @ 1200 (Snyder 3/14)
11789 1116 222 JPN VOI: EE ID, nx, mx (Ishizaki 4/4), and new EE (1400-1500), w/ cmtry, letters, het 11790 (Bodell 4/18)

Voice of Iran

TX

IRAN
9022 0015 444 MA VOI: Farsi nx 0030, mideast mx (Butterfield)(Fleming)
1957 242 JPN VOI: EE w/ IS, ID, nx, Persian mx (Makishima 3/18)
11700 1640 333 ONT VOI: Turk. tlk, mx, IDs (Baumgartner) Peyk-e Iran?
15084 1405 343 PA VOI: Farsi tlk, Persian mx (Earhart 4/3)(Miklejewski)

BAGHDAD, IRAQ

Radio Baghdad International

IRAQ
7225t 0340 332 CA RB: AA mx, "V. of the Masses" listed (Snyder 4/9)
9758L 2010 343 MA RB: EE w/ nx, mx, ID (Scannell 3/15)(Miklejewski MN)

ISRAEL

5882 2305* --- WI IBA: Hebrew HS, tlk, anthem, // 9435, 7462 (Zilmer)
5900 0500 333 NI IBA: EE nx, wx, cmtry, ID (Thompson 3/24)
7412 2237 434 MI IBA: EE nx, cmtry (Brooker 3/14)(Smith FL)(Miller OH)
9009 0501 333 ALB IBA: EE nx to MA (Pimblett 3/23)(Uerlings OR)
9815-20 2000 433 PA IBA: EE nx of mideast (Yajko 3/20)
IBA: EE pgrm (Yajko 3/20)(Pimblett ALB), and @ 2230 (Richmond CT)(Cohen NJ)(Brooker MI)(Thompson NM), etc.
11645 2000 141 OK IBA: EE ID, nx (Stuart 3/17)(Gelfand NY)(Scannell MA)
2230 332 CA IBA: EE pgrm (B. Miller 3/22)(Earhart)(Miklejewski)
12025 2258* 434 WA IBA: EE nx, ID (C. Miller 3/31), and (Zilmer WI), (Earhart PA), (Brooker MI), (Richmond CT).....
12077 2210 322 WI IBA: Hebrew HS w/ pop mx, // 9435 (Zilmer 3/20)
15100 1200 443 WI IBA: EE tlk, PF @ 1230, EE 2000 (Zilmer 3/21)(Earhart)
15487 1215 433 WI IBA: EE w/ interview (Zilmer 3/21)
1827 433 MN IBA: Hebrew ID, nx, wx, mx (Miklejewski 3/15)
15512 1200 332 WI IBA: Hebrew HS w/ tlk, pop mx (Zilmer 3/21)
17685 1223 343 FL IBA: EE w/ ads, mx, nx, 1230 FF (Smith 3/18)(Zilmer)

JAPAN

3910 1040 434 MS PEN: EE nx, ads, mx (Estes 4/3)(Fleming TX)
 3925 0930 333 TX NSB: JJ w/ EE lessons (Fleming 3/20)(Cleveland CA)
 5990 0810 444 MS RJ: EE nx, tlk, cmtry (Estes 4/6)(1103 White FL)(1104 Jones MS)(1210 Hinds TRIN)(1605 C. Miller WA).....
 6055 0930 434 CA NSB: JJ/EE lessons, "Tokyo Forum" (B. Miller 4/7) (1503 Uerlings OR)(1605 Cleveland CA).....
 9505 2000 343 CA RJ: EE nx (Nebron 3/29)(Thompson NM)(C. Miller WA)
 9585 *0859 322 FL RJ: IS, EE/JJ ID, EE nx (Smith 3/3)(C. Miller WA)
 9595 1530 444 WA NSB: EE w/ "Tokyo Forum", ads (C. Miller)(B. Miller CA)
 9670 1445 444 CA RJ: EE/JJ ID, nx, mx (B. Miller 4/7)(C. Miller WA)
 11815 1758 423 WA RJ: IS, EE/JJ ID, nx (C. Miller 3/21)
 15105 2205 131 MA RJ: EE/JJ nx, ID (Caliri 4/5)(Miklejewski MN)
 15195 0057 232 MN RJ: IS, annx in JJ (Miklejewski 4/1)(0131 C. Miller)
 15270 *2345 443 NJ RJ: EE to ECNA, // 15300 (Cohen 3/29)(Perry QUE) (Earhart PA)(Yajko PA)(C. Miller WA).....
 15300 0003 222 OK RJ: EE w/ "Current Topics" (Stuart 3/18)(Loverti OH) (Richmond CT)(Estes MS)(Perry QUE).....
 15420 0158 231 WA RJ: EE w/ JJ mx prgm, YL host (C. Miller 3/18) **RADIO JAPAN**

JORDAN

9560 1603 343 MA HKBS: EE nx, mx, ID (Zimarowski 3/12)(Junqua JPN)

D. P. R. KOREA

3015 1214 333 TX R. P'yongyang: JJ w/ revolutionary mx (Vokes 4/11)
 3030 1215 333 TX KCBS Wonsan: KK singing, // 2850 (Vokes 4/11)
 3320 1454 --2 CA RP: KK tlk by OM (Cleveland 3/23)
 3560 1300 454 CA RP: EE nx, 1400 RB (Sparks 3/20)(Cleveland 3/25)
 9420 1215 211 MA RP: EE tlk, 1355* (Zimarowski 3/20)(Miklejewski MN)
 9510 1250 332 CA RP: EE cmtry by YL, KK mx (Snyder 3/20)
 9977 1800 333 CA RP: EE tlk, 2000 FP (Stephenson 3/22)(White FL)
 11535 2325 433 CA RP: EE cmtry (Birby 3/15)(Thompson NM)

한국방송공사 *Korean Broadcasting System*

REP. OF KOREA

2510 1209 231 TX KBS Taegu: KK tlk by OM, play (Vokes 4/11)
 9640 *1100 434 MA RK: EE nx, cmtry, KK mx (Pierce 3/24)(White FL @ 1442)
 11850 0230 333 CA RK: SS prgm, 0400 EE (Brookwell)(Stephenson)(Radtke)

KUWAIT

9555 1659 333 JPN RK: EE nx, ID, tlk (Makishima 3/27)(Bodell OR)
 11940 1800 211 NY RK: EE w/ rock mx, information, nx (Gelfand 4/11) (Perry QUE)(Vokes TX)(Scannell MA).....
 15345 0530 333 ALB RK: EE nx, wx, pop mx (Pimblett 3/30)

LAOS

7145 1355 232 OR NRBS: EE? tlk by YL, SEA mx, 1359*, Kuching QRM (Bodell 4/18)

BBC

MALAYSIA

3915 1326 333 CA BBC-Tebrau: EE lessons, ID (Naylor 3/12)(Cleveland CA)
 4985 1601 443 JPN RM-Penang: B. Malaysia tlk, request prgm (Junqua 4/7)
 6065 1445 --3 CA BBC-Tebrau: Bengali (WRTH) w/ OM tlk (Cleveland 3/29)
 6195 1245 242 MS BBC: EE w/ Big Ben, World Svce (Jones)(Thompson NM)
 7180 1000 333 TX BBC Tebrau: CC w/ EE lessons, ID (Fleming 3/20)
 9665 1530 222 CA RM-Kuala Lumpur: EE/BM nx, wx (Stephenson)(Junqua JPN)
 9740 1401 444 CA BBC-Tebrau: EE w/ mx request show (Naylor 3/21)
 11750 1500 343 CA BBC-Tebrau: EE w/ "Radio Newsreel" (Nebron 3/30)
 11955 0045 333 CA BBC-Tebrau: U/lang tlk, QRM (Brookwell 3/31)
 15310 1459 243 CA BBC-Tebrau: EE ID, "Radio Newsreel" (Naylor 3/13)
 15435 *2300 333 ALB BBC-Tebrau: EE nx (Pimblett 3/31)
 17880 0000 454 HI BBC-Tebrau: EE nx of Britain, // 9590 (Tomori 4/6)

MALDIVES

3524t 1345 222 CA R. Male: Indian type mx, not Indo (Young 3/20)

NEPAL

3425 0016 242 FL RN: Nepali? annx, Nepali mx, 3 min. test tx @ 0025 w/ tones (White 3/25)(Vokes TX @ 1224).....

PAKISTAN

3240 1425 322 JPN RP: Urdu? YL w/ local mx, 1500 nx (Junqua 4/3)
 3330 1326 443 CA RP-Peshawar: Urdu w/ Pakistani mx, flutter (Young 3/22)
 9460 0005 333 JPN RP-Karachi: Urdu World Svce, mx (Makishima 4/10)

PAKISTAN (continued)

11672 1420 222 TX RP-Karachi: EE? w/ subcont mx (Vokes 4/11)
 17830 0230 152 TRIN RP-Islamabad: OM w/ slo speed EE nx (Hinds 3/30)

PHILIPPINES

3285* 1300* 232 CA PBS: EE w/ "Mr From Around the World", ID (Snyder 3/28)
 3345 1320 333 CA FEBC: EE w/ relig tlk by YL (Sparks 3/28)
 5995 1514 454 CA AFRTS: EE w/ PSA, nx (Sparks 3/20)
 7225 1340 343 NM FEBC: JJ/CC w/ relig mx, TFS (Thompson 3/20)
 7240 1330 333 CA VOA: CC? tlk, ID (Naylor 3/16)
 9578m 1615 322 CA VOP: EE tlk, mx, cntry (Silva 3/24)(0733 Numata JPN)
 (0818 Herbold CA)(0810 B. Miller CA)(1625 C. Miller)
 9715t 1308 332 PA FEBC: JJ tlk by YL, mx (Earhart 4/3)
 11850nf 1740 332 CA FEBC: RR prgm, ID, address, DW QRM (Snyder 4/11)
 11920 0753 323 TX FEBC: EE mx, IS, ID (Fleming 3/21)
 11965 1202 342 PA VOA-Tinang: CC w/ OM tlk (Earhart 3/28)
 15260 1425 443 JPN R. Veritas: EE nx, tlk, ID, mx (Makishima 3/25)
 15310 0001 222 CA RV: EE ID, U/lang prgm (Stephenson 3/2)
 17790 0100 333 CA VOA: EE nx, ID (Brookwell 3/22)



RYUKYU ISLANDS

7165 *1059 343 MS VOA-Okinawa: EE ID, tlk (Jones 3/23)(Thompson NM)
 7255 1248 333 OR VOA-Okinawa: EE lessons, // 7275 (Phil) (Bodell 4/18)

SABAH

4970 1503 232 OR RMS: BM tlk, Malay mx (Uerlings 3/23)(Cleveland CA)

Radio Malaysia (Sabah)

SARAWAK

4835 1349 444 CA RMS-Kuching: BM tlk, ID, pop mx (Naylor 3/17)
 4895 1445 --3 CA RMS-Kuching: Iban w/ Malay mx (Cleveland 3/24)
 4950 1500 252 CA RMS-Kuching: EE w/ pop tunes (Radtke 4/3)(Cleveland)
 5005 1445 433 OR RMS-Sibu: Iban tlk, pop mx, 1500* (Uerlings 3/20)
 5030 1453 --3 CA RMS-Kuching: Bidayuh w/ pop stds (Cleveland 3/24)
 7160 1253 333 OR RMS-Kuching: CC tlk, Malay mx (Bodell 4/18)
 7270 1318 343 CA RMS-Kuching: Islamic chants, // 5005 (Snyder 3/28)

Radio Malaysia (Sarawak)

SAUDI ARABIA

6130 0652 333 TX BSKSA: AA mx, nx, mentions "Arabiyah" (Fleming 3/22) ??
 9730 2208 322 ONT BSKSA: AA mx, tlk, IDs (Baumgartner)(Miklejewski MN)
 11795 1756 333 MA BSKSA: AA mx, ID, tlk (Zimarowski 3/17)
 11825t 1511 242 CA BSKSA: Persian? w/ AA chanting (Snyder 3/21)

SINGAPORE

5010 1430 242 CA RS: EE nx, // 5052 (Nebron 3/5)
 5052 1325 444 CA RS: EE tlk, mx, prgm sked (B. Miller 4/9)(Cleveland)
 6000 1350 333 OR RS: CC tlk by YL, // 9635 (Bodell 4/18)
 7250 1353 232 OR RS: weak w/ tlk by OM in B. Malay., // 6155 (Bodell)
 11940 1600 353 CA RS: EE w/ pop mx, requests (Radtke 3/27)(Stephenson)

SRI LANKA

9720 1555 343 OR SLBC: EE tlk, ID, BBC nx, hymns, TCs, etc. (Pitts 3/20)(Stephenson CA)(Pimblett ALB @ *1731).....
 11800 *1900 433 MA SLBC: EE request prgm (Zimarowski 3/18)(Perry QUE)
 15425 1635 433 ONT SLBC: EE w/ "Contact prgm" (Baumgartner 3/13)

SYRIA

9544 1855 232 OR R. Damascus: continous AA instr. mx (Bodell 4/1)

The Voice of Free China

TAIWAN

11825 1830 333 CA VOFC: EE cntry on PRC by YL (Brookwell 3/29)
 11860 0012 211 CA VOFC: CC tlk, organ mx, Soviet QRM (Brookwell 3/31)
 15345 0215 333 NM VOFC: EE tlk, IDs, CC mx (Thompson 3/24)
 15370 0055 332 CA VOFC: Mandarin tlk, ID, CC mx (Snyder 4/9)
 17890 0145 333 CA VOFC: CC songs, drama, instr mx (Brookwell 3/2)

THAILAND

4830 1336 232 OR RT: Thai w/ OM singing, chanting (Bodell 4/18)

THE VOICE OF TURKEY

TURKEY

9515 & *2200 444 TN VOT: EE nx, mx, etc. (Kelly 3/22)(Gebhardt IA)(Cohen MA)(Butterfield MA)(Lovert OH)(Hinds TRIN)(Scannell MA)(Makishima JPN)(Gelfand NY)(Grider MD)(Fleming TX)
 11880

U. S. S. R.

3995	1333	333	CA	Nikolayevsk relay M2: RR w/ cl mx, ID (Naylor 3/12)
4825	1340	232	CA	RM via Vladivostok: KK tlk, IS, jammed Snyder 4/6)
4885	1504	--3	CA	Novosibirsk re M1C: RR w/ vocals (Cleveland 3/15)
4940	1250	444	CA	Yakutsk local w/ chants, songs, RR annex (Sparks 4/11)
5015	1450	--3	CA	Vladivostok local w/ pgm of classical mx (Cleveland)
5945	1430	434	CA	Peace & Progress w/ CC, 2nd RR HS under (Naylor 3/11)
7135	0419	434	WA	RM via ? w/ EE answers to letters (C. Miller 3/22)
7150	0156	222	MO	RM: EE w/ classical mx (Arneson 3/31) European site?
7170	0553	222	WA	RM via Novosibirsk: EE w/ world nx, cmtry (C. Miller)
7185	1200	242	VA	RM via Novosibirsk: Mongol tlk, mx, 1245 P&P (Legge)
7200	1455	--3	CA	RM via FE site: RR w/ lite mx, Mayak ID (Cleveland)
7260	1130	242	VA	RM via Yuzhno-Sakhalinsk: KK tlk, mx (Legge 4/6)
7270	1100	242	VA	Peace & Prog via Chita: Mongol: Mongol, 1130 RM in KK (Legge)
7340	1130	343	VA	RM via FE site: CC tlk, // 7170 (Legge 3/23)
9485	0217+	222	CA	RM IS, Vilnius, 0500 Mayak, then Pac Ocean (Brookwell)
9520	1125	433	FL	RM via ? w/ EE to SEA, 1130* (White 4/7)
9540	0430	444	WA	RM via ? w/ EE world nx, cmtry (C. Miller 3/23)
9620	0630	444	CA	Pacific Ocean ID @ 0700 in RR, // 9770 (Brookwell)
9780	1912	333	CA	Petropavlovsk Kam re Yerevan, Rodina, RM (Brookwell)
9810	0350	222	CA	RM via Khabarovsk: US mx, EE ID, nx, // 9770 (Brookwell)
11860	0210	222	CA	RM via Petro Kam: EE nx, mx (B. Miller 4/1)
	0322	354	WA	R. Kiev via P-K: EE w/ stamp pgm (C. Miller 3/20)
11690	0322	433	CA	R. Yerevan val FE site: EE ID, nx (Bixby 3/26) o.o.o.
11950a	1648	443	WA	RM via ? via w/ EE tlk, cmtry (C. Miller 3/20)
11990	0100	444	CA	Pac Ocean IS, then RM IS, nx, mx (Brookwell 3/31)
12050	2330	343	NM	RM via Petro Kam: EE nx, classical mx (Thompson 3/18)
15085	0330	211	CA	RM via ? w/ IS, RR tlk, QRN (Brookwell 3/7)
15140	0048	333	WA	R. Kiev via Vladivostok: EE "Mailbag" (C. Miller 3/21)
15180	2302	444	WA	RM via Petro Kam: EE w/ "Thinking Out Loud" (Miller)
15450	0101	444	WA	RM via ? w/ EE ID, IS, mx (C. Miller 3/14)
15455	0056	444	WA	R. Kiev via Petro Kam: S/off w/ freqs (Miller 3/14)

Armenian SSR

4040t 1112 333 FL Yerevan HS w/ folk mx, RR? tlk, cl mx (White 4/7)

Kazakh SSR

5035 0130 212 FL RM via Alma Ata: IS, CC tlk, LA QRM (White 4/2)
7300 0330 211 CA Petropavlovsk re R. Vilnius: RR tlk, IS (Brookwell)

Tadzhik SSR

7300 2130 242 VA RM via Dushanbe: EE to Afr., // 7400 (Legge 3/20)

