

9-8-76

SPEEDX

the dx radio magazine for active shortwave listeners



Clayton & Helen Howard

Our cover this month features the popular hosts of DX PARTY LINE from Radio Station HCJB in Quito, Ecuador. From high in the Andes Mountains Clayton and Helen bring the world three DX programs each week. Heard in the USA on local Monday's, Wed's and Sat's at 0230 GMT, the programs feature a wide variety of interesting information for SWL's and DX'ers including our own SPEEDX REPORT during the Saturday broadcast. Tune in.

The SPEEDX BOD recently awarded Clayton Howard the first HONORARY MEMBERSHIP to our club for his continuing efforts in promoting the shortwave listening hobby worldwide.

SEPTEMBER 1976

Vol. VI No. IX



KEYNOTES



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

CONGRATULATIONS TO 5 NEW FULL MEMBERS

YASUO ISHIZAKI
TOKYO, JAPAN

BENTON OMSLEY
VENTURA, CA

NARCISO VILLARO
PUERTO RICO

JEFF WORMAN
MILWAUKEE, WI

MORTON KASDAY
PALISADES PARK, NJ

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

MASATO TSUKAMOTO
TOKYO, JAPAN

STEVE NORDENTOFF
ENGLEWOOD, CO

JIM BUSSMAN
TINTON FALLS, NJ

FREDERICK WILLIS
PHILADELPHIA, PA

DAN CARRIER
EGGIN, FL

JAMES WONG
SAN FRANCISCO, CA

KARL WESSENDORF
BAYAMON, PR.

MICHAEL ZYDIK
YONKERS, NY

GARY LULL
BENTON HARBOR, MI

PETE GRENIER
AZUSA, CA

BARBARA GOLDSTEIN
HIGHLAND PARK, IL

ALEX DANILESCU
CANADA

ROBERT KUKAN
IRVINGTON, NJ

JOSEPH HENRY
PORT ARTHUR, TX

KATSUMI TANNO
SWITZERLAND

RICHARD LAVHEAD
STOCKTON, CA

MARILU BISKUP
WATSONVILLE, CA

TONY ORR
PETERSON, CO

DAVID MEZA
CHULA VISTA, CA

NORMAN SORENSEN
HOUSTON, TX

GARY BADER
EL MONTE, CA

JOHN GARNER
ONT, CANADA

GARY ATKINS
LOUISVILLE, KY

DAVID HAMMER
COLUMBUS, OH

AARON GADOUS
ST ALBANS, VT

WAYNE CZERNICKI
MAN, CANADA

ROBERT LORDO
FORT MILL, SC

WILLIAM ARNOLD
STOCKTON, CA

GARY BIASINI
ALB., CANADA

BERN BRADLEY
WACO, TX

PATRICK BUCKINGHAM
BROWNSVILLE, TX

We are glad that you have joined SPEEDX, I am sure you too will be glad to be a part of an active group of DXers. All we ask is that you join in the support of the club, by sharing your thoughts and loggings with others.

SPEEDX AWARDS PROGRAM

Several members have written, and have requested that they be allowed to use OSLs as proof of reception in making application for the various listeners awards, since they have kept no record of program contents over the years. We are going to bend the rules a little to accommodate these folks. QSLs count towards stations heard, but only for those stations heard prior to 15 September, 1976. Any request for Listeners Awards based on reception of a particular station on or after 15 September, 1976 must contain the information set forth in the SPEEDX AWARDS PROGRAM leaflet.

When submitting applications for Country Accumulation Awards, please list the countries you have verified; not just the number in any particular area or the world as a whole.

Please include a SASE for awards that require a seal in which you already have in your possession, the initial award.

The response to the Awards Program has been wonderful! Keep it up.

SOUTHERN CALIFORNIA AREA DXERS

SCADS will hold their next get-together on October 16 & 17 at the Bel Air Motor Hotel, 140 W. 1st St. Tustin, CA 92680. Time: 9.00 AM Saturday thru 6:00 PM Sunday. Those of you that have not attended a SCADS meeting, should make an attempt to do so. A "mini" convention. For particulars, contact Don Johnson, P.O. Box E, Elsinore, CA 92330.

BY-FREQUENCY LIST

A new listing of all frequencies reported to SPEEDX in July, August and September is available from Doug Snyder, 3130 Woodmont Drive San Jose, CA 95118 for a number 10 (long) SASE with 35¢ postage. About a 30 page list of loggings from 2300 kHz to 21750 kHz. Do not order from Headquarters.

VOA QSL PROCEDURE

The following letter was received by SPEEDX from United States Senator of Colorado. A DXERS friend; Senator Gary Hart.

As you know, the Voice of America recently announced that it had "simplified its station identification procedure." To the dismay of DXers worldwide, this action also meant that the VOA would no longer QSL by transmitter site, shutting off a traditional avenue for QSLing countries like Liberia, Greece, Morocco, Sri Lanka and Philippines.

I was as unhappy as you with this so-called simplification, and made further inquiries to VOA. Persistence, similar to convincing Lucy Larina to QSL the right site, finally paid off, and the station changed its mind.

Briefly, the brand new and revised VOA QSL policy is this: 1) Sites will continue to be listed on VOA's frequency schedule, which will be sent to anyone requesting a copy; 2) After ascertaining the correct site from the frequency schedule, include the site on your QSL report along with a request for verification of the site. With luck, this new procedure will enable beginning and advanced DXers alike to verify sites from Greenville to Monrovia and Rhodes, while still saving the VOA's tight budget.

Please tell your members to get in touch with me if they experience any problems with the new procedure.

With best wishes for all gud DX.


Gary Hart
U.S.S.

Editors note; as you know WWV has discontinued the Geophysical Alert broadcast, and may drop the 14 minute past the hour broadcast. Suggest that you write to Senator Hart as well as your congressman.

ITEMS FOR SALE

Collins R-390A in good condition w/recent alignment & new tubes. \$500.00
Barlow Wadley XCR-30 highly modified. Excellent condition. \$250.00 Contact Grant Manning, 12536 Arabian Way, Poway, CA 92064 or phone 714-566-1264.

DX-160 near new w/ceramic filters, ECB antenna coil added. Very sharp set. \$140.00. Hardly used. Contact Don Johnson, P.O. Box E, Elsinore, CA 92330.

Hammarlund HQ-129X, fair condition; needs alignment & tune-up \$100.00
Hammarlund HQ-150, fair condition; needs alignment & tune-up \$100.00
Barlow Wadley XCR-30 w/manual & batteries. Only problem; it reads from 2.5 to 5.0 kHz off. \$250.00
Heatkit GD-125 Q-Multiplier w/manual; never used, built in 1970. \$10.00
Contact Mike Hardester, P.O. Box 8174, San Diego, CA 92102. Will consider lower offers. Will ship via UPS post paid.

Keynotes continued on Technical Topics page.



DX MONTAGE

RESEARCH/COMPILATION/REDACTION by A. W. BROOKS

74 Massachusetts Road

Oakdale, Connecticut 06370



Member Samuel Adams...said to be one of the perpetrators of that erstwhile group of Boston Area DXers known as "The B.A.D. Guys"...has reported hearing a number of sporadic receptions of the American colonial clandestine, The Voice of the Saturday Evening Post, said to be operating in the Philadelphia area.

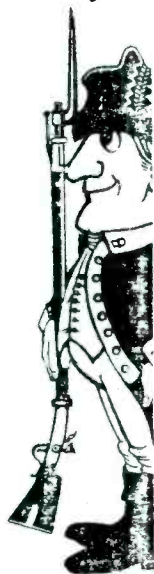
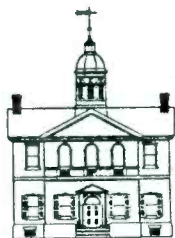
According to a broadside posted by Sam the broadcast monitored back on 8 June was most interesting. Chief among the notes on programming was the following excerpt:

"...In the Continental Congress yesterday Virginia delegate Richard Henry Lee proposed as one of three resolutions, 'That these United Colonies are, and of right ought to be, free and independent states, that they are absolved from all allegiance to the British Crown, and that all political connection between them and the State of Great Britain is, and ought to be, totally dissolved.' A committee of five...Tom Jefferson, Ben Franklin, John Adams, Robert Livingston, and Roger Sherman...was appointed to draft a declaration of independence for consideration by Congress, should the Lee resolution finally be adopted..."

Several other transmissions were discerned from that same source during the remainder of that month, but reporter Adams indicates that a program segment from the 2 July broadcast may be most significant. In the news summary the Voice noted that "...debates in the Congress yesterday and today on the adoption of the original Lee resolution were among the most momentous ever conducted by a deliberative body. The argument for immediate adoption was led by John Adams... the argument for postponing action...on the ground that the colonies were not yet sufficiently united...was led by John Dickinson. Today the resolution was adopted; and John Adams predicted that this date would be celebrated in America during the years to come. The unanimous vote recorded was made possible only by the abstention of John Dickinson and Robert Morris from voting, thus allowing the Pennsylvania delegation to vote in favor of the resolution, and by Caesar Rodney's arrival which produced a break in the tie-vote of Delaware and allowed the casting of that colony's vote for independence..."

Our Boston contributor notes that a later broadcast indicated that the New York delegation did not vote on the resolution, but approved independence a week later. Probably too busy planning some future ANARC convention to be involved with such mundane matters. However, Sam adds that the transmission heard on 5 July included: "...having adopted the resolution of independence on 2 July, the adoption of 'The Unanimous Declaration of The Thirt~~een~~ United States of America', after some amendments, followed yesterday."

Member Adams notes in closing that this clandestine station is rumored to be the handiwork of Ben Franklin, a founder of the Suburban Philadelphia DXers... SPATES...and that's the way it was...200 years ago...





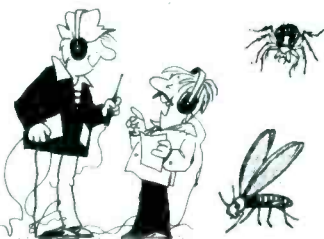
DX MONTAGE



The SOAP BOX

A DIVISION OF "DX MONTAGE"

Moderator: *Alan W. Brooks*



One member of the SPEEDX staff has been giving the commentary on club consolidation some thought. Art Getzel remarks that he has weighed the situation, looked at the options, and concluded that such an endeavor would not be a bad idea if done correctly. This is his outline: "First, the reason why there is so much repetition in SPEEDX, NASWA, and ASWLC is because the first two are off-springs of the latter...namely, ASWLC. Consolidation would only be putting back together what was originally one...Secondly, such a consolidation could save many DXers much money. Let's say that such a consolidated bulletin would cost \$14. Compare this price to the price paid by a member belonging to two or three of these respective clubs. Yes, it would be quite a saving..."

"...On the other hand, such a consolidation would be difficult to achieve. The directors and administrators of each club would not be willing to dilute their powers. I fear there would be infighting among each group for control of club policy. After all, each club is run differently. What type of consensus would such a merger create? Another problem would be the staff of each club...of course, some editors will have to liquidate their tenure. Furthermore, the finances of such a club would be enormous. Thus, the administrators, especially on the financial end, must be reliable. I would not like a BOD to appoint a treasurer who is inclined to permanent holidays in South America..."

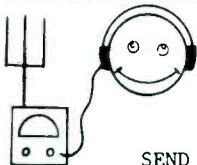
"...However, such a consolidation has more benefits than debilities. Think of the fact that each month you would have a bulletin that has everything to offer at half or a third the price. Remember! A consolidation such as this has to be thought out and planned over the course of at least a year. We don't even now how many would want such a merger. Would it hurt to find out?"

West Coast member Mike Hardestor shares these observations. "I recently attended a small informal gathering of DXers and among those present was a young man who appeared overly obsessed with country/station totals. I was, at first, somewhat impressed with his total.... However, after a while I began to understand where he was at. It was only after I had left the meeting that the full impact of the young DXers' obsession hit me and I began to realize that DXing is fostering a competition-like culture in which DXers are measured by totals and not on the basis of themselves. It would appear that his main receiver is a #RTVH and his back-up receiver is a club bulletin. However, I really can't fault him too much as our DX society has, in part, placed a strong emphasis on Heard/Verified totals...making this young DXer a product of his environment. On the surface the above may not seem too important, after all, it's only himself that's being hurt...or is it? While his credibility is suffering locally there are many DXers unaware of this and, consequently, any loggings he may report are accepted at face value. Unfortunately, there are too many other DXers who use this method. As a result, loggings may appear in various columns and...accepting the word of the reporter...we may try in vain to hear a station reported. We may hear a station on the reported frequency, at the reported time, broadcasting in the same language with, perhaps, similar programming under similar reception conditions...but when we expect to hear an ID for "Radio Nibi-Nibi"...we are treated instead to an ID for VOA, BGC, RCI...How others react to such situations I don't know...I for one get a little upset..."

"...While it's a fact that some DXers live by totals alone, there are those of us who appreciate our totals...but would much rather live with our valued credibility as a DXer and reporter. In closing, may I add this...you may one day log and verify Tristan-da-Gunha, but unless your credibility is solid the value of any QSL you get may be nothing..."

Wisconsin SPEEDXer Frank Woltman, who classifies himself as "new at SWL", has articulated his feelings on two recent points of discussion. While having his say on VOA, member Woltman expresses a thought not uncommon in the introductory days of DX. "When I listen to a foreign language for a half-hour and then hear that I am listening to VOA broadcasting in such and such a tongue....I then begin to lose interest." On another topic our contributor wonders if DXers sending reports to two or three different clubs aren't spending much of their time making out reports and not listening much to shortwave...





TECHNICAL TOPICS ? ? ? ? ?

Editor

RALPH SANSEERINO

TECHNICAL TOPICS
8422 CRANE CIRCLE
HUNTINGTON BEACH
CALIFORNIA 92646

SEND YOUR TECHNICAL QUESTIONS TO:

Thanks to all for help, info and questions, keep it coming. This month we will get right at it with a review of the Yaesu FRG-7 communications Receiver. This writer had the good fortune to tune one of these fine receivers. This receiver looks like a piece of communications gear and it also acts like it. Of the Wadley Loop System receivers, the Barlow-Wadley, the Drake SSR-1 and the Yaesu FRG-7, I consider the FRG-7 the best of the lot by far, and here is why I think that way.

The FRG-7 is well engineered and well built, quality control seems to be very good. The choice of MOSFETs and FETs for critical circuits and triple conversion give this set a big, big plus, there was no cross modulation or birdies noted by this writer. Transistors are used in the Barlow-Wadley and Drake SSR-1. Only one minor problem was noted in the FRG-7, tuning the hams in single-side band, tuning was somewhat critical, if you're a patience tuner then you will have no problem. Tuning of single-side band may be better after break in of the receiver and operator.

All in all after tuning the Barlow-Wadley, the Drake SSR-1 and the Yaesu FRG-7, the FRG-7 was the leader by far, with features like a 3 position RF attenuator, 3 position tone selector, recorder output jack, jacks for shortwave and broadcast band antennas, dial set for putting the tuning dial right on frequency, 3 types of power can be used - A.C., D.C., or internal batteries and the best feature is the price, at \$299.00 a real buy. Your editor has gone out and gotten a good deal for you, you can order the FRG-7 from me or from - Comm-Tech 13754 Victory Blvd., Van Nuys, Calif. 91408, send your order to Comm-Tech attention Jim Rafferty, please mention Ralph Sanserino and Speedx when ordering from Jim, also send along your thanks for the discount, Comm-Tech's total price is \$285.25, this price includes tax and UPS shipping in the USA, for shipping cost to Alaska, Hawaii and worldwide contact Com-Tech. If you wish a flyer on the FRG-7 contact Jim at Com-Tech. Thanks from this writer for the discount Jim.....73.....

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RADIO SCHEMATICS - A note from Don Erickson 6059 Essex St., Riverside, CA 92504 states that he has almost a complete set of schematics for radios dating from 1930 to 1975, some 100,000 part numbers are covered. A SASE with make and model number will get a response as quickly as possible. Please no kits, military surplus or CB gear. Don has Riders Radio Manuals I-XXII and Sams photofacts no.1 thru 1554. Thanks go to Don for this help.

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FS-4 Synthesizer - A note from David Peters Sr. states that he received a memo from Don Tyrrell Sales Mgr. R.L. Drake Co. which had the following to say "Our engineering dept has just advised us that the FS-4 synthesizer program release has had to be cancelled. This action is necessary due to their dissatisfaction with the performance of the final production units." The FS-4 is off for now, maybe later this year. Thanks for the info David.

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RECEIVER SPOTLIGHT: This month the Drake 2C.



Frequency range - 3 to 30 MHz using crystals, any 500 kHz range.
Selectivity - 3 bandwidths: .4, 2.4, 4.8 kHz at 6 db.
Sensitivity - not stated, but probably around .5 uv for 10 db S/N ratio.
Triple conversion, VFO tuning, SSB, CW, AM, AVC fast-slow-off switch, S-meter, solid state audio, product and AM detectors. Accessories: Q-Multiplier, 100 kHz calibrator.
Summary - This sounds like a decent receiver. I

am surprised we haven't seen more of this receiver. Built first in 1967 for hams, but adaptable for the SWL. Have seen this receiver advertised in the Ham Trader for \$170.00 - \$200.00.

REVIEW - THE KS PRESELECTOR - by ACE DXer JAMES YOUNG

A carefully tuned and aligned RF stage in any receiver has the unique ability of getting those weak signals through the mixer, IF, audio, and eventually out in the form of a QSL card from Sao Tome, for example! This same stage can reject unwanted RF images by the sharpness or 'Q' of the circuit. The higher the 'Q', the better the rejection. By adding an additional RF stage, carefully tuned, a receiver's ability is greatly improved, just as additional IF stages improve the selectivity of the same receiver. Few receivers have more than one RF stage.

It is now that a preselector (tuned RF stage) becomes very useful. New solid state devices enable extremely noise-free additions of RF stages while keeping the signal-to-noise ratio high. However, it should be noted that manmade, atmospheric and galactic noise exceeds noise generated by the receiver itself up to 30 mHz.

This author has used many highly rated communications receivers in the past 20 years or so, and, since about 1968, with some sort of home-made, or commercially built preselector. Until 1975, I exclusively used the Gilfer model A-20 with much success--at least until the fall 1975 meeting of SCADS in Tustin. Here was this small blue cabinet with a few knobs, etc. that was being used with a 51 J-3 super receiver. On finding out that it was a preselector, I used it, and to my surprise found it to be completely noise-free and to have very high gain. Recalling the A-20, I tried to make some comparisons, and kept feeling the new unit was far superior in gain, tuning sharpness, and extremely quiet. I was convinced that it was an additional item I did need. The owner informed me that this unit was a completely finished and tested prototype model. I inquired as to its price and purchased it the same day. During the next week I tested it with my antenna farm and Hammarlunds HQ-100 and 180 as well as the SX-190. Side by side with the A-20, it had (and still has) twice the gain, much sharper tuning and virtually noise-free operation. The A-20 has considerable noise, but also good gain. The greatest feature of the KS preselector is its complete lack of component generated noise.

The KS preselector has two tuning ranges, i.e., 2 - 8 mHz, and 8 - 30 mHz. It is self-contained with power supply, on-off switch, and gain control. It has an in-out switch that enables a comparison between the receiver barefoot or with the KS unit on. I believe the new units have additional switched inputs for additional antennas.

After all considerations, one must have signal coming from the antenna before it can be amplified. A crystal set in the basement hooked up to a water pipe isn't going to receive Tristan da Cunha with or without the KS preselector! My recent reception of the Cook Islands on 3265 could not have been positively ID'd without the KS preselector.

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HELP HELP HELP - This writer needs help, in the future we will be writing about calibrators, Q-multipliers, antenna tuners, preamps, preselectors, freq meters, filters, antennas, how to read receiver specs, selectivity, line filters etc., etc. What I need is input from the membership on what they want to read and learn about, I can also use some help in the line of writing about any of the above mentioned items or any others I may have missed, so if you have any info or wish to write let me know, all help will be appreciated, thank you.

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Keynotes continued.

ITEMS FOR SALE & OR TRADE

HQ-120X w/manual \$100.00...E.M. Sargent Co model 21 (80-500 KC & 500-30 MC) w/matching speaker. Best offer takes. Will trade Beckman (0-42 MZ) model 5571 Frequency Meter, for General Coverage Receiver. Contact W.E Osborne, 722 Ballard Dr, EAU Gallie, Florida 32935. Phone 305-254-3887.

Panasonic solid state 4 tract reel to reel recorder. Excellent condition

Lafayette high fidelity self powered condenser cardioid microphone, w/pop-filter & desk stand. Make an offer for either of above. Contact John D. Basta, 250 S. 8th St. Lindenhurst, NY 11757

Hallicrafters SX-140, 3.5 - 54.0 MC, 6 bands w/S meter, RF gain & antenna trim, cal reset. very good condition \$85.00. Contact Steve Nordentoft, 6150 South Jasmine St. Englewood, Colo. 80110



HAPENINGS

HANDICAPPED AID PROGRAM

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



SUPPORT WORLD DX HANDICAPPED AID CAMPAIGN

Our congratulations to Harry Van Gelder and Don Johnson for their respective nominations as ANARC'S, Men of the Year.

The auction to benefit HAP netted us \$400.00. Thanks to all those who donated and purchased items, and thanks to Don Johnson, Stewart Mac Kenzie, Grant Manning and all the others who made it such a success.

There is more good news on the financial front: Todd Graves reports net stamp sales of some \$20.00 in recent weeks and that he has been receiving 100-200 stamps a week from his customers. We have recently received two batches of stamps here at HAP headquarters, one from a member of MDXC, and another from the woman mentioned in last month's column. Both these donations are in addition to those reported then.

There may soon be some good news on the membership front too, some time ago, we started a project in which we tried to contact voluntary health care agencies with a view toward asking them to print information about HAP and the hobby in their membership bulletins. We are now in the process of extending the project to the states of New York and New Jersey, under the direction of Chris Hansen, with the help of Wayne A Davis, HAP-95, of Trenton, NJ. We are trying to arrange for insertion of an article about HAP in the column for the elderly, which appears in the News-paper for which Wayne works part time.

In Virginia, our East coast equipment manager, John Jackmann, has said that he hopes to get started with the project in that State within the next four weeks.

Here in Illinois, we are concentrating on contacting hospitals in the Chicago area. This part of our project will be directed by Larry Cotariu, one of my able assistants, with the help of Kevin Mikell. We have more than half dozen hospitals on our list of those to be contacted. In other news regarding publicity, an item about HAP's stamp drive appeared recently in Linns stamp news, a publication which reaches thousands of stamp collectors. It was worded in such a way as to encourage readers to write us for details. Todd Graves is responsible for extending our publicity into this new area.

You may anticipate hearing a new voice on Radio Nederland's DX Juke Box HAP talks, so ably handled for so long by the retiring Harry Van Gelder. This is not official yet, so I don't feel at liberty to mention his name, but HAP talks will be continued.

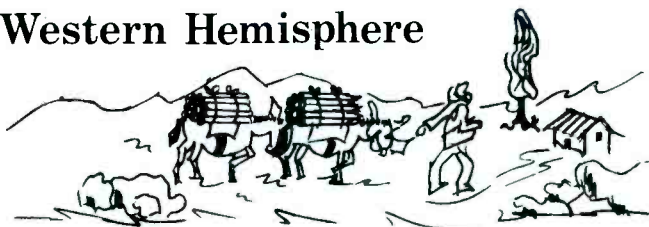
Fritz Mulder, of HAP Holland, has arranged for HAP news to appear in the EDXC bulletin, through the courtesy of Wouter Frauken. Fritz is also working on extending HAP publicity to hospitals in Holland, through what is called "Hospital Broadcasting". Dick Speelman of Radio Nederland may supply the scripts.

Rudolf Heim, Secretary General of EDXC, has sent me a letter in which he pledges full cooperation and asks HAP to provide enough information for a full page of HAP News in the EDXC News-Letter. We are also arranging for an exchange of bulletins: HIPC News-Letter for EDXC News-Letter. We are at present exploring ways in which EDXC and HAP may work in closer cooperation, to our mutual benefit and the benefit of disabled hobbyists and potential hobbyists. I hope that in the next few weeks I will be able to announce two appointments to the HAP Board of Directors, which will put the Board at it's full complement for the first time in some months. It is hoped that these two appointments will give us added flexibility and wider geographical representation, and provide for continuity in case of my absence or inability to continue.

SWBC DX - Western Hemisphere

— EDITOR —

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



FREEDOM OF SPEECH ??

The most important news coming from the recent UNESCO meeting in San Jose, Costa Rica was the announcement that twenty countries had agreed to establish a Latin American News Agency for the account of the countries involved. This move was strongly criticized by the Interamerican Press Society and other media organizations which see this scheme as the first step to direct control of the news. This fear appears well founded since the 21 July issue of Venezuelan Economic Review observes that the session head, Amadon Mahtar M'Bow, ex-minister of Senegal, stated in his opening address that freedom of expression is much too important a matter to be left in the hands of the free press.