Uzbek SSR

9540 1210 433 TRIN R. Tashkent: EE ID, nx, political cmtry, mailbag
(Hinds 3/13)(Perry QUE)(Miller OH)(Miklejewski MN)...
11925 1500 251 CA RT: IS, Hindi? ID, mx (Snyder 3/28)(in EE Perry QUE)

VIETNAM

4860 1425 222 CA R. Hanoi: Laotian w/ nx (Nebron 4/10)
4995 1340 343 CA RH: YL in VV, OM w/ slo speed EE tlk (Sparks 3/28)
7373a 1231 243 PA Hanoi 1 relay to South w/ VV mx, tlk (Yajko 3/20)
9840 1110 353 FL RH: Cambodian tlk (White 3/30) ex-Tay Nguyen (BBCMS)
10040 1300 353 TN VOVietnam: EE nx, ID (Kelly 3/27)(Miklejewski MN)
10060 1219 343 PA VOV: VV tlk, mx, ID (Yajko 3/20)(White FL)

YEMEN ARAB REPUBLIC

7235 1623 442 JPN R. Sana': AA mx, // 9780 (despite BBCMS) (Junqua 4/4)
9665 1555 322 OR RS: AA to 1629*, DW, Sweden QRM (Uerlings 3/30)
9780 2053 232 OR RS: continuous AA mx (Bodell 4/10)

D. P. R. YEMEN

11770 1442 222 OR DYBS: OM songs in AA (Bodell 4/18)

OCEANIA

Radio Australia

AUSTRALIA B=Brisbane C=Canarvon L=Lyndhurst M=Melbourne P=Perth S=Shepparton

4920 1145 322 OH ABC(B): EE w/ ID, US mx (Miller 3/20)
5995 0950 444 IA RA(L): EE w/ pop mx, nx (Gebhardt 3/14)(Estes MS)
(Kelly TN)(Radtk CA)(Scannell MA)(Baumgartner ONT)
6005 1215 333 WI RA(L): EE, // 5995 (Zilmer 3/28)(B. Miller CA)
6090 0740 111 IA ABC-Sydney: EE cmtry, mx (Gebhardt)(Earhart)(Uerlings)
6150 1200 424 QUE ABC-Melbourne: EE Parliament bst (Perry 3/24)(Zilmer)

AUSTRALIA (continued)

7215	1147	242	OH	RA(C): Indo w/ C&W mx, nx (Miller 3/13), in EE @ 1500 w/ nx, ID (Sparks CA 3/31)(Miklejewski MN 3/31)
7220	1133	332	PA	RA(S): EE pgrm (Earhart 4/3)(Miklejewski MN)(Yajko PA)
7135	1245	333	QUE	RA(S): Indo w/ EE lessons (Perry 3/7)(Naylor 3/16)
7290	1225	333	PA	RA(S): Mandarin ID, mx (Yajko 3/20)(Earhart 4/3)
9560	1249	233	MI	RA(C): Mandarin pgrm (Brooker 4/4)
9580	1145	443	MD	RA(S): EE w/ "DXers Calling" (Grider 4/14)(Woltman WI) (Gelfand 3/25)(Scannell MA)(B. Miller CA)(Yajko PA)
9600	1300	444	MS	RA(S): Indo w/ EE lessons (Estes 4/18)
9610	1300	333	MS	ABC(P): EE nx, horse race results (Breedon 3/12) (C. Miller WA)(B. Miller CA)(Perry QUE)(Pitts OR)
9680	1247	443	MN	ABC(M): EE w/ ABC nx, ID (Miklejewski 4/6)(Perry QUE)
9770	1410	333	QUE	RA(S): EE nx (Perry)(Smith FL)(Thompson NM)(Yajko PA)
11725	1830	444	WA	RA(S): EE mx pgrm, // 9540 (C. Miller 3/14)
11810	1000	444	JPN	RA(S): JJ ID, IS, "Hello Japan" (Makishima 3/31)
11885	0830	333	JPN	RA(B): EE, Pidgin w/ nx, tlk, mx (Makishima 3/24)
15160	0600	252	NJ	RA(L): EE nx, mx, // 15240 (Cohen 3/26)(Brooker 3/28)
15190	0140	252	CA	RA(C): EE w/ "My Little Town" song (Young 3/7)
15240	0520	242	MN	RA(L): EE w/ "World of Mx", tlk (Miklejewski 3/26)
15290	*0359	243	OH	RA(S): EE IS, ID (Loverti 4/14)(Brookwell CA)
15320	*0100	232	NJ	RA(S): EE IS, ID, nx, // 17795 (Cohen 3/30)(Loverti OH)(Brooker MI)(B. Miller CA)(Yajko PA)(Pimblett ALB)
15355	0430	322	TRIN	RA(S): EE w/ "This Week in Business", mx (Hinds 3/28)
15425	0532	231	MN	ABC(P): EE w/ ABC nx (Miklejewski 3/26)
17740	0330	222	CA	RA(S): EE w/ pop hits, OM tlk (Brookwell 3/21)
17870	0155	242	TRIN	RA(S): EE w/ "A Brighter Day", letters (Hinds 3/30)

COOK ISLANDS

COOK ISLANDS

32650	0525	343	CA	CIBNC: EE relay NZBC 0600-0845, // 11780 (Young 3/21)
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NEW CALEDONIA

7170	1102*	343	MS	<u>Radio Noumea</u> RN: FF ID, freqs, "La Mars'se" (Jones 3/23)(Breedon MS @ 0718)(Gebhardt IA)(Zimbarowski MA)(Radtke CA)
11710	0732	343	JPN	RN: FF w/ pop mx, tlk (Numata 3/21)(Stephenson CA)

NEW ZEALAND

6105	1143*	332	WI	NZBC: EE nx, mx, freqs, pgrm sked (Zilmer 3/18)
9520	0855	241	JPN	NZBC: bird call IS, EE ID, nx, mx (Makishima 3/22)
9585	0700	242	CA	NZBC: EE nx, mx, tlk, 0844* (Herbold 4/4)(Smith FL)
11780	0600	444	HI	NZBC: "Arthur Cushen's DX World" (Tomori 4/7)(Cohen NJ)(Woltman WI)(Fleming TX)(Miklejewski MN)(C. Miller)
11845	0335	322	MA	NZBC: EE ID, mx, nx (Pierce 3/22)(Breedon MS)(Snyder CA)(Arneson MO)(Brookwell CA).....
15380nf	0230	222	CA	NZBC: mx, ID, nx, variety show (Brookwell 4/5).....

PAPUA NEW GUINEA

2340	1150	111	TX	R. West New Britain: Pidgin w/ mx, 1205* (Vokes 4/11)
2450	1155	131	TX	R. West. Highlands: Pidgin w/ C&W mx (Vokes 4/11)
3220	1136	221	TX	R. Morobe: Pidgin w/ C&W mx (Vokes 4/11)
3245	1153	141	TX	R. Gulf District: Pidgin? mx, annx (Laves 4/10)
3260	1140	131	TX	R. Madang: Pidgin w/ local mx (Vokes 4/11)
3335	1143	333	TX	R. East Sepik: Pidgin tlk, pop mx (Vokes 4/11)
4890	1130	222	MD	NBC-Port Moresby: EE drama, 1300* (Grider 3/14)(Smith FL)(Fleming TX)(Yajko PA)(Miklejewski MN)(C. Miller)
9520	0633	433	CA	NBC: EE/Pidgin, requests, nx, wx (Birby)(B. Miller)

TAHITI

6135	0404	343	OR	RT: FF/TT w/ mx (Pitts)(Uerlings)(Birby CA)(Brookwell)
11825	& var	---	NA	RT: also w/ FF/TT tlk, Polynesian mx, pop mx (Breedon MS)(Stephenson CA)(Radtke CA)(Earhart PA)(Yajko PA)
15170				(Vokes TX)(Baumgartner ONT)(Brooker MI)(Thompson NM)



C L A N D E S T I N E

3549t	1218	232	OR	R. Dili (E. Timor): continous pop mx (Bodell 4/18)
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----- D A T E L I N E -----

CHINA...Beijing Home Svce announced this sked in Mandarin on March 17th: 1st pgrm-on 3220 (1233-1735, 2000-2100); 4460 (0845-1735(Tu), 0933-1735, 2000-2220); 5320 (0848-1735, 2000-2300); 7935 (1043-1735, 2000-2135); 11330 (2103-1230); 15230 (2223-0930); 15550 (0130-0845); 15590 (2338-1040)....and.....

CHINA (continued)...Beijing 2nd prgm: 3290 (1203-1600, 2100-2240); 4250 (0950-1600 (W.F.), 1033-1600, 2100-2400); 5075 (0903-1600, 2100-0130); 7190 (0003-1030); 10260 (2243-1200); 15450 (0133-0900) other freqs remain unchanged (BBCMS)

INDIA...The General Overseas Svce of AIR made the following changes in March: (2245-0115) new 9525, ex-9575, 9590, ex-9520, 11850, ex-15280, 6085 apparently extended to 0115; (1000-1100) new 15165, ex-9575; (1745-1945) new 9720, ex-9575...all others remain unchanged from '76 WRTH.....NHK's DX News 4/4....

INDONESIA...Jakarta domestic service reported that, according to the Director General of Radio, etc., there are 477 radio transmitters in the country, excluding those operated by RRI. They include 347 commercial, 38 non-commercial, and 92 regional government transmitters. RRI operates 48 transmitters (BBCMS)

IRAQ...changes from '76 WRTH Baghdad's External Svce: (0800-1100) Persian, add 3195; also Persian (1600-1900), ex 1700-2000; Turkish now (1900-2000); English now (1930-2030); German now (2030-2130); French now (2130-2230) on 9758 (BBCMS)

KOREA/SEOUL...now has 6 hour EE bcsts @ 0200, 0400, 1000, 1130, 1530, 1800, 2100, and 2200 on 7150, 9600, 9640, 11850.....NHK's DX News 4/18....

LEBANON...R. Lebanon now uses 11795 to Latin America, 2300-30 PP; 2330-0030 AA; 0030-0100 EE, according to Sergio Dori Partamian, Brasil.....SCDX # 1372)

MONGOLIA...UBR now has EE @ 1220-1250 on 5960, 6383.....NHK's DX News 4/11....

PAKISTAN...add this to RP's External Svce sked of last month....Afghan-Persian Svce now (1400-1700), ex-1615-1900, on 3240, 4020.....in addition, (1215-1315) is Turki Svce, not Turkish.....(BBCMS).....

PAPUA NEW GUINEA...The National Broadcasting Commission of Papua New Guinea has asked for legislation to make it an independent organization, with plan for introduction of commercial radio broadcasting later this year...RA News 3/25..

PAPUA NEW GUINEA...A recent letter verification from R. Eastern Highlands, Goroka, indicates their transmission sked has been reduced to 5 hours/day..reb

PHILIPPINES...R. Veritas announced they would begin "regular" bcsts to South Asia on 4/10; (0100-0200 and 1400-1500) on 11725 and 15260. G1b Junqua, Japan

SAUDI ARABIA...recent changes for BSKSA, Riyadh: (0500-0815) on 7190, ex-7250; (0820-1535) on 11890, ex-11800; (0830-1600) on 9580, ex-9740; (1000-1530) on 9702, ex-9720; (1230-1500) on 5990, ex 5985; (1530-1900) on 11715, ex-11780..

"AS IT HAPPENS"/TIMOR...Among the interesting people interviewed re-...BBCMS cently on this popular talk show on CBC was the Foreign Minister for the independence, anti-Indonesian FRETILIN group in East Timor. He was interviewed by Barbara Frum on 4/1 in a segment entitled "The War Nobody Knows About"...it seems those in the DX world are the only ones in North America familiar with the Timor situation....reb.....more on.....

TIMOR...John Campbell, now living in Australia, provides the following observations on R. Dili, on 3542v, from around 0900 to 1500. There is evidence that the facilities were set up by the Indonesian navy and that the staff is partly ex-RRI Kupang, and "tame" PP speaking locals. Some days there is an Indo prgm (1300-1330), mostly simple language lessons. But mainly request pgrms, nx, many on 1/2 hour, and commentaries in favor of friendship w/ Indonesia; and for unity of Timor and praise for the Provisional government. Some pgrms directed to regional listeners have varying IDs which may cause confusion, eg. "prog. de R. Maubara", and "prog. de R. Atambua." No sign of FRETILIN bcsts now. The correct name for their old station was R. Ramelau, in reference to the title of their favorite revolutionary song...via Numero Uno

VIETNAM...In addition to Chinese, Russian, and English lessons, Hanoi has introduced French lessons (1000-1015) on 4995, 6428, 7416, 7470, 10222 (which run 0900-1600), 10010 is not now being used.....RA's DXers Calling 4/12....

YEMEN/ADEN...DYBS has the following sked in Arabic: on 5060, 5970, and 7190 (0300-2200..not 1700-1715 and 1845-1900 on 7190); 11770 (1100-2200)...BBCMS..

"A GUIDE TO SOVIET BROADCASTING"...has just been published by SPEEDX...it's full of info you won't find anywhere else...especially helpful to the many who have questions on Soviet DXing...a modest price...send to HQS for yours..

A special welcome to 11 new reporters among the 59 contributors this month: Larry Arneson, William Breeden, Greg Caliri, "Snapper" Estes, James Gebhardt, Yasuo Ishizaki, Roger Legge, Noriyuki Numata, Bob Pierce, Carlos Silva, and Robin Tomori...thank to you all...Remember to check over the loggings you send for completeness, accuracy, and your name on every one. In most cases don't send in more than one logging per freq/station, and put //s on the same logging. Keep your loggings as up to date as possible, mailing them so that they get here before the 19th of the month...thank...Do to lack of interest and lack of space***A/O KWICKIE KWIZ***has been dropped. (Unless there is a big demand for it to return). Last month the old pro Bill Cleveland was again correct with the answer-Mt. Hagen...great goin' Bill!.....

Let's hear from YOU next month...Support SPEEDX in this WDXCY...73...4/21/76

Bob

WORLD SERVICE STATION SKEDS

EMISSIONS

PROGRAMMI

TRASMISSIONI

BULLETIN DE PROGRAMMES

Editor:

MEL HICKMAN
7409 S.E. 82nd
PORTLAND, OR 97266

PROGRAMS

ENGLISH SERVICE

SERVIZIO

PROGRAMME SCHEDULE

Deadline: 15th

COMUNICATI NEL CORSO

CURRENT ENGLISH SCHEDULES TO NORTH AMERICA

COUNTRY	STATION	TIMES (GMT)	FREQUENCIES	REPORTERS
Albania	R. Tirana	0000-0030	7065, 9750	Lunstrum, BECMS
		0130-0200	6200, 7300	
		0230-0300	6200, 7300	
		0330-0400	6200, 7300	
		1100-1130	9500, 11985	
Canada	RCI	0100-0157	6085, 9640, 11940	Mebzon
		0400-0600	9655, 11765	
		1115-1215	5970, 9655, 11825, 15175	
Cuba	RHC	0100-0450	11930	Lunstrum
		0100-0600	11725	
		0330-0600	11760	
		0630-0800	9525	
		2050-2150	11960, 17750	
Czechoslovakia	R. Prague	0100-0157	5930, 7345, 9540, 9630, 9740	Lunstrum
		0300-0357	Same as above.	
Ecuador	HCJB	0100-0500	6095, 9560, 11915	McLeod
		0500-0700	6095, 9560	
		1215-1230	11745	
		1230-1630	11745, 15115	
England	BBC	0000-0330	5975, 6175, 7325, 9510, 9580	Direct
		0330-0430	5975, 6175	
		1100-1330	5990	
		1500-1615	17840	
		1600-1715	9580 (Sat/Sun *1500)	
		2115-2245	9580, 11780	
		2245-2300	5975, 7325, 9580, 11780	
Germany, F.R.	DW	2300-2400	5975, 6175, 7325, 9510, 9580, 11780 (2330*)	Benjamin Famularo Cleveland
		0130-0150	6010, 6040, 6075, 6100, 9565, 9605, 11865	
		0530-0550	6100, 6185, 9545	
Ghana	R. Ghana	2000-2100	11850	
Greece	V. of Greece	0015-0030	News 9760	Cleveland
		0215-0230	" 9760	
		1215-1230	" 9520	
		1515-1530	" 9520	
Hungary	R. Budapest	0200-0230	Tu-Su 6000, 7180, 9585, 9833, 11910, 15220, 17710	Lunstrum, Bernstein
		0300-0330	Same as above.	
		0400-0415	W, Sa Same as above.	
Israel	IBA	0500-0515	5900, 7412, 9009	Woltman
		1200-1230	11645, 15100, 15485, 17865	
		2000-2030	7412, 9815, 11645, 15100	
		2230-2300	7412, 9820, 11645, 12025	
Japan	R. Japan	0130-0230	15195, 15235, 17725, 17825	Direct
		2345-0045	15270, 15300	
Korea, Rep. of	R. Korea	0500-0530	7150, 9640, 11850, 11860	Hardester
		0900-0930	Same as above.	
		0000-0030	M 6185	
Norway	R. Norway	0200-0230	M 6185	Bernstein
		0400-0430	M 6185, 9610, 9645	
		0600-0630	M 9645, 11870	
		1400-1430	Su 15170	
		1600-1630	Su 15170	
		1800-1830	Su 11895	
		2200-2230	Su 11870	
		0230-0300	6025, 11935	
Portugal	P. Portugal	0430-0500	6025, 11935	Hardester
		2226-2320	9585, 11900, 11970	
South Africa	R. RSA	0030-0100	11955	Bernstein, Gebhardt, Yajko
Sweden	R. Sweden	0230-0300	9695, 11705	Direct
		1230-1300	15305	
		1400-1430	15305	
		2300-2330	6120, 9695, 11705	

CANADA: This sked for the CBC Northern Services came from Tommy Lunstrum:

0000-0605 5960, 9625
1128-1400 5960, 9625
1400-2400 9625, 11720

Broadcasts are in English, French, Cree, and Eskimo.

COSTA RICA: TIFC, San Jose, opens in Spanish at 1000 (Sun 1100) and signs off at 0430 (Sat 0445). English begins at 0320 on weekdays and 0300 on Sat and Sun, this on 6035 and 9645. (Breedeen)

EGYPT: Another N.A. transmission is R. Cairo's 0200-0330 beam on 9475. (Lunstrum)
At 2200-2315, the RC English beam to Europe is on 9805. (Breedeen)

FRANCE: RFI has shifted its Paris Calling Africa program to begin at 1600 according to a transmission monitored by Breedeen.

GHANA: Besides the beam to N.A., R. Ghana has the following English transmissions:
0600-0800 WAFr 6130
1400-1430 EAFr 15285
1445-1530 C/EAFr/Aust 15285, 21545, 21720
1600-1700 WAFr 6130
1645-1730 EAFr 15285
1815-1900 EAFr 15285
2000-2300 WAFr 6130
2045-2215 Eur 9545 (Famularo)

GUINEA: Radiodiffusion Nationale has this French and Vernacular schedules:
1230-0830 1403, 4910, 6155, 7125, 9650, 11965, 15310 (Bixby)

HONDURAS: HRVC, Tegucigalpa, on 4820 has English from 0300-0500. (Lunstrum)

KOREA, REP. OF: R. Korea shows these Eng beams on its temporary sked:
1100-1130 LA 9640, 11850, 11860
0630-0700 Eur 7150, 9640, 11860
1430-1500 SEA 7150, 9600, 9640, 11850
1900-1930 Eur 7150, 9640, 11860

Additional beams to N.A. include Spanish at 0230-0300 and Korean at 0200-0230, 0530-0600, and 0830-0900; both on 7150, 9640, 11850, and 11860. (Hardester)

MOROCCO: RTVM's Program A (Domestic Service) has this sked from Sebba-Aloun: 7225 daily at 0600-0900 and 1200-1500, Sundays and Fridays 0600-2400
1535 daily at 0600-0900 and 1200-2400, Sundays and Fridays 0600-2400

From Tanger:
9615 daily at 1900-2200
11735 daily at 0600-0900 and 1200-1830
Program B is broadcast from Sebba-Aloun on 7115 at 0700-0900, 1200-1500, and 1800-2400 daily and 0730-2400 Sundays.
Special programming is aired from Sebba-Aloun on 6190 and from Tanger on 11735 and 15410 at 1830-2230. (Bixby)

PHILIPPINES: FREBC, Manila, has this English schedule:

To S.E. Asia and India:
0100-0600 15390, 17810 (0800* Sundays on 15390)
0800-0900 9505
1215-1400 15440

PHILIPPINES (CONTINUED)

1400-1645 15300, 15440
2315-0100 1470, 11855
To Indonesia, Japan, and N.A.:
0800-1000 11920
1100-1130 7225, 11920
2300-2345 15440, 17810
2345-0100 17810

To Australia and New Zealand:
0800-1000 11890
2315-0100 17810, 21515
0100-0600 21515 (Sundays 0800*) (Benjamin)

POLAND: According to BBCMS, Warsaw's Domestic Service Program III is aired on the short wave bands with this sked:
0400-0505 6035, 9570
0505-0630 9570
0630-0700 7180, 9570
0700-1405 7180, 9755
1405-1430 9755
1430-1615 6035, 9755
1615-1640 6035
1640-2300 6035, 7110
Sign on Sundays is at 0500.

PORTUGAL: R. Portugal has two 1½ hour Portuguese transmissions to N.A. beginning at 0030 and 0300 on 6025 and 11935. (Hardester)

SOUTH AFRICA: Besides the N.A. beam, these R. ESA beams are sometimes heard well on this side of the ocean:
0256-0426 EAFr 3995, 5980, 7270
2056-2150 WAFr/Eur 5980, 7270, 11900 (Famularo)

SPAIN: RTVE/RNE beams Spanish to North and Central America at 0100-0300 and 0300-0500 on 6120, 9630, and 11775.

Additional programming can be heard at 2200-2300 and 2300-2400 on 9630 and 11880. (Thompson, Bodell, Rujewski, Famularo)

TURKEY: Gebhardt notes the VOT has English at 2200-0030 on 9515 and 11880.

UGANDA: According to BBCMS and Rujewski, R. Uganda has this English sked: (all frequencies use 250 kw from Soroti)
1430-1530 E/CAFr 6030
1615-1730 SAfr 9515
1800-1830 WAFr 15325 (Su, Tu, Th, Sa)
2030-2100 NAfr 9730 (Su, M, W, F)

French is on the air at -
1530-1600 E/CAFr 6030
1830-1900 WAFr 15325 (Su, Tu, Th, Sa)
1900-1945 NAfr 9730 (Su, M, W, F)

Other transmissions include Swahili to E/CAFr on 6030 at 1400-1430, Shona to SAfr on 9515 at 1730-1800, and Arabic to NAfr on 9730 at 1945-2030 (Su, M, W, F).

VIETNAM: From Beaudoin, Bixby, and Kurtz come this sked for VOV:
English at 0100, 1000, 1300, 1600, and 1800.
French at 0230, 0430, 1330, and 1900.
Spanish at 0200, 0300, and 1100.
Japanese at 1200, 1500, and 2200.

All transmissions are on 10040 and 12035. A SCDX reporter has noted a Russian transmission signing off at 1657 on 10040 and announcing 25 and 31 meter frequencies.

UTILITY REPORT



EDITOR:

KEN COMPTON
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BRIGHTON, MA 02135

Deadline: 15th of the month

LOGGINGS NORTH AMERICA

ALASKA:	2809	0729	NRW1 Sitkinak Loran OM EE tfc USB (Chabak-CO)
		0902	NRW Cape Sarichef Loran tfc USB (Chabak-CO)
		0921	NRW2 St. Paul Loran OM EE tfc (USB (Chabak-CO)
	5317	0746	NMJ22 Attu Loran OM EE tfc USB (Chabak-CO)
		0936	NRW3 Port Clarence Loran OM EE tfc USB (Chabak-CO)
CANADA:	2182	0245	VBF DOT Port Burwell ONT Securite bcst AM (French-MD)
		0438	VAX DOT Canso CQ mkr CW (French-MD)
		0433	VGN Grindstone QUE tfc SSB (French-MD)
	2598	0020	VCP DOT St. Lawrence Mfld. OM EE wx AM (Olsson-CT)
		0025	VEH CCG Kingston ONT OM EE wx AM (Olsson-CT)
	2987	0452	Gander Aeradio tfc AM (French-MD)
	8722	1625	VAI DOT Vancouver BC CQ mkr CW (Thompson-NM)
	8696	2150	CFH Navy Ellerhouse NS V mkr CW (Thompson-NM)
	6385	0423	CKN Vancouver Military V mkr CW (Breedon-MS)
	6430	0755	CFH Navy Ellerhouse NS V mkr CW (Breedon-MS)
	8117	0012	CKN Vancouver Military V mkr CW (Somers-CA)
	8463	1624	CKN Vancouver Military V mkr CW (Kurtz-MN)
	8615	0147	CKN Vancouver Military V mkr CW (Scott-FL)
	8666	2030	CFH Navy Ellerhouse NS V mkr CW (Kurtz-MN)
	8722	2042	VAI Vancouver Marine R. CQ mkr CW (Kurtz-MN)
	8868	2130	Gander VolMet OM EE wx AM (Routenburg-ONT)
	16578	0140	CFH Navy Ellerhouse NS CW (Scott-FL)
U.S.A.	2036	0324	WCC RCA Chatham MA QRA mkr CW (French-MD)
	2182	0430	NM12 USCG Chilmark MA tfc SSB (French-MD)
		0233	NMG USCG New Orleans LA tfc (French-MD)
		0216	NMA USCG Miami FL tfc (Carvin-MA)
	2670	0135	NMX1 USCG Annapolis MD clg ship SSB (Carvin-MA)
	2694	0955	NMP2 USCG Woods Hole MA OM EE tfc USB (Chabak-CO)
	2702	0500	NOM USCGAS Miami FL OM EE tfc AM (Brick-MA)
	4310	0130	WNU TRT Slidell LA tfc CW (Cook-MN)
	4390.2	0638	WOO Ocean Gate R. Manahawkin NJ OM EE clg ship AM (Routenburg-ONT) 2300 (Cook-MN)
	4393.4	0428	NMC USCG San Bruno CA OM EE wx bcst AM (Brick-MA)
	4400a	0220	NMG USCG New Orleans LA OM EE tfc AM (Brick-MA)
	4430a	0225	WOM ATT Ft Lauderdale FL tfc SSB (Brick-MA)
	4603	2145	Blackhawk CAP OH tfc USB (Cook-MN)
	5314.5	0723	NMN73 Carolina Beach NC Loran tfc USB (Chabak-CO)
	5519	0236	Oakland VolMet OM EE wx AM (Thompson-NM)
	6210a	1301	WDC Magnolia Marine Transport Greenville MS tfc SSB (Jones-MS)
	6411	2325	WOE RCA Lantana FL tfc CW (Cook-MN)
	6738	0243	AFI McClellan AFB CA tfc USB (Cook-MN)
	7580a	0852	NAR USN Key West FL ID mkr CW (Chabak-CO)
	8514	1622	WSL ITT Amagansett NY CQ mkr CW (Kurtz-MN)
	8570	1830	WNU TRT Slidell LA CQ mkr CW (Thompson-NM)
	8574	2215	NMC USCG Point Reyes CA CQ mkr CW (Thompson-NM)
	8610	0150	WSC RCA West Creek NJ tfc CW (Scott-FL)
	8618	1630	KPH RCA San Francisco CA V mkr CW (Kurtz-MN)
	8658	0150	WSL ITT Amagansett NY CQ mkr CW (Scott-FL) 1712 (Thompson-NM)
	8666	2208	KLC ITT Galveston TX CQ mkr CW (Thompson-NM)
	8686	2201	WMH RCA Baltimore MD V mkr CW (Thompson-NM)
	8727.5	2045	NMF USCG Marshfield MA tfc CW (Kurtz-MN)
	8735	1644	KMI ATT Dixon CA tfc USB (Cook-MN)
	8903	0238	Oakland VolMet OM EE wx AM (French-MD) 0710 (Gebhardt-IA)
	12931a	2031	NMF/NIK USCG Marshfield MA CQ mkr CW (Thompson-NM)
	17106	2045	WWD BuComm Fisheries LaJolla CA tfc CW (Cook-MN)

CARIBBEAN

BARBADOS: 6379.5	0753	8PO C&W Bridgetown ID mkr CW (Breedeen-MS)
8718	0142	8PO C&W Bridgetown CQ mkr CW (Scott-FL)
12709	2250	8PO C&W Bridgetown ID mkr CW (Thompson-NM)
BERMUDA: 5314.5	0925	NOL Bermuda Monitor OM EE tfc USB (Chabak-CO)
8718	2240	VRT C&W Hamilton V mkr CW (Thompson-NM)
BRITISH WEST INDIES:		
4048.5	0735	NMA5 USCG So. Caicos Loran EE tfc USB (Chabak-CO)
CUBA: 6436	0756	CLAQ EMRADINT Havana CQ mkr CW (Breedeen-MS)
6505.5	0758	CLA5 EMRADINT Havana CQ mkr CW (Breedeen-MS)
7648	0440	IRTS Havana YL EE/SS vm SSB (Routenburg-ONT)
7955	0345	CLM23 Havana YL EE/SS vm SSB (French-MD)
8702	1555	CLA22 EMRADINT Havana CQ mkr CW (Thompson-NM)
10408	2215	COY3 Russian Navy clg RCI CW (Olsson-CT)
16380	1951	CLM531 IRTS Havana EE/SS vm SSB (French-MD)
GUANTANAMO: 6957	0330	NAW25 AAC&R EE tfc SSB (Olsson-CT)
JAMAICA: 6470.5	0216	6YI C&W Kingston CQ mkr CW (Thompson-NM) 0240 (Cook-MN)
MARTINIQUE: 6388a	0421	FUF Fr. Navy Port de France V mkr CW (Breedeen-MS)
8675.2	0145	FFP3 PTT Fort de France tfc CW (Scott-FL)
	0415	FFP3 PTT Fort de France CQ mkr CW (Kurtz-MN)
NETHERLANDS ANTILLES:		
8694	0149	PJC GRTA Willemstad tfo CW (Scott-FL) 2155 (Thompson-NM)
13042.5	2313	PJC GRTA Curacao Willemstad CQ mkr CW (Thompson)
PUERTO RICO:		
19091.7	2035	WDR71 Arecibo Ionospheric Observatory wkg WDR72 LSB (Olsson-CT)
8472	0350	NMR USCG San Juan tfc CW (Cook-MN) 0510 (Kurtz-MN)
10716	0020	NAU USN San Juan V mkr CW (Scott-FL)

CENTRAL AMERICA

GOSTA RICA: 8478	0210	TIM CRI Limon V mkr CW (Puckett-MS)
13099.5	2008	TIM CRI Limon V mkr CW (Thompson-NM)

SOUTH AMERICA

ARGENTINA: 4268	0755	LPD68 Gen. Pacheco R. V mkr CW (Trochimczyk-DC)
8646	2345	LPD36 Gen. Pacheco R. V mkr CW (Thompson-NM)
10674a	2135	CIT Buenos Aires YL SS vm SSB (Denissen-HOLLAND)
12988.5	0050	LPD88 Gen. Pacheco R. V mkr CW (Thompson-NM)
BRAZIL: 4244a	0759	PPA25 Petrobras R. CQ mkr CW (Trochimczyk-DC)
6365a	0723	PPA27 Petrobras R. CQ mkr CW (Trochimczyk-DC)
12979.5	0100	PPL PTT Salinopolis CQ mkr CW (Thompson-NM)
14500	2303	PPR48 EMBRACORTEL Rio OM EE/YL FF vm SSB (Gion-MA)
14605	1015	EMBRATEL Rio YL FF/EE OM PP vm SSB (Denissen-HOL)
CHILE: 6451	1203	CCS Navy Santiago V mkr CW (Kiyomiya-JAPAN)
6481.5	0410	CCS Navy Santiago V mkr CW (Thompson-NM)
6386.5	0431	HKC EMNATEL Buenaventura CQ mkr CW (Breedeen-MS)
8574	1155	HKC EMNATEL Buenaventura CQ mkr CW (Puckett-MS)
8666	1240	HKB EMNATEL Barranquilla CQ mkr CW (Puckett-MS)
13087.5	2002	HKB EMNATEL Barranquilla CQ mkr CW (Thompson-NM)
ECUADOR: 8473	2310	HCG Fuerza Aerea Guayaquil ID mkr CW (Thompson)
SURINAM: 8652.5	0250	PZN3 LTT Paramaribo tfc CW (Puckett-MS)
URUGUAY: 9164	2250	CXL23 ANT Montevideo YL SS La Senal time sig LSB (Olsson-CT)
10770	0230	CXL24 YL SS vm La Senal LSB (Trochimczyk-DC)
11660	2225	CXL25 La Senal YL SS time vm USB (Olsson-CT)
12750	2235	CWA Cerrito R. V mkr CW (Thompson-NM)

EUROPE

AZORES: 8967	0316	CUW USAF Lajes tfc SSB (French-MD)
12942	1707	CUG27 CPRM San Miguel CQ mkr CW (Denissen-HOLLAND)
CYPRUS: 8738.4	0312	SBA CTA Nicosia OM EE vm SSB (Gion-MA)
CZECHOSLOVAKIA:		
2980	2352	Prague VolMet YL EE vm AM (Denissen-HOLLAND)
FRANCE: 4920	1530	FDY French AF V mkr CW (Denissen-HOLLAND)
5575	0825	Paris VolMet OM FF wx AM (Denissen-HOLLAND)
13075	1000	FFT6 St. Lys R. CQ mkr CW (Kiyomiya-JAPAN)
GERMANY, W. 16324a	0225	DAM Norddeich R. V mkr CW (Thompson-NM)
8483.5	0210	DAM Norddeich R. CQ mkr CW (Puckett-MS)
12898.5	1144	DAM Norddeich R. CQ mkr CW (Denissen-HOLLAND)

ENGLAND:	6750	0323	USAF Croughton OM EE tfc SSB (French-MD)
	8496.5	0215	GKB Portishead R. ID mkr CW (Puckett-MS)
	8546	2205	GKA Portishead R. tfc list CW (Cook-MN)
GREECE:	8704	2329	Athena R. V mkr CW (Denissen-HOLLAND)
HOLLAND:	7735	0024	PDL27 PTT Amsterdam OM EE vm SSB (Gion-MA)
ITALY:	7302m	0505	IDR3 Rome Air Defense V mkr CW (Breedon-MS) 1802 (Denissen-HOLLAND)
	8485	1612	IDQ Navy Rome ID mkr CW (Koizumi-JAPAN)
	8649.5	2212	ICB PTT Genova V mkr CW (Thompson-NM)
	8687	0148	IRM Rome Medical R. CQ mkr CW (Scott-FL)
MALTA:	12709	1322	9HD C&W V-CQ mkr CW (Denissen-HOLLAND)
PORTUGAL:	6389a	0427	CTP NATO Oeiras ID mkr CW (Breedon-MS)
	8490	0352	CUL4 CPRM Lisbon CQ mkr CW (Thompson-NM)
	12943.5	2020	CUL20 CPRM Lisbon CQ mkr CW (Thompson-NM)
SPAIN:	6383	0425	EAD2 EMNATEL Aranjuez CQ mkr CW (Breedon-MS)
TURKEY:	17021.6	0620	TAH PTT Istanbul V mkr CW (Kiyomiya-JAPAN)
U.S.S.R.:	8688	0335	URD Leningrad R. CQ mkr CW (Thompson-NM)
	8698	0323	UDE2 Murmansk R. CQ mkr CW (Thompson-NM)
	12692	0927	URD Leningrad R. CQ mkr CW (Kiyomiya-JAPAN)
	12734	2240	UMV Murmansk R. V-CQ mkr CW (Thompson-NM)