PROGRAMMING CHANGES ORDERED

Venezuelan Minister of Information, Grooscors recently went on record stating that Venezuelan broadcasters must provide more cultural and informational programming or face possible government regulation. This was followed a few days later by an announcement that several stations faced fines for failure to comply with last year's regulation that 50% of all music played must be recorded or composed by Venezuelans. The intent of these moves is not control of the media but rather to indirectly subsidize artists and others in the cultural sector which the Venezuelan government is trying to develop.

In a separate action, the Ministry of Information revoked the license of Radio Bocono after the Betancourt Briceño Estate failed to file the proper papers for 9 years. According to the 11 August issue of the Venezuelan Economic Review, rumor has it that the license may go to Pablo Milani. Just what effect all this will have on Radio Bocono's operations remains to be seen.

WHAT EVER HAPPENED TO THE SUMMER SLUMP ?

Is there no rest for the weary editor? Despite the heat, crazy weather, vacations and high noise level my desk is piled high with loggings. It's a good thing I didn't have to go to Montevideo, Uruguay as planned as I'd hate to stick a stand-in with this mountain of paper. I do have to go to Mexico City next month so please mail your reports in early so I can get my words of wisdom off to Los Angeles before I hop on an airplane on the 19th of September.

Ecos del Combeima has moved again, this time to 4875 khz. XEWW, La Voz de América Latina, continues to be reported active and La Voz de los Centauros seems to have settled on 6190v, at least for the time being. So much for the highlights and on to the details with the usual reminder that all times are GMT, all dates are in the month/day format and reception conditions are reported using the SIO code.

ARGENTINA

- 9690 0305 LRA32 Radiodifusión Argentina al Exterior:w/ EE cmnty on sugar harvest (444 7/30 Redman-IL)(322 0308 7/21 Buechler-MO)(354 0324 7/30 Miklejewski-MN)(333 0317 ??? Kukan-NJ)(222 1100 7/14 w/SS mx Woltman-WI)(??? 0055 8/2 on 8689.8 khz Hauser-TN)(444 1056 w/ SS ID, into JJ pgm 7/20 Jones-MS)
- 11710 2302 LRA35 Radiodifusión Argentina al Exterior:w/ new DX program DXISMO ARGENTINO AL MUNDO is coming off nicely on alternate weeks. Noted 2303-2320 including a tlak on World DX Club Year and a DX report from SCDX bulletin (??? 7/17 Hauser-TN)

ARGENTINA (cont.)

- 11710 2309 LRA35 RAE (cont.): On 7/31 this new DX pgm initiated a forecast of propagation feature, carried sked of govt-controlled "commercial" stns, and brought news of a hitherto unknown Antarctic broadcast Saturdays 0400-0530 via Splendid's 5980, 9740, & 11880, Belgrano's 6090 & 11780 (9760 inactive), and R. El Mundo's 6120, 11755, & 15290 khz. This program originates at MW stations R. Antartida & R. Excelsior. (Hauser-TN)(433 2322 7/19 Macris-MO)(433 2311 8/6 Baron-PA) (555 2340 8/7 Somers-CA)(433 2305 7/29 Buechler-MO)(433 2250 7/16 Stephenson-CA)(433 2052 w/ multi-tone IS, OM & YL SS ID 8/1 Bixby-CA)(434 1920 w/ SS 7/12 Vilar6-PR)(333 2300 w/ end SS begin EE 8/11 Redman-IL)
- 11755 0550 LRX R. El Mundo:w/ TENTATIVE logging of EE pop mx, OM SS anc time pips under mx @ 0600, horrid QRN (331 8/5 Bixby-CA)

BOLIVIA

- 4875 0211 CP75 La Cruz del Sur:w/ inst. mx, nx @ 0215, ID, prayer, full ID in SS & EE @ 0229* (433 7/25 Baumgartner-ONT)(232 0120 8/5 Fischer-CT)
- 6035 1130 CP92 R. Panamericana:w/ SS pop mx, ID (322 7/11 Vilar6-PR)

BRAZIL

- 4855 0135 PRC5 R. Clube do Pará:w/ OM PP tlk, mx (222 7/17 Baumgartner-ONT)
- 4915 0930 ZYE2 R. Dif. Macapá:w/ ID, TCs, lively mx (222 7/14 Vilar6-PR)
- 4985 0500 ZYF208 R. Brasil Central:w/ mx, PP ads, OM tlk (444 8/8 Wyllie-MA)(242 0630 8/9 Nebron-CA)(454 0610 8/6 Fischer-CT)(433 0615 7/14 Beal-WA)(333 0440 7/27 Redman-IL)(555 0700 7/12 Vilar6-PR)(344 0505 8/5 Gaffin-NY)(322 0605 7/30 Miklejewski-MN)(353 0505 7/17 Earhart-PA)
- 6000 0838 PRK5 R. Inconfidência: YL PP ID, rel. mx, QRN from R. Reloj (222 7/12 Miklejewski-MN)(211 ??? 7/14 Vilar6-PR)
- 6155 0900 ZYN30 R. Cultura da Bahia:w/ local mx, ads (322 7/12 Rogers-ONT)
- 9705 1000 ZYZ24 R. Mauá:w/ Brazilian mx, PP amt (232 7/9 Perry-QUE) Are you sure this not XERMX, Colin??
- 11780 *2100 PRL8 R. Nacional de Brasflia:w/ EE nx, BRAZILIAN PANORAMA pgm (222 7/29 Stuart-MA)(343 2100 8/5 Thompson-NM)(443 2034 w/ GG ID, mx 7/31 Kukan-NJ)(344 1948 w/ PP into GG @ 2000 7/25 Miklejewski-MN)
- 11805 1050 ZYZ65 R. Globo:w/ Brazilian mx, tlk, many PP IDs (342 7/16 Zilmer-WI)(333 0110 8/7 Fischer-CT)(333 0125 8/4 Beal-WA)
- 11815 1502 ZYW24 R. Brasil Central:w/ PP ID amid spts nx (??? 7/31 Hauser-TN)(??? 1015 ?? Zilmer-WI)
- 11865 1020 ZYB85 R. Clube de Pernambuco:w/ Brazilian mx, pop mx, ads, tlk jingles. Smooth sophisticated pgmning (242 7/16 Zilmer-WI)
- 11885 1055 ZYZ25 R. Mauá:w/ Local mx, ID, ads, jingles (342, 7/17 Zilmer-WI) (??? 2347 w/ no sign R. Ipanema ID reported by Tuchscherer, on 11885.9 khz, hetting RFE 8/2 Hauser-TN)
- 11915 0004 PRC23 R. Gauchá:w/ full ID as "R. Gah-00-shuh" listing 49 m.b., 25 m.b. fqs (??? 8/3 Hauser-TN)
- 11925 0525 ZYR78 R. Bandeirantes:w/ Brazilian mx, OM tlk, nx (432 7/22 Miller-CA)(342 1030 7/16 Zilmer-WI)
- 11937 1035 ZYS35 R. Clube Paranaense:w/ PP tlk, local mx, jingles, ads (242 7/16 Zilmer-WI)
- 15145 1030 ZYB87 R. Jornal do Comércio:w/ PP ads, jingles, mx (252 8/3 Zilmer-WI)

CANADA

- 5960 0434 CBC Northern Service:w/ EE mx pgm (555 8/4 Watts-IN)
- 6005 0010 CFCX, Montreal:w/ Expos vs. Cubs baseball game (232 8/7 Fischer-CT)(333 0605 w/ EE nx, pop mx, ID 7/31 Famularo-NJ)
- 6070 1520 CFRX, Toronto:w/ EE tlk (544 8/14 Benson-VA)
- 6085 0145 RCI:w/ EE tlk on how chipmunk got its stripes (453 8/7 Mahaffey-OH)(555 0100 8/12 Kannry-NY)(444 0138 8/9 Smith-TN)(555 0100 7/25 Lull-??)
- 6085 0215 Deutsche Welle, via Sackville:w/ GG vocal mx selections, IDs, tlk (444 8/4 Thompson-NM)
- 6160 1100 CKZN, St. Johns:w/ CBC nxcst, wx, interview w/ Bob Hope (343 8/10 Butterfield-MA)
- 6175 2330 BBC, via Sackville:w/ EE Olympic nx (555 7/16 Rogers-ONT)

CANADA (cont.)

- 9535 0026 RCI:w/ SS tlk about Canada to Latin America (444 8/6 Dean-OH)
 9570 1000 RCI:w/ EE nx, Olympics nx (433 7/21 Miller-CA)
 9625 1530 CBC Northern Svc:w/ spts nx, nx @ 1600 (444 7/18 Famularo-NJ)
 (534 0300 7/22 Watts-IN)
 9650 0100 RCI:w/ EE "Magazine" pgm (555 7/25 Lull)(555 0138 7/17 Watts-IN)
 9655 0400 RCI:w/ final report on Olympics (434 8/3 Grenier-CA)(444 0407
 7/4 Naylor-CA)(555 0211 7/17 Watts-IN)(554 0545 7/24 Miller-CA)
 11765 0510 RCI:w/ EE nx, ID, Olympics nx (444 7/23 Miller-CA)(444 0400
 7/19 Grenier-CA)(555 0544 7/31 Watts-IN)
 11855 1800 RCI:EE nx, wx, tlks to Europe (454 7/31 Famularo-NJ)(444 2145
 7/17 Tannenwald-NY)
 15175 1135 RCI:w/EE ID, "Magazine" pgm (343 7/14 Shaw-PA)
 15190 *0000 RCI:w/SS, FF & EE IDs, into SS pgm (443 7/28 Buechler-MO)(333
 0045 8/12 Beal-WA)
 15325 2230 RCI Armed Forces Service:w/ EE nx @ 1628 into FF @ 1641-1658,
 anmts said EE begins @ 1625, music fill to 1700. Armed
 Forces Service now part of RCI and has appended a new 15-min.
 pgm @ 2230-2245* announcing // 11855 and time as 1800 GMT(sic)
 (??? 8/2 Hauser-TN)(444 1510 w/Ukrainian tlks, ID, into IS
 7/27 Thompson-NM)(555 1430 w/ RR ID, nx 6/29 Rogers-ONT)(444
 1938 w/ FF tlks, ID, mx 8/6 Baron-PA)(555 1952 w/ EE mx pgm
 8/2 Young-NJ)
 17820 1700* RCI Armed Forces Service:w/ FF nx, sports (554 8/5 Gaffin-NY)
 (333 2035 w/ FF tlk, mx, EE ID 7/20 Shaw-PA)

CHILE

- 6135 1100 CE613 R. Universidad de Concepción:w/ IS, EE ID by YL, then into
 classical mx (322 8/3 Zilmer-WI)
 6190 0700 CE619 R. Nacional de Chile:w/ DJ mx pgm, Coke ads, echo anmts
 "La Voz de ..." (222 7/21 Brookwell-CA) Larry, meet La Voz
 de los Centauros, now here and which you undoubtedly heard.
 9565 0030 CE956 R. Nacional de Chile:w/ IS, IDs in SS & EE, mx, nxcst
 (444 7/18 Thompson-NM)(??? 2357 on 9566.0 in RR 8/1 Hauser-TN)
 12250 1551 CB138 R. Colo Colo: Noted here on RC SSB w/ tropical mx, 1552
 GMT -4 TC, ads in Pesos, 1601 anmt for Soc. Nacional de
 Agricultura, "Informa R. Colo Colo, primera en la noticia",
 more ads than news though. Still going @ 1830 (??? 7/31
 Hauser-TN) Glenn, possible network link??
 15150 2300 CE1515 R. Nacional de Chile:w/ EE tlk on problems of Chile (222
 7/21 Stephenson-CA)(433 2300 7/2 Rogers-ONT)(333 2310 7/25
 Brookwell-CA)(232 1430 7/21 Nebron-CA)(333 8/5 Thompson-NM)

COLOMBIA

- 2580 0100 HJNY R. Pipatón:w/ "Desde Barrancabermeja, Colombia, R. Pipatón"
 ID noted not R. Libertador, Cali as reported by Stanbury in
 Tropical DX Newsletter. Is 2x 1290 harmonic (7/20 Hauser-TN)
 4755 0214 HJKC Emisora Nuevo Mundo:w/ LA pop mx, ID (433 8/3 Famularo-NJ)
 (232 0650 8/6 Fischer-CT)
 4875 0245 HJLW Ecos del Combeima:w/ combo local/Super net ID, pop mx, TC
 "Ecos del Combeima informa la hora, la hora Super..... KOed
 by R. RSA sign-on @ 0255 (433 8/15 Whitehead-MA)
 4945 0627 HJDH R. Colosal:w/ many ads, pop LA mx, IDs (343 7/14 Kukan-NJ)
 (444 0707 8/7 Famularo-NJ)(454 0431 8/2 Watts-IN)(444 0637
 8/6 Fischer-CT)(433 0355 7/18 Baumgartner-ONT)(343 0120 7/2
 Rogers-ONT)
 4965 0426 HJAE R. Santa Fé:w/ SS TCs, Colombian mx (333 7/19 Young-NJ)
 (333 0622 7/30 Miklejewski-MN)(333 0640 8/8 Grenier-CA)(434
 0733 8/7 Famularo-NJ)(444 0430 8/2 Watts-IN)(242 0640 8/6
 Fischer-CT)(322 0630 7/15 Beal-WA)
 4975 0951 HJ?? Ondas del Orteguzaza:w/ many IDs, TCs, ad strings, early
 morning pgm for campesinos. Seems just a bit higher in fgy
 than the UTE usually resident here (--2 7/26 Jones-MS)
 5020 0015 HJCP Ecos del Atrato:w/ LA mx pgm, much tlk (343 8/7 Fischer-CT)
 5075 0145 HJGC R. Sutatenza:w/ SS mx, ID @ 0145 (333 7/29 MacCoy-NJ)(343
 0200 8/5 Fischer-CT)(454 0359* 8/2 Watts-IN)(444 0215 7/25
 Redman-IL)
 5095 0030 HJGG R. Sutatenza:w/ SS tlk on economics, not // 5075 (333 8/6
 Gaffin-NY)(322 0114 7/28 Buechler-MO)(423 0205 8/5 Fischer-CT)
 6000 0730 HJNX R. Super de Medellín:w/ nx, ID, Argentine mx pgm (222 7/17
 Vilarδ-PR)

COLOMBIA (cont.)

- 6065 0445 HJAX R. Super:w/ "Fiesta Mixicana", anmts, TC, ID, nx headlines
(323 8/6 Miklejewski-MN)
- 6080 1100 HJID R. Sutatenza:w/ educational pgm, ID (434 8/2 Vilar6-PR)
- 6115 1115 HJIE LV del Llano:w/ SS ID, mx (211 7/11 Vilar6-PR)
- 6120 0940 HJ?? R. Super de Cali:w/ Colombian mx, ID (322 7/31 Jones-MS)
(?? 0120 w/ fiesta mx, measured on 6123.1 & later 6121.0
@ 0320. Does R. Super jump between this fqy and the next
or are there two stns? (Hauser-TN)
- 6160 0930 HJKJ Emisora Nueva Granada:w/ LA mx, anmts "La Radio de Colombia"
(433 7/18 Redman-IL)(332 0845 7/25 Tannenwald-NY)(344 0724
7/12 Miklejewski-MN)
- 6170 0945 HJBJ LV de la Selva:w/ SS ID, mx, ads (433 8/2 Vilar6-PR)
- 6191 0623 HJ?? LV de los Centauros:w/ SS ID, mx (333 7/15 Breeden-MS)(???)
1105 8/4 measured on 6191.2 Hauser-TN)
- 9682 0000 HJZK R. Nacional de Colombia:w/ political rally, complete w/
speeches (554 7/20 Macris-MO)(312 1200 7/24 Tannenwald-NY)
(433 2345 7/31 Redman-IL)(323 1148 8/2 Miklejewski-MN)

COSTA RICA

- 4832 0507 TIHB Emisoras R. Reloj:w/ OM tlk on U.S. 4th of July celebration
(343 7/3 Naylor-CA)(323 0246 7/26 Young-NJ)(454 0630 8/6
Fischer-CT)(444 1035 7/18 Redman-IL)(554 0402 8/1 Watts-IN)
- 5954 0514 TIQ R. Casino:w/ EE rel. mx (453 8/1 Watts-IN)
- 6006 0415 TIHB Emisoras R. Reloj:w/ SS nx, ID, pop mx (222 7/31 Vilar6-PR)
- 6150 0600 TIRS R. Atenea:w/ LA DJ pgm, "Centroamericana" repeated often
// 975 (222 7/21 Br ookwell-CA)
- 6175 1216 TIFC Faro del Caribe:w/ SS religious mx (242 7/24 Jones-MS)
- 9664 1245 TIHB Emisoras R. Reloj:w/ rapid SS nx, TCs on the minute, wide
fading range like 12012. Splatter from R. Rumbos on 9660
Is 2x 4832 harmonic (???) 7/31 Hauser-TN)
- 12012 1320 TIHB Emisoras R. Reloj:w/ 2x 6006 harmonic measured here as 2x
6005.9 (Hauser-TN)

CUBA

- 6060 0426 R. Habana Cuba:w/ SS tlk (545 8/4 Watts-IN)
- 9525 0625 R. Habana Cuba:w/ EE ID, nx, tlk, Cuban mx (222 7/17 Ishizaki-
JAPAN)(444 0703 7/23 Brick-MA)
- 9550 0302 R. Habana Cuba:w/ SS w/ OM & YL nx, ID as "LV de la Revolución"
(444 7/30 Naylor-CA)(555 0309 8/3 Watts-IN)
- 9595 0655 R. Habana Cuba:w/ EE tlk on exports from Jamaica, pop mx (555
7/15 Miller-CA)
- 11725 0220 R. Habana Cuba:w/ EE // 11930 khz (412 8/3 Watts-IN)
- 11760 0145 R. Habana Cuba:w/ SS tlk on Olympics (443 8/3 MacCoy-NJ)(444
1510 7/1 Rogers-ONT)(555 0209 8/3 Watts-IN)(444 0545 7/23
Young-NJ)(444 0330 8/3 Grenier-CA)
- 11930 0145 R. Habana Cuba:w/ EE cmntry on July 26, mx (554 7/26 Miller-CA)
(444 0118 8/3 Kukan-NJ)(434 0245 7/21 Buehler-MO)(555 0220
8/3 Watts-IN)(555 0160 7/30 Rogers-ONT)
- 11965 1302 R. Habana Cuba:w/ SS ID, Castro speech (444 8/3 Naylor-CA)
- 11970 0413 R. Habana Cuba:w/ tlk on anchovy fishing (443 7/27 Miller-CA)
- 12075 1325 R. Habana Cuba:w/ spur here similar to 11881.4. Noted "Voces
de la Revoluci6n" pgm (???) 7/31 Hauser-TN)
- 12080 0300 R. Habana Cuba:w/ another spur w/ SS nx (???) 7/18 Hauser-TN)
- 15230 0410 R. Habana Cuba:w/ SS tlk (444 7/21 Shaw-FA)(333 1230 w/ SS mx
of Dominican Republic 8/4 Naylor-CA)(354 0428 8/1 watts-IN)
- 15239 0432 R. Habana Cuba:w/ Another spur tho this spur, unlike the stable
ones on 15215 & 15245, wandered 15239-15300 between 0432 and
0524 GMT (???) 7/23 Hauser-TN)
- 15265 0508 R. Habana Cuba:w/ Another spur, this one going down while other
one above going up (???) 7/23 Hauser-TN)
- 17705 1945 R. Habana Cuba:w/ SS Olympics nx (333 7/20 Shaw-FA)
- 17750 2020 R. Habana Cuba:w/ EE nx, cmntry (555 7/12 Owsley-CA)
- 17850 1528 R. Habana Cuba:w/ EE nx, spotlight on Latin America (444 7/26
Smith-FL)
- 17885 2110 R. Habana Cuba:w/ EE "PHILATELY IN CUBA" (333 7/18 Miklejewski-
MN)(343 1900 7/10 Somers-CA)(333 2045 7/20 Shaw-FA)

DOMINICAN REPUBLIC

- 4825 2045 HIFA LV de las Fuerzas Armadas:w/ SS ID, local folk mx (444
7/12 Vilar6-PR)(433 1012 8/3 Jones-MS)

DOMINICAN REPUBLIC (cont.)

- 4930 0015 HIBE R. Mil:w/ LA vocals & pop mx, TCs & IDs (333 8/10 Redman-IL)(323 0714 7/14 Vilar6-PR)(343 0115 8/5 Fischer-CT)
 4987 0343 HI?? R. Neyba:w/ SS mx (554 8/1 watts-IN) You're going to have to provide me more details than you did Greg to convince me this isn't R. Brasil Central.
 9505 0345 HISD R. Televisi6n Dominicana:w/ non-stop Gershwin clobbered by NHK s/on @ 0400 (222 7/25 Brookwell-CA)
 11700 2156 HILR R. Clarin:w/ SS mx, some tlk (232 7/15 Young-NJ)(Now am inclined to believe my rpt of numbers here was results of National Lottery, not stock market quotations as earlier thought. hauser-IN)

ECUADOR

- 3390 0510 HCOT1 R. Zaracay:w/ SS DJ w/ ranchera mx (222 7/17 Brookwell-CA)
 4680 0353 HCWE1 R. Nacional Espejo:w/ music, ads, IDs (322 8/2 kukan-NJ)
 4795 0334 HCAS4 LV de las Caras:w/ SS lt. mx (332 8/5 Famularo-NJ)
 4800 0545 HCMB5 R. Popular Independiente:w/ Andean folk mx, several brief anmts (222 8/11 Beal-WA)
 4820 0602 HCPS6 R. Paz y Bien:w/ SS ID, Ecuadorian mx (333 7/20 Breeden-MS)
 4923 1040 HCR41 R. Quitow:w/ Ecuadorian mx, big het after R. Progreso s/on @ 1042 (433 7/23 Jones-MS)(333 0035 8/8 Famularo-NJ)
 6050 0325 HCJB LV de los Andes:w/ SS regional svc (555 7/30 Watts-IN)
 6075 1131 HCJB LV de los Andes:w/ JJ pgm audible only here tho 9715 also announced (??? 7/23 Hauser-TN)
 6095 0305 HCJB LV de los Andes:w/ EE "CALL OF THE ANDES", tlk on circle of fire in Pacific (444 8/6 Thompson-NM)(545 0327 7/26 Watts-IN)(444 0530 7/20 Miller-CA)
 6185 *0400 HCJB LV de los Andes:w/ Romanian pgm to Europe // 11835 (333 8/4 watts-IN)
 9560 0220 HCJB LV de los Andes:w/ "PASSPORT" into "DX PARTY LINE" // 11915 (434 8/5 Buehler-MO)(333 0230 7/18 Shaw-PA)(534 0502 8/2 watts-IN)(444 0230 7/22 Thompson-NM)(553 0230 7/10 Somers-CA)(433 0230 7/18 Grenier-CA)(222 0230 7/19 Kukan-NJ)(443 0603 7/19 Miller-CA)(555 0245 6/25 Rogers-ONT)(444 0128 7/30 Young-NJ)(444 0137 8/9 Smith-TN)
 9620 0430 HCJB LV de los Andes:w/ SS ID, rel. pgm (121 8/9 Nebron-CA)
 9765 1535 HCJB LV de los Andes:w/ SS radio play (233 8/8 Dean-OH)
 11745 1500 HCJB LV de los Andes:w/ EE nx, rel tlk (443 7/5 Tannenwald-NY)
 11835 0339 HCJB LV de los Andes:w/ Russian to Europe (545 7/31 watts-IN)
 11840 0945 HCJB LV de los Andes:w/ NF to Europe, noted w/ LX PARTY LINE announcing usual 6130 & 9745 for South Pacific. Perhaps a test (??? 7/29 Hauser-TN)
 11885 0100 HCJB LV de los Andes:w/ EE rel. pgm (333 7/18 Shaw-PA)(233 *0040 7/19 watts-IN)
 11890 2230 HCJB LV de los Andes:w/ EE ID, s/on PP to Brazil (434 8/1 watts-IN) Greg, this listed 11895 my sked. 11890 ancd??
 11915 0210 HCJB LV de los Andes:w/ CREATION COUNSELING (454 7/17 Macris-MO)(444 0215 7/31 Thompson-NM)(222 0040 8/2 Watts-IN)
 11960 0230 HCJB LV de los Andes:w/ SS pgm to Europe (434 8/3 Watts-IN)
 15115 1302 HCJB LV de los Andes:w/ EE nx // 15160, 11745 (444 7/13 Yajko-PA)(454 1400 7/13 Smith-FL)(445 2038 7/16 watts-IN)
 15160 1450 HCJB LV de los Andes:w/ "THRU THE BIBLE" pgm (332 7/26 Miller-CA)
 15300 1900 HCJB LV de los Andes:w/ EE "PASSPORT", nx, Ecuadorian mx, tlk (444 8/3 Thompson-NM)(354 2059 w/FF into GG 7/16 watts-IN)
 15310 1900 HCJB LV de los Andes:w/ GG pgm end, into EE (444 7/18 watts-IN)
 17780 2015 HCJB LV de los Andes:w/ EE rel. mx (333 7/20 Shaw-PA)(333 2000 7/11 Somers-CA)(444 1954 7/13 Smith-FL)

EL SALVADOR

- 5980 0600 YSS R. Nacional:w/ SS mx, good ID (222 7/28 Brookwell-CA)

GALAPAGOS ISLANDS

- 4810 0240 HCVG8 LV de los Gal6pagos:w/ SS drama, Ecuadorian mx, sea-gull IS @ 0415*(352 8/5 Klontz-CA)(333 1223 7/15 Bodell-OR)

GRENADA

- 9550 1838 Radio Grenada:w/ American pop mx, nx (322 7/31 kukan-NJ)
 15105 2044 Radio Grenada:w/ play, Colgate toothpaste ad, wiped out @ 2100 by jamming aimed at IBA on 15100 (222 7/16 Meehan-CT)

GUATEMALA

3300 0300 TGNC R. Cultural:w/ SS ID, tlc on Bible, rel. pgm (211 7/30 Vilar6-PR)(222 0500 7/17 Brookwell-CA)(422 0230 8/3 Redman-IL)
 3360 0345 TGVN LV de Nahualá:w/ marimba mx, hvy wRN (422 8/9 Redman-IL) (322 0410 w/ pgm of country mx, 0437* 8/6 Miklejewski-MN)
 3380 1110 TGCH R. Chortis:w/"AMANECEER EN EL CAMPO" pgm, wake-up country style mx (322 8/2 Miklejewski-MN)
 4825 0115 TGMN R. Mam:w/ local mx, tlks by YL & OM, het and hvy wRN noted (321 7/25 Redman-IL)(433 2302 7/22 Famularo-NJ)

HAITI

6155 2100 4VWA R. Citadelle:w/ FF ID, mx pgm (222 7/12 Vilar6-PR)
 11835 2115 4VEJ R. 4VEH:w/ SS mx, rel. pgm (222 7/5 Stephenson-CA)(343 1215 w/ EE rel. pgm 8/5 Jones-MS)(333 1820 8/1 Famularo-NJ) (434 1300 w/ EE rel. tlc // 9770 7/23 Yajko-PA)(??? 1222 w/ sob story measured 11834.8 8/1 Hauser-TN)

HONDURAS

4820 0300 HRVC LV Evangélica:w/ EE rel. pgm (333 7/21 Kukan-NJ)(343 0330 8/5 Fischer-CT)(333 0330 8/9 Redman-IL)(222 0405 7/27 Young-NJ)(543 0402 8/1 Watts-IN)(212 0407 7/18 Brookwell-CA)(222 0320 8/4 Famularo-NJ)

MARTINIQUE

3315 1030 France Regions 3, Fort de France:w/ FF mx, tlc (444 8/6 Vilar6-PR)(333 0108 8/5 Fischer-CT)

MEXICO

5980 0125 XERMX R. México:w/ lt. mx, IDs, wRM from BBC 5975 (222 8/3 Buehler-MO)(222 0335 Brookwell-CA)(222 2314 8/7 Baron-PA)(342 0320 7/17 Miklejewski-MN)
 6105 1227 XEQM Su Pantera:w/ "Esta es Merida, XEQM, XEQM,...." fqys, ads, mx (353 7/24 Jones-MS)(433 1100 8/5 Zilmer-WI)
 6115 1730 XEUDS R. Universidad de Sonora:w/ classical mx (343 8/7 Grenier-CA)(444 1730 8/3 Thompson-NM)(444 1842 8/7 Bixby-CA)
 6165 1139 XEWW LV de América Latina:w/ ID as "XEW en México, D.F.", Mexican mx, tlc (322 7/14 Jones-MS)
 9705 1512 XERMX R. México:w/ SS ID, lt. classical mx (233 8/8 Dean-OH) (333 0110 7/20 Buehler-MO)(322 2100 7/6 Stephenson-CA)(545 0207 7/10 Watts-IN)(322 1430 7/31 Tannenwald-NY)
 15160 0256 XEWW LV de América Latina:w/ real Mariachi mx, ads ID, more ads (222 7/17 Miklejewski-MN)(??? 0058 w/ TC/ID "en la capital de la República Mexicana" 8/4 Hauser-TN)
 15385 2245 XERMX R. México:w/ EE/SS ID & request for reception reports, classical mx (434 8/7 Somers-CA)(353 0312 7/28 Earhart-PA) (444 2145 7/31 Redman-IL)(233 0005 8/3 Buehler-MO)(454 0112 Watts-IN)(422 2045 7/9 Stephenson-CA)(343 0000 8/7 Fischer-CT)(343 0300 7/14 Grenier-CA)(on 15384.7 1440 7/31 Hauser-TN)

NETHERLANDS ANTILLES

6165 0201 RN, Bonaire Relay:w/EE ID, nxcst (444 7/28 Buehler-MO)(555 0438 w/ Dutch 8/4 Watts-IN)(333 0230 7/12 Grenier-CA)(555 *0200 8/1 Young-NJ)
 6190 *0330 TWR, Bonaire:w/ EE ID, Polish rel. pgm (544 7/29 Gaffin-NY)
 9590 0328 RN, Bonaire Relay:w/ IS, ID, SS nxcst (454 8/4 Thompson-NM)(545 0427 7/14 Watts-IN)
 9715 0510 RN, Bonaire:w/ HIS AND HERS pgm (444 8/4 Grenier-CA)(554 0545 7/22 Miller-CA)(555 2346 w/PP nx 7/16 Watts-IN)
 11730 0630 RN, Bonaire:w/ HAPPY STN pgm (343 7/18 Grenier-CA)
 11815 1218 TWR, Bonaire:w/ "DX SPECIAL" pgm (444 8/7 Jones-MS)(444 1105 8/8 Grenier-CA)
 11925 0045 TWR, Bonaire:w/ EE ID, rel. pgm (333 7/18 Shaw-PA)
 15320 2258 RN, Bonaire Relay:w/ IS & SS ID (444 7/29 Buehler-MO)
 15345 2355 TWR, Bonaire:w/ SS pgm summary, "MUSICA DE INSPIRACION" pgm (343 8/6 Fischer-CT)(??? 2330 w/ "R. Transmudicial" ID in GG pgm beginning this time after PP pgm 8/1 Hauser-TN)
 17810 2025 RN, Bonaire:w/ Dutch pgm after EE ID, tlc, mx (333 7/20 Shaw-PA)

PERU

4790 0915 OAX8F R. Atlántida:w/ IDs, TCs, "DESPIERTA AMAZONIA" pgm, ads for hunters and sailors of the Amazon (322 7/14 Vilar6-PR)

PERU (cont.)

- 4996 0524 OAZ4C R. Andina:w/ TC w/ chime, ID, mx (333 7/17 Breeden-MS)
(432 0615 7/18 Bixby-CA)
5980 0632 OBX4M R. Panamericana:w/ SS pop LA mx (453 8/4 Jones-MS)
6082 0745 OAX4Z R. Nacional, Lima:w/ mx, IDs, pgm "CANTINOS DEL PERU" (333
7/17 Vilar6-PR)(333 0800 w/ modern LA mx "para los jovenes"
7/12 Miklejewski-MN)
9562 1720 OAX4R R. Nacional:w/ YL ID, into pgm of Peruvian folk mx (432
8/1 Bixby-CA)(measured @ 9562.3 w/ nxcst 1256 7/31 Hauser-TN)
9675 1203 OAZ4L R. del Pacifico:w/ SS singing ID, YL w/ ID, children's mx
(333 8/5 Jones-MS)

URUGUAY

- 11835 0228 CXA19 R. El Espectador:w/ SS nxcst, ads, LA pop mx (454 8/7
Wyllie-MA)
15273 2035 CXA14 S.O.D.R.E.w/ ID of "CX6" amid pgm of mx & ads, measured
as 15273.4 (??? 8/1 Hauser-TN)

VENEZUELA

- 3295 0000 YVOG R. Trujillo:w/ "Desde el corazón de los andes transmite,
R. Trujillo, ¡musicalísima!" (222 7/22 Vilar6-PR)
3385 1030 YVQI R. Barcelona:w/ ads w/ constant mention of addresses and
telephones "en Barcelona" but no ID, NOTIRUMBOS network nx
pgm (111 8/6 Vilar6-PR)
3395 2210 YVOJ R. Universidad:w/ "DIARIO DE LA TARDE" nxcst, ID (323 7/10
Vilar6-PR) Very nice set of reports, Narcisco!!!
4770 0150 YVNV R. Bolívar:w/ bombastic IDs, anmts, coffee ads, ID (333 8/5
Fischer-CT)(322 0145 8/7 Redman-IL)(333 0235 7/31 Young-NJ)
4800 0130 YVMO R. Lara:w/ Venezuelan mx, IDs (333 8/7 Redman-IL)(343 0135
8/5 Fischer-CT)(222 1030 8/2 Miklejewski-MN)
4810 0125 YVMG R. Popular:w/ SSanmts, modern mx (242 7/4 Rogers-ONT)(444
0145 8/5 Fischer-CT)
4830 0900 YVOA R. Táchira:w/SS mx, ads, ID (332 7/29 Tannenwald-NY)(333
0350 7/10 Young-NJ)
4840 1025 YVOI R. Valera:w/SS anmts, Venezuelan mx (222 7/18 Redman-IL)
4850 0426 YVKX R. Capital:w/ SS IDs, modern mx (232 7/11 Breeden-MS)
4860 1042 YVQE R. Maracaibo:w/ relay Rumbos network nxcst (333 7/20 Jones-
MS)(322 1010 7/18 Redman-IL)(332 0915 7/30 Tannenwald-NY)
4880 0215 YVMS R. Universo:w/ modern mx, SS ID/TC (333 7/24 Young-NJ)(454
2335 8/6 Fischer-CT)(322 1010 7/18 Redman-IL)(433 0157 8/3
Watts-IN)(231 0000 7/24 Tannenwald-NY)
4890 0125 YVKB Radiodifusora Venezuela:w/ LA vocals, SS ID as "Estación
de la Alegría" (343 8/5 Fischer-CT)
4900 0305 YVNK R. Juventud:w/ Afro rhythms & drums, ads, ID in SS @ 0312
(222 7/16 Beal-WA)(444 0100 8/5 Fischer-CT)(322 0130 7/25
Redman-IL)(444 0128 8/3 Watts-IN)(343 0300 8/7 Thompson-NM)
4930 0240 YVMI LV de la Fé:w/ modern mx, "The House of the Rising Sun",
"This Diamond Ring" etc., SS ID (443 8/7 Mahaffey-OH)
4940 0330 YVPA R. Yaracuy:w/ SS tlks, vocal & inst. mx, off @ 0400 w/ NA
(343 8/7 Thompson-NM)(454 2345 8/6 Fischer-CT)(222 0330 8/9
Beal-WA)(544 0104 8/3 Watts-IN)
4970 0445 YVLK R. Rumbos:w/"NOTI RUMBOS INFORMA" nxcst by two OM (333 7/27
Redman-IL)(423 0100 8/3 Watts-IN)
4980 0325 YVOC Ecos del Torbes:w/ romantic LA mx, many TCs (443 8/7
Mahaffey-OH)(433 0145 7/25 Redman-IL)(333 0245 7/16 Beal-WA)
(323 0140 8/4 Buehler-MO)(433 0332 7/24 Baumgartner-ONT)(554
0344 8/1 Watts-IN)(343 0245 7/30 Naylor-CA)(333 0230 8/7
Thompson-NM)
4990 0129 YVMQ R. Barquisimeto:w/ SS ID, pop mx (232 8/10 Smith-TN)
5030 *0900 YVMK R. Reloj Continente:w/sign-on anmts, mx, TC, SS ID (332
7/20 Tannenwald-NY)
5040 0912 YVQH R. Maturín:w/ SS ID, modern LA ballads (333 7/29
Baumgartner-ONT)(323 0910 7/28 Tannenwald-NY)
5050 0645 YVKD R. Mundial:w/ some U.S. pops, ads, LA mx (232 8/6 Fischer-
CT)(333 0845 7/21 Tannenwald-NY)
6010 2210 YVSB R. Los Andes:w/ SS ID, mx (111 8/7 Vilar6-PR)
6170 *1000 YVKO R. Nacional:w/ NA, ID, calls, fqys, mixing w/ LV de la
Selva (412 7/20 Jones-MS)(434 2200 7/10 Vilar6-PR)
9660 2344 YVLM R. Rumbos:w/ LA mx, SS nx bulletins (433 8/9 Redman-IL)
15490 2200 YVKN R. Nacional:w/ EE info on Venezuela, Venezuelan mx (333
8/3 Zilmer-WI)(??? 2249* w/ Venezuelan mx, EE pgm 8/3 Hauser-
TN)(on 15400:222 7/15 Baker-IL)(222 8/5 Beal-WA)(Weehan-CT)

SWBC DX EUROPE / AFRICA



RADIO NEDERLAND

PO BOX 222
HILVERSUM
HOLLAND



FEBA
Seychelles

ROBERT BUTTERFIELD
P. O. BOX 398
BELMONT, MA 02178

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

-Europe-

ALBANIA

- 7120 *0100 R. Peking via Tirana: Eng nx, commtry (344 7/16 Kukan-NJ);
(Fowler-ONT);(Smith-AL);(Redman-IL);(Shaw-PA);(Famularo-NJ);
(Watts-IN)
- 7300 0155 R. Tirana: Eng mx, ID, s/off (332 7/22 MacCoy-NJ);(Watts-IN);
(Mahaffey-OH);(Redman-IL);(Famularo-NJ);(Buehler-MO);
(Brookwell-CA)
- 9480 2037 R. Tirana: Eng commtry (434 7/20 Getzel-NY);(433 7/18 2040
Redman-IL)
- 9780 *0100 R. Peking via Tirana: Eng pgm to 0200, Span at 0200, Eng at
0300 (545 7/17 watts-IN);(333 0148 7/17 Davis-KY);(333 0115
7/23 Shaw-PA);(433 0120 8/5 Redman-IL)

AUSTRIA

- 9770 *0130 R. Austria (ORF): Eng w/ "Report from Austria", nx (444 7/27
Smith-AL);(Straumanis-IL);(Beal-WA);(Redman-IL);(Yajko-PA);
(Watts-IN);(Jones-MS);(Young-NJ)
- 11750 1400 R. Austria (ORF): Ger nx, commtry, mx (332 7/14 Zilmer-WI)
- 15305 *1457 R. Austria (ORF): Fr w/ IS, ID, tlk, (322 7/12 Makishima-
JAPAN)
- 15335 1830 R. Austria (ORF): Eng w/ ID now as 'R. Austria', nx and
views (322 7/26 Zilmer-WI);(322 1848 8/7 Bixby-CA)

BELGIUM

- 9725 *0015 RTB/BRT 4: Eng nx, tlk, mx (444 8/4 Benson-VA);(333 8/2
Young-NJ);(433 8/1 Straumanis-IL);(544 7/27 Smith-AL);(555
8/8 Watts-IN);(323 8/7 Baron-PA);(444 8/1 Redman-IL);(434
7/13 Yajko-PA);(434 7/14 Baker-IL);(444 8/6 Famularo-NJ);
(333 7/13 Earhart-PA);(333 8/5 Kummer-KY);(222 0017 7/14
Mitchell-CA)

BULGARIA

- 7670 0425 R. Sofia: Greek pgm w/ Grk mx, 0428 IS into Albanian pgm
w/ ID by yl "Ju flet Sofia", nx, evidently Grk 0400-0430
which differs from WRTH (222 8/7 Butterfield-MA)
- 9560 0130 R. Sofia: Sp/Port w/ LAM svc, Sp to 0230, Port to 0300,
QRMs HCJB, "imaging having the audacity to interfere with
the SPEEDX report over HCJB DX Partyline" (433 to 322 7/25+
Brooks-CT)
- 9700 *0000 R. Sofia: Eng nx, commtry (322 7/19 Baker-IL);(Buehler-MO);
(Yajko-PA);(Woltman-WI);(Watts-IN);(Baron-PA);(Redman-IL);
(Young-NJ);(Bader-CA);(Romani-MI);(Smith-AL);(Nebron-CA);
(Peters-KY) also at 0400
- 15310 2100 R. Sofia: Eng IS, ID, nx (343 7/24 Ishizaki-JAPAN);(333 7/23
Zilmer-WI)

CZECHOSLOVAKIA

9930 0112 R. Prague: Eng tlk on Olympics // 7345,9540,9630,11990
(434 7/22 Yajko-PA);(343 8/5 0100 Young-NJ)
7345 0107 R. Prague: Eng nx (344 8/8 Nordentoft-CO);(444 8/3 Kummer-
KY);(444 7/15 Earhart-PA);(444 8/3 Redman-IL);(433 7/22
Woltman-WI);(545 7/14 Watts-IN)
9540 0302 R. Prague: Eng nx (333 7/19 Macris-MO);(444 7/21 Buehler-MO);
(343 7/14 Smith-FL);(545 7/14 watts-IN);(222 7/30 Beal-WA);
(444 7/18 Redman-IL)
11990 0256 R. Prague: Eng nx (242 7/16 Prater-OR);(Smith-FL);(Getzel-
NY);(Earhart-PA);(MacCoy-NJ);(Watts-IN)

DENMARK

15165 *1600 R. Denmark: Danish pgm s/on, Eng ID and statement that they
broadcast exclusively in Danish (343 8/7 Meehan-CT);(232
8/15 Bixby-CA);(434 8/4 Kukan-NJ);(131 7/13 Mitchell-CA)

FINLAND

9550 2100 R. Finland: Eng nx to wEur, nwAfr // 11755 (322 8/6 Zilmer-
WI)
11755nf 1335 R. Finland: Eng tlk, intvw (333 7/15 Junqua-JAPAN);(323 1900
8/5 Baker-IL)
15110 *1330 R. Finland: Eng nx, QRM HCJB (434 8/7 Kasday-NJ);(434 7/13
Yajko-PA);(323 7/29 Getzel-NY);(333 7/20 Kukan-NJ);(433
8/8 Meehan-CT)

FRANCE

15155 *1600 R. France International: Eng "Paris Calling Africa", 1D
(232 7/25 Dean-OH);(333 1645 779 Gebhardt-IA)
15200 1623 RFI: Eng "PCA" // 15210,15300,15315 (344 7/27 Yajko-PA);
(253 8/2 Trautschould-WI)
15210 1630 RFI: Eng "PCA" (353 7/18 Romani-MI)
15300 1601 RFI: Eng "PCA" (333 7/28 Getzel-NY)
17720 1617 RFI: Eng "PCA" world nx (353 7/6 Fowler-ONTARIO)
17785 1515 RFI: Fr/Eng breaking away from general svc (which continued
on much stronger 17780) for "Cooperation Radiophonique"
saying one English spot would follow several in French (---
7/31 Hauser-TN) Note: "Cooperation Radiophonique" pgms are
intended for rebroadcast (generally in African countries)
and are not considered part of the External Services. rfb.
21580 1625 RFI: Eng "PCA" with pop mx (333 7/20 Shaw-PA)

GERMAN DEMOCRATIC REPUBLIC

7300 1830 R. Berlin International: Eng s/on, nx (444 7/12 Pimblett-
ENGLAND)
9730 *0100 RFI: Eng nx, intvw, commtry (433 7/18 Romani-MI);(222 7/21
Young-NJ);(434 7/22 Yajko-PA)
11705 0343 RFI: Eng to NAM // 11840 (443 7/19 Watts-IN)
11840 0350 RFI: Eng pgm (444 7/16 Prater-OR)
15100 2029 RFI: Eng s/on w/ IS, ID (222 8/6 Beal-WA)
15125 1200 RFI: Eng w/ IS, ID, nx (222 7/11 Ishizaki-JAPAN)

GERMANY, FEDERAL REPUBLIC OF

5955 0000 R. Liberty, Lampertheim: Russ w/ ID "Govorit Radiostantsiya
Svoboda", tlk (543 8/11 Watts-IN)
6075 *0130 Deutsche Welle: Eng nx (545 8/1 Lull-MI);(333 7/12 Bader-
CA);(333 8/9 Beal-WA);(555 7/27 Smith-AL);(444 7/30
Thompson-NM)
7265 0000 Sudwestfunk: Ger w/ nx, mx, some U.S. pops (433 8/16
Butterfield-MA);(343 8/9 0732 Pimblett-ENGLAND);(412 8/11
Watts-IN) R. Bremen and Sudddeutscher Rundfunk have also
been reported as using this frequency as of late. Possibly
a shared frequency now. Listen carefully. rfb.
7270 0322 VOA, Munich: Eng pgm (544 8/11 Watts-IN)
9565 *0130 Deutsche Welle: Eng nx (433 7/18 Redman-IL);(545 8/1 Lull-
MI);(533 7/17 Watts-IN);(433 7/22 Yajko-PA)
9765 *0430 Deutsche Welle: Eng nx (232 8/7 Nebron-CA);(322 0450 8/4
Beal-WA);(433 2100 8/4 Zilmer-WI)
11770 0015 R. Liberty, Lampertheim: Russ tlk, weak (212 8/5 Baker-IL)
11825 0400 R. Free Europe: Bulg w/ IS, s/on (212 7/17 Baker-IL)
15150 1945 Deutsche Welle: Eng pgm on Uganda raid and rescue (333 7/9
Gebhardt-IA);(443 8/7 Zilmer-WI)
15380 2200 R. Liberty, Lampertheim: U/lang w/ tlk, ID @ 2200 (322 8/2
Beal-WA)
17875 1055 Deutsche Welle: Eng w/ commtry (342 8/2 Zilmer-WI)

GREAT BRITAIN

6125 *0700 R. Canada International, Daventry: Eng nx, spts (444 8/9 Pimblett-ENGLAND)
 7155 *0620 R. Canada International, Daventry: Eng nx, spts, wx //6125, 11720 Daventry, 6130,9680 Sackville (323 8/6 Butterfield-MA)
 7200 0302 VOA, Woofferton: Eng nx (545 8/6 watts-IN);(322 7/3 Fowler-ONTARIO)
 7325 0330 BBC: Eng w/ special 5 min weather summary at slow speed for cross Atlantic yacht race, found 0330-0336 when said "Good Sailing" and played its "U" chimes to 0344* (7/16 Hauser-TN); (555 7/26 2330 Smith-AL);(444 0200 7/25 Redman-IL);(555 0230 7/26 watts-IN)
 9825 0500 BBC: Eng nx (333 7/12 Shaw-CA);(433 0630 in Hungarian 7/23 Brick-MA)
 11750 2045 BBC: Eng pgm (343 8/11 Kannry-NY);(Makishima-JAPAN);(Bixby-CA);(Redman-IL);(Famularo-NJ);(Thompson-NM)

GREECE

9760 *0015 Voice of Greece: Eng nx (333 7/31 Dean-OH);(433 8/1 Redman-IL);(544 8/10 Watts-IN);(454 7/8 Fowler-ONT);(323 7/27 Buehler-MO)
 9770 0505 VOA, Kavala: Eng nx (322 8/4 Beal-WA)

HUNGARY

8000 0309 R. Budapest: Eng to NAM (534 8/11 Watts-IN)
 7215 0400 R. Budapest: Eng w/ DX pgm, questioned answered of Gerry Dexter on the status of the Lakihegy xmttr listed in WRTH, said it was a mw site only, and added that the 9833 fqy normally bears 250 kw in the Nam svc (--- 6/26 Hauser-TN); (Thompson-NM);(Young-NJ);(Smith-AL);(Hinds-TRINIDAD); (Famularo-NJ)
 9570 0215 R. Budapest: Eng DX pgm (322 8/5 Beal-WA);(434 7/22 Woltman-WI)
 9655 2157 R. Budapest: Eng w/ fqys, s/off (444 7/25 Pimblett-SCOTLAND)
 15160 *1427 R. Budapest: Eng w/ IS, ID, nx (433 7/12 Makishima-JAPAN)

ITALY

6010 0427 Radiotlevisione Italiana: Eng nx (534 8/8 Watts-IN)
 7275 0435 RAI: Eng nx (433 8/9 Redman-IL)
 9575 *0100 RAI: Eng nx, comtry (433 7/18 Macris-MO);(433 7/18 Redman-IL);(333 7/17 Prater-OR)
 11810 *0100 RAI: Eng s/on, nx, comtry, mx, 0120* (444 7/16 Straumanis-IL);(Buehler-MO);(Redman-IL);(Thompson-NM);(Bixby-CA); (Nebron-CA);(Romani-MI);(Trautschold-WI);(MacCoy-NJ)
 11905 *2158 RAI: Eng w/ IS, nx, mx (242 7/17 Makishima-JAPAN)

LUXEMBOURG

6090 0010 R. Luxembourg: Eng rock mx (333 7/14 Mahaffey-OH);(333 7/26 Straumanis-IL);(343 0035 7/13 Fowler-ONT);(443 7/9 Kukan-NJ); (544 8/7 Pimblett-ENGLAND);(454 8/1 Young-NJ);(443 7/17 Macris-MO)
 15350t 1620 R. Luxembourg: Fr w/ pop mx (222 7/28 Getzel-NY)

MALTA

6100 *0128 Deutsche Welle, Cyclops: Eng w/ IS, ID, fqys, mx (333 7/31 Thompson-NM);(353 7/13 Fowler-ONT);(222 8/9 Beal-WA);(343 7/30 Buehler-MO);(545 8/11 Watts-IN)