AFRICA

AFARS & ISSAS:			
	13046a	2342	FUV Fr. Navy Djibouti V mkr CW (Thompson-NM)
CAMEROON:	9045.5	1956	TJF90 Douala EE/FF mkr YL SSB (French-MD)
CHAD:	11608	2145	TTZ6 FCR Djamena YL EE/FF vm USB (Olsson-CT) 2240 (Chabak-CO)
CONGO, P.R.:	6617	0324	Brazzaville VolMet OM FF wx AM (French-MD)
	10073	2305	Brazzaville VolMet OM FF wx AM (Denissen-HOLLAND)
IVORY COAST:	7570	0247	TUP75 INTELGI Abidjan YL EE/OM FF vm LSB (Chabak)
	18436.5	0855	TUP84 INTELGI Abidjan YL EE/OM FF vm SSB (Kiyomiya-JAPAN)
LIBERIA:	5110	0100	KKN44 US Embassy Monrovia QRA mkr CW (Scott-FL)
MAURITANIA:	5740a	0735	PTT Nouakchott OM FF/Ar vm SSB (Trochimczyk-DC)
NIGERIA:	13304	0036	Kano Aeradio OM EE tfc USB (Chabak-CO)
REUNION IS.:	17064	0555	FUX Fr. Navy St. Denis V mkr CW (Kiyomiya-JAPAN)
RWANDA:	16010	0950	PTT Kigali YL FF vm SSB (Denissen-HOLLAND)
SAUDI ARABIA:			
	18790a	0608	PTT Jeddah OM EE/Ar vm SSB (Kiyomiya-JAPAN)
SENEGAL:	4581	2330	6W Fr. Navy Dakar V mkr CW (Scott-FL)
	8882	0241	Dakar Aeradio EE tfc AM (French-MD)
S. AFRICA:	6386.5	0431	Z3J3 PMG Capetown CQ mkr CW (Breedon-MS)
	6494	0405	ZRH Cape Naval R. V mkr CW (Thompson-NM)
	8470	0210	ZRQ2/3/4/5 Cape Naval R. V mkr CW (Puckett-MS)
	8566	1520	Z3J4 PMG Capetown V-CQ mkr CW (Kiyomiya-JAPAN)
	8582	2335	ZRH4 Cape Naval R. V mkr CW (Thompson-NM)
	8686	2242	Z5C PMG Capetown CQ mkr CW (Koizumi-JAPAN)
TOGO:	10800	0312	5VH308 FCR Lome YL FF/EE vm SSB (French-MD) 2220 (Koizumi-JAPAN)

ASIA

CHINA, P.R.:	8502	1150	XSG Shanghai R. CQ mkr CW (Puckett-MS) 1655 (Thompson-NM)
INDIA:	8649.5	1203	VTP Navy Vizakhabatan V mkr CW (Kiyomiya-JAPAN)
	17480	0940	OTS Poona OM EE/Hindi vm SSB (Kiyomiya-JAPAN)
INDONESIA:	8706	1155	PKC Palembang R. CQ mkr CW (Kiyomiya-JAPAN)
	8734	1330	PKP Dumai R. CQ mkr CW (Koizumi-JAPAN)
	12704	1150	PKD Surabaya R. CQ mkr CW (Kiyomiya-JAPAN)
IRAQ:	8668	1347	YIR Basrah Control R. V mkr CW (Koizumi-JAPAN)
	16968	0728	YIR Basrah Control R. V mkr CW (Denissen-HOLLAND)
ISRAEL:	8694	0313	4XO PTT Haifa CQ mkr CW (Thompson-NM)
	17051	0604	4XZ Navy Haifa V mkr CW (Kiyomiya-JAPAN)
	17146.4	0547	4XO PTT Haifa tfc list CW (Kiyomiya-JAPAN) 1437 CQ mkr (Denissen-HOLLAND)
JAPAN:	8479	1701	JCU KDD Choshi City CQ mkr CW (Thompson-NM)
	8547.5	1630	JFA Matsudo R. CQ mkr CW (Thompson-NM)
	8653.6	1225	JCS KDD Choshi City CQ mkr CW (Puckett-MS) 1622 (Thompson-NM)
	8706	1632	JOS KDD Nagasaki CQ mkr CW (Thompson-NM)
	13008	1817	JOR KDD Nagasaki CQ mkr CW (Thompson-NM)
LEBANON:	13101	1107	ODR Beirut CQ mkr CW (Denissen-HOLLAND)

19920	1000	Societe R. Orient Beirut OM FF vm SSB (Kiyomiya)
PHILIPPINES:8646	2258	DZG Las Pinas R. CQ mkr CW (Thompson-NM) 1230 (Puckett-MS)
SINGAPORE:12267.5	1615	9VC56 TAS Singapore YL EE vm SSB (Denissen-HOLL)
SYRIA: 18533	0831	YKW108 PTE Damascus OM EE/Ar vm SSB (Kiyomiya-J)
U.S.S.R.:10004	2320	RID Irkutak time sigs CW (Olsson-CT)
VIETNAM: 7845	1340	PTT Hanoi YL EE vm SSB (Kiyomiya-JAPAN)

OCEANIA

AUSTRALIA:5688a	0908	RAAF Sydney R. ck w/RAAF Pearce USB (Chabak-CO)
5715a	0800	AXH RAAF Townsville OM EE tfc USB (Chabak-CO)
6428a	0715	VHP RAN Canberra V mkr CW (Trochimczyk-DC)
8481	1648	VIS OTC Sydney V mkr CW (Thompson-NM)
8597	1200	VIP AORTS Perth wx rpt CW (Puckett-MS)
8975a	0900	RAAF Sydney OM EE tfc USB (Chabak-CO)
17265.5	0045	VIS OTC Sydney OM EE tfc USB (Trubee-HI)
CAROLINE ISLANDS:		
7581.5	0801	NRV7 USCG Yap Loran tfc USB (Chabak-CO)
GUAM: 7581.5	0937	NRV USCG OM EE vm USB (Chabak-CO)
8150	1220	NPN USN CQ mkr CW (Kiyomiya-JAPAN)
HAWAII: 4050	1031	NRO2 USCG Kauai OM EE tfc USB (Chabak-CO)
	1042	NRO7 USCG Kure OM EE tfc USB (Chabak-CO)
5696	0836	MAX USN Barber's Point OM EE tfc USB (Chabak-CO)
8650	0245	NMO USCG Wahiawa V mkr CW (Puckett-MS) 1615 CQ mkr CW (Thompson-NM)
JOHNSTON ISLAND:		
4050	1010	NRO USCG Loran OM EE wkg NRO2 USB (Chabak-CO)
MARIANAS: 7581.5	0758	NRV2 USCG Loran Saipan tfc USB (Chabak-CO)
NEW ZEALAND:		
4136.3	0641	ZLD NZPO Auckland EE tfc USB (Trubee-HI)
8504	0511	ZLBA OTC Awarua CQ mkr CW (Kurtz-MN) 1150 tfc list CW (Puckett-MS)
8678	1245	ZLP3 RNZN Awarua V mkr CW (Puckett-MS) 0316 (Thompson-NM)
12943.5	0110	ZLP2 RNZN Iirirangi V mkr CW (Thompson-NM)
19488	0519	ZLX NZ Meterological R. Wellington CQ mkr CW (Kiyomiya-JAPAN)

UNIDENTIFIED

6065a	1040	Time ancnts in unknown language, long minute tone -very fast announcements AM (Gebhardt-IA)
11000a	0515	"331 36" repeated 4 times CW (Kurtz-MN)

ALL AT SEA

2182	0140	KXWJ "Anchorage" clg USCG SSB (Carvin-MA)
0749	NMHA	CGC "Acushnet" tfc (Chabak-CO)
0349	XCME	"Mazatlan" car ferry clg Guaymas AM (French-MD)
0428	PJIN	"Coral Actinia" tfc CW (French-MD)
2678	NLPM	CGC "Chase" OM EE wkg NMA USB (Chabak-CO)
2702	0505	KFLW CGC "Cape Morgan" tfc SSB (Brick-MA)
2716	0400	USS "Fidelity" wkg Charleston Tug Control SSB (French-MD)
1029	HMS	"Ajax" OM EE clg Control AM (Chabak-CO)
1043	USS	"Spruance" DD-963 wkg Charleston Tug Control USB (Chabak-CO)
1042	USS	"Thomas Jefferson" SSBN-618 OM EE tfc USB (Chabak-CO)
4136.3	0639	"Kokua" tug wkg cargo ship OM EE USB (Trubee-HI)
4400a	0140	CGC "Decisive" testing w/WNGR SSB (Brick-MA)
5696	0817	NJPJ CGC "Reliance" wkg NMO USB (Chabak-CO)
8201.2	0053	PJSU liner "Rotterdam" wkg KMI USB (Trubee-HI)
8223.6	0750	HOQJ liner "Australia" clg VIS41 USB (Trubee-HI)
8230	0615	SMXH liner "Fairstar" EE tfc USB (Trubee-HI)
8281	2212	Tug "Endeavor" clg tug "Enterprise" USB (Olsson-CT)
8362	2230	5MSI tanker "Pentelikon" clg WCG CW (Thompson-NM)
8363a	1650	JIBF "Kiyoshio Maru" clg JCU CW (Thompson-NM)
8375a	0330	GXBH HMS "Beagle" clg CFH4 CW (French-MD)
12372a	0151	ELMQ liner "Fairsea" wkg KMI USB (Trubee-HI)
2324	WTEP	"Oceanographer" US hydrographic ship OSS-1 wkg KMI USB (Trubee-HI)
12382.5	2332	KGBC "Zapata Patriot" new ship testing w/WOM USB (Trubee)
16512.5	0017	"Royal Viking Sky" Norwegian liner EE clg KMI USB (Trubee)
2350	PJSU	liner "Rotterdam" EE wkg KMI USB (Trubee-HI)

TACTICAL

4377 0245 TUGBOAT ANNIE Va. Capes Opns Area Coordinator wkg 3 QUEBEC SSB (Cook-MN)
 5443 0128 FANFARE USN Kenitra Morocco OM EE vm LSB (Olsson-CT)
 5705a 0957 ROMEO 49 OM EE wkg Charlie 54 Australian accents USB (Chabak-CO)
 5722 0640 DUNKIRK NPM USN Honolulu OM EE clg Oakland USB (Trubee-HI)
 6025a 1118 BRAVO w/BRAVO ONE & JULIET ROGER AM (Jones-MS)
 6697 0704 HANDBOOK OM EE wkg IVANHOE USB (Chabak-CO)
 0825 MIDWAY ISLAND NAU USN Roosevelt Roads P.R. OM vm (Chabak)
 6761 0843 SNOBBY (SAC sta) wkg GRY20 SSB (French-MD)
 0843 DROP CURTAIN OM EE SKYKING best USB (Chabak-CO)
 9255a 2235 DEEP END OM EE wkg ICEBOX USB (Chabak-CO)

"SPY" NUMBERS STATIONS

2610a 0720 YL SS 5-digit groups AM(Gebhardt-IA) 3/29/76
 3113 0500 "Atencion 120 60" YL SS 5-digit AM (Trubee-HI) 3/28/76
 3145 0513 "Atencion 120 60" YL SS 5-digit AM (Trubee-HI) 3/28/76
 5905 2240 YL EE 5-digit USB (Olsson-CT) 3/17/76
 9074.5 2330 YL SS 4-digit AM (Olsson-CT) 4/4/76

RADIOTELETYPE

CHINA, P.R.: 7973.5 BCP21 Shanghai RY test 66 wpm/425 hz shift (Green-UT)
 CONGO, P.R.: 14722.5 TNL77 Brazzaville FF test 66/425 (Green-UT)
 CUBA: 14627.5 CLN446/7 P/L Nx Svc Havana test SS nx 66/425 (Scott)
 FRANCE: 15650 FTP65 AFP Nx Paris FF nx 66/425 (Scott-FL)
 GERMANY, E.: 7425 DMV9 ADN Nx Agency Berlin RY test EE nx 66/425 (Green)
 JAPAN: 8175 JAE58 DPA/JIJI Press test EE nx 66/850 (Green-UT)
 OKINAWA: 14526 KUK36 VOA EE test 100/425 (Green-UT)
 SPAIN: 13103 ERA Madrid Coastal EE test w/RETJ ??/??? (Scott-FL)
 UNKNOWN: 10622 Synoptic Code wx best 66/425 (Scott-FL)
 U.S.A.: 6780 KUP71 QTH unk RY test 60/170 (Green-UT)
 7410 KYP69 QTH unk RY test 60/170 (Green-UT)
 VIETNAM: 7452 VMA21? Hanoi EE test 66/425 (Green-UT)
 U.S.A.: 19537.5 WFD99 AP NYC EE nx 66/425 (Scott-FL)

FACSIMILE

U.S.A.: 13472 USAF Wx Svc QTH unkn EE wx map of Frankfort, Ger. (Scott-FL)
 U.S.S.R.: 15950 RBI77 Moscow Wx Bureau wx map (Scott-FL)
 Lloyd Scott advises us of the following sked of Radio Photos xmins to UPI's South American bureaus which can be received by anyone having Western Union Desk Fax: 1200: 15795, 18509; 1300: 11687.

QSLs

AZORES: CUG27 GPRM Ponta Delgada 12942. F/d ltr in 20d for EE rpt & IRC (Denissen-HOLLAND)
 CUW USAF Lajes 2716. F/d ltr in 38d for ms. (Holbrook-MD)
BENIN: TYK74 FGR Contonou 17412.5. F/d ltr in 43d for EE rpt & IRC. (Denissen-HOLLAND)
BERMUDA: NOL USCG Lorsta 5313. PFC in 11d for ms. (Chabak-CO)
CANAL ZONE: NBA USN Balboa 4352. F/d ltr in 41d for ms (Walters-NJ)
INDIA: VTG Navy Bombay ??????. No data ltr in 1m surface for IRC (Koizumi)
GERMANY, W.: Deutsches Hydrographisches Institut via DAN 2614. Blue f/d cd in 12d for GG rpt & IRC. VS: Dr. H. Enslin. (Denissen-HOLLAND)
GIBALTAR: ZDK48 C&W 10660. F/d folder cd in 28d for IRC. (Denissen-HOL)
JAPAN: NRT Kami Seya Lorsta 5316.9. PFC in 30d. (Chabak-CO)
 NRT9 Hokkaido Lorsta 5315. PFC in 37d. (Chabak-CO)
MARIANAS: NRV2 Lormonsta Saipan 7580. PFC in 39d. (Chabak-CO)
MARTINIQUE: FZF38 FTS Fort de France 13834. FF ltr in 17d air for EE rpt & IRC. (Denissen-HOLLAND)
MAURITIUS: Telecom Dept. Pt. Louis 3EM3 6351.5. No data ltr in 1 month surface for EE rpt & 2 IRCs. (Koizumi-JAPAN)
NEW ZEALAND: ZLB OTC Awarua 8504. Rtrnd rpt w/veri msg on 1t (no data) in 2m surface for 2 IRCs, 1 returned. (Koizumi-JAPAN)
 ZLP RNZN Irirangi 12943. F/d ltr in 121d. (Beaudoin-CT)
NORWAY: LFN Rogaland R. 8527.5. PC in 2m air for 2 IRCs (Koizumi-JAPAN)
POLAND: SPE4 PTT Szczecin 8780. Color cd in 170d for EE rpt (Denissen-H)
PORTUGAL: CVT4 Navy Monsanto 13002. White cd in 75d for IRC (Denissen-H)
SEYCHELLES: ZCQ C&W 10760. F/d map cd in 11d air for 2 IRCs (Beaudoin-CT)
SINGAPORE: 9VG44 TAS 8757.6. F/d ltr in 1m for IRC (Koizumi-JAPAN)

9VC56 TAS 12667.5. F/d ltr in 18d for EE rpt & IRC (Denissen-HOLLAND)
SYRIA: YKW108 PTE Damascus 18533. Ltr in 41d for EE rpt & IRC (Denissen)
URUGUAY: ANTEL (La Senal) Montevideo 20230. Registered ltr for EE rpt &
IRC. (Denissen-HOLLAND)

YUGOSLAVIA: YUR Rijeka R. 4345. White cd for EE rpt & IRC. 13d (Denissen)
U.S.A.: WFL25 RFE Brentwood NY 15730 ltr in 6d no rp. (Beaudoin-CT)

WOM ATT Ft Lauderdale 7777. Sailboat cd w/date only, 7d (Beaudoin-CT)

World map cd w/date only in 19d air for ms for 13137 khz (Walters-NJ)

WFN Louisville KY 4069.2. PFC in 6d surface for ms (Walters-NJ)

WSX70 NY VOLMET 3001. Mimeo ltr w/sta data but no veri statement in

12d surface for ms (Walters-NJ)

WBL Buffalo NY 2514. Personal ltr w/date only in 26d air for ms,

(Walters-NJ)

KIG77 Nat'l Wx Svc Cape Hatteras NC 162.55. F/d personal ltr in 7d
for no RP. (Coleman-NC)

NMN37 USCG Fort Macon NC 2182. F/d PFC in 10d. (Chabak-CO)

NMA10 USCG Mayport FL 2678. PFC in 8d. (Chabak-CO)

NCH USCG Port Isabel TX 2182. PFC in 7d. (Chabak-CO)

NMB USCG Charleston SC 2679. PFC in 7d. (Chabak-CO)

SHIPS: DHRS "Sultana" 7777. PFC in 2m for IRC. Freq, Bob?