MONACO

7110 0700 Trans World Radio: Eng "Radio Bible Class" (422 7/18 Mahaffey-OH)

NETHERLANDS

6020 1845 R. Nederland: Eng nx magazine (433 8/7 Pimblett-ENGLAND)
 11730 2127 R. Nederland: Eng w/ IS, nx, comtry (343 7/14 Mitchell-CA); (444 7/5 Macris-MO);(333 7/17 Prater-OR);(444 8/5 Agner-NJ); (343 7/13 Gebhardt-IA)
 11950 2220 R. Nederland: Sp w/ Espacio DXista, lesson on harmonic DXing; new host is Colombian, Jorge Montealegre (--- 7/30 Hauser-TN)
 15120nf 1500 R. Nederland: Eng w/ nx, 1520*, believe ex 15415 (333 8/7 Agner-NJ)
 17700 1925 R. Nederland: Eng "His and Hers" (323 7/20 Shaw-PA)

NORWAY

9645 0054 R. Norway: Norw s/on (534 8/9 Watts-IN)
 15135nf 0810 R. Norway: Eng nx, intvw, mx, "Made in Norway" (443 8/1
 Junqua-JAPAN)
 15175 1400 R. Norway: Eng tlk (433 7/18 Jones-MS);(Shaw-PA);(Macris-MO);
 (Getzel-NY);(343 8/11 Maheffey-OH)

POLAND

7285 *2230 Polish R.: Eng nx, commtry (433 7/7 Hinds-TRINIDAD)
 9540 1217 Polish R.: Eng "Request Concert" (433 8/8 Pimblett-ENGLAND)
 9675 0205 Polish R.: Eng nx (343 7/18 Fowler-ONTARIO)
 11815 0300 Polish R.: Eng nx to NAm (434 7/16 Prater-OR);(222 0220 7/14
 Mahaffey-OH)
 15120 0330 Polish R.: Eng nx ends, Polish begins (334 8/5 Watts-IN)

PORTUGAL

6025 *0500 R. Portugal (ENR): Eng to WCNA (545 8/1 watts-IN);(433 7/11
 Bixby-CA);(333 8/4 Young-NJ);(444 8/3 Redman-IL)
 7285 *0415 Deutsche Welle, Sines: Bulgarian pgm (423 8/10 Watts-IN)
 9505 *0400 R. Free Europe, Lisbon: Bulgarian pgm, nx (333 8/6
 Butterfield-MA);(222 *0357 8/6 Nebron-CA)
 11840 2300 R. Portugal (ENR): Sp nx (222 7/30 Licklider-MA)
 11935 *0230 R. Portugal (ENR): Eng nx, Eng to NAM is at 0230 and 0500
 for 30 min, no more 0430-0500 (444 7/19 Earhart-PA);(Prater-
 OR);(Redman-IL);(Buehler-MO);(Butterfield-MA)
 15215 1545 R. Free Europe, Lisbon: Romanian w/ Led Zepplin rock mx, 1600
 ID, nx, commtry (353 7/31 Trautschould-WI)

ROMANIA

9570 0140 R. Bucharest: Eng nx on Olympics (433 7/18 Redman-IL);(Beal-
 WA);(MacCoy-NJ);(433 8/3 Zilmer-WI);(Straumanis-IL)
 15250 1310 R. Bucharest: Eng w/ Olympic Report (343 7/23 Yajko-PA)
 15365 *1730 R. Bucharest: Eng nx (242 8/6 Zilmer-WI)

SPAIN

6065 0110 R. Nacional de Espana: Eng tlk (333 8/7 Fisher-CT);(Young-
 NJ);(Redman-IL);(Stephrnson-CA)
 9505 2230 RNE: Eng to Eur, nx, commtry (333 7/14 Kaufman-NY);(343 7/22
 Yajko-PA);(433 8/4 Zilmer-WI);(434 7/17 Watts-IN)
 11880 0330 RNE: Eng nx (343 7/14 Grenier-CA);(Getzel-NY);(MacCoy-NJ);
 (Redman-IL);(Thompson-NM);(Buehler-MO);(Shaw-PA);(Watts-IN)
 11945 2142 RNE: Sp/Eng, someone fooling around at Noblejas w/ IS cutting
 on and off, then 30 seconds of the English pgm which was
 supposed to be on 9505 and 6075 only, at 2144 Sp pgm opens
 (--- 7/9 Hauser-TN)
 15125 *2300 RNE: Sp w/ IS, ID, s/on "Programma Panorama", hrd also 7/18
 at 0020, move from 15365 (Canarias) where ID was RNE? Spain
 or Canary Islands? (322 8/5 Beal-WA)

SWEDEN

6120 *2300 R. Sweden: Eng nx, "Panorama" (433 8/3 Famularo-NJ)
 9625 0322 R. Sweden: Eng w/ big band mx (444 7/26 Shaw-CA)
 11955 0031 R. Sweden: Eng nx (333 7/22 Young-NJ);(444 7/18 Beal-WA);
 (444 7/22 Yajko-PA);(545 8/3 Watts-IN);(333 7/18 Shaw-PA)
 15120 *1227 R. Sweden: Eng nx (433 7/13 Makishima-JAPAN)
 15305 *1237 R. Sweden: Eng ID, tlk (433 8/6 Famularo-NJ);(Stephenson-CA);
 (Getzel-NY);(Mahaffey-OH)

SWITZERLAND

6135 0145 SBC: Eng pgm "Dateline" (343 7/31 Lill-MI);(444 7/27
 Thompson-NM);(555 7/27 Smith-AL);(444 7/25 Young-NJ);
 (444 8/7 Redman-IL)
 7210 *0600 R. International Red Cross: Eng w/ IS, s/on w/ ID by OM,
 sked (222 7/26 Smith-AL)
 9535 *2100 SBC: Eng to Eur (433 7/25 Pimblett-SCOTLAND);(544 7/21 Watts-
 IN)
 9725 0145 SBC: Eng nx (422 8/5 Bethge-MO);(Shaw-CA);(Redman-IL);(Lull-
 MI);(Mahaffey-OH)
 15140 1310 SBC: Eng w/ lt mx, tlk (333 7/21 Macris-MO);(433 7/13 Yajko-
 PA)
 15305 2100 SBC: Eng nx, "Dateline" (332 7/27 Zilmer-WI)
 15430 1530 SBC: Eng w/ IS to sAsia and ME, AFRTS QRM (433 8/7 Agner-NJ)

UNION OF SOVIET SOCIALIST REPUBLICSByelorussian SSR:

- 9655 0000 R. Moscow, (Orsha): Eng to NAM 2300-0300, ex 11870 (Kaunas), actual site believed Sofia, Bulgaria (343 8/4 Legge-VA)
 9660 2200 R. Moscow, Minsk: Port to Brazil // 9710 Frunze, 9775 Michurinsk, QRM R. Rumbos, Ven. (222 8/6 Legge-VA)

Latvian SSR:

- 12020 2230 R. Moscow, Riga: Sp to Chile, off since 8/1 changes (343 7/20 Legge-VA)

RFSFR European:

- 5950 *2300 First Program: Russ pgm // 7150,7310,7360,7390,7420,9785, 9800,11790 (232 8/6 Legge-VA)
 7150 *0030 R. Vilnius: Eng nx, tlk (434 7/25 Kukan-NJ);(444 0059* 7/19 Earhart-PA)
 *0300 R. Kiev: Eng to NAM // 7390,11960 (434 8/6 Watts-IN);(444 7/30 MacCoy-NJ)
 7300 0225* R. Moscow, Kazan': Ar pgm s/off, site presumed (222 7/27 Brookwell-CA)
 7355 *2330 Radiostantsiya Rodina: Russ pgm (434 8/10 watts-IN)
 7390 2220 R. Moscow: Eng to GB and Ireland, 2230* (343 7/27 Smith-FL); (555 *2330 Sp 8/9 Watts-IN)
 0315 R. Kiev: Eng "DX Club" (433 8/3 Redman-IL);(Watts-IN)
 7400 *0030 Fifth Program: Russ "Central" (512 8/7 watts-IN)
 7420 *0130 R. Riga: Russ nx (544 7/19 watts-IN) Are you sure about this?
 *0200 Radiostantsiya Atlantika: Russ nx (544 7/19 Watts-IN)
 *0300 Fifth Program: Russ, ancd as via Riga (554 7/19 Watts-IN) Riga studios perhaps? rfb.
 9500 *2300 R. Moscow: Eng ECNA, nx, mx (545 8/7 Watts-IN);(423 2330 8/6 Dean-OH) // 9600 (443 0330 7/10 Smith-FL)
 0030 R. Kiev: Eng IS, ID, commtry (434 8/6 Jones-MS);(432 8/6 Dean-OH)
 0600 Fifth Program: Russ w/ relay of First Program, tlk on communism (434 7/9 Shaw-CA)
 9575 1434 Fifth Program: Russ w/ relay of Mayak Second Program, ID at 1434, lt mx (333 7/22 Shaw-CA)
 9685 0020 R. Moscow: Eng pgm, after 8/1 fqy changes this one exhibited 8/3 a hi-pitched hum, unlike other RM fqys checked, sounded like relay off the air, may be Bulgarian relay, at 0030 R. Vilnius to NAM Lithuanian (--- 8/3 Hauser-TN);(544 0332 7/19 Macris-MO)
 9710 1739 Mayak: Russ w/ live concert, Mayak ID @ 1800, 1830 live spts coverage from Montreal Olympics (444 7/18 Shaw-CA)
 9720 1906 R. Moscow, Ryazan: Eng nx, ID (222 8/7 Baron-PA);(Watts-IN); (Shaw-PA);(Dean-OH)
 *0030 R. Vilnius: Eng mailbag (433 7/18 Romani-MI);(433 7/18 Redman-IL)
 11920 2330 Radiostantsiya Rodina: Russ IS, ID (434 7/11 Breeden-MS)
 15100 0030 R. Kiev: Eng ID, nx, commtry (333 8/4 Thompson-NM);(444 7/18 Ishizaki-JAPAN)
 0311 R. Yerevan: Armenian pgm, tlk, mx from 0300-0322, Eng 0322-0327, 0330 RM Eng (333 -/- Shaw-CA)
 15185 1236 R. Station Peace and Progress: Eng commtry (433 7/29 Getzel-NY);(232 1535 7/18 Mahaffey-OH)
 15480 0325 First Program (B?): Russ w/ "Radio Magazine" 0325-0330, tlks to 0400, Olympic last day coverage 0515+ (333 8/2 Shaw-CA)

Ukrainian SSR:

- 7320 2300 R. Moscow, Starobel'sk: Eng NAM svc 2300-0500 from 8/1, ex 9720, may be different site (444 8/6 Legge-VA)
 11735 2317 R. Moscow, Simferopol': Eng DX pgm covering jamming and harmonics, the former lightly, the later heavily (7/22 Hauser-TN)
 15455 *1130 Fifth Program: Russ to nAtlan, also Rstant Atlantika 1230-1330 & 1630-1730, Rstant. Rodina 1400-1500, 2000-2100. fqy closes 2130, // 15150 (444 8/10 Legge-VA);(555 8/7 Watts-IN)

VATICAN STATE

- 5995 *0100 R. Vaticana: Eng tlk (444 8/5 Young-NJ);(Yajko-PA);(Smith-AL)

YUGOSLAVIA

- 9620 *2200 R. Belgrade: Eng nx (433 7/18 Redman-IL);(Smith-AL);(Young-NJ);(Straumanis-IL);(Famularo-NJ);(Trautschould-WI)

AFARS AND ISSAS

4780 1650 France Regions 3, R. Djibouti: U/lang w/ afro/arabian mx, 1700 ID, nx? (322 7/29 Junqua-JAPAN)

ALGERIA

11715 2345 Radiodiffusion Television Algerienne: Ar singing, instr mx (322 8/7 Bixby-CA)
15420 1835 RTVA: Ar w/ local stringed mx, chants (322 8/7 Bixby-CA); (333 1945 8/5 Beal-WA)

ASCENSION ISLAND

15105 1200 BBC, Atlantic Relay: Eng/Fr language lesson (342 7/18 Zilmer-WI);(333 2050 Eng 7/14 Shaw-PA)
15400 1200 BBC, Atlantic Relay: Eng nx, mx, to Afr, f/out (other QTH Cypress (343 8/4 Naylor-CA);(323 7/13 Smith-FL)

BENIN

4870 *0515 La Voix de la Revolution Populaire Beninoise: Fr w/ tuning signal @ 0508, IS @ 0511 (2 drum melodies), anthem @ 0513, OM s/on w/ fqys @ 0514. IDs as "du Benin", revolutionary chants and choruses (454 8/2 Watts-IN);(322 8/8 Beal-WA); (343 7/14 Breeden-MS);(232 8/6 Fisher-CT);(444 7/30 Sapsford-ENGLAND);(343 2300* 7/19 Straumanis-IL)

BOTSWANA

4845 0620 R. Botswana: Setswana w/ rock mx, booming drums, singing, fading in and out to 0700 (222 8/8 Beal-WA)

CAMEROON

4972.5 2230 R. Yaounde: Fr w/ native mx, American mx, tlk, 2300* w/ ID, anthem (343 7/17 Shepard-NY)
5010 1935 R. Garoua: Arw tlk (333 7/20 Sapsford-ENGLAND);(354 0505 in Fr 7/17 Watts-IN)

CANARY ISLANDS

11800 2300 R. Nacional de Espana, Tenerife: Sp tlk to cAm (222 8/2 Beal-WA)
11810nf 2100 RNE, Tenerife: Sp w/ IS, ID, nx, move up from 11800? (333 8/5 Beal-WA)
15355nf 0122 RNE, Tenerife: Sp pgm on KGEIs fgy, almost as strong, not on 15365 or 15375, Canary seems more probable (8/4 Hauser-TN)
15365 0020 RNE, Tenerife: Sp nx, mx (222 7/14 Gebhardt-IA);(344 7/14 Breeden-MS) Really movin' around. rfb.

CENTRAL AFRICAN REPUBLIC

5038 0502 Radiodiffusion Nationale Centrafricaine: Fr tlk, afro mx (544 7/17 Watts-IN);(332 0525 7/17 Earhart-PA);(333 1950 7/30 Sapsford-ENGLAND);(453 2355* 8/7 Gaffin-NY)

CHAD

4904.5 *0427 Radiodiffusion Nationale Tchadienne: Fr w/ IS, anthem, ID, tlk, lt mx (322 8/8 Shepard-NY);(444 2030 7/30 Sapsford-ENG)

CONGO, PEOPLE'S REPUBLIC OF THE

4765 2100 Radiodiffusion Television Congolaise/La Voix de la Revolution: Fr nx (333 7/30 Sapsford-ENGLAND)
4770 0430 RTVC: Fr/Vern tlk, afro mx, nx @ 0500, sked for 4765 (453 8/2 Watts-IN)
15190 2038 RTVC: Fr tlk, mx, drama? @ 2300 (343 8/1 Licklider-MA);(455 8/1 Watts-IN);(333 8/1 Butterfield-MA);(333 8/6 Beal-WA); (353 7/6 Fowler-ONT)

EGYPT, ARAB REPUBLIC OF

9455 0445 R. Cairo (HS): Ar pgm, listen for cuckoo sigs within pgm (555 7/13 Watts-IN)
9475 *0200 R. Cairo: Eng w/ mx, nx (333 7/12 Bader-CA);(Bethge-MO); (MacCoy-NJ);(Stephenson-CA);(Earhart-PA);(Prater-OR);(Watts-IN);(Straumanis-IL);(Young-NJ);(Redman-IL);(Buehler-MO)
12005 2050 R. Cairo (HS): Ar mx, nx (444 8/1 Sapsford-ENGLAND);(433 7/11 Bixby-CA);(433 8/1 Stuart-MA)

ETHIOPIA

- 7165 *0400 ETLF: Eng w/ s/on, nx headlines, w/out by RM (333 8/6 Butterfield-MA);(333 ?? Korinek-CZECHOSLOVAKIA);(211 0409 8/3 Kukan-NJ)
 11910 *1945 ETLF: Eng s/on (222 7/30 Licklider-MA);(322 7/29 Shepard-NY)
 15250 0430 ETLF: Ar rel tlk (344 ?? Korinek-CZECH);(433 8/12 Beal-WA)

EQUATORIAL GUINEA

- 4926t 0515 R. Ecuatorial: U/lang w/ afro mx (142 7/18 Breeden-MS)

GABON

- 4777 1945 Radiodiffusion Television Gabonaise, Libreville: Fr tlk w/ western type mx (333 8/1 Sapsford-ENGLAND)
 4830 1935 RTVG, Franceville: Fr w/ afro mx (333 8/1 Sapsford-ENGLAND)

GHANA

- 4915 0607 Ghana Broadcasting Corporation 1, Accra: Eng nx (232 7/14 Breeden-MS);(Straumanis-IL);(Famularo-NJ);(Sapsford-ENGLAND)
 4980 2000 GBC 2, Ejura: Eng nx (444 7/30 Sapsford-ENGLAND)
 6130 2140 R. Ghana (GBC): Eng nx (333 7/23 Young-NJ);(433 8/2 Zilmer-WI)

GUINEA-BISSAU

- 5041 0640 R. Bissau: Port w/ fast instr, bad het (232 8/6 Fischer-CT)

IVORY COAST

- 4940 0640 Radiodiffusion Television Ivoirienne: Fr tlk // 7215 (242 7/11 Breeden-MS);(Watts-IN);(433 7/18 Bixby-CA);(Nebron-CA)
 11920 1916 RTVI: Eng nx (432 7/17 Mahaffey-OH) and in Fr (Butterfield-MA);(Stuart-MA);(Beal-WA);(Bodell-OR)

KENYA

- 4804 1736 Voice of Kenya: Eng w/ afro mx, 1759 ID as "This is the Voice of Kenya", 1800 time pips, nx (333 7/29 Junqua-JAPAN)

LIBERIA

- 4770 2055 ELWA: Eng rel pgm (333 7/30 Sapsford-ENG);(444 8/3 Shepard-NY)
 11945 2045 ELWA: Eng nx, ID (343 8/3 Thompson-NM);(444 8/7 Laron-PA)
 12000 1695 VOA, Monrovia: Eng ID, afro mx, also on new OOB fqy 9775 (233 7/18 Bodell-OR) OOB = Out of band.
 15445 1655 VOA, Monrovia: Eng w/ Angolan mx (122 7/11 Bader-CA)
 17855 2040 VOA, Monrovia: U/lang w/ mx (333 7/20 Shaw-PA);(333 8/8 Beal-WA)

LIBYAN ARAB REPUBLIC

- 6180 1950 Peoples' Revolution Broadcasting: Ar w/ mx, tlk to past 2230 BBC MS has s/off now at 2300 (322 8/12 Butterfield-MA)

MALAWI

- 3380 2152 Malawi Broadcasting Corporation: Eng pgm (121 ?? Korinek-CZECHOSLOVAKIA)

MALI

- 4783 0615 Radiodiffusion du Mali: Fr nx, ID "R. Mali" (343 7/17 Breeden-MS)

MAURITANIA

- 4845 0557 Radiodiffusion du Mauritanie: Ar w/ guitar IS, tlk, chants (344 7/14 Breeden-MS);(Fischer-CT);(Famularo-NJ);(Beal-WA);(Sapsford-ENGLAND);(Redman-IL)

MOROCCO

- 9615 2140 Radiodiffusion Television Marocaine: Ar mx (544 7/21 Watts-IN);(343 7/13 Breeden-MS);(242 7/28 Trautschould-WI);(433 0100* 7/12 Bixby-CA)
 11760 2045 VOA, Tangier: Eng w/ jazz (222 8/5 Beal-WA)
 15420nf 2131 RTVM: Ar singing, 2200* (--- 7/20+ Bodell-OR)

MOZAMBIQUE

- 3210 1718 R. Mocambique: Port MOR mx, 1729 ID, 1730 nx (222 7/29 Junqua-JAPAN)
 3276.2m 1654 R. Mocambique, Beira: Nyanja w/ mx, anthem 1658, 7 pips @ 1700 and off (322 8/2 Junqua-JAPAN)
 4865 0530 R. Mocambique: Vern w/ drum mx, chants, tlk (555 8/6 Wyllie-MA);(333 7/30 2045 Sapsford-ENGLAND)
 11820 0518 R. Mocambique: Afrikaans? tlk (333 8/6 Bodell-OR) Believe they do now broadcast in Afrikaans. rfb.

NIGER

- 5020 *0528 Office de Radiodiffusion Television du Niger: Fr w/ anthem, flute IS, tlk, mx (132 7/11 Breeden-MS);(333 7/30 Sapsford-ENGLAND)

NIGERIA

4990 0502 Nigerian Broadcasting Corporation, Lagos: Eng w/ Hausa? chants, nx (333 8/4 Agner-NJ)
 7275 0630 Voice of Nigeria (NBC): Eng intvw (333 8/5 Young-NJ);(323 7/26 Brookwell-CA)

RWANDA

7225 *0430 Deutsche Welle, Kigali: Eng s/on, nx (545 8/2 Watts-IN); (353 0430 7/3 Fowler-ONT)
 15410 2230 Deutsche Welle, Kigali: Germ tlk on ol' German town (555 7/11 Somers-C.);(333 7/11 Bader-CA)
 17765 1230 Deutsche Welle, Kigali: Eng tlk, ID, nx to Afr (353 8/1 Famularo-NJ);(454 7/6 Smith-FL)

SAO TOME E PRINCIPE

4807 2050 R. National de Sao Tome e Principe: Port w/ pgm chatter, mx, reactive since 3/76 (222 7/30 Sapsford-ENGLAND)

SENEGAL

4890 *0558 Radiodiffusion du Senegal: Fr IS, anthem, ID @ 0600 (243 7/17 Breedan-MS);(333 8/4 Shepard-NY);(333 2035 7/31 Sapsford-ENGLAND)

SEYCHELLES

11810 0412 Far East Broadcasting Association: U/lang w/ IS, IDs to 0415, tlk, mx, QSled in 16 days (243 7/18 Breeden-MS)
 11870 *1259 FEBA: U/lang w/ IS, ID, tlk, mx (342 7/17 Makishima-JAPAN)

SIERRA LEONE

3316 0640 Sierra Leone Broadcasting Service: Vern w/ tlk, ads (332 7/10 Bixby-CA)

SOMALIA

9585 1800 R. Mogadishu (SBS): Somali w/ mx, tlk, nx @ 1850 w/ ID (433 8/10 Butterfield-MA);(323 1849 7/30 Getzel-NY);(353 1925 on 9586m7/11 Earhart-PA);(211 1937 8/7 Baron-PA);(544 1940 8/1 Famularo-NJ);(343 1959 7/12 Breeden-MS);(--- 1630 on 9585.8m 7/31 Hauser-TN)

SOUTH AFRICA

3250 1715 SABC, Springbok: Eng ads, tlk (422 7/24 Junqua-JAPAN)
 3320 0430 SABC: Eng nx, mx, comtry (555 8/7 Wyllie-MA);(332 0415 in Afrikaans 8/4 Gaffin-NY)
 3980 0447 SABC, Springbok: Eng/Afrikaans w/ ads, tlk, mx (333 7/3 Naylor-CA) Too old! rfb.
 4875 0342 R. RSA: Eng w/ pop mx, nx to eAfr (323 7/21 Straumanis-IL); (Watts-IN);(Sapsford-ENG);(Fowler-ONT)
 11750 2318 R. RSA: Eng w/ mx, nx (444 8/6 Baron-PA)
 11890nf 2230 R. RSA: Eng nx to NAM, to 2320*, ex 11900 (433 7/17 Zilmer-WI);(--- 7/17 Hauser-TN) // 9585,5980
 15220 0611 R. RSA: Eng s/on to wAfr (232 7/18 Baker-IL);(353 7/18 Earhart-PA)
 21535 1550* R. RSA: Eng tlk on shipbuilding (253 8/8 Gaffin-NY)

TOGO

5047 *0527 Radiodiffusion du Togo: Fr w/ IS @ 0527, hymns @ 0529, ID "Ici Lome" @ 0530, mx (232 7/17 Breeden-MS);(333 7/30 Sapsford-ENG);(444 7/17 Watts-IN);(444 8/1 Sheppard-NY)

TUNISIA

7275 0446 Radiodiffusion Television Tunisienne: Ar mx, also at 2125 (534 watts-IN);(422 2255 7/11 Breeden-MS)
 15225 2045 RTVT: Ar drama, tlk (333 8/6 Beal-WA);(322 7/27 Getzel-NY)

UGANDA

15325 1800 Uganda Broadcasting Corporation: Eng to Eur (232 ??/?? Korinek-CZECHOSLOVAKIA)

UPPER VOLTA

4815 2215 Radiodiffusion Television Voltaïque: Fr w/ afro/arab mx (222 7/19 Shepard-NY);(333 8/1 1940 Sapsford-ENGLAND)

ZAIRE

15350 2031 La Voix du Zaire: Fr w/ afro mx (455 8/1 Watts-IN);(Somers-CA);(Gebhardt-IN);(Beal-WA);(at 0200 Bozell-OR) // 15245

Wow! Out of room. A record number of loggings, please understand if you don't see all your loggings listed, it was impossible to do so, and I still went a page over even after drastic cuts. A quick thanks to new rpters Gary Bader, Glen Benson, Chas Hutchins, Zdenek Korinek, Bob Kukan, Gary Lull, Steve Nordancraft, Wade Prater, and Susan Wyllie.