Address: Baltic Frigomaris Kuhlschiffsreederei GmbH.

2 Hamburg 1 West Germany

NNGP CGC "Cherokee" 2182. PFC in 6d for SASE. (French-MD)

NLVS CGC "Rush" 2182. PFC in 20d for ms. (Holbrook-MD)

CG Weather Cutter "Diligence" 2678. PFC 11d for ms. (Holbrook-MD)

NJQA USS "John Adams" 2716. PFC & ham cd for ms. (Holbrook-MD)

NTSA USS "William C. Lawe" 2716. PFC in 6d. (Holbrook-MD)

NFPS USS "Porrest Sherman" DD 200 miles east of the Azores 2716. PFC
and photo of ship in 19d for ms. 30w. (Holbrook-MD)

NJGD USS "Fearless" minesweeper 2716. PFC in 9d for ms. (Holbrook-MD)

NIKS USS "Tunny" nuclear sub 2716. PFC in 13d. 1w1? (Holbrook-MD)

NLNB USS "Dominant" minesweeper 2716. PFC in 22d. 45w. (Chabak-CO)

USS "Grayling" Nuke attack sub 2716. PFC in 13 d. 50w. (Chabak-CO)

NJGD USS "Fearless" minesweeper 2716. PFC in 15d. 25w. (Chabak-CO)

NPOI USS "Thomas Jefferson" Polaris Missile Sub 2716. PFC in 8d. QTH

Cape Canaveral FL. 100w. (Chabak-CO)

NRLP USS "Richard L. Page" Guided Missile Frigate 2716. PFC in 8d for

ms. 30w. (Holbrook-MD)

NHKW USCGC "Confidence" 2809. PFC in 13d. 500w. (Chabak-CO)

JNDR "Kazatama Maru" tanker 4181. PFC & color calendar in 4m for IRC

750w. (Holbrook-MD)

DDKQ "Tegelesand" cargo ship 4183.5. PFC & photos in 5m for IRC.

220w. (Holbrook-MD)

GMIR RFA "Sir Lancelot" Army troop ferry 6275a. F/d ltr in 93d for

1 IRC. 1.6kw (Holbrook-MD) Address: B.F.P.O. Ships London, England

SXSU "Appolonios" freighter 8360. F/d ltr 8m for IRC. 600w (Holbrook)

GRUU "British Progress" Supertanker off Dakar 22237.5. F/d ltr in 4m

for IRC. 1kw. (Holbrook-MD)

AIRCRAFT: CG#1351 BH3F Helicopter 5690. PFC 13d for ms 150w (Holbrook)

CG#1480 HC130B Cargo/Rescue Acft 5690. PFC 13d for ms 150w (Holbrook)

CG#1340 HC130B 5696. PFC in 6d for ms. 400w. (Holbrook-MD)

CG#7249 V16 Albatross acft 5696. F/d ltr via USCGAS Opa Locka FL in

7d for ms. 90w. (Holbrook-MD)

Enthusiastic & prolific SPEEDX Ute reporter Bill Trubee informs me

that he has the following ITU publications in which he would be happy to

look up any info for fellow utes if they enclose a SASE with their re-

quests: Fixed Stations; Coast Stations; Ship Stations; Maritime Mobile

Service Call Signs; Call Signs Other Than Mobile Service. Bill's address

is: William Trubee KH6DXJ Box 1323 Kealakekua, HI 96750. Tnx, Bill!

COUNTRY _____ FREQ _____ CALL _____ STN NAME _____

CITY _____ LANGUAGE(S) _____ TYPE OF B/C _____

TIME _____ MODE _____ REMARKS _____

QUALITY _____ DATE _____ REPORTER & STATE _____

Above is a sample of the utility logging report form. If you do not

use the forms, please be sure to include all the info indicated so that

your loggings will be easily understood & of the most use to your fellow

Ute DXers. Be sure your last name is at the end of each logging.

QSL REPORTS



Editor: Bill Cleveland
2441 Fairview Drive
Visalia, Calif. 93277

Verified Countries - 144

Deadline: 15th of month

Here it is, the 15th of April already; and with 375 reports from 68 reporters (a new record) I'd better get started. Thanks to all, and especially to the fifteen first time reporters to this column.

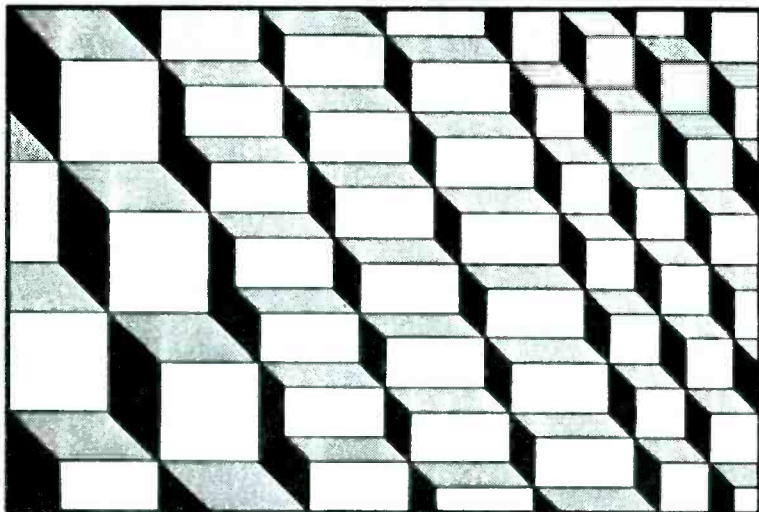
Though I hate to mention it, BOD member SNYDER scores again! In fact, I don't think he's come down to earth yet. Take a long look at the Africa section, and right after Liberia, whadda ya see? And that is one that I have not seen in SPEEDX so long as I have been a member. Yup, Doug, you get the brass ring this month without any doubt. Enough small talk--on to the loggings; remember, unless indicated to the contrary, reports can be assumed to have been made in English.

Europe

- ALBANIA:** R. Peking Relay, 7120, date/fqy "Festival Rejoicings" cd in 20d air (FLEMING NY)
R. Tirana, 49m, f/d cd of man holding flag, 60d sfc, no rp (LUNSTRUM FL) NFLD)
- AUSTRIA:** ORF, 11970, date/fqy cd w/pix of mansion and grounds, 30d air for 1 IRC (BOYD)
- BELGIUM:** ORU, 6080, map cd + pennant in 47d air for 2 IRCs (LEISTNER CA)
- BULGARIA:** R. Sofia, 2700, f/d cd "Pamporovo--In the Rhodopes", cd no. 4, in 65d, no rp (BOWEN NS), same cd in 120d, no rp (FLEMING NY), "Nessebar" cd, 2nd in series of 6, f/d in 75d air for 1 IRC (ROMANI MI)
- CZECHOSLOVAKIA:** R. Prague, 5930, f/d "Zvikov Castle" cd in 41d air for 1 IRC (FOWLER ONT) same in 45d, no rp (LOVERTI OH), f/d "Konopiste Chateau" cd in 69d air, no rp (HINDS TR) cd of man and woman in native costume, 47d air, no rp (LUNSTRUM FL); 2345, f/d cd with scene of grazing sheep, 25d air, no rp (HINDS TR), f/d "Lipno Dam" cd in 65d air, no rp (FLEMING NY); 2540, f/d "Grad Castle" cd in 47d air, no rp (VOGEL PA), "Zvikov Castle" cd in 30d air, no rp (SMITH FL); 15415, "30th Anniversary of Slovak National Uprising" cd in 30d air for 2 IRCs (NUMATA JAPAN)
- FINLAND:** R. Finland, 15110, f/d "Spring in Finland" cd in 16d air, no rp (MAHONEY IN), "Winter in Finland" cd in 39d for 1 IRC (TRAVIS VA)
- FRANCE:** R. France International, 15300, f/d cd "La Place de la Concorde et la Seine" in 19d air, no rp (BRYANT IL)
- GERMANY (Democratic Republic):** RBI, 7260, f/d RBI DX Club cd in 80d air, no rp (HINDS TR) 9230, f/d "Venieremos" cd in 76d air for 1 IRC (ROMANI MI)
- GERMANY (Federal Republic):** Deutsche Welle, no fqy, f/d logo cd in 9 mo air, no rp and JJ rpt (MAKISHIMA JAPAN)
VOA, 3980, f/d "Capitol" cd in 7d sfc (ZIMAROWSKI MA)
- GREAT BRITAIN:** VOA, 7325, f/d "Capitol" cd in 6d sfc (SMITH FL)
- GREECE:** EPT, 6120, f/d mimeo form ltr in 30d air for 1 IRC (MAHONEY IN); 7215, f/d plain white cd in 17d air for 2 IRCs (ZIMAROWSKI MA); 2520, f/d form ltr in 29d air for 1 IRC (HARDESTER CA), same in 24d for 1 IRC (BARON PA), cd in 25d, no rp (SPARKS CA); 2760, f/d black on white cd in 20d air (same as previous EIRT cd), no rp (LEGGE VA) FL)
VOA, 7195, f/d "Capitol" cd in 8d sfc (BUTTERFIELD MA); 7270, same cd in 6d sfc (SMITH)
- HOLLAND:** R. Nederland, 9215, f/d Madagascar antenna cd, 30d air, no rp (BOYD NFLD); 11730, f/d EDXC cd in 11d air for 1 IRC (FOWLER ONT), same in 12d, no rp (HINDS TR), same in 210d sfc (rcvd from EDXC) for 2 IRCs (FLEMING NY), f/d black/white block cd (see next page) in 6 wks air, no rp (DOLYAK FL); 11740, same block cd in 54d air, ne rp (MAKISHIMA JAPAN), f/d Station Building cd in 13d air for 1 IRC (ISHIZAKI JAPAN); 15415 black/white block cd in 90d air, no rp (BROOKER MI); 17810, EDXC cd in 12d air for no rp (SMITH FL)
- HUNGARY:** R. Budapest, 6000, f/d cd w/sketch of building in 32d air, no rp (LUNSTRUM FL), f/d cd "Traditional costumes of Bužak" in 75d air, no rp (LOVERTI OH), cd w/blue pix of castle, in 84d for 1 IRC (TRAVIS VA); 6110, same cd in 69d sfc, no rp (ARNESON MO); 7220, f/d "purple cd w/drawing of building" 20d air, no rp + pennant (SMITH FL)
- ITALY:** RAI, 9575, f/d "Rachele sacaccia gli idoli" cd in 124d sfc, no rp (SMITH FL)
- LUXEMBOURG:** R. Luxembourg, 6090, f/d coat of arms and antenna cd, 73d sfc for 1 IRC (SANN NJ)
- MALTA:** Deutsche Welle Relay, 6100, circle cd in 90d sfc, no rp (RADTKE CA)
- MONACO:** TWR, 7105, "Monaco" cd + pennant in 6 wks for 1 IRC (VOCKEROTH PA); 9525, f/d b/w cd of building in 22d for 1 IRC + pennant (BOYD NFLD); no fqy, antenna cd in 18d, no rp (BEAUDOIN CT)

Conscience is the voice that tells us what others should do.

Thanks
to
Dave
Peters



- NORWAY: R. Norway, 9590, f/d "Winter in Norway" cd in 17d air, no rp (BOYD NFLD); 11860, same in 14d air, no rp (MAKISHIMA JAPAN)
- PORTUGAL: R. Portugal, 6025, f/d "Belem Tower" cd in 17d air for 3 IRCs (SOMERS CA), same in 19d for no rp (ARNESON MO), same in 25d for ?IRCs and MS (PETERS KY) You paying off their national debt, Dave? bc ONT)
- ROMANIA: R. Bucharest, 5990, f/d "map and buildings" cd in 34d air, no rp (BAUMGARTNER 9530, "Romanian Athenaeum" cd in 90d air, no rp (RADTKE CA); 9690, f/d multi-colored cd in 120d sfc, no rp (VOGEL PA); 15250, f/d "Mihail Kogalniceanu Square" cd in 70d air for no rp (BOWEN MS)
- SICILY: RAI, 6060, f/d w/site "Il Settecento Italiano" painting cd in 153d for no rp (BARON PA) This in spite of Mahoney's cd in Feb. stating that 6060 was not Sicily! bc
- SPAIN: RNE, 6065, f/d color cd of antennas, 48d air, ?rp (PETERS KY); 11880, same cd in 57d air, no rp (SMITH FL), date/fqy cd "Centro Emisor de Ondas Cortas de Noblejas" cd in 52d sfc, no rp (SMITH FL)
- SWEDEN: R. Sweden, 15305, f/d blue/yellow map cd in 31d air, no rp (RICHMOND CT), same in 62d air, no rp (MAHONEY IN)
- SWITZERLAND: SBC, 6045, f/d cd "Collegiate Church, St. Gall" in 105d air, no rp (HINDS TR) 6135, same cd in 64d sfc (THOMPSON NM), f/d cd "Old Bridge near Intragna" in 72d sfc, no rp (VOGEL PA); 15305, same cd in 14d air for 1 IRC (ISHIZAKI JAPAN), f/d "Swiss National Tourist Office" cd in 3 mo (MAKISHIMA JAPAN)
- USSR:
- Byelorussian SSR: R. Moscow, 7100 (Orsha), cd (no desc.) in 43d (BEAUDOIN CT)
- Latvian SSR: R. Riga, 5935, f/d colored cd, 90d air, no rp (IEGGE VA)
- Lithuanian SSR: R. Vilnius, 9685, f/d cd, brown/black tree drawing, 140d sfc, no rp (VOGEL PA), f/d flower cd in 96d sfc, no rp (CREWS FL), same + pennant in 120d for 2 IRC (JERNAKOFF NY)
- RSFSR (European): R. Moscow, 7100, 7215 (Zhigulevsk), 7230 (Moscow), 7350, 7360, 7380 (Moscow), 7400 (Moscow), 9270 (Michurinsk), 9800 (Armavir), 11700, 11860 (Gorky), 12050 (Tula), 15230 (Voronezh), 17265 (Tula), f/d cds in 21-121d; "Grand Kremlin Palace" (SMITH FL), "Moscow Bldgs" (VOCKEROTH PA)(SMITH FL), "Sputnik Monument" (LUNSTRUM FL), "Moscow State University" (PIMBLETT ALB)(FLEMING NY)(SMITH FL), "Lenin Central Stadium" (SMITH FL), "View of Kremlin" (HINDS TR), "Flags of the Republics" (SMITH FL), "Tower" cd (MILLER WA), 2 cds, no desc (BEAUDOIN CT), 7 cds, no desc (IEGGE VA)
- R. Peace and Progress, 11855, time/fqy/meter band green cd w/logo, 66d air (MAHONEY IN); 11900, same in 88d air (ROMANI MI)
- Ukrainian SSR: R. Kiev, 7150, f/d red/blue triangles/circles cd in 38d air for 1 IRC (FOWLER ONT); 7205, same cd in 58d, no rp (ROMANI MI), f/d cd of boy & girl in native costume, 61d air, no rp (SMITH FL); 7360, f/d red/blue/yellow circles cd in 60d air, no rp (SMITH FL); 9280, date/time triangle/circle cd in 45d air, 1 IRC (ROJEWSKI WA)
- R. Moscow, 7110 (Ivano-Frankovsk), f/d "Lenin Central Stadium" cd in 21d (PIMBLETT ALB); 7300 (Lvov), no desc in 43d (BEAUDOIN CT); 15450 (Simpheropol), "View of the Kremlin" cd in 26d (SMITH FL); no fqy (Simpheropol), "Rocket Monument" cd in 21d (PIMBLETT ALB)
- VATICAN CITY STATE: Vatican R., 5995 f/d garden cd, 17d air, no rp (HINDS TR); 7235, same in 15d, no rp (HINDS TR); 9605, f/d "Stato Citta del Vaticano" cd in 40d, no rp (FLEMING NY); 15120, garden cd in 23d, no rp (BREEDE MS); 17900, same in 20, no rp (SMITH FL), same, no time, no rp (LUNSTRUM FL)

Africa

ASCENSION ISLAND: BBC Atlantic Relay, 9580, Thames cd in 21d air (ROJEWSKI WA); 15260, same in 28d air for 2 IRCs (SOMERS CA)
 VOA, 15195, "Capitol" cd in 6d sfc (ZIMAROWSKI MA)

CHAD: Rdif. Nationale Tchadienne, 4904, f/d oversize cd w/photo inserts of Chad, in 22d for MS, FF rpt (WHITE FL)

CONGO (People's Republic): Voix de la Revolution, Pointe-Noire, 4843, f/d FF form ltr (same as for Brazzaville, w/Pointe-Noire inserted), 5 wks for 3 IRCs (SPARKS CA); 15190, same form ltr (see SPEEDX, Apr 76) in 23d for 2 IRCs, EE/FF rpt (ZIMAROWSKI MA), same in 29d for 2 IRCs, FF rpt (TRAUSCHOLD WI), same in 32d for 3 IRCs, EE/FF rpt (Gilfer form) (BAUMGARTNER ONT)

EGYPT: R. Cairo, 9475, f/d engraving, 1st Serial-4th scene in 41d air, no rp (MAHONEY IN), f/d "Pyramids" cd in 76d air, no rp (LOVERTI OH); 9805, f/d cd, 1st serial-5th scene in 45d air for 1 IRC (SANN NJ), f/d town scene in 30d air, no rp (BREEDEN MS)

ETHIOPIA: ETLF, 11830, f/d blue/white cd in 60d air + pennant for 1 IRC (FLEMING NY), same in 80d for 2 IRCs (BAUMGARTNER ONT)

GHANA: R. Ghana, 11850, usual f/d cd in 136d air, no rp (RICHMOND CT)

GUINEA (Republic): Rdif. Nationale, 7125, f/d form ltr in 45d air for FF rpt and no rp (but reply said 2 IRCs required for reply) (LEGGE VA); 7252, same (see below) in 79d for FF/EE rpt and 3 IRCs (wrong fqy credited) (BIXBY CA)

LIBERIA: ELWA, 11950, f/d native drummer cd in 13 no for 1 IRC (TRAUSCHOLD WI), same in 10 no (BEAUDOIN CT), same in 370d for 1 IRC (LEGGE VA), same in 135 days, no rp (BARON PA)
 VOA, 7280, "Capitol" cd in 10d (SOMERS CA); 9740, same in 8d (SMITH FL); 11860, same in 6d (SMITH FL)

LIBYAN ARAB REPUBLIC: Peoples' Revolution Broadcasting, 6185, no data personal ltr w/definite confirmation statement, in 31d air for 2 IRCs, EE rpt v/s Bilgusem Benzeid (SNYDER CA)

MALAGASY (Republic): R. Nederland Relay, 11730, f/d EDXC cd in 20d air, no rp (FLEMING NY), same in 12d (BUTTERFIELD MA), same in 16d for 1 IRC (THOMPSON NM), b/w "Your Life" cd (see illustration on previous page) in 30d (NEBRON CA), same in 86d for 1 IRC (ROMANI); 11740, same in 23d for 3 IRCs (YAJKO PA); 15185, EDXC cd in 30d (BEAUDOIN CT)

MALAWI: MBC, 7130, f/d green form ltr + sked in 35d air for MS (PITTS OR)

MOROCCO: Rdif. TV Marocaine, 2615, no data white/blue AA/FF/EE cd w/sked in 90d air for MS and EE/FF rpt (BIXBY CA)

NIGERIA: NBC (Iagos) 7275, f/d Eko Bridge cd in 73d, no rp (HINDS TR)

VOIX DE LA RÉVOLUTION
RADIODIFFUSION NATIONALE

B.P. 617 CONAKRY
 République de Guinée

14-2-76

Vérification du Rapport
 d'écoute

Mr Mack Bixby
1627 Highland Drive
Newport Beach
California U.S.A
 92660

Cher auditeur

C'est avec plaisir que nous avons reçu votre rapport d'écoute de nos émissions du 16.12.1971 entre 23.21 et 23.29 heures G.M.T., sur la fréquence de 7125 KHz soit 41 m.