ASIA-OCEANIA

BOB BODELL - EDITOR
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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

OCEANIA

AUSTRALIA

4920	0900	322	NY	ABC-Brisbane: EE nx, ID (Tannenwald 7/3)(Cleveland CA)
5995	1030	333	CA	RA (L): EE w/ "Countdown", pop mx (Miller 7/27)
6005	1130	312	MS	RA (L): EE nx, // 5995, Reloj QRM (Jones 7/21)
6090	1135	343	MS	ABC-Sydney: EE w/ organ mx (Jones 7/28)
6140	1342	--2	CA	ABC-Perth: EE w/ C&W mx, // 9610 (Cleveland 7/27)
7235	0955	433	ME	RA (S): EE prgm (Hutchins 7/16)(Sapsford)(Brookwell)
9515	2229	111	IN	RA (S): EE tlk (Watts 7/16)(@ 0644 Young NJ)
9560	1300	333	MN	RA (C): IS, Cantonese tlk, Chi mx (Miklejewski 7/25)
9580	1115	444	QUE	RA (S): EE prgm on industries (Freed 8/10)(@ 1201 Davis KY)(@ 1158 Watts IN)(@ 1120 Miller CA).....
9610	1455	242	CT	ABC-Perth: EE w/ mx, ID "ABC Radio" (Meehan 8/7) (Shaw CA)(Miller CA)(Naylor CA)(Cleveland CA)(Yajko)
9660	1308	233	MN	ABC-Brisbane: EE nx by OM, mx (Miklejewski 7/25)
9760	*1258	453	JPN	RA (S): IS, JJ w/ nx, "Band Time" (Makishima 7/19)
9770	1232	333	PA	RA (S): EE w/ Australian nx, // 9580, 9515 (Yajko)
11725	1915	343	CA	RA (S): EE w/ pop mx (Grenier 7/11)
11780	0450	454	CA	RA (S): EE tlk (Bader 7/12)(Grenier CA)(Watts IN)
11810	*1300	322	JPN	RA (S): JJ ID, tlk, nx (Makishima 7/13)
11845	0605	253	NY	RA (S): FF pops (Gaffin 8/8)(EE @ 0400 Bader CA)
11935	0945	434	OR	RA (C): Indo tlk, pop mx, ID (Bodell 8/16)
15140	0530	232	OR	RA (S): EE pop mx, ID (Jessen 7/14)
15160	0400	243	NY	RA (L): EE nx, cmty, mx (Shepard 8/8)(Gaffin NY)(Watts IN)(Gebhardt IA)(Shaw PA)(Stephenson CA)(Famularo NJ)
15190	0440	554	CA	RA (C): EE mx, tlk (Miller 7/18)
15240	0426	---	TN	RA (L): "Calling Antarctica" in EE, then 0430 FF, back to G.S. @ 0445, // 15290, Fri. only (Hauser 7/23), EE to Pac. (Sapsford @0700)(Shaw @ 0510)(Brookwell @ 2400
15290	0247	---	TN	RA (S): "Calling Ant." 0300-30, also 0400, 0900 on 49mb (Hauser), EE @ 0430, PF @ 0530 (Shaw PA)(Watts IN)
15320	0120	343	MO	RA (S): EE 0100-0300, PF 0000-0100 & 0430-0630 (Buehler 7/27)(Freed QUE)(Trautshold WI)(Maccoy NJ)(Bader CA)(Grenier CA)(Gebhardt IA)(Watts IN)(Shaw PA)(Yajko PA)
15355	0550	151	IN	RA (S): EE to SEA (Watts 7/31) / (Harding)
15410nf	0700	222	ENG	RA (C): EE 0030-0800, ex 15415 (Sapsford)(Miklejewski)
15425	0615	???	WA	ABC-Perth: ID "You are listening to ABC-Perth" (Beal)
17795	0240	153	NY	RA (S): "DXers Calling" (Gaffin 8/8), EE 0100-0300, PF 0000-0100 (Bethge MO)(Shaw PA)(Thompson)(Famularo)
17870	0140	232	PA	RA (S): EE w/ ID (Shaw 7/21)(@ 0700 Sapsford ENGLAND)

NEW CALEDONIA

7170 1015 433 ME R. Noumea: FF w/ play, pop mx, nx, IDs (Hutchins 7/28) (Lausevich WI @ 0720)(Dean CH @ 1021)(Brookwell CA)

N.Z. BROADCASTING CORPORATION

NEW ZEALAND

6105 0544 222 CA RNZ: EE relay National Prgm (Brookwell 7/17)(@ 1005 Hutchins ME)(@ 1023 Jones MS)(@ 1051* Perry QUE).....

9585 0458* 343 PA RNZ: Olympics nx, wx (Earhart 7/25)(Shaw CA)(Miller CA)

11705 0450* 444 MN RNZ: sprts, freqs, IS (Miklejewski)(Hauser)(Earhart)

NEW ZEALAND (continued)

15130 0319 --- TN RNZ: Sunday sprts Special (Hauser 7/11)(Watts IN)
(Shaw PA)(Perry QUE)(Zilmer WI)(Thompson NM)(Jessen OR)

PAPUA NEW GUINEA

4890 0940 242 NY NBC: EE nx, mx, ID (Shepard 7/20)(Tannenwald NY)
9520 0631 423 OR NBC: EE pop mx, ID, KGEI QRM (Jessen 8/5)(Beal WA)
9780 0725 433 WA NBC: 2 x 4890, much better! (Beal 6/17)

NATIONAL BROADCASTING COMMISSION-PORT MORESBY

SOCIETY ISLANDS

11825 & 1600- 344 OH R. Tahiti: FF/Tahitian w/ FF/EE pop mx, island mx
15170 0730 (Mahaffey 7/17)(Bader CA)(Hutchins ME)(Gaffin NY)(Watts IN)(Grenier CA)(MacCoy NJ)(Breeden MS)(Owsley CA)(Shaw PA)(Stuart MA)(Hauser TN)(Young NJ)(Trautschold CA)....

SOLOMON ISLANDS

5020 0650 322 OR SOLOMON ISLANDS INFORMATION & BROADCASTING SERVICE
SIIBS: EE/Fidgin mx, nx, ID (Jessen 8/1)(Brookwell CA)

RADIO Afghanistan

ASIA



AFGHANISTAN (Afghanestan)

3390 1547 222 JPN RA: subcont mx, 1600 ID, nx, // 4775v (Junqua 7/21)

BRUNEI

7215 1350 222 WA RB: EE requests, pop mx, ID (Beal 8/14)(Cleveland CA)

BURMA (Myanma)

5040 1358 222 CA BBS: Burmese w/ local mx (Cleveland 7/20)

BURMA BROADCASTING SERVICE

CHINA

2600 1309 532 BC PLA 2: Amoy tlk by OM (Newell 8/11)
3000 1324 ??? BC PLA 1 (L): CC chorus, tlk (Newell ??)
3200 1316 533 BC PLA 2: Amoy tlk by OM (Newell 8/11)
3310 1156 333 CA Jilin JKT, Changchun: CC tlk, TC, "Intern." (Naylor)
3400 1345 --2 CA PLA 2: Amoy tlk by YL (Cleveland 8/3)
3452 1333 443 BC Beijing (CPBS) 1: CC w/ YL murmurs (Newell 8/11)
3535 1336 544 BC PLA 1: CC w/ YL chat, het. (Newell 8/11)
3900 1335 343 CA PLA 2: Amoy tlk by YL (Cleveland 7/21)
4020 1225 333 WA R. Peking: CC mx, tlk by YL (Beal 8/14)
4045 1250 333 CA PLA 1: CC tlk, reed flute mx (Naylor 7/29)
4068 1240 222 WA Huhehaote w/ CC/Mongol tlk, mx (Beal 7/26)(Cleveland)
4110 1247 332 WA Xinjiang JKT, Wulumuqi: CC tlk, sad mx (Beal ??)
4500 2050 212 ENG RP via Wulumuqi: RR tlk, mx, distorted (Sapsford 8/2)
4520 1346 333 BC CPBS? CC w/ orch mx (Newell 8/11) Donsheng on 4525?
4620 1255 433 WA RP: CC w/ orch mx, drama (Beal 8/14)
4800 2055 222 ENG Beijing 1: CC mx, nx (Sapsford 7/30)(Beal WA @ 1305)
4865 2100 232 ENG Gansu JKT, Lanzhou: CC nx, then mx (Sapsford 7/31)
4925 1416 533 BC Heilongjiang JKT, Ha'erbin: CC tlk, hets (Newell 8/11)
4952 1413 222 BC Xilinhaote w/ CC tlk, Malaysia QRM (Newell 8/11)
4975 1410 433 BC Fuzhou 1: CC tlk by YL, RTTY QRM (Newell 8/11)
5075 1335 322 WA Beijing 2: mixed chorus w/ patriotic mx (Beal 8/14)
5163 1345 444 CA Beijing 2: CC tlk, classical mx (Miller 7/18)
5240 1420 322 WA PLA 1: CC vocals, tlk by YL (Beal 7/25)
5935 1035 222 WA Laas (t) w/ CC annx, C&W mx (Beal 8/14)
5950 1418 333 CA Ha'erbin w/ CC tlk by YL (Shaw 7/23)(Beal WA @ 1010)
6000 1040 222 WA Zhejiang JKT, Hangzhou (t): CC tlk by YL/OM (Beal 8/14)
6290 1348 --2 CA RP: EE to SEA, IDs, tlk, // 6590 (Cleveland 7/23)
6400 1100 332 WI RP: IS, then tlk in u/lang (Zilmer 8/1)
6540 1100 342 WI RP: IS, then OM tlk in u/lang (Zilmer 8/1)
6645 1403 533 BC Beijing w/ Kazakh pgrm (Newell 8/3)
6665 1400 555 BC Beijing 1: CC w/ YL annx, ID, tlk (Newell 8/3)
7035 0945 222 WA RP: EE ID, tlk, CC mx (Beal 8/9)
7190 1144 232 QUE Beijing 2: CC tlk by YL (Freed 8/10)
7280 0800 222 CA PLA 2: Amoy w/ singsong tlk (Brookwell 7/15)
7315 1550 332 CA RP: CC cmtry by YL/OM (Miller 7/26)
7504 1326 533 BC Beijing 1: CC w/ OM chats (Newell 7/5)
7775 1329 554 BC Beijing 2: CC w/ "Internationale", IDs (Newell 7/5)
9020 1420 332 BC Beijing 2: CC w/ YL opera mx (Newell 7/5)(Shaw CA)
9064 1530 333 CA Beijing 1: OM singing in CC (Shaw 7/25)
9170 0335 222 WA RP: SS w/ cmtry on earthquake by YL (Beal 8/1)

CHINA (continued)

9240 1425 443 CA RP: CC mx, tlk, march mx (Miller 7/27)
 9380 *1205 333 MN RP: "East is Red", Amoy tlk (Miklejewski 8/6) 9365L
 9470 2212 333 NJ RP: Asian lang w/ CC mx, "Intern.", 2225* (Famularo)
 9520 0145 322 QUE RP: EE tlk on languages (Freed 8/10)
 9900 1501 434 CA RP: JJ tlk by OM, "Internationale", 1525* (Naylor 7/24)
 9940 0003 333 NJ RP: EE nx (Young 8/5), CC @ 1405 (Naylor CA)
 9965 1430 444 CA RP: CC or JJ tlk, orch mx, 1500 ID (Naylor 7/24)
 11330 1214 243 MN Beijing 1: CC tlk by YL, // 11290, 5320 (Miklejewski)
 11375 1135 353 MN RP: Italian tlk, CC mx (Miklejewski 7/24)
 11650 2020 333 CA RP: EE tlk, IS, IS, 2028* (Bader 7/11)
 11685 1223 433 MS RP: EE w/ new "Let's Learn to Speak Chinese" (Jones)
 11695 1531 433 NJ RP: FF tlk by OM (Famularo 8/1)
 15045 0135 353 PA RP: SS tlk (Yajko 7/22)
 15060 *0000 232 NJ RP: EE to NA, earthquake nx (Famularo)(Miklejewski MN)
 (Jessen OR @ 0453*)(Yajko PA)(Earhart PA)(Harding CA)
 15095 0120 333 PA RP: CC tlk (Shaw), SS @ 0012, 0355 (Yajko PA)(Harding)

CYPRUS (Kipros, Greek)(Kibris, Turkish)

6180 2200 422 WI BBC-Limassol: EE nx to Europe (Zilmer 8/9)(Wyllie MA)
 17885 *0900 132 OR BBC: IS, EE ID, WS nx, // 15420 (C) (Bodell 8/16)



INDIA (Bharat)

3268 1521 222 JPN AIR-Kohima: u/lang tlk, local mx (Junqua 7/22)
 9525 2130 --- TN AIR-Aligarh: hard to understand EE tlk, // 9912 (Hauser
 8/4)(@ 2145 Kaufman NY)(@ 1952 Yajko PA)(@ 2200 Zilmer)
 9675 1122 232 OR AIR-Delhi: Bengali tlk, mx (Bodell 8/16)
 9912 2230* 243 MS AIR-Delhi: EE nx, ID, cmtry (Breedon 7/17)
 11740 2130 332 WI AIR-Delhi: local mx, EE ID, nx @ 2200 (Zilmer 7/23)
 15165 0036 221 NJ AIR: Eastern mx, tlk in u/lang (Famularo 8/5)
 15180 0830 444 ENG AIR-Delhi: EE w/ HS nx, cmtry (Sapsford 7/31) 8/16)
 15190 1020 343 OR AIR-Aligarh: EE tlk by YL, Ind. mx, // 11775 (Bodell)

INDONESIA

2350 1538 333 JPN RRI-Yogyakarta: nice local mx, 1551 ID (Junqua 8/5)
 2439^{am} 1521 232 JPN RRI-Surakarta: Indo tlk, 1530 ID, mx (Junqua 8/4)
 2450 1640 443 JPN RRI-Jakarta: Indo w/ "oldies", IS, 1700* (Junqua 8/5)
 3055^{7m} 1443 222 JPN RKPDK Sampang: Indo w/ nice local mx (Junqua 8/6)
 3204^{am} 1537 332 JPN RRI-Bandung: Indo w/ island mx (Junqua 7/31)
 3223 1521 232 JPN RRI-Mataram: "Love Ambon", then off (Junqua 8/6)
 3345 1338 --1 CA RRI-Pontinak: Indo mx (Cleveland 8/5) or Manokwari? reb
 3325 1340 --1 CA RRI-Jember (t): Indo vocals (Cleveland 8/6) o.o.o.
 3385 1340 311 CA RRI-Kupang: Qur'an, mx (Cleveland 7/19) not Miri? reb
 3945 1348 --2 CA RRI-Denpasar: Indo tlk by YL, ARO QRM (Cleveland 7/30)
 3975 1335 --1 CA RRI-Surabaya: Indo w/ local mx (Cleveland 8/5)
 3985 1259 322 JPN RRI-Biak: "Song of Coconut Is.", ID, nx (Junqua 7/23)
 4719 1258 322 WA RRI-Ujung Pandang: Indo w/ "Here Comes the Bride"(Beal)
 4764 1345 --3 CA RRI-Medan: Indo w/ 2 OM tlk (Cleveland 8/2)
 4845 1355 --2 CA RRI-Ambon: Islamic chants (Cleveland 8/2)
 4855 1310 222 WA RRI-Palembang: Indo tlk (nx?) by YL/OM (Beal 8/14)
 4932 1356 --2 CA RRI-Surakarta: US oldies, 1400 Indo nx (Cleveland 8/3)
 5987 1348 --3 CA RRI-Menado: Indo w/ pop mx (Cleveland 7/27)
 7070 1200 422 WA RRI-Jakarta: Indo ID, nx of Timor (Beal 8/14)
 7140 1015 333 CA RRI-Ambon: oldies, Indo mx, 1100 8 chimes (Naylor 7/31)
 9615 0805 333 WA RRI-Jayapura: Indo w/ Aussie pop mx, tlk (Beal 7/21)
 11789 1102 242 OH VOI: EE ID, nx, mx (Dean 8/1), EE @ 1400 (Cleveland CA)

IRAN (Iran)

9022 2004 323 NJ V. of Iran: EE nx (Young 7/21) still on this freq? reb
 11770 2025 333 ENG VOI: Farsi w/ EE annx to NA, // 9765 (Sapsford)(Gaffin)
 11780 2346 243 OR VOI: Persian songs by OM, // 15084 (Bodell 8/6)
 12000^{mf} 0325* 343 WA VOI: EE annx, Tues.-Fri., then into Arabic (Beal 8/6)
 15083^{8m} 1314 --- TN VOI: Farsi tlk, Persian mx (Hauser 7/31)(@ 2340
 Mahaffey OH)(Meehan CT)(Shaw PA)(Tannenwald NY)(Baron
 PA)(Watts IN)(Trautschold WI)(Famularo NJ)(Bixby CA)..
 15315 0918 232 OR VOI: Farsi tlk, Persian mx, Moscow QRM (Bodell 8/16)
 17730 0843 333 OR VOI: Farsi tlk by OM, // 15084 (Bodell 8/16)

ISRAEL (Yisra'el)

7412² *0500 545 IN IBA: EE nx, 0515 FF (Watts 8/6)(Earhart PA)
 9435 *2230 353 NY IBA: EE w/ "Calling All Listeners" (Gaffin 8/8)(Watts
 IN)(Sann NY)(Gebhardt IA)(@ 2000 Miklejewski MN).....



PROPAGATION

FORECAST



Prepared by Doug Snyder

Autumn 1976

Equinoxial greetings! We're finally leaving the summer of '76 behind, and none too soon for me! Although I have seen some excellent loggings appear in SPEEDX, 'twas not too spectacular overall, this 'dx' season; but things are looking up!

There are several improvements in this new supplement, at least I hope they are improvements, so be sure to read the whole thing & examine the nine charts on each page. In fact, there is so much to cover, lets get on with it!

This supplement may be removed from the bulletin without interrupting the continuity, and then placed near your receiver for ready reference; it is valid for September & October; a new supplement will appear in November.

The following two pages contain nine charts each. One page is for listeners on the West Coast (Pacific & Mountain Time) and the other page contains charts for listeners on the East Coast (Eastern & Central Time). The pages are marked 'WCNA' for west and 'ECNA' for east. The charts represent transmission paths between nine areas of the world and the east & west coasts of the U.S. (NOTE: since these are areas and not specific sites, the charts represent average frequencies for that area.)

The charts show an envelope of expected reception. The upper limit of the envelope indicates the estimated Maximum Useable Frequency (MUF) based on a solar activity of 10 (Zurich Sun Spot Count); this corresponds to a Solar Flux Index of 72. It may be said that the MUF is determined, not from a particular frequency beyond which you would suddenly not hear a signal from a certain region, but from a certain signal level at that frequency, under normal propagation conditions. Beyond that frequency, you still might be able to receive stations from a certain area, but the signal level would be significantly less than within the upper portion of the envelope. The MUF is not a constant value; some days it will be somewhat lower and some days it will be higher. The broadcasts over WWV at 14 minutes past the hour will help indicate what days will provide what. On the days that the Solar Flux climbs to about 15 to 30 more units over the current average (at this writing, the Solar Flux is averaging around 70), you can expect the next higher SW band to open up. For example, if the MUF at 0600GMT is 31 meters on a day that has average Solar Flux, on a day the S.F. is 15-30 units higher, the 25 meter band will more accurately reflect the MUF. This should hold true for each increase of 15 to 30 units. During this low period of solar activity, any great and/or sudden increase in the S.F. would also indicate greater flare activity on the sun, therefore most likely causing moderate to severe ionospheric and geomagnetic storms here on Earth, which would cancel the MUF increase by Polar Cap Absorption events and D-Layer absorption. These events will not only lower the MUF, but also increase (to a higher frequency) the Lowest Useable Frequency (LUF) which is indicated by the lower limit of the envelope. This LUF is being roughly estimated for inclusion in these charts on the basis of expected absorption levels and the length of the transmission path.

Along the top portion of each chart is indicated the daylight/darkness pattern between transmitter & receiver. This is another useful propagation aid; the solid black portion indicates darkness at both the transmitter & the receiving sites; the diagonal lines sloping up to the right indicate darkness at the receiver, but light at the transmitter; diagonal lines sloping down to the right indicate darkness at the transmitter, but light at the receiver site. Again, since these charts represent areas, the patterns show average times; for precise times, refer to the SPEEDX Sunset-Sunrise Booklet (newly revised for over 260 sites, computer accurate!). Also, on the patterns, daylight at both trans. & rec. is indicated by the unmarked squares of the grid. You'll notice that for the charts of Central & South America, I have shown two time patterns due to the large area covered; the top is for Central America & western S. America; the bottom is for the rest of S. America.

Next to the area named on the charts, you will notice some of them marked

with one or two astericks ('+' is used for Midwest); these indicate what areas in which the signal travels through the Auroral Zone in route to the receiver. The A.Z. is an area that surrounds the Geomagnetic North Pole & which affects signals passing through it; one asterick or + sign indicate that the signal passes through the zone for 40% or less of the total path length; two astericks or + signs indicate more than 40% of the path length is through the A.Z.; the further a signal travels thru the A.Z., the more it is deteriorated, depending upon the amount of geomagnetic activity. The A.Z. is also not a constant variable; it not only gets stronger or weaker, it also expands and contracts depending on geomagnetic activity, which brings me to the next topic.

Since the demise of the GeoAlert broadcasts over WWV, approximately the same info can be gleaned when listening to the 4-hour forecasts at 14 minutes past the hour. The previous day's Solar Flux is announced, as well as the K-index, which is updated every 3 hours. The K-figure is a measure of variation, or disturbance in the earth's magnetic field during a three hour period. The K-scale is a quasi-logarithmic scale which allows a wide range of geo. activity to be expressed by a single digit. The K-figures range from 0 (very quiet) to 9 (extremely disturbed). In general, K-figures of 0 to 3 are considered to be quiet & figures of 4 to 9 are considered disturbed, but in some instances a value of 3 or 4 may be interpreted to indicate unsettled conditions-somewhere between quiet & disturbed. For do-it-yourself forecasters who prefer to use (or who have based their comparisons on) A-indices, the K-figures can be converted to 3-hour A-indices by use of the following: a K of 0 = an A of 0; K,1=A,3; K,2=A,7; K,3=A,15; K,4=A,27; K,5=A,48; K,6=A,80; K,7=A,140; K,8=A,240; K,9=A,400.

Auroral displays, as well as magnetic and ionospheric storms occur most frequently around equinoxial periods. This is because of the fact that during the end of a solar cycle, which we are now enduring, the sun spots occur close to the sun's equator and during the spring & fall, the earth passes through the equatorial plane of the sun; any disturbances during this time will most likely show up in the ionosphere and the geomagnetic field.

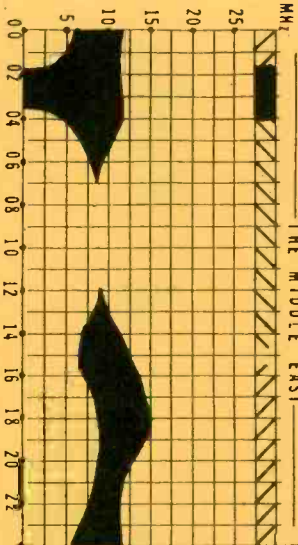
A total solar eclipse will occur on Oct. 23, 1976. This will be a great time for dx'ers to aid in the study of propagation effects. Dr. David Meisel of the Dept. of Physics & Astronomy, State Univ. College, Geneseo, N.Y., 14454 will be studying this eclipse and its associated propagation effects. He would greatly appreciate hearing from dx'ers concerning the following transmissions which might be affected by the eclipse: R. Tanzania on 3339kHz, 4825kHz & 5050kHz from 0300-0500GMT; Australian stations at Perth on 9610kHz & 15425kHz from 0430-0730GMT, Sydney on 6090kHz from 0530-0800GMT; Lyndhurst on 15145kHz, 0530-0800GMT; also on 15335kHz & 17780kHz from 0530-0730GMT; on 15190kHz from 0600-0800GMT; Melbourne on 6090kHz, 9680kHz & 15230kHz from 0530-0800GMT; finally, time station VNG on 7500kHz & 12000kHz from 0530-0800. He would appreciate the monitoring of one or more of these stations on the following dates at the above times- Oct. 22, 23 and 24. This will provide signal strength information on the day before the eclipse, the day of the eclipse, and the day after. They are interested in quantitative measurements of signal strength during the monitoring periods mentioned. I partook of this study during the last total solar eclipse in June 1974 and it was very interesting. The eclipse in Oct. will take place at the following times on the 23rd: begin eclipse at 0239GMT; end eclipse at 0748GMT. The path of total eclipse will begin in central Africa, will cross the Indian Ocean, the south-eastern coast of Australia and will end in the Tasman Sea northwest of North Island, New Zealand. Dr. Meisel would appreciate receiving signal strength information (at the above address) for these three days of monitoring. Receipt will be acknowledged with a special verification. Return postage or IRCs would be appreciated if airmail reply is desired. (I received their last QSL and it is indeed unique.) I urge you to participate if you have the time.

Let me quickly give a summary of time shifts on the lower bands: best reception time for stations to the east of your location is the period right after local sunset & until sunrise (longer as freq. increases) at the transmitter location. Stations located to the west of you will be heard from the time of their sunset until sunrise at your receiver. For signals coming from the south, the best time is usually an hour after sunset to about an hour before sunrise. The stations that are not due south will fade in in this manner at sunset: signals from the SE will be heard first, then south, then finally SW (southwest). At daybreak, you can expect the opposite when they fade out-that is, the SE fading first, followed by the south and southwest.

As this is being prepared, there is the very unfortunate possibility that WWV will be dropping the forecast announcements at 14 minutes past the hour. Listen to WWV at 1 min. past the hour for a possible announcement on this; I urge you to write the Secretary of Commerce and your congressman on this matter; it is the only daily information available and very useful to many SWL's and ham's. My letters have been sent out; have yours? Best of dx to all and I hope you find the charts helpful. I'll be back in November.

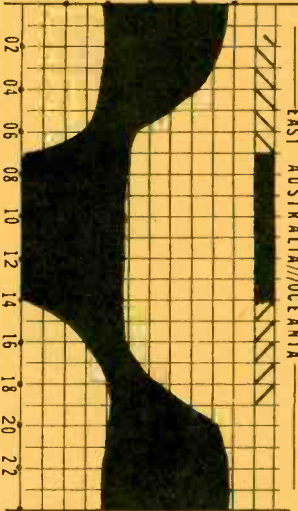
THE MIDDLE EAST**

(WCNA)

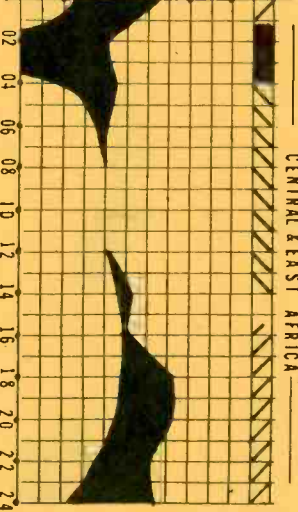


ALL TIMES IN GMT
EAST AUSTRALIA//OCEANIA

(WCNA)



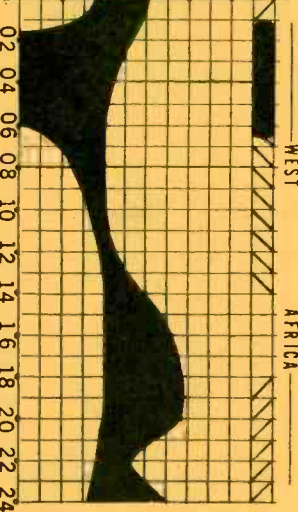
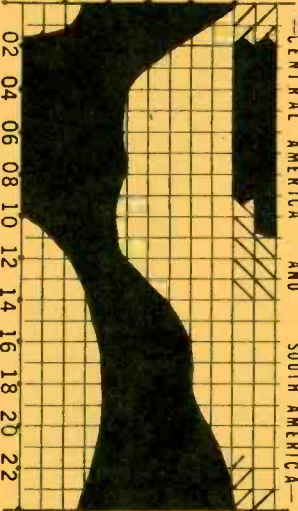
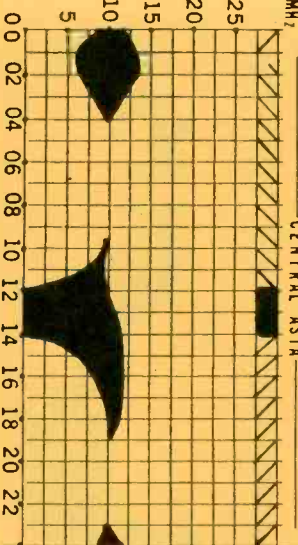
CENTRAL & EAST AFRICA*



CENTRAL ASIA*

CENTRAL AMERICA AND SOUTH AMERICA

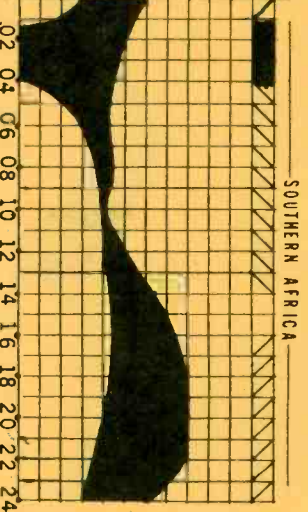
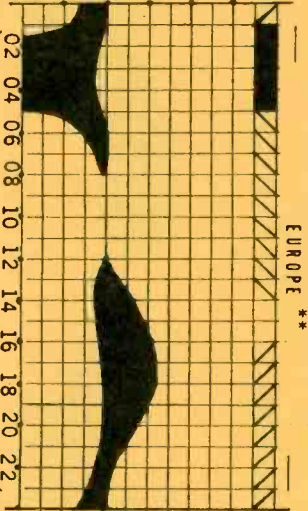
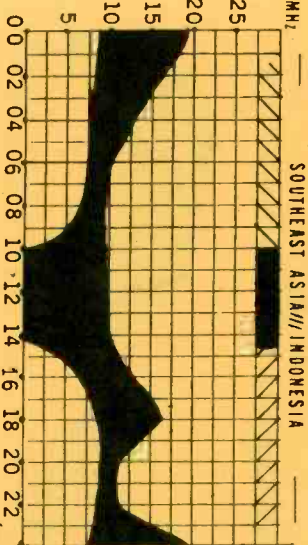
WEST AFRICA



SOUTHEAST ASIA//INDONESIA

EUROPE**

SOUTHERN AFRICA



(WCNA)

(WCNA)

ALL TIMES IN GMT

ISRAEL (continued)

11645	2003	232	CA	IBA: EE nx (Bader 7/11)(Grenier CA)(Baker IL)(Birby CA)(Fischer CT)(Baker IL)(Gebhardt IA)(Licklider MA).
11700ul	2158	322	WI	IBA: IS, PF prgm, under Moscow (Zilmer 7/17)
11945	2019	343	OH	IBA: EE w/ listener's letters, 2030 PF (Dean 7/18)
11960	0345	222	NY	IBA: RR tlk, ID (Kaufman/Hansen)(Beal WA)(Watts IN)
12077	2247	333	QUE	IBA: Hebrew HS, 2305* (Freed 7/31)(Perry QUE)(Zilmer)
15100	1205	333	PA	IBA: EE, also 2000, 0500 (Shaw 7/14)(Hutchins ME)(Yajko PA)(Watts IN)(Perry QUE)(Harding PA).....
15512	1645	232	IA	IBA: Hebrew HS w/ ads, TPs, ID, mx (Gebhardt 7/14)
15540	2000	444	ENG	IBA: EE annx, //s (Sapsford 8/3)(Earhart PA)(Famularo)
17685	1200	454	FL	IBA: EE w/ tlk, mx, ads (Smith 7/10)(@ 2005 Yajko PA)
17815	1820	253	WI	IBA: RR tlk, nx, ID, IS (Trautschold 7/28)(Beal WA)

IRAQ

9745	1928	322	NY	RBI: AA, 1930 EE w/ ID, nx (Shepard)(Breedon MS)(Baron)
11785	1805	333	OR	RB: AA w/ nx by OM (Bodell 8/17)

JAPAN

3910	1310	544	BC	FEN: EE nx, wx (Newell 8/3)(Cleveland CA)
3925	1445	443	CA	Nihon Short-Wave Broadc. w/ JJ Sumo wrestling (Miller)
5990	1000	434	CA	R. Japan: EE w/ "Current Topics", CB QRM (Miller 7/27)
6055	1046	434	MS	NSB: "Let's Learn JJ", ads (Jones 7/13)(Newell BC)
7285	1210	222	WA	NHK-Yamata: JJ w/ mx, tlk by YL/OM (Beal 8/14)
9505	1600	343	CA	RJ: EE w/ Asian nx (Grenier 7/17)(@ 1407 Cleveland CA) (@ 1418 Shaw CA)(@ 1500 Kummer KY)(@ 0600 Miller CA)
9585	1201	333	MS	RJ: EE cmtry (Jones 8/5)(Stephenson CA)(Jessen OR)
9595	1455	444	CA	RJ: EE/JJ lang lessons, JJ mx (Cleveland 7/20)
9670	1500	333	CA	RJ: KK/JJ lang lessons (Brookwell)(Miklejewski)(Naylor)
11705	2030	343	CA	RJ: EE "Tokyo Calling" (Bader 7/11)
11815	1600	323	CA	RJ: EE w/ Asian nx (Grenier 8/8)
15105	2200	211	IA	RJ: EE nx by OM (Gebhardt 7/13)(Bader CA)(@ 0400 Watts)
15195	0225	333	PA	RJ: EE ID cmtry (Shaw 7/23)(Thompson NM)(Gebhardt IA)
15270	2340	222	NY	RJ: EE to NA, 0045* (Shepard 7/24)(Watts IA)(Famularo)
15300	2345	343	MO	RJ: EE annx, // 15270 (Buehler 7/27)(Young NJ)(Jessen)
15310	*0400	242	CA	RJ: EE nx (Harding 8/3)(@ 0800 Jessen OR)(Sapsford ENG)
15325	0645	322	WA	RJ: Port prgm, 0700 Ger prgm (Beal 8/7)
15430	0800	333	ENG	RJ: EE to Europe, // 15325 (Sapsford 8/3)(Beal WA)
17825	0220	343	CA	RJ: EE nx, ID (Bader 7/12)(Shaw PA)(Miller CA)

RADIO JAPAN
NIPPON HOSO KYOKAID. P. R. KOREA

2745	1312	543	BC	KCBS-Sinuju: KK tlk (Newell 8/11)
2850	1314	533	BC	KCBS-P'yongyang: KK tlk, RTTY QRM (Newell 8/11)
3018	1319	533	BC	R. P'yongyang: JJ tlk (Newell 8/11)
3033	1318	553	BC	KCBS-Wonsan: KK tlk by OM, het. (Newell 8/11)
3560	1330	533	BC	RP: EE to NA, tlk, ID (Newell 8/11)(Cleveland CA)
6540	1346	554	BC	RP: JJ tlk by YL, orchestral mx (Newell 8/3)
7205	0950	???	WA	RP: SS w/ ID "Aqui R. P'yongyang" (Beal ??)
7580	1335	--2	CA	RP: EE w/ YL vocals, ID, // 3560 (Cleveland 8/4)
9415	1616	444	CA	RP: RR w/ OM tlk (Shaw 7/24) / (Zilmer)
9510	1100	323	IL	RP: JJ w/ IS, NA, tlk (Baker 7/19)(Makishima JPN)
9820	0710	222	WA	RP: EE nx, cmtry by YL (Beal 8/9)
9975	1825	353	BC	RP: EE w/ mx (Newell 8/7) nominal 9977, reb
11350	1150	343	MN	KCBS-P'yongyang: KK tlk, march mx, TPs (Miklejewski)
11535	*1200	242	WI	RP: CC w/ IS, ID, tlk (Zilmer 8/5)(Cleveland CA)
15650	2229	343	NJ	RP: KK w/ "...P'yongyang Nida", NA, 2230* (Famularo)

REP. OF KOREA

6348	1045	442	WI	R. Echo of Hope: KK w/ tlk by YL, mx (Zilmer 7/11)
9640	1532	433	CA	RK: EE w/ nx of Korea (Owsley 7/17)(@ 0300 Grenier CA) (@ 1000 Jones MS)(Zilmer WI)(@ 1425 Brookwell CA).....
11850	1000	343	IL	RK: EE "Mailbag", freqs (Baker 7/26)(Thompson NM)
11860	1828	545	MO	RK: EE/KK w/ "Listener's Corner", (Macris 7/26) (Mullen MT)(Grenier CA)(Yajko PA)(Beal WA)(Zilmer WI)

RADIO KOREA

KUWAIT (Al-Kuwayt)

11845	1705	121	NJ	RK: EE nx, requests, pop mx (Young)(Breedon)(Famularo)
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Radio Liban

LEBANON (Al-Lubnan)

11785	2055	111	ENG	RB: SS to SA, weak under DW, Baghdad (Sapsford 7/20)
11795	*1800	222	ENG	RB: AA nx, weak under DW (Sapsford 7/20)

MALAYSIA

3915	1344	--2	CA	BBC-Tebrau: Burmese w/ pop mx, ID, tlk (Cleveland)
4985	1402	--2	CA	R. Malaysia-Penang: B. Malay. tlk, het (Cleveland)
9665	1520	222	WA	RM-KL: mx, 1530 EE nx, wx, ID (Beal 8/3)
9720	1535	322	WA	BBC-Tebrau: EE w/ Jackie Stewart on racing (Beal 8/3)
9740	1530	333	NM	BBC: EE pgrms (Thompson 8/3)(Jessen OR)(Miller CA)
15280	0950	333	ENG	BBC-Tebrau: EE w/ showboat mx (Sapsford 8/2)
15290	0830	333	ENG	V. of Malaysia: EE nx, mx (Sapsford 7/29)

BEG

MONGOLIA

4080	1245	222	WA	Ulan Bator Radio: CC? w/ OM singing (Beal 8/14)
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RADIO PAKISTAN

PAKISTAN (Pakistan)

9445	2115	322	WI	RP: EE/lang w/ ID, nx, to UK (Zilmer 8/7)
9660	1516	333	OR	RP-Karachi: EE nx by OM, // 11672 (Bodell 8/9)
11672m	2115	433	NY	RP-Karachi: EE nx, pop mx (Shepard)(Licklider MA) (Kaufman NY)(Zilmer WI), Turkish @ 1800 (Shaw PA) (Famularo NJ), Urdu @ 2045 (Tannenwald NY)(Yajko PA)
15110	0840	242	OR	RP-Islamabad: Urdu tlk, 1100 EE nx, // 17665 (Bodell)
15325	0157	433	CT	RP-Islama. w/ Indo tlk, EE ID (Brooks)(Mahoney IN)
15520	0515	243	OR	RP-Islama. w/ singing in Urdu by YL (Bodell 8/6)
17665	1630	242	WI	RP-Islama. w/ EE nx, cmtry, 1645* (Zilmer 8/6)

PHILLIPINES

7225	1103	433	MO	FEBC: EE w/ relig. tlk, gospel mx, 1130 into JJ (Macris 7/23)(Mahoney IN)(Baker IL)(Thompson NM).....
9580	1423	333	CA	VOP: EE sprts (Shaw 7/31)(@ 0700 Miller CA)(Makishima)
9650	2129	222	WA	VOA-Tinang: EE w/ ID as Philippines (Beal 7/23)
11890	0900	322	WA	FEBC: EE ID, relig. pgrm, // 11920 (Beal 8/9)
11920	0915	444	CA	FEBC: EE w/ relig. pgrm (Brookwell 8/1)
11930	0738+	333	CA	VOA-Tinang: mx, EE ID, into RR nx (Brookwell 8/3)
11965	0900	333	CA	VOA-Tinang: EE ID, RR tlk (Brookwell 8/3)
15290	0050	343	OR	VOA-Tinang: EE w/ variety show (Jessen 7/28)
15390	0430	232	CA	FEBC: EE nx, relig. pgrm, tlk (Harding 8/5)
15395	2215	222	WA	VOA-Tinang: CC w/ orch. mx, tlk (Beal 8/5)
17765	1000	---	TN	VOA-Tinang: RR, Wash. ID, then power drop in CC(Hauser)
17810	0020	222	OR	FEBC: EE w/ relig. tlk, hymns (Jessen 7/28)

VOICE OF THE PHILIPPINES

RYUKYU ISLANDS

7165	1245	343	NM	VOA-Okinawa: EE w/ "Jazz Hour", ID, TCs (Thompson 8/3)
9560	2135	222	WA	VOA-Okinawa: CC nx?, cmtry by OM/YL (Beal 8/1)

SABAH

4970	1405	--2	CA	R. Malaysia Sabah: BM/EE w/ tlk, // 5980 (Cleveland)
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SARAWAK

RADIO MALAYSIA SARAWAK

3385v	1346	--3	CA	RMS-Miri: relay Kuching, w/ ID, chants, mx (Cleveland)
4835	1550	222	OR	RMS-Kuching: BM w/ chants, IS, NA, 1600* (Jessen 8/8)
4950	1518	232	OR	RMS-Kuching: BM mx, tlk by OM (Jessen 7/30)(Cleveland)
5005	1317	322	WA	RMS-Sibu: B. Malaysia w/ tlk by 2 OMs (Beal 8/14)
5030	1340	322	WA	RMS-Kuching: BM w/ "futeball", large crowd (Beal 8/14)

SAUDI ARABIA

9670	2206	544	IN	BSKSA: AA w/ Common pgrm (Watts 7/21)
9730	2152	534	IN	BSKSA: AA w/ Common pgrm (Watts 7/21) 7/17)
11877	0605	241	WI	BSKSA: AA mx, IDs, cmtry, some EE possible (Lausevich)
15245	*1700	444	OR	BSKSA: Qur'an, AA tlk, 2000* (Bodell daily)

SINGAPORE

5052	1317	323	CA	RS: EE mx, sprts, 1330 ID (Naylor 7/29)(Beal WA)
6155	1125	232	IN	RS: B. Malaysia w/ live "Amateur Hour" (Mahoney 8/12)
11940	1530	333	NM	RS: EE nx, sprts, TCs, vocals (Thompson 7/17)

SRI LANKA (Sri Lanka)

15120	1905	322	PA	SLBC: EE nx by OM, ID?, local mx (Shaw 7/17)
15185	0145	242	MS	VOA-Colombo: EE coverage of Demo Convention (Breedon)
15425	0300	343	NY	SLBC: EE in All Asia Svce w/ DJ request pgrm, relig. pgrm, nx (Shepard 8/8)(@ 0133 Breedon MS)(Baker IL)
17850	1025	242	OR	SLBC: EE tlk on Colombo conf., // 15120 (Bodell 8/16)

SYRIA

9545 2130 211 WI R. Damascus: EE cmtry, mx, 2003 AA (Lausevich)(Baron)

TAIWAN

9685 1430 333 WA VOFC: JJ w/ CC lessons?, IDs (Beal 7/26) **VOICE OF FREE CHINA**
 15125 2316 222 BC VOFC: CC w/ YL chorus (Newell 8/5)
 15270 2325 554 BC VOFC: KK w/ "Yo ki nuen BCC", vocals (Newell 8/5)
 15425 0220 242 CA VOFC: EE w/ folk mx, ID, nx (Somers 8/6)(Birby CA)

THAILAND

11905 1113 232 OR R. Thailand: Thai? tlk by OM (Bodell 8/16)

NITHATPAFA CAD. 37

TURKEY (Türkiye)

9515 & 2203 333 QUE VOT: EE nx, pop mx, DX pgrm (Freed 8/7)(Davis KY)(Dean OH)(Sann NJ)(Bader CA)(Baron PA)(Fischer CT)(Young NJ)
 11880 (Buehler MO)(Watts IN)(Baker IL)(@ 1950 TT Trautschold)

ANKARA - TURKEY

U. S. S. R.

4020 1353 --2 CA R. Moscow via ? w/ RR tlk, classical mx (Cleveland 8/4)
 4040 1215 433 WA RM via Vladivostok: RR w/ orch. mx, IS (Beal 8/14)
 4485 1340 222 WA Ufa/Petro-Kam. mixing in RR, u/lang, VOA QRM (Beal 7/25)
 4588 1350 533 BC unid regional w/ lite mx, RR tlk (Newell 8/11)
 4610 1750 322 WA RM-Khabarovsk: vocal mx (Beal 8/14)(Cleveland 7/22)
 5015 1402 333 CA RM-Vladivostok: RR w/ classical mx, tlk (Cleveland)
 5960 1020 343 MS RM-Vladivostok? w/ JJ tlk, // 7100 (Jones 7/13)(Beal WA)
 6020 1540 322 OR RM-Khabarovsk?: CC tlk by YL, IS (Jessen 8/2)
 6080 1356 --3 CA RM-Khabarovsk?: RR w/ classical mx (Cleveland 7/22)
 7100 0820 444 CA RM-Yakutsk: tlk in JJ, 0830 IS (Brookwell 8/8)
 7150 0430 555 MA RM-Khabarovsk: EE nx, cmtry, mx (Wyllie 8/9) _/8/7)
 7310 0400 323 MA Khabarovsk HS relay pgrm 2 "Mayak", ID (Butterfield)
 7320 0530 333 MA Magadan HS w/ 1A pgrm, IS, nx, VOA QRM (Butterfield)
 9500 0441 545 IN RM-Magadan: EE to NA, RR w/ "Mayak" (Watts)(Naylor CA)
 9600 1831 444 BC Petro-Kam? w/ Mayak 2, RR tlk, // 9710 (Newell 8/7)
 9610 0430 222 CA RM, P & Prog., Pac. Ocean via Vladivostok (Brookwell)
 9710 1829 555 BC RM, Mayak 2 via P-K w/ RR/EE tlk (Newell)(Brookwell)
 9810 0415 333 CA RM-Vlad. w/ RR tlk, mx, // 9770, 9600 (Brookwell 7/9)
 11790 0425 232 CA RM via ? w/ EE cmtry, mx (Miller 7/27)
 11890 1930 333 MT R. Kiev via ? w/ EE nx, mx, cmtry (Mullen)
 11940 0810 222 CA Chita w/ RR nx by YL, // 11970 (Brookwell 8/3)
 11970 0830 222 CA Vladivostok w/ RR, 0830 into CC, // 11940 (Brookwell)
 11990 0458* 222 CA RM via ? w/ EE in African Svce (Harding 8/6)
 12020 1600 232 OR Petro-Kam. w/ Mayak IS, RR tlk (Jessen 8/4)
 12050 0300 433 MT R. Kiev via Petro-Kam. w/ EE tlk, sked, mx (Mullen)
 12070 1610 222 OR Mayak via FE site? w/ IS, mx, RR tlk (Jessen 8/4)
 15100 0430 152 IN RM via Vlad. w/ EE, IS, ID, to WCNA (Jones)(Watts IN)
 15180 2330 222 CA Petro-Kam. w/ Peace & Prog. IS, CC tlk (Brookwell 7/27)
 15210 0430 152 IN RM via P-K w/ EE to NA (Watts 8/1)(Miller CA)
 15250 *0800 333 CA RM via Krasnoyarsk: EE to Aust./NZ, w/ nx (Harding 8/5)
 15350 *0430 222 CA RM via Nikolayevsk: FF, 0445 EE, to Africa (Harding)
 15455 2000 444 ME Radiostansiya Rodina via P-K w/ class mx (Hutchins)
 15465 *0445 343 CA RM via ? w/ EE s/on to Africa, nx (Harding 8/4)
 17700 0900 251 CA RM via Khabarovsk? w/ EE to Aust./NZ (Harding 8/5)

Turkmen S. S. R.

15185 1533 333 CT RM, P & P w/ EE to Asia, also 1000 (Meehan 8/8)(Bodell)

Uzbek S. S. R.