Notre programme confirme l'exactitude de votre rapport d'écoute qui nous a par ailleurs beaucoup intéressé.

Pour toute prochaine correspondance, veuillez envoyer deux coupons-ponses

Nous vous donnons ci-dessous le programme actuel de nos émissions.

KHz - m	G.M.T.																								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1403-214																									
4910-60																									
7125-41																									
9650-31																									
15310-19																									
<u>817-49</u>																									
<u>11965-23</u>																									

En espérant vous relire sous peu, nous vous prions d'accepter nos vifs remerciements et nos salutations amicales.

La Direction du Bureau d'Etudes

RHODESIA: RBC, 3396, f/d antelope cd in 16d air for 2 IRCs, v/s E. McKenzie (BUTTERFIELD MA), same in 18d for 2 IRCs (THOMPSON NM), same in 20d for 2 IRCs (ZIMAROWSKI MA), same in 21d for 2 IRCs (PITTS OR), same in 30d for 2 IRCs (RADTKE CA)

RWANDA: Deutsche Welle Relay, 17765, f/d blue/yellow map cd in 60d air, no rp (SMITH FL), same in 96d and 132d (SMITH FL)

SENEGAL: Rdif. du Senegal, 4890, f/d b/w picture cd of mining operations in 29d air for 3 IRCs (CREWS FL)

SOMALIA: R. Mogadishu, 9585, f/d "provisional" form ltr (see April 76 SPEEDX) in 29d air for MS (PITTS OR)

SOUTH AFRICA: RSA, 5980, 9585, 11900, 21535, f/d cds in 14-53d for 0-3 IRCs; "Crowned Crane" (PETERS KY)(THOMPSON NM)(SMITH FL)(MILLER CA)(FOWLER ONT)(FLEMING NY)(SOMERS CA)(MAYER IL), "Sable Antelope" (FLEMING NY), "Springbok" (MILLER WA)(ROMANI MI)(FLEMING), "Buck sporting emblem of the Republic"-SADXC spl QSL (GION MA)

SABC, 3997, f/d "Industries" cd + pennant in 10 wks for 1 IRC (VOCKEROTH PA); 9680, same cd in 20d air, no rp (BREEDEN MS); 9810, same cd + pennant in 19d, 2 IRCs (ROMANI MI)

SWAZILAND: TWR, 9590, f/d folder cd w/native and antenna in 22d air for 1 IRC, v/s Jetetta Gain (HARDESTER CA), same in 32d for 3 IRCs (CREWS FL)

TOGO: Rdif. du Togo, 5047, f/d map cd in 20d air for FF rpt, no rp (LEGGE VA)

TUNISIA: Rdif. TV Tunisienne, 7275, f/d "Tunisie de Toujours" cd in 20d air w/no rp (LEGGE VA)

UPPER VOLTA: Rdif. TV Voltaique, 4815, date/time mimeo ltr in FF, 466d air for 2 IRCs and FF rpt (CLEVELAND CA)

Asia

CHINA (People's Republic): R. Peking, 7315, date/fqy "Wild geese and lotus blossoms" cd in 17d air (MILLER CA)

CHINA (Taiwan): BSF Taiwan (time and fqy), 5000, date/fqy folder cd showing telecommunications labs, 26d air, no rp, v/s Jeng Fu Chen (ROUTENBURG ONT)

VOFC, 11825, f/d cd "Fine glazed twin jars" in 55d air for 3 IRCs (ROJEWski WA)

INDIA: AIR, 9525, f/d cd w/painting of boar hunt, 149d air for 2 IRCs (BAUMGARTNER ONT); 11620, f/d cd "Victoria Memorial, Calcutta", 157d air, no rp (BOWEN NS); 15080, f/d cd w/painting "Lady with a mirror", 169d sfc for 1 IRC (MAYER IL)

INDONESIA: RRI Ambon, 4845, f/d ltr in II, 46d air for 1 IRC, EE rpt, v/s A.W. Rakimin (THOMPSON NM)

RRI Gorontalo, 4900, date/fqy II ltr of confirmation, some stn data, in 24d air for II rpt and MS (used), v/s Abdul Fattah Siemen (CLEVELAND CA)

RRI Banda Aceh, 4955, no data ltr of conf. + picture of local mosque and Indo stamps, 29d air for MS and II rpt, v/s Bachtiar, BA (CLEVELAND CA)

IRAN: V. of Iran, 9022, f/d cd w/pix of Abadan TV, 25d air for ?IRCs, v/s M. Fracyon (MAKISHIMA JAPAN), same in 47d for 2 IRCs (RICHMOND CT)

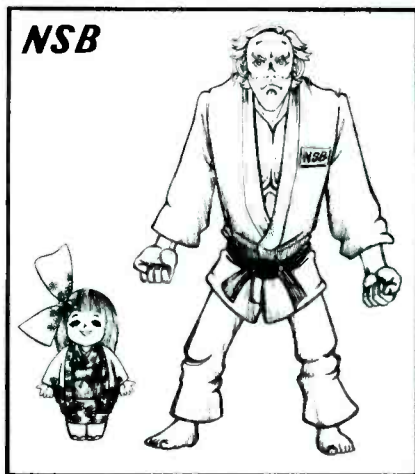
IRAQ: R. Baghdad, 9745, f/d cd, map and suspension bridge, 39d air for 2 IRCs (RICHMOND CT), same in 115d for no rp (BOWEN NS), same in 150d for no rp (SMITH FL), map cd w/"Golden Shrines of the Two Imams" cd in 199d sfc for 1 IRC (BROOKS CT)

JAPAN: NSB, f/d "Tokyo Forum" cd + multi-colored cd in 4 wks air for 1 IRC (MILLER WA) Sorry, 9595 bc

NHK, 5990, date/fqy "Lucky pair of Hakata Dolls" cd in 12d air, no rp (MILLER CA); 9585, date/fqy "Yakko" cd in 14d, no rp (SMITH FL); 11705, "Kamakura" cd in 15d (VOGEL PA); 15105 "Yakko" cd in 8d (HARDING CA), same in 12d (THOMPSON NM), Samurai doll cut-out cd in 17d (SOMERS CA); 15195, cd w/evening scene in Tokyo, 15d (MILLER CA); 15270, "Kamakura" cd in 180d air (VOGEL PA); 15300, "Hakata Dolls" cd in 18d (BRYANT IL), same in 20d (STUART OK)

KOREA (Republic): R. Korea, 9640/15335, f/d "Maitrea Buddha" cd in 210d + pennant, no rp (ROJEWski WA)

KUWAIT: R. Kuwait, 11940, f/d folder cd w/info on Kuwait and R. Kuwait, 43d air for 1 IRC (BOWEN NS)



NSB
 TNX FR UR INTEREST
 TOKYO FORUM
 "GET-TOGETHER"

日本短波放送

Nihon Short-wave Broadcasting, Akasaka, Tokyo 107, Japan

PAKISTAN: R. Pakistan, 7295, time/fqy "Shalimar Gardens" cd in 41d air, no rp (HINDS TR); 17830, same cd in 43d sfc for 1 IRC (ISHIZAKI JAPAN)

PHILIPPINES: FEBC, 6120, f/d native village scene cd in 128d air for 3 IRCs (MILLER CA); 11855, time/fqy cd of people standing around antenna tower, 104d air for 3 IRCs, (MILLER WA); 19440, f/d farm road scene cd in 51d air for 3 IRCs (SOMERS CA), photo of FEBC staff cd in 107d air for 2 IRCs (YAJKO PA), f/d antenna cd in 26d air for 2 IRCs (BENJAMIN CA); 17810, village painting cd in 120d for 2 IRCs (SMITH MA), v/s for all rpts Joan Ross

VOA, 9445, time/fqy "Capitol" cd in 8d, v/s Lauri Fitz (THOMPSON NM); 15290, "Kennedy Center" cd in 7d, v/s Debbie Showalter (SMITH MA)

VOP, 9580, f/d pink or white cds (3) w/coat of arms in 45-65d air, no rp (MILLER CA), same in 2½ mo for 2 IRCs (SMITH MA)

SARAWAK: R. Malaysia Sarawak, 4950, "Studio Building" cd in 60d for 3 IRCs (SMITH MA)

SAUDI ARABIA: BSKSA, 6130, f/d green/black emblem cd in 74d registered mail for 1 IRC, v/s Sadek Fayonmie (WICKETT MD)

SYRIA: R. Damascus, 9655, f/d globe cd + pennant in 637d air for 2 IRCs, v/s Khder Omran (MAYER IL), same in 20 mo registered sea mail for MS (not used) (LOBDELL MA)

TURKEY: V. of Turkey, 9515, f/d "Keloglan" cd in 24d air for 1 IRC (GEBHARDT IA), f/d "Nasreddin Hodja" cd in 30d air, no rp (LOVERTI OH), same in 39d + pennant, no rp (BRYANT IL), same in 40d for 2 IRCs (GION MA)

USSR:

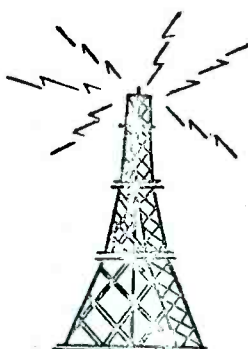
Armenian SSR: R. Yerevan, 15130, f/d small, plain white cd in 231d registered air, no rp (HARDING CA)

RSFSR (Asiatic): 7260, 9540, 15140, 15180, 21-31d; no cd, but ltr in answer to query (MILLER CA), photo of Moscow from river (SOMERS CA), "Moscow State University" (PIMBLETT ALB), "Kremlin" (PIMBLETT ALB), "Rocket Monument" (PIMBLETT ALB)

Tadzhik SSR: R. Moscow, 7135 (Dushanbe), "Lenin Central Stadium" cd in 45d (LEGGE VA); 7300 (Dushanbe), f/d "Mockba Paano" cd in 30d air (LEGGE VA). First cd for SA svc; second for Afr. svc.

Turkmen SSR: R. Moscow, 15185 (Ashkhabad), f/d "Moscow State University" cd in 30d for Indonesian Svc (LEGGE VA)

Wanted to include this last month but didn't have room. Thanks to Brian Baumgartner and Doug Snyder.



PEOPLE'S DEMOCRATIC
REPUBLIC OF YEMEN
BROADCASTING SERVICE

FRFQ. 7190 KHZ POWER 100 K.W

DEAR Sir: Douglas Snyder

Your Reception Report of the 25th October 1975 has been checked and found correct / incorrect.

Remarks I am very much obliged for your kind reception report. I would be pleasure to receive my letters or R.report.

wishes and SALAM. (Abdulaziz Huidi)
Signature

73'S

Oceania

AUSTRALIA: ABC Brisbane, 4920, f/d map cd, 17d air, no rp (ROUTENBURG ONT)

ABC Perth, 6140, f/d map cd in 17d air, no rp (MAYER IL); 9610, same cd in 19d for 2 IRC (PITTS OR), same in 20d, no rp (BREEDEN MS), same in 27d (PETERS KY)

R. Australia, 5995, 7235, 9580, 9770, 11710(?)bc, 11810, 15160, 15320, 15355, 17295, f/d cds, v/s Peter Homfray, in 18-21d for MS or 3 IRCs, 32-86d for 1 IRC, 60-240d for no rp; "Grevillea" (BROOKER MI) (MILLER CA) (YAJKO PA) (SOMERS CA) (ROMANI MI); "Kookaburra" (BROOKER MI) (HINDS TR) (MILLER CA) (SMITH FL); "San Michele Sheep Station" (BROOKER MI) (HINDS TR) (THOMPSON NM); "Grass Tree" (NEBRON CA) (YAJKO PA) (MILLER CA); "Stanley Chasm" (ROMANI MI); "Dawn Muster" (MAKISHIMA JAPAN) - I'll bite again; what's a "Dawn Muster" Jim? "Kangaroo" (PETERS KY); "Tropical Fish" (VOCKEROTH PA); "Net-bush flower" (TRAVIS VA); photo of 2 small birds (PETERS KY); "Flower" + pennant (LUNSTRUM FL)

NEW ZEALAND: R. New Zealand, 9585, f/d "fishing" cd + statement that 2 IRCs now required 51d air (MILLER WA), same in 40d for 2 IRCs (VAN FOSSEN OH), "red trolley" cd in 52d for 1 IRC (BAUMGARTNER ONT); 11780, "soccer" cd in 34d, 2 IRC (MILLER CA), f/d "view of

NEW ZEALAND (continued): Wellington" cd in 38d (MILLER CA); 15130, f/d "fishing" cd in 90d air, no rp (ROUTENBURG ONT)

PAPUA NEW GUINEA: R. Eastern Highlands, 2410, no data ltr, says xmsn hrs reduced to 5/day in 377d (46 after f/up) for 3 IRCs (BODELL OR) v/s A.R. Nase

SOLOMON ISLANDS: SIBS, 5020, f/d b/w map cd in 24d air for 3 IRCs (CREWS FL), same in 76d air for MS (WHITE FL)



South America

ARGENTINA: LOL (time and fqy), 15000, f/d cd, registered air in 3½ mo for 2 IRCs (JERNAKOFF NY)
 RAE, 9690, fqy only blue/white design cd in 66-367d for 0-2 IRCs (PETERS KY)(HINDS TR) (LOVERTI OH)(GEBHARDT IA)(MILLER WA)(SANN NJ)(THOMPSON NM)(ROMANI MI)(SMITH FL)

BOLIVIA: La Cruz del Sur, 4875, fqy only cd + pennant in 20d air for 1 IRC, SS rpt (LEGGE VA)

BRAZIL: R. Nac. de Brasilia, 11780, f/d light green map cd in 9d air for 1 IRC w/request for regular rpts (BUTTERFIELD MA), f/d view cd in 16d air, no rp (FLEMING NY)

CHILE: R. Universidad de Concepción, 6135, white no data cd w/"QSL, no. 171", seal, and tnx for rpt (and request for more), 16d air for MS, EE rpt (WHITE FL)

COLOMBIA: Em. Nuevo Mundo, 4255, f/d "Caracol" cd in 20d air for no rp and SS rpt, (LEGGE VA)
 R. Colossal, 4945, f/d form ltr + large pennant in 20d air for SS rpt and no rp, (LEGGE VA)
 R. Nacional, 4955, date/fqy cd w/photo of Bogota skyline, 56d air for 2 IRCs, SS rpt (on Gilfer form), v/s Alberto Upegua (BAUMGARTNER ONT)
 LV de la Selva, 6170, date/time pc in 30d air, no rp, SS rpt (LEGGE VA)

ECUADOR: R. Zaracay, 3390, f/d ltr + pennant in 20d air, no rp, SS rpt (LEGGE VA), same in 25d, v/s Elssy Cun C., Secretaria (SPARKS CA)
 R. Casa de la Cultura, 4930, f/d b/w cd in 30d air for SS rpt and no rp (LEGGE VA)
 HCJB, 6095, 9560, 9745, 11745, 15115, 15300, 17730, f/d cds, v/s Sam Rowley or Herbert P. Jacobson, 36d for 2 IRCs, 18-53d for no rp; "#4 Woodcarving in Ecuador" (FLEMING NY); "Bread doll" (BRYANT IL)(BREEDEN MS)(FLEMING NY)(FOWLER ONT); "Oil in Ecuador-Drilling" (MILLER CA); "Oil in Ecuador-Storage Tanks" (MILLER CA); "Ecuadorian Echoes Series F" (SMITH FL); "Ecuadorian Echoes Series G" (SMITH FL)(THOMPSON NM); "Ecuadorian Echoes Series H" (SMITH FL)(THOMPSON NM); "Album Series #6--TV Transmitter" (YAJKO PA); "Album Series #7--TV Version of Old Fashioned Melodies" (YAJKO PA)

GUYANA (French): France Regions 3 (FR3), 3385, general veri statement cd in 23d air for FF rpt, 2 IRCs (see next page) (BUTTERFIELD MA)

GUYANA (Republic): CBS (Action R.), 3290, f/d form ltr in 40d air for 2 IRCs (PITTS OR) (GBC (R. Demarara), 5950, date/fqy ltr in 40d air for 1 IRC, v/s M. Semple for Denis Leandro (HINDS TR). Is this fqy correct, Ronald? WRTH lists 5980. bc

VENEZUELA: R. Trujillo, 3295, ltr in EE, 10 wks air, for MS, v/s Pedro J. Torres, Dir. (SPARKS CA)
 R. Maracaibo, 4860, f/d ltr in 20d air, SS rpt, no rp (LEGGE VA)
 R. Univeroso, 4880, date/fqy map cd in 35d for 2 IRCs, SS rpt (TRAUTSCHOLD WI), same in 20d for 1 IRC (JERNAKOFF NY)
 R. Juventud, 4900, f/d network cd in 20d air for 1 IRC, SS rpt (JERNAKOFF NY)
 R. Carora, 4910, no fqy ltr in 20d air for SS rpt, no rp (LEGGE VA)
 R. Maracaibo, 4920, (how about this fqy, Mike--don't you mean 4860?) f/d ltr, verifying



France Régions
Radio - Télévision
CAYENNE
Guyane

Nous vous remercions de votre
fidélité et vous confirmons que
nous émettons à partir de Cayen-
ne sur :

O. M. 1070 Khz (Puissance 4 kw)

O. C. 3385 Khz

et 6170 Khz (Puissance 4 kw)

4472 Khz (Puissance 1 kw)

Notre adresse : F. R. 3 - B. P. 336
97305 CAYENNE

Département Français de Guyane

VENEZUELA (continued): 740 kHz, 58d air for MS, SS rpt (HARDESTER CA)
R. Rumbos, 4970, f/d cd "Una 'Peria Magarietena' en su concha" in 259d sfc, no rp, EE
rpt on SPEEDX trilingual form (SMITH FL); 9660, f/d cd "Calle Real de Sabana Grande--
Vista Nocturna" in 82d sfc, no rp, EE rpt (SMITH FL)
R. Continente, 5030, SS veri ltr in 20d air for MS, SS rpt (ROUTENBURG ONT)
R. Barquisimeto, 9510, date/fqy cd of stn logo, 59d air, no rp, SS rpt (HINDS TR)

North America

BELIZE: R. Belize, 3300, f/d map cd in 14d sfc for MS (WHITE FL), same in 21d air for
1 IRC (ROUTENBURG ONT), same in 23d air for 2 IRCs (BAUMGARTNER ONT)
CANADA: CBC Northern Svc, 5960, f/d bear cd in 59d (THOMPSON NM); 9625, same in 120d
(OSBORNE FL); 11720, same in 15d sfc, no rp (LUNSTRUM FL)
CFRX Toronto, 6070, f/d multi-colored cd in 41d, no rp (PETERS KY)
CHU (time/fqy), 14670, cd w/pix of Sir Sanford Fleming in 10d (LUNSTRUM FL)
Deutsche Welle Relay, 6085, f/d multi-colored cd w/logo, 83d, no rp (BARON PA)
RCI, 6135, f/d HAP cd in 30d (VOCKEROTH PA)
COSTA RICA: TIPC, 9645, f/d mike cd in 16d for 1 IRC (BEAUDOIN CT), same in 22d, no rp
(BREEDEN MS), same in 30d, no rp (ROUTENBURG ONT)
CUBA: R. Habana, 11815, f/d yellow circle cd in 70d air, 2 IRCs (FOWLER ONT)
DOMINICAN REPUBLIC: R. Mil, 4930, f/d ltr w/wrong fqy in 16d, SS rpt, 1 IRC (JERNAKOFF)
GUATEMALA: LV de Atilan, 2390, no data ltr w/stn info, 87d air for MS and SS rpt
(MAHONEY IN)
R. Cultural, 3300, f/d "Quetzal" cd in 16d for 2 IRCs (MILLER WA), same in 23d for 2 IRC
(BAUMGARTNER ONT), same in 30d for 2 IRCs (SMITH MA)
R. Maya de Barillas, 3325, f/d green/black Indian cd, 71d, MS, SS rpt (WICKETT MD)
HAITI: R. 4VEH, 9770, f/d stn cd in 87d, 1 IRC (OSBORNE FL); 11835, same cd in 27d, no
rp (LUNSTRUM FL)
HONDURAS: LV Evangelica, 4820, date only map cd in 17d for 3 IRCs (LOVERTI OH), same in
25d for 1 IRC (STUART OK), same in 30d for 3 IRCs (RADTKE CA), same in 6 mo for 2 IRCs
(SMITH MA)
R. Progreso, 4920, f/d form ltr in 11d air for no rp, SS rpt (LEGGE VA), same in 30d
for MS (HARDESTER CA)
R. Swan, 6000 (v. 6185), f/d ltr in 30d, no rp, SS rpt (LEGGE VA)
MARTINIQUE: France Region 3 (FR3), 3315, f/d beach scene cd in 43d for MS (WHITE FL),
same in 45d for 1 IRC (LEGGE VA), same in 80d for 2 IRCs, FF rpt (LEISTNER CA)
MEXICO: R. Mexico, 15385, f/d form ltr in 176d (ROJEWski WA), in 219d (ROMANI MI)
NETHERLANDS ANTILLES: R. Nederland, 6165, lots of cds from (MILLER CA)(ROJEWski WA)
(SMITH TN)(TESTA MA)(SOMERS CA)(ZIMAROWSKI MA)(STUART OK)(NEBRON CA)
TWR, 6190/11925, cds from (SOMERS CA)(BOYD NFLD)(MILLER WA)(GEBHARDT IA)
USA: another mess of cds from: (SOMERS CA)(VOCKEROTH PA)(BOWEN NS)(PITTS OR)(BOYD NFLD)
Whew! Made it. Language last month was Norwegian, courtesy of Bard Gjertsen, and
said "Keep off the grass" -- Chris Hansen had the correct translation but thought the
language was Danish. A previous winner, Chris requested
his prize, if any, go to the #2 winner. No #2, so HAP
gets it all this month. Thanks, Chris. Try the above. Lots of reports from this
country this month--and that's no clue, hi! 73's, 5/11 4/16/76

Tips and Topics

The Feature Section of SPEEDX

EDITOR: ARTHUR S. GETZEL - 70-29 KISSENA BLVD - FLUSHING - NY 11367

WHERE AM I?

by Mark Scannell

There are thousands of DXers in the listening world who ask the same question. Where am I? You tune across the band of a low priced receiver and hear stations. Their frequencies are as unknown as the size of the universe. You say, "Well it's about 6MHz." There are over 40 frequencies between 6MHz and 6.2MHz alone! You don't have direct frequency readout. Here's a method I have used to solve this problem.

First your receiver should have both a bandspread and a log scale to make this method work. The A.M., or other bands of known frequency, can be substituted for the log scale but you must have a bandspread. As an example, my receiver has a scale who's center is zero and there are numbers that go one to five on either side of the zero. The log scale method can be used on any receiver, just keep to the main idea.

Pick a log scale reading roughly in the center of the band. Tune the bandspread around until a station that is on almost 24 hours a day is heard. This is your key station. Whenever you tune to that band you align the band with the key to the same bandspread setting. An example of this is the CBC Northern Service on 9625kHz in the center of the 31 meter band. After aligning the band to the key station, begin moving the bandspread to either side of the key setting. When a station is noted with a known frequency, by schedule, by SPEEDX or by other listings, note the bandspread reading. Keep noting frequencies until every one in the band is filled.

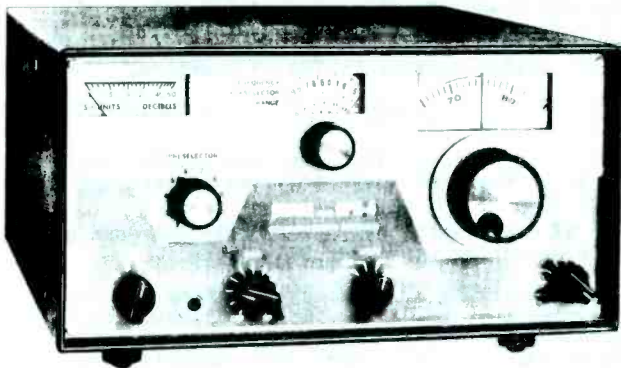
Make a frequency listing with the bandspread readings and log settings. For some serious fun, test your listings. Set the receiver on a band and adjust the log and bandspread for another band. Switch up to that band. Are you on the station on that channel? Nine out of ten times you're within a hair, or just a slight turn of the bandspread away.

OK, so you got that far. What about one of the bands that is more spread out. (60 meters, maybe) This poses a problem. Two or three log settings must be used across the band. Here's another idea. A frequency calibrator could be used. This device puts a frequency marker at, say, 100kHz so the idea of a key station isn't needed. I feel it's better to spend a few bucks for a calibrator than \$100 to \$200 more for a receiver that has direct readout. There are advantages and disadvantages.

Now after finding these frequencies of some of the larger stations, you have a complete listing. What do you do with it? Take out your trusty SPEEDX and pick out a new station, in the calibrated band, of course. Set your log and bandspread to it's frequency. Perfecto! I got Radio Uganda on 9730kHz with such ease that I thought I was stupid not hearing it before. You can get any of those unknown stations and be right up with the bigshots with their \$300 or \$400 receivers. You can be in there too getting those exotic and new stations.

Got a question? I will be glad to answer them. Write to me: Mark Scannell, 20 Ridgewood Drive, Norwood, MA 02062. A SASE would be appreciated. Also any reactions from people new and old at the hobby are welcome.

Concerning Chris Hansen's two part article on BINDING FOR DX MAGAZINES, Robert H. French writes that "many brands of the cloth and plastic tapes on the market have a tendency to 'bleed' adhesive out from under the edges of the tape after a few years." He recommends 3-ring binders for loose page bulletins because it is less damaging.



DRAKE SPR-4

MODIFICATIONS

Technical material by
GRANT MANNING
JOHN KOLB
Edited by
RALPH SANSENERINO
Layout & typing by
DON JOHNSON

2.4kHz SSB FILTER on AM

This modification allows use of the SSB filter w/o the BFO to give better selectivity. Instead of the present 4.8kHz selectivity on AM, you will have the option of either 4.8kHz or 2.4kHz. While the conversion is fairly simple, it is strongly urged that those not familiar with electronics stay OUT of the set! Too much heat on a circuit board or a splash of solder in the wrong place can cause a great deal of trouble.

If you attempt to modify your SPR-4, take your time, read all instructions before starting AND understand them. Schematic diagrams follow the text. You can also get out your Technical Manual for a clearer look at the various circuit boards. After opening up your set, take a few minutes to locate all connections and tie points mentioned in this article before proceeding. On the average, it will take about 3 hours to complete.

You will need about three feet of shielded cable (such as RG-174), the same amount of hook-up wire (#22 stranded), and a DPDT switch (Radio Shack #275-1546). The switch can be mounted on the front panel for convenience, or if the idea of drilling a hole in the front panel bothers you, it can be placed on the rear panel in one of the existing holes. To repeat, take your time, do a good job, and cut all wires to just the length required. Follow the step-by-step instructions carefully and refer to the pictorials as needed.

1. Remove top & bottom cases.
2. Remove all knobs, pointers and phone jack nut.
3. Drill a 1/4" hole 2 1/4" from bottom of front panel, 1/2" from the left side. Use a small drill for a pilot hole, then follow with larger drills until 1/4" is reached.
4. Remove front panel.
5. Remove wire from AM DETECTOR BOARD to BFO BOARD. That's a white/blue wire.
6. Remove white/green wire from AM DETECTOR BOARD to BFO BOARD.
7. Connect wire (hook-up) from terminal on AM DETECTOR BOARD to terminal 5 on switch. Route this and other wires through 1" square hole beneath volume control. This will be in parallel with 2 white/brown existing wires. (This is if you are mounting switch on front panel. Otherwise route wires to the rear panel by the most direct path).
8. Cut etch on AM DETECTOR BOARD and connect wire (hook-up) from etch to terminal 4 on switch. (see figure 36)
9. Connect wire (hook-up) from terminal on BFO BOARD to terminal 6 on switch. (See figure 35)
10. Connect center conductor of shielded cable to terminal on AM DETECTOR BOARD (parallel to 2 wires already there). Other end goes to terminal 2 on the switch.
11. Connect new shielded cable from BFO BOARD to terminal 3 on switch. Ground shield at BFO BOARD at this time.
12. Run shielded wire from terminal 1 on switch to etch on AM DETECTOR BOARD. Cut etch. (See figure 36)
13. Tie (solder) all shields together at switch.
14. Install switch on sub-panel (If that is where you put it)
15. Re-assemble receiver. If you choose to make the following changes also, delay step #15 until they are completed.

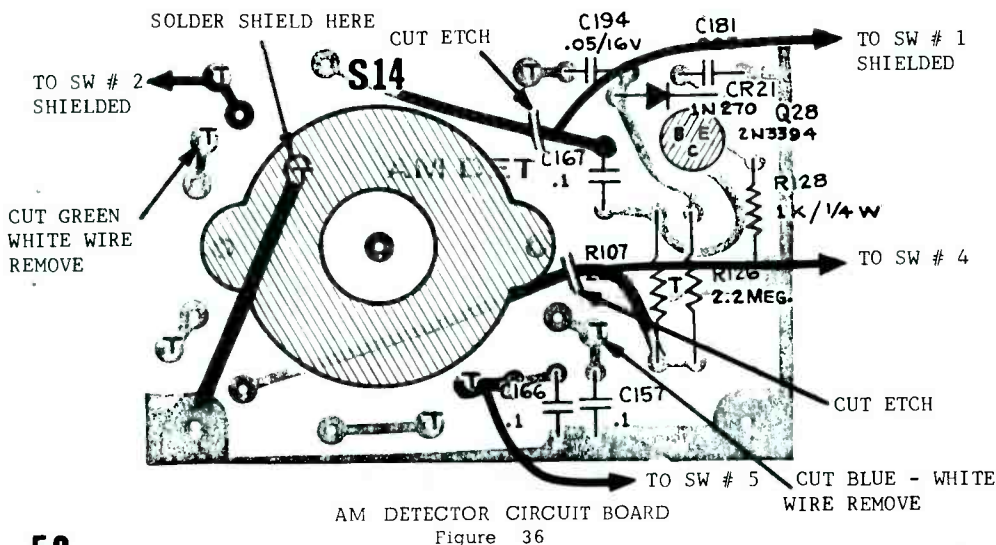
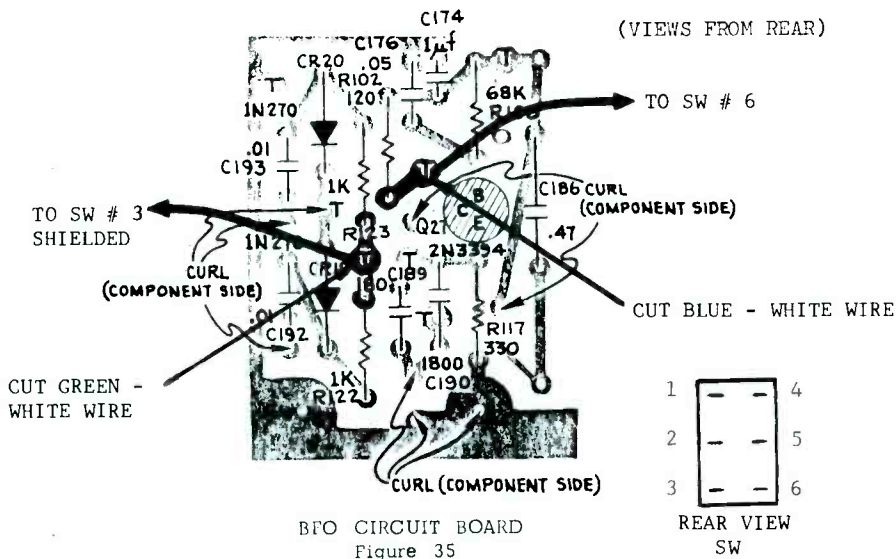
Basically, after steps 1-14 are done, what is done is, the BFO is killed, the AM detector is energized, and audio is switched from SSB out to AM DETECTOR out. Before, SW-14 did all the switching. Note: Tuning will be 2.4 kHz high in the LSB mode and 2.4 low in the USB mode. When using CW, LSB, USB or calibrating, the new BFO switch must be in the ON position.