11920 1623 343 JPN R. Tashkent: Farsi tlk, "Huna Tash." AA pgrm (Junqua)

VIETNAM

4927nf 1525 433 JPN V. of Vietnam: VV tlk by OM/YL (Junqua 7/23)
 6165 1055 322 WA R. Saigon: VV tlk, martial mx, TPs, ID (Beal 8/14)
 6450 1406 533 BC Hanoi 1 (t): VV tlk, mx (Newell 8/3)
 10040 1430 444 OR VOV: CC nx by YL, 1620 EE (Hickman 8/20)(Jessen OR)
 12035 1525 342 CA VOV: CC/VV tlk, mx, ID (Miller 7/25)
 15010 1245 342 WI VOV: EE nx, cmtry, also 1800* (Zilmer 8/4)(Jessen OR)

YEMEN ARAB REPUBLIC

9780 0401 544 IN R. Sana' w/ AA mx (Watts 7/14)

Clandestine Broadcasters and Unidentified Stations will return next month

VOA-Two policies recently introduced by VOA have been, at least in part, retracted. Announcement of the country from which the transmission is coming (rather than Washington D.C.) will continue-if the country has no objection. Apparently Philippines and Thailand (MW) are the only countries with no objections. (Larry Magne via Numero Uno)... and... You still will be able to QSL the various VOA sites, thanx to the persistent efforts of U.S. Senator Gary Hart (D-Colorado). A letter appearing in the ANARC Newsletter details the the new, revised QSL policy 1) Sites will continue to be listed in VOA's Frequency Schedule, which you can request from VOA 2) When you send for a QSL from VOA, simply include the correct site, ascertained from the sked, and request verification of the site.....but, there is still bad news if WWV discontinues its propagation forecast at 14 minutes past the hour (WWV recently discontinued the daily propagation summary at 18 minutes past the hour). All DXers and other users of this invaluable service are urged to send complaints IMMEDIATELY to: Dr. Douglas Crombie, Director ITS/OT, U.S. Department of Commerce, Boulder, CO 80302; Congressman T. E. Wirth, House of Representatives, Washington, D.C. 20547; Senator Gary Hart, United States Senate, Washington, D.C. 20510; and to your Senators and Congressman (ANARC Newsletter)

CHINA-Fuzhou regional bcsts to Quemoy and Matsu in Mandarin and Amoy (2100-30) on 2200, 2340; (0000-30) on 4975, 5040, 7165; (0130-0200) on 2200, 2340; (0500-30, 0830-50 not Su.) on 4975, 5040, 7165; (1400-30) on 2200, 2340; (1500-30) on 4975, 5040, 7165....BBCMS....a reminder BBCMS items are copyright CLANDESTINE-"Voice of the Revolutionary Party for the Reunification of Korea" bcsts in KK (0300-0530, 1000-1600, 2000-30) in EE (0530-0600, 2300-30) on 4552v, and in KK (1000-1420) on 4120v.....BBCMS
 GUAM-The TWR fact sheet says the 2 x 100 KW xmtrs will be ready by early 1977
 IRAN-R. Iran/VOI have been noted recently on many freqs: 7215, 9680, 9765, 11770, 11780, 11930, 15084, 15135, 15315, 15435, and 17730.....BBCMS
 IRAQ-Baghdad is using 9745 for its HS in AA (0228-1500), followed by the "Voice of the Masses" prgm for expatriates abroad (1500-1930).....BBCMS
 ISRAEL-IBA nows relays the HS 3rd Pgrm (Network C) on SW, instead of the 2nd Pgrm: (0400-0600) on 9009, 12077, 15512; (0600-2000) on 12077, 15512; (2000-2305) on 11602, 12077, 15512.....BBCMS
 KUWAIT-RK issued this sked in June: in AA, on 6055 (0400-0735, 1600-2110); 7120 (0815-1505); 9520 (0400-0735); 9650 (0225-2215); 9715 (1600-1715, 1830-2110); 11825 (0815-1310); 11940 (0815-1130); 15415 (1000-1505); in EE on 15345 (0500-0800); 9555, 11845 (1700-1900); in Urdu on 9555 (1500-1700).BBCMS
 LAOS-Laotian National Radio, Xieng Khouang Province, bcsts on 4603 Khz. in Laotian and dialects (2300-0100, 0400-0600, 1000-1900).....BBCMS
 MONGOLIA-Mike Willis, Australia provides info. on Mongolian stations monitored, in DUDXC #5: 4080v, 4762v, 5054v in Mong. (1100-1500); 4948v FS in CC (1300-30, 1400-30 used Mar.-Jun.), Mong. (1330-1400); 5960 FS in Mong./RR (1000-30 irreg.), in CC/RR (1030-1100), in CC (1300-30, 1400-30), in Mong. (1330-1400 used Mar.Jun., 1430-1500); 6383 HS in Mong. (0930-1210); 7237v FS in CC (1300-30, 1400-30), in Mong. (1330-1400, 1430-1500 used Mar.-Jun.); 7260 in Mong. (0900-30, 0930-1000 relay Moscow, 1330-1400, 1430-1500), in CC (1300-30, 1400-30); 10650 FS in Mong. (0820-50); 11855 in Mong. (0900-1000), // 7260; 17785 FS in EE (1200-50 used Jun.-Mar.)...Craig Tyson via Numero Uno
 PHILLIPNES-The Overseas Svce of PBS is now (0900-1000) on 6170, in EE, w/ 10 Kw....FEBC is now on 15235 (ex-11855), (2345-0100) in EE...RA's DXers
 SAUDI ARABIA-BSKSA's HS (1535-2300) in now on new 7110 Z Calling 8/22 (ex-7190), and 5998 replaces 5990 (0330-2300).....BBCMS

A record turnout of 64 reporters this month! Thanx so much for your great support. How about those of you we haven't heard from for awhile, or those who have never contributed, let's hear from all of you! A special welcome goes out to the following new reporters: Gary Bader, Louis Buehler, Alan Davis, Stewart Freed, Adam Gaffin, Pete Grenier, Charles Hutchins, Arnold Lausevich, Randy Macris, Tuula Mahaffey, David Shepard, Greg Watts, Susan Wyllie, and welcome back to Jim Meehan. Remember that your reports, suggestions, and criticisms are always welcome. Please put your name on every logging, check for accuracy, and keep them as up to date as possible (in most cases if you mail the loggings by the 14th of the month they'll arrive in time). A reminder, again, to send those Tirana Relay loggings of Radio Peking to Europe/Africa section! Thanx. Until next month, be DX-ful. 8/22/76

73, Bob

WORLD SERVICE PROGRAMMI

STATION SKEDS

EMISSIONS

TRASMISSIONI

PROGRAMS

SERVIZIO

BULLETIN DE PROGRAMMES

Editor: LARRY TALBOT

ENGLISH SERVICE

**N84 W15119 Knoll Terrace
Menomonee Falls, WI 53051**

PROGRAMME SCHEDULE

Deadline: 15th

COMUNICATI NEL CORSO

AFAR-ISSA has a vernacular svc at 0300-0600 (0500-0900 Su) and at 0900-2000 on 4780. BBC/MS

HCJB (cont.)
1730-1800 15310, 17780
1900-2030 15300, 17780 Direct.

Ralph Famularo heard this schedule for Radio Nac. de ANGOLA on Sweden calling DXers pgm. Presumably Port. & vern: 0500-0000 on 3375, 4820, 7245 & 9535. FF is 1100-1155.

R. Cairo EGYPT has this sked per Robert Yajko: 2200-2315 on 9805.

ARGENTINA has EE to NA on 9690 at 0300-0400 & 0600-0700. Earhart.

ETLF ETHIOPIA changes their sked a day early on Sept 4. Freq heard recently are 7165 & 11800 between 0400-0600. Listen for changes. Bixby

AUSTRALIA broadcasts DXers Calling @ 0240, 0840, 1440 & 2040 on GMT Su. Also received skeds from Watts & Kanrry but they are only good to 5 Sept. Watch for new skeds for this one & send a copy to ye ed.

Jim Meehan heard a sked bdcst on R. FINLAND on Aug. 7 indicating they are still using 15110 to NA @ 1430 plus 6120 to Europe & 11755 to mid-east. But, Mark Baker writes that as of Aug. 8, he still hasn't heard any EE on 15110 in that time slot, it's Finnish. At any rate, Finland indicates they would like reports on their new 250kw xmtr.

AUSTRIA shows the same date for expiration of their current sked sent to me by Macris, Smith, Yajko and Young. Listen 0130 & 0330 on 6155 & 9770 for sched changes.

4VEH HAITI has EE on 9770 & 11835 @ 1100-1400 & 2330-0030 daily plus 1700-2000 on Su. Greg Watts

Sept 5 must be the magic date. BRT-4 also changes that date. Listen 0015-0045 on 9725 for new BELGIUM sked. Macris, Smith, Watts.

R. Nederland, HOLLAND, has a fresh sked good to Nov 7. These are EE: 0630-0750 to NZ B11730
0800-0920 NZ/AU B9715
0930-1050 EUR L9660, L7210, L5955, L6045

The BURMA Broadcasting Svc is now also on at 0700-0730 on 9730 in EE w/ nx & request mx. Susan Wyllie

1400-1520 s+seAS/FE L21480 L17810 L15120 M11740
1400-1520 EUR L5955, L6045
1640-1650(M-F) NAM B17775, B15190
1830-1950 AF L17700, L11730 M6020

Here's a sked that STARTS Sept 5th, from Wayne Czernicki in Winnipeg. R. CANADA International beams EE to U.S. 0100-0157 on 6085 & 9650.

1830-1950 EUR L6020
2000-2120 wEUR M11730
2130-2250(not Su) nAME L11730 L9715
0200-0320 nAME B6165
0500-0620 nAMw B9715, B6165

0400-0600 on 6135 & 9655.
1115-1215 on 5970 & 9655
2157-2400 on 6040. (Thats 0000)

"Happy Station" pgm bdcst Sundays. L=Lopik, B=Bonaire, M=Madagascar Wilson, Watts, Compton, Bixby

FF 0200-0257 9655
1100-1115 5970 & 9655
1215-1230 same. Also from Bixby

R. Peking CHINA has begun two 30 min pgm in Hungarian bdcst to Hungary at 2000 & 2030 on 9965 & 7800. BBC/MS

R. Budapest HUNGARY sked good to Oct EE to Eur. (ex Sa & Su) 1200-1240 21525, 17715, 15160, 11910, 9585 7155 & 6025. 2130-2200 on 17780 15415, 11910, 9655, 7200, 7180, 5965 EE to NA @ 0200-0230 on 17710, 15220 11910, 9833, 9585, 7215, 6000. Also 0300-0330 on same freq. EE to Asia (ex Sa & Su) 1430-1500 21525 17785 15160 11910 9585 7215

HCJB ECUADOR has EE at these times:

1215-1615 11745, 15115, 15160
0040-0245 9560, 11885, 11915
0300-0045 6095, 9560, 11915
0500-0645 6095, 9560, 11915
0700-0815 6130, 9745, 11915
0830-1030 6130, 9745
0700-0815 9760, 11875

HUNGARY (cont)

EE to Austral. NZ & Japan 1030-1100
21525 17715 15160 11910 9585
DX pgm W & Sa in EE to NA 0400-0415
17720 15220 11910 9833 9585 7215 6000
Bill Shaw, Louis Buehler, R. Macris

Ken Earhart suggests that 15540 should be added to the ISRAEL sked for 2000-2030 & 2230-2300, definitely in use.

Here's a note also from Ken Earhart. For those of you who keep notes on specific countries, ITALY's formula seems to be Winter=6010, Summer=11810 & Year-round=9575.

R. JAPAN has new sked to Nov 6. EE to Mid-East & N Afr.
2015-2045 on 9700 & 7250
to NA 2345-0045 on 11705 & 15300
N,C,SA & Hawaii 0130-0230 on 17825
17725 15420 15195 foll. by 30min SS.
to Europe 0800-0830 15325 & 11960 & 1830-1900 on 9605 & 7195.
To Austral & NZ 0930-1030 15325 11875
SEAsia @ 1115-1145 on 11875 & 9675.
SEAsia & Afr. 1630-1700 9670 & 7250.
Submitted by Robt. Wilson.

Mark Baker sends word that R. Korea is being heard on un-announced freq of 11850. (This apparently does not replace 11860 also being heard. ed.)

Susan Wyllie reports that Voice of Malaysia announced that the pgm @ 0625-0855 would be on 9750 & 15290.

Greg Watts sends this report on R. Mocambique. No mention of lang.
15295 (100kw) 0900-1700
11820 (120kw) 0700-1900
9620 (100kw) 0700-1900
6115 (25kw) 0600-0000
4925 (60kw) 0600-0830, 1815-0000
3210 (25kw) 0600-0800, 1900-0000
Some doubt as to whether these times are GMT. May be local time (GMT+2h)

R. NORWAY is doing its best to confuse everyone with its sked. I have 3 skeds all different. Apparently EE is on Su only so I have tried to extract it from the skeds.
0800-0830 Scand. & Pac. 11860
(Sun only SEAsia, Aus, NZ. 11850 for EE) Far East 15135*
1200-1230 Europe 6015*
Far East 11895, 15345
Mid East, Indo, India
W. Australia 21655.
1400-1430 W. Eur, W. Afr 9590
E Afr, Mid East, 15345*
Africa 21655
1600-1630 N&CAM, W Indies 15175*
17795.
W Afr & S Amer. 21655.
1800-1830 WCNA, C Am, 11850
E Eur, Mid East, E Afr 11860*

NORWAY (cont)

1800-1830 WCNA, C Am 15175
2000-2030 Europe 6015
Eur, Afr 11860
Africa 15175*
2200-2230 N & C Amer, W Indies 11850, 15175
W Afr, S Amer 15345*
0000-0030 N & C Am, W Indies 6180, 9645*
(GMT Mon) W Indies, S Am 11870
0200-0230 N & C Am, W. Indies 6180* 9645
0400-0430 N & C Am, W. Indies 6180* 9645
WCNA, C. Am, 11870
0600-0630 WCNA, CAM, 9645, 11870*.
Mid East, Ind, Indo 15175
Each segment is 1 1/2 hr long but EE is the last 1/2 hr only. *=250kw xmtr.
Thanks to Baker, Romani, Watts, BBC

SPAIN Received skeds from Macris, Thompson & Earhart. See p. 3 of sked section for Ken's beautiful work of art in putting all in order. ed.

PORTUGAL has this sked per BBC/MS. EE to NA 0230-0300 & 0430-0500 on 6025 & 11935. Note: 6025 is also used for PP to Europe, 0400-0600.
EE to India 1400-1430 (ex Su) 17895
EE to Mid E 1600-1630 (ex Su) 17895
EE to Afr 1700-1730 (Su) 15340 17880
1800-1830 (ex Su) same freq
EE to Eur 2030-2100, 6025 & 9740.
These are 100kw xmtr @ Sao Gabriel.

From Adrian Peterson in India comes this info regarding "Radio Monitors International", the only DX pgm bdcst in Southern Asia. It is now heard in the All Asia evening svc of SRI LANKA Bdcst Corp. @ 1350 on Sundays on 7190 10kw, 9720 35kw, & 15425 100kw.

R. TAHITI has EE @ 0900 (ex Su). Freq used by FR3 are 6135, 9750, 11825 15170 but no indication which ones used for this bdcst. Thompson

Yes, TRT, the Voice of Turkey is being heard on 11880 as well as 9515 @ 2200-0030. 11880 is intended for Europe but the 250kw is enough to be heard here. Sked good to Sept 29. Earhart, Romani, Davy Smith.

Besides VOA & WWV, the USA has several other sw broadcasters. Among these are WINB in Red Lion PA., 1730-2245 on 15185 & 17720, 50kw. KGEI in San Francisco has EE 0700-0800 on 9000 & 1000-1100 on 5980. Other times are RR, JJ & Chinese. Another broadcaster is UN Radio using the facilities of VOA. They indicate that they QSL so I have sent for a complete sked which will appear here asap. How about HBX Switzerland on 7443, 1830-1840 RR. Bixby, Macris.

Something new for Station Skeds is a third page. Thanks SPEEDX members for your continued support. That's the only way we can give you more return. As promised, here is Ken Earharts SPAIN schedule.

Notes	TIME GMT	FREQUENCIES	TARGET AREA	LANG.
(b) & 2	0100-0400	6065, 11880	USA & Canada	EE
(a)	0100-0500	9630, 11965	N. America	SS
	0800-1200	11730, 15440	Australia & Philipp.	SS
1	1100-2130	6140, 7105, 9570, 11920	Europe	SS
	1730-1830	9560	Mediterranean	SS
	1730-1830	9505	Atlantic European area	SS
2	1730-1830	9600, 11810	Arab States	AA
	1730-1930	15365	North So. America	SS
	1730-2130	11785	Atlantic African Area	SS
2	1830-1930	9600, 11810	Near East	SS
2	1930-2030	6065, 9560, 9600, 11810	Arab States	AA
	2030-2230	6075	Europe	EE
	2030-2130	9560, 9600, 11810	Middle East	SS
	2045-0500	15365	South Cent. America	SS
	2130-2230	9505	Europe	EE
	2145-0300	9520, 11945	Cent. & So. S. Amer.	SS
	2145-0010	9630-11965	Cent. & N. America	SS
	2145-0500	11775	No. S. Amer & Cent Am	SS
	2300-0300	15125	So. America	SS
	2300-0500	9360	No. S. Amer & Cent Am	SS

In a supplemental letter they say they are studying the use of other languages for future programs. German & French for Europe will be first. Then Russian for Europe and Portuguese for Brazil.

- (a) DX programs on Saturdays @ 0005, 0205, 0405.
- (b) DX programs on Saturdays @ 0150, 0250, 0350.
- 1 On Sundays, broadcasts start at 0830.
- 2 No broadcasts on Sundays.

Boy, did we goof on the Russian skeds. Good thing you guys & gals are out there to keep me on my toes. Lets start with R. Kiev. From Sept 5 to Oct. EE to Europe @ 1930-2000 on 6020, 7390, 9610.
EE to NA 0030-0100 on 7150, 7250, 12050, 15100, 15210, 15245 & 17720.
0300-0330 on 7390, 9520, 9685, 12050, 15210, 15245.

R. Moscow doesn't use all those freq listed last mo. at once. As a matter of fact, they have dropped as of Aug 1, all the 11 mhz freq as well as 9530 & 9720. Freq of European xmtr as of Aug 1 to NA are, 2300-0030 & 0100-0500 on 7100, 7165, 7250*, 7290#, 7320, 9500&, 9600 (except 0200-0400 is SS) 9655\$, 9685%, 9700€. *=from 0230, #=from 0130, &=to 0200, \$=to 0300 %=to 0030, €=0130-0400. Far East xmtrs are 2300-0030 11790, 12050, 15100 15210 & 17720.

R. Vilnius has EE on Sa/Su @ 2230-2300 on 7165, 7190, 7320, 9390, 9685, & 9745. At 0030-0100 on 7150, 7165, 7320 & 9685.

R. Yerevan broadcasts to NA @ 2300-2330 on 11690, 12050, 15180, 17600 17865 Tnx for all the RR info to Wes Mullen, Glenn Thompson, Roger Legge, Robert Hechenlively, Greg Watts & Ken Earhart.

VATICAN Radio, add 1700 to their 0100-0115 sked. Earhart

A request for radio propagation monitoring has been extended to SPEEDX members. This would be in conjunction with a total solar eclipse. Quantitative measurements of signal strength continuous or at 2 to 4 min. intervals during indicated monitoring periods on at least 3 days along w/ details on fading, interference, noise, & program details are most desired SIO, SIMPO, or S-meter readings @ 2 to 4 min intervals would be accepted. The monitoring period is Oct 22, 23 & 24 and the stations to be monitored are Tanzania & Australia. More details next mo. or write to me.

So ends another month. Stations should be changing frequencies now so keep your ear to the grindstone and try for those "live" skeds and we can have them in print in the Oct. issue. Don't forget to date those skeds you send me. I intend to use those dates in the section so that everyone has an idea of how long it is valid. Please use 1 side only & leave a little space between items. We could use some S. Amer skeds, anyone??? 73, Larry.

UTILITY REPORT



EDITOR:

KEN COMPTON
7 MOUNT VERNON STREET
BRIGHTON, MA 02135

Deadline: 15th of the month

Greg Watts-IN sends this précis of JAPANESE COASTAL RADIO STATIONS from a table supplied by Choshi Radio, dated July, 1976

KOBE R.: JMA 446, 500, 512 JCK 420.5, 487.5, 500, 512, 4250
JSM 436, 500, 512, 517

CHOSHI R.: JCS 418.5, 500, 512, 4349, 6467, 8653.6, 12826.5,
17112.6, 22419
JCT 4225, 8686, 12687, 17166.45, 22386

JCU 6485, 8479, 12878, 17043.2, 22463 JDC 8647.5, 13054, 16998.5

MAGOSHIMA R.: JDA 446, 500 NAGOYA R.: JHY 486, 500

NAGASAKI R.: JOS 483, 500, 4328, 6491.5, 8706, 13069.5, 16933.5, 22396

NAHA R.: JCX 442, 500, 6470, 13086 NAGOYA R.: JHY 486, 500

OITA R.: JIT 416.5, 500 SHIMIZU R.: 486, 500, 512

SAPPORO R.: JHK 487.5, 500, JJT 420.5, 500 JOG 483, 500

SHIMONOSEKI R.: JCG 422.5, 500 YOKOHAMA R.: JCY 500, 524

Yokohama R. open daily 2100-1400 & Kagoshima 2300-1400 GMT. All others are open 24h daily. 500 khz used by all for calling & watching.

Of the unidentifieds reported last month Bill Trubee-HI identifies DBV36 as Koenigswusterhausen FX station; Dave Wilson-OH IDs KPA65 as HQ Reg. 5, DCPA, Denton, TX and KPA66 as HQ Reg. 6, DCPA, Denver, CO; and Greg Watts-IN & Bill Trubee ID JCX as the Naha, Okinawa coast station. Thank you, Bill, Dave & Greg!

QSL - All frequencies in kilohertz

AZORES: CSY, Santa Maria Aeradio 5610. F/d PFC 82d for ms (Walters-NJ)

BARBADOS: 8PO C&W Bridgetown 8449.3. F/d fldr cd 20d for ms (Raiford-FL)

BELGIUM: OST42 Ostend R. 8652. F/d cd 40d for EE rpt & IRC (???)
Please put name & state at end of each QSL & each logging.

CANADA: VAI Vancouver CG Aeradio 4235. F/d ltr 20d, no rp (Watts-IN)
CFH RCN Ellerhouse NS 16926.5. F/d PFC 21d srfc for 2 IRCs (Raiford-FL)
VAI Vancouver R. 12876. Ltr 41d, IRC retrnd. (Trochimczyk)

CHILE: CBV Valparaiso Playa Ancha R. 12714. SS ltr for SS rpt & IRC.
(Trochimczyk-DC)

CURACAO: PJC GRT Willemstad 13042.5. F/d Gov't insignis cd 20d air for IRC. 1.8 kw. (Raiford-FL)

ICELAND: TFA APT Reykjavik 6512.3. F/d 7-scene cd, 2IRCS 31d (Raiford-FL)

JAPAN: JDC KDD Choshi City 13054. F/d cd 15d air for 1 IRC, also sent table of Japanese Coast Stations. (Watts-IN) Same 17166.5 (Raiford-FL)

MEXICO: XFL Mazatlan de Sinaloa R. 6442.5. F/d registered SS ltr for SS rpt & IRC (Trochimczyk-DC)

NEW ZEALAND: ZKAK Auckland Aeradio 5638. PFC 11d for 2 IRCs (Chabak-CO)
RNZAF Wigram, Christchurch. PFC & ltr w/date only (RP Mike?) Chabak-CO)

NORWAY: JMT5 Navy Stavanger 5811. PFC in 22d air for ms (Walters-NJ)
LCO Jeløy R. 13980. F/d cd 24d air for ms (Walters-NJ)

OKINAWA: BIDDY KADENA USNAS Okinawa. PFC sgnd w/no data 30d for ms (Chabak)

PUERTO RICO: NMR USCG San Juan 12700. F/d ltr in 1m air, 2IRCS (Koizumi-J)

REUNION: FTS Ste. Denis 5315. Usual no data ltr 92d air for ms (Walters-NJ)
FED A.P.T Ste. Denis 8468.5. PFC 3m for FF rpt&2 IRCs (Koizumi-JAPAN)

RUMANIA: YQI CONSTANTA R. 12757. F/d ltr 2m air for 2IRCS (Koizumi-JAPAN)

SAUDI ARABIA: HZP986 P&T Jeddah 9867. F/d ltr 4m reg. air. (Aston-OH)

U.S.A.: NY Aeradio 3001. Ltr w/date & freq only 14d no RP (Gion-MA)
NMF USCG Marshfield MA 8459. F/d ltr 24d for ms (Raiford-FL)
WOE RCA Lantana R. FL 6411.35. F/d ltr 7d for ms (Raiford-FL)
WMH RCA Baltimore MD 8686. F/d cd 10d for ms (Raiford-FL)
NMC USCG Pt Reyes CA 16878.9. F/d NMC cd, sta brochure & photos of skg ops in 25d for ms. 9kw. (Raiford-FL)
KFS ITT Half Moon Bay CA 17184.8. F/d cd 26d for MS. (Raiford-FL)
KLC ITT Galveston TX 17208.8. F/d cd 7d for ms. Says changing this freq soon to 16871.3. Very friendly. 3kw. (Raiford-FL)

VENEZUELA: YVTO Caracas ??? PC & business cd 28d for SS rpt & IRC (Estes-MI) Freq, Snapper? - Ed.

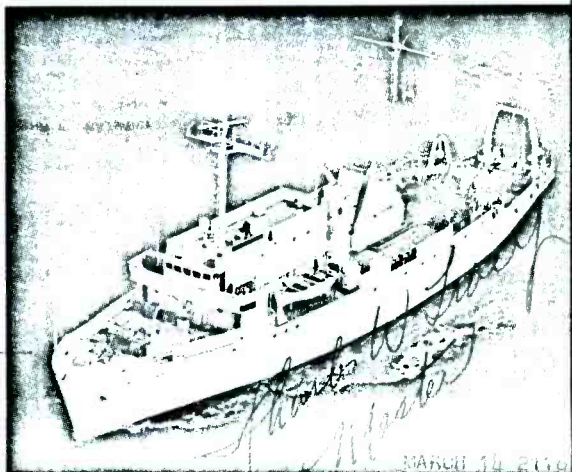
SHIPS: NYHD USS "Seahorse" nuke atk sub 2716 PFC 10d for ms 500w (Chabak)
NVSD USS "Hammerhead" nuke atk sub 2716 PFC 12d for ms 20w (Chabak-CO)
NI3D USS "Garcia" 2716 PFC 11d for ms QTH Bermuda Harbor (Chabak-CO)
NGHX USS "Wainwright" CG-28 2716 PFC 19d for ms QTH off NC (Chabak-CO)
NDIT CGC "Mellon" 6521.8 PFC 42d for ms QTH N. of HI. 400w. (Chabak-CO)
NRPX CGC "Buttonwood" 6521.8 PFC 15d for ms. 500w. (Chabak-CO)
NEVK CGC "Burton Island" 6521.8 PFC 20d for ms. Off SanFran(Chabak-CO)

N A E E

**WELCOME
ABOARD**

**USNS
DE STEIGUER
T-AGOR 12**

JOHN A. LOPEZ,
RADIO OFFICER



TO: MR. ROBERT H. FRENCH

THIS CONFIRMS RECEPTION OF THE SIGNALS FROM THIS
STATION NAE E ON FREQUENCY 12,555.00 KHZ AT 2118 GMT

ON MARCH 14, 1976. POSITION: LAT 24-52N 115-16W LONG.