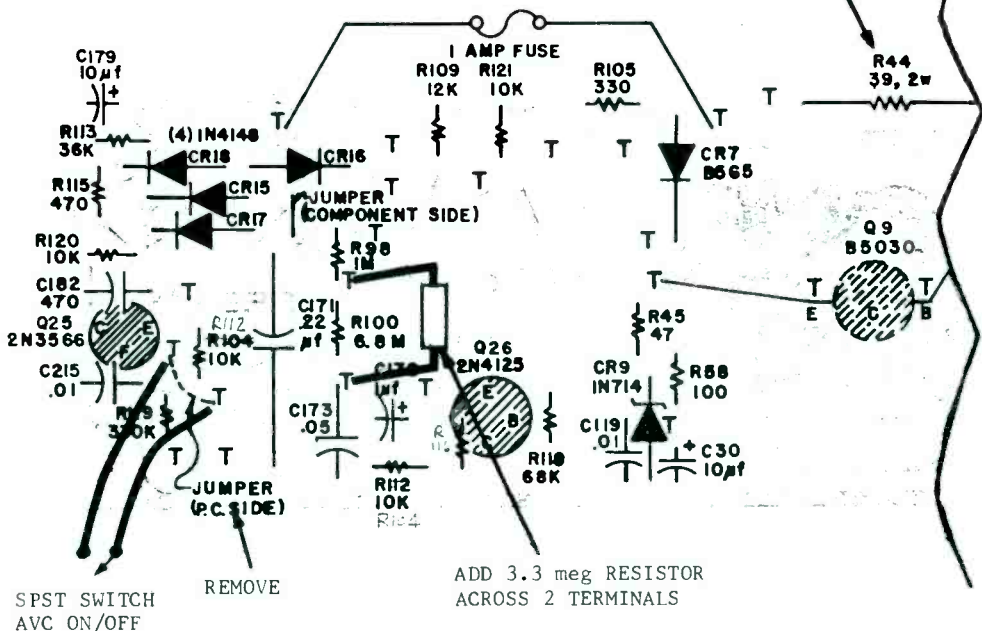
ADDITIONAL MODIFICATIONS. AVC ON/OFF may be added with a switch(SPST) 1/2" to the right of new BFO switch. (See figure 38)

AVC choking may be reduced by adding a 3.3 resistor across R-100(6.8m). This also loosens up the S-meter, which may need to be adjusted as per page 23 of service manual. (See figure 38)

Change R-44(39 ohm 2 watt) to 47 ohm 2 watt. This will help cut down on pilot light burn out, which is a problem with most SPR-4's.

TIP: Some SPR-4's have the improper range & preselector setting decals. For example, the 3.0 X-tal should read D-2, not C-7. 4.5 X-tal should be E-2 not D-5. Always use the highest range switch setting with the lowest pre-selector setting for all ranges below 10MHz. Much better sensitivity.



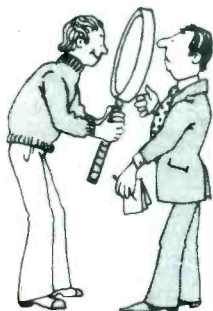


By making the above modifications, your SPR-4 will be even better! Another point to keep in mind is the speaker you use. The Drake SPR-4 has a 4 ohm output. Speakers with 4 ohms are hard to find! The speaker Drake sells to go with the SPR-4 is not all that great, so experiment with different types. Two 8 ohm speakers in series may be an improvement. For headphones, a deliberate miss-match seems to help. 500-600 ohm headphones may well improve your listening pleasure (like Lafayette #40 R 59127).

Another helpful aid with the SPR-4 is to use an outboard amplifier through the AUDIO OUT on the back panel. Use a mono (or one side of a stereo) amplifier hooked to the AUDIO OUT, then to your speaker. This will allow you to adjust the bass and treble to suit your taste, and help eliminate the rather 'tinny' audio sound characteristic of Drake receivers.

If you do not feel competent to modify your own SPR-4, A SPEEDXER has offered to perform the operation for you. Write to Ralph Sanserino, 8422 Crane Circle Huntington Beach, CA 92646 for more info. The cost is about \$25 plus postage.

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LET'S HAVE A LOOK AT YOU! SINCE DX'ERS WITH TWO HEADS MUST HAVE TWO SUBSCRIPTIONS TO SPEEDX, WE WOULD LIKE TO HAVE A PICTURE OF YOU, TO CHECK THIS OUT. SEND IN A RECENT PIC OF YOU AND YOUR SHACK.

PREFERABLY BLACK/WHITE WITH GOOD CONTRAST. PICs WILL BE RETURNED UPON REQUEST. SEND PICs TO CLUB HQs AND WE WILL PRINT THEM AS SPACE PERMITS.

PLEASE PUT YOUR NAME ON THE BACK OF THE PIC ALONG WITH THE TYPE OF RECEIVER YOU ARE USING.

AN OPEN LETTER TO THE DX WORLD
CONCERNING SIGNAL EVALUATION STANDARDS

by Andris Straumanis

For years, DXers have been using various rating systems to indicate to themselves, other DXers, and radio stations, how well a signal is heard. These systems all have one thing in common. Be it SINPO, SIO, or whatever, they all lack clearcut standards for evaluating signals. You may well ask, "What is meant by standards?" As in many things we do, when evaluating a radio signal a standard is something to which we refer to obtain the same results every time. Signal evaluation without standards is mere guesswork. Because there are no clearcut standards, DXers are forced to form their own. Different DXers, plus different standards, equals a mild state of confusion. This is a problem. And problems demand solutions.

Why aren't our standards clearcut? Well, just look at some of the words we use to evaluate SIGNAL STRENGTH: excellent, good, fair, poor, and barely audible. The words are not precise terms, rather they are all abstract! According to several dictionaries consulted, excellent means "unusually good". Now that really makes sense. How do you define good? What about fair and poor? The old cliché of "you can ask a hundred people and you'll get a hundred different answers" holds true. Some DXers invariably try to sidestep the problem of semantics by using an S-meter. But then not everyone has an S-meter, and those that do find that the meter groups all incoming signals on a given frequency into one signal. This means that the DXer can only determine the strength of the combined signals, not a particular signal (unless he's fortunate enough to find a clear channel!). Either way the end result is a guess.

Now take a look at INTERFERENCE. What is interference? It could mean anything that prohibits clear reception of a signal. But doesn't NOISE, which is a separate category in the SINPO rating system (as in PROPAGATION DISTURBANCE or FADING), also prohibit clear reception? Interesting. The words used to evaluate interference are also interesting: nil, slight, moderate, severe, and extreme. How much interference must a DXer bear before severe becomes extreme? If nil means zero, how much is moderate compared to extreme? When evaluating interference, are we considering the amount or the strength? Both? Neither? All we are completely sure of is that slight to extreme interference is more than nil. So jot down something in your reception report, just as long as it looks good.

Obviously, more questions have been raised than answered. We could go on and on raising questions about our rating system. One question should stand above all: Where are the answers? We all have them, locked away in our minds. Let's get together soon, through our DX club and DX radio programmes, and come up with some simple and efficient evaluating standards on which we can all agree.

If you have any comments about the above open letter, or if you have ideas on how evaluating standards can be improved, please write to me. My address is: Andris Straumanis, Rural Route 1, Box 213, Murphysboro, Illinois 62966.

VOICE OF AMERICA CRITICIZED

WASHINGTON (AP) - Criticism is not new to the Voice of America. The government's overseas radio network has often been described by Moscow as a Western propaganda tool whose newscasts stretch the truth.

Today the criticism strikes much closer to home. Serious questions are being raised on Capitol Hill about VOA's broadcasts and whether it may be too tightly under the control of the State Department.

While the Soviets accuse VOA of airing anti-Soviet views, some congressional critics claim that within recent years VOA has adopted too soft a tone and has shied away from reporting on Soviet dissidents and other touchy topics.

The rising criticism, however, is only part of VOA's problems. The network is beset with problems involving its basic organization and aims, funding, high level administration disputes and poor broadcast reception because of aging transmitters.

The basic problem, according to NBC's John Chancellor, a former chief of VOA, is that the Voice "has been placed at the intersection of journalism and diplomacy"--attempting to report the news fully while at the same time actively presenting US foreign police...

On Capitol Hill some congressional critics have said that censorship - responding to administration pressure - violates a provision of VOA's charter requiring that its news coverage be "accurate, objective and comprehensive."

One congressional critic noted that "through the years, I have listened to BBC (the British Broadcasting Corp.) and the VOA and discussed them with a great many people in our embassies, as well as other embassies. Almost universally there has been a feeling that BBC is a more credible and accepted news reporting service."

The congressional committee overseeing VOA's budget is undecided about proposals to remove the station from the US Information Agency, as part of a plan to reorganize American overseas information and cultural programs.

VOA's current chief, Kenneth Giddens, conceded that the station tends to be "a little more restrained" in its reporting than the BBC. But he adds that "I really believe...that the Voice of America puts out as objective, balanced, unbiased a news product as you'll find anywhere on the face of the earth. I'm very proud of it."

However well the Voice may compare with other Western overseas broadcasting, VOA officials estimate that it has a regular Soviet audience numbering "in the millions," providing them an alternative to government controlled media. "To some degree it's fashionable, it's vogue to listen to VOA," one official commented, noting that VOA has been carrying more popular music and feature programs aimed to appeal to Soviet young people.....

An examination of VOA program logs and transcripts covering Russian language broadcasting for a week-long period in mid-December tended to substantiate the officials' contention that VOA news reporting is balanced and not slanted toward anti-Soviet views.....

Even the best programming, however, is of little value unless it can reach VOA's listeners clearly. VOA uses a network of 41 transmitters in the United States and 72 transmitters abroad. But according to one official, many of VOA's transmitters are "very antiquated." As a result, he said, "you try to listen to the Voice of America and you hardly hear it." VOA's chief Kenneth Giddens said he believes the network should have 30 to 40 new transmitters. Giddens also pointed out that while VOA broadcasts about 770 hours a week in 35 languages, Radio Moscow's output amounts to some 1,950 hours a week in 84 languages. "I don't think that we are doing as adequate job for this nation," he said.

However, the prospects now appear to be dim for any significant expansion of VOA or upgrading of its transmitter facilities.

(This article appeared in the Athol Daily News, Friday March 12, 1976 and was submitted by Leonard Davidonis. The comments expressed in this article do not necessarily represent the opinion of SPEEDX or any of its editorial personnel. Ed.)

NEW PRODUCTS FOR SWL/HAM/CB

by R. G. "Bill" Paschke

For those that never heard of these fine products, and those that have, I'd like to tell you of some new products available Mail Order direct from Part-ridge Electronics, Box 9, Broadstirs, Kent, England.

They are the new Joystick V.P.A. and Joymatch line of A.T.U.'s. The new Joystick Variable Frequency Antenna (V.P.A.) is a Gold and Black color and is greatly reduced in weight, only 1½ lbs. It is low impedance with a high radiation resistance in a compact form. 7' 6" and ideal for the apartment dweller where lack of space is the old problem. There is also an INDOOR model available for those that are unable to mount an antenna outdoors.

For the CB/SWL/HAM DXer there is available the new Joymatch III A.T.U. for

use with the Joystick V.P.A. or other antennas. This tunes from 500kHz to 30MHz, plus. Also available exclusively for the SWL/HAM only is the Joymatch IIIA A.T.U. for improved performance with continuous coverage from 1.6 - 32MHz.

For the SWL and Transmitting Amateur there is the new TRIPLE PURPOSE "L" MATCH 6 BAND A.T.U. This is quite the A.T.U. It covers from 1.2 - 32MHz and for HAMS it handles 300W P.E.P. I have tested this A.T.U., and, with the added Padder Adapter, it is a great improvement in A.T.U.s for SWLing.

Another item in the "budget line" is the JOYMATCH AERIAL BAND SWITCH. It is also compact and very simple to operate. It is suitable for ALL types of radio receivers and tunes the MARINE BAND, TRAWLER BAND, AMATEUR BANDS, and has COMPLETE SHORTWAVE COVERAGE.

Now here is an item also for the Cber. This is the new JOYMATCH "ARTIFICIAL EARTH" system. This compact unit is Bandswitched for providing a very efficient "indoor" artificial ground. It has proved itself superior to very elaborate "soggy" outdoor grounding systems tested by others, and myself personally. It greatly improves radiation and reception on all modes of a radio. It comprises of a switchbox with a 33' plug in radial which is laid around the perimeter/walls of your shack and a lead from the switchbox to the receiver/transmitter. I have tested this "Artificial Earth" system and have had great results on both CB and SWL radios. For the folks who have a grounding problem, this is the answer.

For further information, brochures and prices, write me direct on these fine products. My address is: Bill Paschke, 855 Elm Street, Beloit, WI 53511. I'll be glad to explain anything that you might wonder about pertaining to these items. For the budget minded, try the "Budget Line". They are economical and well worth the price.

NOTE: I am not a salesman. I do not work for pay on this. I believe in GOOD products for the betterment of SWL/HAM/CBers so I bring these to light for those that do not know, and those interested in progressing in the wonderful world of SWL/HAM, and better and more efficient "grounding" for the CB family also.

(This article appeared in the September 1975 issue of "SN". Ed.)

ALBANIAN RADIO

At present, in Albania there are five (5) radio stations. The total power of the radio stations is 650 times greater than that of the pre-war period. This has enabled Albania to make itself heard throughout the world.

The main broadcasting station is Radio Tirana, broadcasting in 17 languages, whose programs are made up of spoken programs: reports, interviews, news bulletins and commentaries on internal and international affairs, as well as musical broadcasts.

An important part in the radio programs is occupied by music: operas, classical and contemporary music from almost all the countries of the world. Special importance has been laid on the promotion of Albanian folk music and the works of Albanian composers over the radio.

(This information has been submitted by Ronnie Sann. Ed.)

SPECIAL NOTICE: Contributors to this section should be aware that articles taken from other publications must have the permission of the publisher, author or copyright holder of that material, and full credit must be given to them. Send written permission to use the material along with the article. Thanks!

I am typing this column on a normal April day in New York. Normal if you consider 90° to be spring weather! New York City is unique, to say the least. Have a pleasant May and good DXing. I remain,

Arthur
(Did you notice the article on preselectors available for a SASE from John Kolb? Read TECHNICAL TOPICS then)

MAY CONTRIBUTORS LIST

4 ARNESEN, LARRY	MD...NG-57	1 MAHONEY, MIKE	IN..AR-88DM
2 BARON, BRUCE	PA.....R4C	2 MAKISHIMA, JIM.	JAPAN.ICF-5800
5 BAUMGARTNER, BRIAN	ONT...DX-160	1 MAYER, ALAN	IL...SPR-4
5 BEAUDOIN, BOB	CT....R-388	1 MKLEJEWSKI, STAN	MN...D-7000Y
2 BENJAMIN, LORENZO	CA...SX-190	3 MILLER, AL	OH..HRO-500
1 BENSON, GLENN	VA...ASTRO-4	4 MILLER, BILL	CA...YORK-21
1 BERNSTEIN, ROGER	GA...DX-160	4 MILLER, CARL.	WA.....ROSS
2 BERGER, JEFF	TX...DX-160	3 NAYLOR, SPENCE	CA...HQ-180
4 BIXBY, MARK	CA...HA-225	5 NEBRON, LARRY	CA...SX-190
4 BODELI, BOB	OR....SPR-4	3 NUMATA, N.	JAPAN...SSR-1
1 BOWEN, PETE	N.S...EDY-750	1 OLIVER, WAYNE	NH...SX-190
*1 BORERS, DAVE	VT...HA-600	1 OLSSON, ERIC	CT....SPR-4
*2 BOYD, DODNEY	NFLD....S-38E	3 OSBORNE, BILL	FL....AR-3
*6 BREEDEN, BILL	MS.....R4B	3 PERRY, COIN	QUE....G2000
3 BRICK, GEORGE	MA....NG-88	1 PETERS, DAVID	KY....SPR-4
4 BROOKER, JIM	MI....SPR-4	1 PIERCE, BOB	MA...SAT-210
3 BROOKS, ALAN	CT...DX-150A	4 PIMBLETT, NIGEL	AIB..DX-150A
3 BROOKWELL, LARRY	CA...XCR-30	3 PITTS, STEVE.	OR....SW-4A
*1 BRYANT, STEVE	IL...DX-160	1 PUCKETT, LARRY	MS.....R4B
3 BUTTERFIELD, BOB	MA...HQ-100	3 RADTKE, CARL	CA...SPR-4
2 CALIRI, GREG.	MA.....SW4	4 RICHMOND, KYLE	CT...A-2508
1 CARVIN, NEIL	MA....S-107	1 REDMAN, RON	IL...P-1660
2 CHABAK, MIKE	CO...DX-150B	1 RODRIQUEZ, EDUARDO	PR..D-7000Y
4 CHEVEJAND, BILL	CA...SPR-4	3 ROJEWSKI, DON.	WA...DX-160
3 COHEN, JON	NJ...SW-717	1 ROMANI, DAVID	MI....SPR-4
1 COLEMAN, BILL	NC...DX-150A	*3 ROUTENBURG, PAUL	ONT...R-2311
1 COOK, MELVIN	MN....SPR-4	3 SANN, RON.	NJ...DX-160
2 CREWS, DEMPSEY	FL...DX-150B	2 SCANNELL, MARK	MA...SB-313
2 DAVIDONIS, LEO.	MA..HA-600A	1 SCHWARTZ, RICHARD	DE...DX-190
*2 DENNISSEN, J.	HOLLAND...G-1000	1 SCOTT, LLOYD	FL...R-390
3 DOLYAK, EVELYN	FL...R-530	3 SILVA, CARLOS	CA...D-7000
3 EARHART, KEN	PA...SX-190	4 SMITH, TOM	FL..HA-600A
3 ESTES, "SNAPPER"	MS...S-53A	1 SMITH, WADE	MA...SX-190
1 FAMULARO, RALPH	NJ...XCR-30	2 SMITH, WOODY	TN...TRANS-0
1 FLEMING, KEVIN	NY...DX-150A	2 SNYDER, "DXOUG"	CA...SPR-4
2 FLEMING, LEON	TX...SX-62A	4 SOMERS, JACK	CA...SPR-4
*1 FLORIMONT, ED.	NJ....SSR1	2 SPARKS, BILL	CA...R4B
*2 FOWLER, GARY	ONT...D-7000	3 STEPHENSON, NORMAN	CA...SPR-4
*1 FREED, STEWART	ONT...DX-150B	1 STRAUMANIS, ANDRIS	IL...SW-717
2 FRENCH, BOB	MD....S-108	3 STUART, JERRY	OK...SX-190
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