XMITER RCA ET-8065M 250W A-1
(PORTIONAL EQUIPMENT FROM THE RADIO
CONSOLE MODEL 6-U).

ANTENNA APPROX 100 FT HORIZONTAL
WITH ELEVATION APPROX 25 DEGREES.

John A. Lopez
JOHN A. LOPEZ, RADIO OFFICER
USNS DE STEIGUER (T-AGOR-12)

U. S. NAVAL OCEANOGRAPHIC OFFICE WASHINGTON, D. C. 20390









HBFE "Castaneda" small reefer 2182&2049 PFC 118d for IRC, also photo
of ship. Position 35N 70W. 100w. (Holbrook-MD)

OICM "Basto" Frozen cargo 8269 F/d 2pp.ltr 56d for IRC (Holbrook-MD)
 GTOG "Alva Sea" tanker 2227.5 F/d pp cd 8m for IRC. 1kw (Holbrook-MD)
 AIRCRAFT: N4866T Trans International 8959 PFC 1m for ms (Holbrook-MD)
 OUT OF ORDER - Sorry!
 ARGENTINA: LOL Buenos Aires 10000 F/d cd 103d for IRC (Denissen-HOLLAND)
 AUSTRALIA: VNG TA Lyndhurst 12000 F/d ltr 2m (Ishizaki-JAPAN) RP, Yasuo?
 COSTA RICA: TIM, Limon 8478. Ltr 18d for EE rpt & IRC (Denissen-HOLLAND)
 GREECE: Athena R. 13188. HTO cd 420d for EE rpt & IRC (Denissen-HOLLAND)
 HAWAII: WVVH Kauai 10000. Fldr w/date&freq, no rp (????-??)
 ST. PIERRE ET MIQUELON: FZY322 FTS 12295 FF ltr for FF rpt&IRC(Denissen-H)

All Times GMT

LOGGINGS
 NORTH AMERICA

All Frequencies in Khz

CANADA:	2182	0022	Montreal Aeradio OM EE & FF tfc AM (Wyllie-MA)
	2598	0406	Canadian CG Sarnia ONT OM EE tfc (Wyllie-MA)
		0411	VGN DOT Grindstone Is. OM EE/FF wx AM (Wyllie-MA)
	4285	0126	VCS DOT Halifax NS V mkr CW (Watts-IN)
	5098	0552	CFH CFS Halifax NS NARS V mkr CW (Watts-IN)
	6447.5	0337	CKN Vancouver Military C13E V mkr CW (Raiford-FL)
	6753	0135	CHR Trenton Mil ONT OM Aviation wx USB (Cook-MN)
	6755a	0140	CJX St Johns Mil NFDLD OM EE wx USB (Vecchiola-PA)
	13272	2200	Gander Aeradio OM EE Aviation wx AM (Watts-IN)
	17175.2	1800	VAI DOT Vancouver BC CQ mkr CW (Thompson-NM)
GREENLAND:	14447.5	1950	OXI66 GTO Godthaab YL EE/Dan vm LSB (Olsson-CT)
	14900	1435	OXI68 GTO Godtdaab YL EE/Dan vm SSB (Curtis-VT)
MEXICO:	4260a	0156	XFU Vera Cruz R. CQ mkr CW (Watts-IN)
	12778	2312	XFL Mazatlán de Sinaloa R. CQ mkr CW (Trubee-HI)
	12829.5	2358	XFM Manzanillo de Colima R. V mkr CW (Trubee-HI)
U.S.A.:	2450	0531	KLH Pac. T&T San Francisco YL EE wx (Owsley-CA)
	2558	0015	WAQ Oceangate NJ YL EE marine wx AM (Olsson-CT)
	4294.5	0209	WNU TRT Slidell, LA CQ mkr CW (Watts-IN)
	4300a	0143	WOM ATT Ft Lauderdale FL EE tfc SSB (Agner-NJ)
	4310	0219	WNU TRT Slidell LA CQ mkr CW (Watts-IN)
	4425	0150	NMA USCG Miami FL rescue tfc EE LSB (Agner NJ)
	4742	0822	AFI Loring AFB Limestone ME YL EE tfc USB (Chabak)
	5683	0245	AFB8 MacDill AFB FL EE tfc SSB (Brick-MA)
	5696	0800	NOY9 USCGAS Ellington AFB TX tfc USB (Chabak-CO)
	6411	2200	WOE RCA Lantana FL V mkr CW (Raiford-FL)
	6738	0505	AFG37 Scott AFB IL phone patches SSB (Brick-MA)
	6750	0510	AFE8 MacDill AFB FL tfc SSB (Brick-MA)
	8550a	0146	WPA RCA Port Arthur TX V mkr CW (Vecchiola-PA)
	9465a	2145	WNY RCA NYC OM EE vm, into RTTY & 2200 AM(Watts-IN)
	9905a	0300	WED40 ATT NYC OM EE vm SSB //10515 (Watts-IN)
		0331	WOO AT&T Manahawkin NJ OM EE vm USB (Agner-NJ)
	10225.4	0256	VOA feeder - Greenville? SS USB (Agner-NJ)
	10454	0405	VOA feeder EE Greenville SSB (Watts-IN)
	11080	0434	USN LOMP multicall V mkr QTH? CW (Watts-IN)
	12022.5	2205	KKN50 State Dept Wash DC QRA mkr CW (Watts-IN)
	12826.5	2314	WNU TRT Slidell LA CQ mkr CW (Trubee-HI)
	12971a	0416	WOE RCA Lake Worth FL V mkr CW (Vecchiola-PA)
	12993a	0414	KOK IIT San Francisco CA CQ mkr CW (Vecchiola-PA)
	13002a	0411	KPH RCA San Francisco V mkr CW (Vecchiola-PA)
	13012	1651	WNU TRT Pearl River LA tfc CW (Newell-BC)
	13379	1830	KNY26 Hungarian Embassy Wash DC CW (Olsson-CT)
	16900	0224	KLB IIT Marysville WA CQ mkr CW (Raiford-FL)
	17026	1630	KFS IIT Palo Alto CA CQ mkr CW (Thompson-NM)
	17064.8	0201	WLO Mobile R. AL V-CQ mkr CW tug tfc (Raiford-FL)
	17509	0045	WWD Scripps Institute of Oceanography OM EE marine wx USB (Olsson-CT)
	17645	1149	WOO ATT NY OM EE vm CW (Smith-FL)
			CARIBBEAN
BAHAMAS:	2716	0854	Andros Is. Control clg "Sea Rover" AM (Chabak-CO)
BERMUDA:	6487.5	0158	VRT C&W ID mkr CW (Vecchiola-PA)
CUBA:	4354	0323	CLA EMRAIN Havana CQ mkr CW (Raiford-FL)
	7959	2320	CMB Havana clg CMB7 w/Z code CW(Olsson-CT) Mil?-Ed.
	8516	1735	CLS La Fé R. hi-speed CQ mkr CW (Curtis-VT)
	17176	2033	CLS EMRAIN La Fé ID mkr CW (Thompson-NM)
CURACAO:	13042.5	2114	PJC PTT Willemstad CQ mkr CW (Thompson-NM)
MARTINIQUE:	4270a	0319	FFP2 PTT Fort de France CQ mkr CW (Watts-IN)
	6389a	0416	FUF Fr. Navy Fort de France V mkr CW (Watts-IN)
	8675.7	0141	FFP3 FTS Fort de France CQ mkr CW (Raiford-FL)
PUERTIC RICO:	4048.5	0944	NMR14 Fajaro wkg NMA5 USB (Chabak-CO)

8471a 0130 NMR USCG San Juan CQ mkr CW (Vecchiola-PA)
12700 2323 NMR USCG San Juan CQ mkr CW (Trubee-HI)

CENTRAL AMERICA

CANAL ZONE:12883 0612 NBA USN Balboa CQ mkr CW (Trubee-HI)
COSTA RICA:13099.5 0250 TIM CORAIN Limon V mkr CW (Thompson-NM)

SOUTH AMERICA

ARGENTINA:8459 0117 LSA ELMA Boca V mkr CW (Raiford-FL)
8646 0253 LPD86 Gen. Pacheco Radio V mkr CW (Raiford-FL)
17046a 1546 LPD46 Gen. Pacheco R. V mkr CW (Thompson-NM)
BRAZIL: 10640a 0120 EMBRATEL Rio YL EE/FF OM PP vm USB (Vecchiola-PA)
10705 0157 PVL5 EMBRATEL Rio YL EE/FF OM PP vm USB (Watts-IN)
14500 2245 PPR48 EMBRATEL Rio YL EE/FF OM PP vm (Olsson-CT)
16810 2053 PPR D.P.T. Rio V mkr CW (Raiford-FL)
17169 1525 PPL D.P.T. Salinopolis V mkr CW (Thompson-NM)
CHILE: 5345a 0005 CCS Navy Santiago V mkr CW (Curtis-VT)
12714.5 0300 CBV Navy Valparaiso CQ mkr CW (Trubee-HI)
12960 0105 CCV6 Navy Hydrographic Sta Valparaiso V mkr CW
(Thompson-NM)
13526 2230 CCS Navy Santiago V mkr CW (Olsson-CT)
COLOMBIA:4277 0142 HKB EMNATEL Barranquilla V mkr CW (Watts-IN)
13087.5 1440 HKB EMNATEL Barranquilla CQ mkr CW (Vecchiola-PA)
URUGUAY:17208.8 2115 CWA SST Cerrito CQ mkr CW (Raiford-FL)
VENEZUELA:17141.6 0059 YVG MinCom La Guaira tfc CW (Raiford-FL)(Thompson)
17590 2315 YWM Navy Maracaibo clg LOL CW (Olsson-CT)

EUROPE

AZORES: 5611 0120 CSY Santa Maria Aeradio EE flight tfc USB (Vecchiola)
7351 0310 CTD41 Navy Horta V mkr CW (Watts-IN)
BELGIUM: 8652 0435 OST RTT Ostend V mkr CW (Thompson-NM)
CYPRUS: 8738.4 2118 5BA CTA Nicosia YL EE/GG vm AM (Agner-NJ)
DENMARK:17068.4 1720 OXZ82 DGPT Lyngby CQ mkr CW (Thompson-NM)
ENGLAND: 5703 0250 AJE Croughton AFB EE a/c tfc SSB (Brick-MA)
6369 0125 GKS BPO Portishead V mkr CW (Watts-IN)
6386.5 0429 GYA Whitehall Naval R. London ID mkr CW (Watts-IN)
8497a 0125 GKS BPO Portishead ID mkr CW (Vecchiola-PA)
8517 1740 GKC BPO Somerset ID mkr CW (Curtis-VT)
8552a 0143 GKK BPO Portishead ID mkr CW (Vecchiola-PA)
10000 0010 MSF Rugby time sigs CW (Olsson-CT)
12844 0314 GLO20 Ongar R. V mkr CW (Thompson-NM)
12930 0635 GYA Whitehall Naval R. London ID mkr CW (Trubee-HI)
13020.5 0410 GKC5 BPO Portishead ID mkr CW (Vecchiola-PA) 0650
(Trubee-HI) 1655 (Newell-BC) 2150 (Raiford-FL)
13125a 2200 BPO OM EE vm, tfc 1st Portishead R. AM (Brick-MA)
16943 0309 GLP21/MHU3 Whitehall Naval R. V mkr CW (Raiford-FL)
FRANCE: 4328 0114 FFL2 Ste. Lys R. CQ mkr CW (Watts-IN)
6421.5 0330 FFL3 Ste. Lys R. wkg "Lady Raffaella" CW (Raiford-FL)
8510 0135 FFL PTT Ste. Lys ID mkr CW (Vecchiola-PA)
8522.5 1540 FFL4 PTT Ste. Lys CQ mkr CW (Curtis-VT)
9905a 0443 FDY Air Force Orleans V mkr CW (Watts-IN)
10340a 0126 Intntl Network Paris OM FF/EE vm USB (Vecchiola-PA)
Does anyone have the address of the International Network? - ED.
10563 1825 FRK56 Paris FF press CW (Olsson-CT)
11410a 0136 FDY Air Force Orleans V mkr CW (Curtis-VT)
13133.5 1825 PTT Ste Lys YL FF tfc AM (Brick-MA)
17178 1955 HWN Navy Paris V mkr CW (Thompson-NM)
GERMANY:8483.5 0159 DAN DB Norddeich CQ mkr CW (Raiford-FL)
13061.5 0715 DHS Ruegen R. V mkr CW (Trubee-HI) 2110 (Thompson)
10315 1900 Holzkirchen RFE feeder unk lang AM (Olsson-CT)
13027.5 0010 DAL Norddeich R. V mkr CW (Newell-BC)(Thompson-NM)
17048.5 1541 DAF DB Norddeich V mkr CW (Thompson-NM) 1937(Curtis)
GERMANY,E.:13375 0534 DKN5 Ueberseedienst DP Berlin OM EE/FF/GG vm SSB
(Newell-BC)
17520 0905 DP Ueberseeamt Berlin OM GG/EE/FF vm (Denissen-HOL)
17100 1610 DHS MPT Ruegen V mkr CW (Thompson-NM)
GREECE: 6512.5 0208 SVA HTO Athens V mkr CW (Vecchiola-PA)
13372.5 1805 NGR USN Nea Makri tfc CW (Olsson-CT)
17194.4 2123 SVA Athina1 R. V mkr CW (Thompson-NM)
HOLLAND: 6404 0400 PCH96 PTT Scheveningen CQ mkr CW (Watts-IN)
8654.4 0403 PCH PTT Scheveningen CQ mkr CW (Thompson-NM)

ICELAND: 6512a 0206 TFA APTI Reykjavik CQ mkr CW (Vecchiola-PA)
13069.5 1746 TFA APTI Reykjavik CQ mkr CW (Curtis-VT) 2025
(Curtis-VT) 2103 (Thompson-NM)

IRELAND: 2889 0150 EIP Shannon VOLMET OM EE Aviation wx AM (Agner-NJ)
5533 0150 EIP Shannon VOLMET OM EE vm AM (Vecchiola-PA)

ITALY: 4320a 0329 IAR PTT Rome V mkr CW (Watts-IN)
13016 1653 IAM I.S.P.T. Rome V mkr CW (Newell-BC)
17006a 1715 IAR I.P.T. Rome V mkr CW (Thompson-NM)
17102.5 0128 IRM Rome Medical R. V mkr CW (Raiford-FL) (Thompson)

LATVIAN S.S.R.:
13069 0719 UDH Riga R. CQ mkr CW (Trubee-HI) 1738 (Curtis-VT)

MALTA: 4359a 0228 GYZ BRN ID mkr CW (Watts-IN)
6481 0026 GYZ BRN ID mkr CW (Curtis-VT) 0006 (Denissen-HCL)

NORWAY: 10390 1909 LJP20 Interpol Oslo wkg FSB CW (Olsson-CT)
17074.4 2335 LGX Rogaland R. V mkr CW (Curtis-VT)

POLAND: 16736 0126 SPH Gdynia R. Warsaw ID CW 0126 (Raiford-FL)

PORTUGAL: 4280a 0148 CTP NATO Oseiras ID mkr CW (Watts-IN)
8528 2350 CTV4 Navy Monsanto CQ mkr CW (Curtis-VT)

SPAIN: 13065 2107 EAD EMNATEL Aranjuez CQ mkr CW (Thompson-NM)
19880 0843 EAV988 ENTEL Madrid QRA mkr CW (Denissen-HOLLAND)

SWEDEN: 8498 0428 SAB4 ACT Goteborg CQ mkr CW (Vecchiola-PA)
12880.5 0310 SAG2 ACT Goteborg CQ mkr CW (Thompson-NM)

SWITZERLAND: 17196.8 2140 HEB Berne R. CQ mkr CW (Thompson-NM)

U.S.S.R.: 10120 1845 R. Moscow Feeder unk lang USB (Olsson-CT)

AFRICA

AFARS&ISSAS: 10710 0142 TKZ PTT Djibouti YL FF/EE vm (Watts-IN)

IVORY COAST: 13060.5 0710 TUA5 A.P.T. Abidjan CQ mkr CW (Trubee-HI)

LIBERIA: 5110 0556 KKN44 US Embassy Monrovia QRA mkr CW (Watts-IN)
10880 0500 VOA Liberia EE feeder SSB (Watts-IN)

REUNION: 8469 0418 FFD A.P.T. Ste Denis CQ marker CW (Thompson-NM)

SENEGAL: 4581 0212 6WV Fr. Navy Dakar V mkr CW (Watts-IN)

SO. AFRICA: 13028 0700 ZSD46 PMG Durban V mkr CW (Trubee-HI)

ASIA

BAHRAIN: 14528 0540 C&W OM EE vm SSB (Denissen-HOLLAND)

CHINA, P.R.: 9514 1755 XSQ4 CGRA Canton CW (Thompson-NM)
16950 0700 XSQ CGRA Canton CW (Trubee-HI)

HONGKONG: 13021 0655 VPS C&W Cape D'Aguiar V mkr CW (Trubee-HI)

INDIA: 16984a 0750 VTG Navy Bombay V mkr CW (Thompson-NM)

ISRAEL: 17146 2042 4XO PTT Haifa CQ mkr CW (Thompson-NM)

JAPAN: 11236 1036 AIF80 USAF Yokota wkg MAC50250 USB (Chabak-CO)
12205 2355 NDT USN Yokosuka ID mkr CW (Trubee-HI)
13008 1649 JOR KDD Nagasaki CQ mkr CW (Newell-BC)
13069.5 1324 JOS KDD Isahaya CQ mkr CW (Curtis-VT)
17166.5 0209 JCT KDD Choshi City CQ mkr CW (Raiford-FL) (Denissen)

OKINAWA: 13100.5 0725 NCN USN Futema call rep. CW (Trubee-HI)

PHILIPPINES: 12834 0610 DZG Globe Mackay Las Pinas CQ mkr CW (Trubee-HI)

SAUDI ARABIA: 9865a 0033 PTT Jeddah OM EE/AA vm USB (Vecchiola-PA)

SINGAPORE: 16724 0117 9VG TD ID mkr CW (Raiford-FL)

SO. KOREA: 16738 0209 HLP MinCom Pusan ID mkr CW (Raiford-FL)
17127a 2105 HLM MinCom Mogpo V mkr CW (Thompson-NM)

U.S.S.R.: 17205 1510 UKN Archangel R. CQ mkr CW (Thompson-NM)
10094 1520 RID MinCom Irkutsk time sigs CW (Newell-BC)
15005 0013 RID MinCom Irkutsk time sigs CW (Newell-BC)

OCEANIA

AUSTRALIA: 3432 1230 VLS VOLMET Sydney OM EE Aviation Wx AM (Newell-BC)
6680 1032 VLS VOLMET Sydney OM EE Aviation Wx AM (Owsley-CA)
8525 1350 VIS26 OTC Sydney V mkr CW (Curtis-VT)
9230 0653 VKS8 AOTC OM EE vm SSB (Kerrigan-IL)

10017 0502 VLS Sydney VOLMET OM EE wx AM (Watts-IN)
16918.5 0656 VHP RAN Belconnen V mkr CW (Trubee-HI) 0702 (Thompson)

CAROLINES: 7581.5 0825 NRV7 USCG Loran Yap Is. OM EE t/c (Chabak-CO)
0858 NRV4 Angaur Is. Loran wkg NRV USB (Chabak-CO)

FIJI IS.: 5638 0859 3DN Nandi Aeradio Suva OM EE wkg Clipper 182 (Chabak)

HAWAII: 4050 0840 NRO Johnston Is. Loran OM EE wkg NRO4 USB (Chabak)
8760.8 0550 NMO USCG Wahiawa relay Nat Wx Svc //13444 USB (Beal)

MARIANAS: 7581.5 0750 NRV2 Saipan Loran wkg NRV USB (Chabak-CO)

NEW ZEALAND: 12709a 0335 ZLO RNZN Irirangi ID marker CW (Thompson-NM)

TAHITI: 17040.8 2050 FJA26 OFIPOSTEL Mahina CQ mkr CW (Thompson-NM)

SHIPS

2716 0212 NAYQ USS "Basilone" clg NRR SSB (French-MD) 
 0822 USS "Batfish" nuke atk sub clg Charleston Control (Chabak)
 0839 USS "Fort Snelling" wkg Com 2nd Fleet USB (Chabak-CO)
 0859 USS "W.S.Sims clg NWU USB (Chabak-CO)
 0944 USS "Hammerhead" nuke atk sub wkg Canaveral Control (Chabak)
 6521.8 0615 USCGC "Eagle" position rpt to Miami USB (Gebhardt-IA)
 0520 NRPN USC3C "Ironwood" OM EE tfc USB (Gebhardt-IA)
 0555 NRPX USCGC "Buttonwood" OM EE tfc USB (Gebhardt-IA)
 0612 NNGP USCGC "Cherokee" wkg Portsmouth USB (Gebhard+)
 0647 NGFH USCGC "Red Birch" clg NMN USB (Chabak-CO)
 0659 NRDC USCGC "Campbell" wkg NMO USB (Chabak-CO)
 0913 NODO USCGC "Mallow" wkg NMO USB (Chabak-CO)
 0948 NVES USCGC "Venturous" wkg NMN (Chabak-CO)
 8204.8 0450 "Ocean Ranger" wkg KMI USB (Beal-WA)
 1745 "Roanoke" OM EE clg KMI USB (Beal-WA)
 1746 "Tecla" WYB6223 OM EE clg KMI (Beal-WA)
 8220a 0000 SMUE "Ogden Amazon" OM EE wkg WOO AM (Gebhardt-IA)
 12430a 0515 "Mary Elizabeth" clg WHQ USB (Beal-WA)
 0530 "Typhoon" Y5116 OM EE clg WHG (Beal-WA)
 1540 "Cape Cod" WNZ35 clg IKXI & San Diego USB (Beal-WA)
 13125a 2217 "Orlana" OM EE wkg Portishead R. AM (Brick-MA)
 2225 "Rotterdam" cruise ship wkg Portishead R. AM (Brick-MA)
 12395 2205 "Seiko" tug OM EE wkg WOO USB (Gebhardt-IA)



AIRCRAFT

5611 0125 Aeroflot 330 OM EE clg NY Aeradio USB (Vecchiola-PA)
 6723 0210 Gull 20 hurricane hunter OM EE wkg Gull Monitor (Gebhardt-IA)
 8959 0020 Speedbird 660 OM EE wkg NY Aeradio (Vecchiola-PA)
 13222.5 0000 Steely 42 hurricane hunter OM EE tfc USB (Gebhardt-IA)


TACTICAL

6723 0708 RASPBERRY BARB Barber's Pt HI wkg CLIMAX USB (Chabak-CO)
 0842 BIDDY KADENA USNAS OM EE wkg SCHOOLBOY USB (Chabak-CO)
 0935 BIDDY ATSUGI USNAS Japan wkg SCHOOLBOY USB (Chabak-CO)
 6742 1805 RASPBERRY OCEANA wkg HOTEL 2 & Jacksonville Ctr (Brick-MA)
 11260a 0851 ORANGE JUICE NPN Guam wkg 7 VICTOR USB (Chabak-CO)

"SPY" NUMBERS STATIONS

2707 0035 YL GG 5-digit groups 0040 "Ende. Achtung" msg repeated USB (Olsson-CT)
 8845 0610 YL SS 5-digit AM QRM KO (Beal-WA)

RADIOTELETYPE

***ANTARCTICA:10130 0350 NGD USN McMurdo Sta tfc EE 100/850 (Green-UT) 
 CZECHOSLOVAKIA:9455 0140 OLI Prague tfc to Havana 66/425 (Green-UT)
 ENGLAND: 9120 0550 GPN29 Rugby RY test 66/425 (Green-UT)
 10959 0410 GPE30B Oxford RY test & EE nx Reuter (Green-UT)
 FRANCE: 16106 2055 AFP Paris FF press 66/425 (Brooker-MI)
 GERMANY, E.:11459 0540 DBX Koenigswusterhausen RY test 66/425 (Green-UT)
 ITALY: 11453 IMB3 Rome TY test 66/850 (Green-UT) 0320
 MOROCCO: 10413 CN057 Casablanca RY test 66/850 (Green-UT) 0600
 NEW ZEALAND:13380 0250 Wellington RY test & tfc to Noumea 66/425 (Green)
 POLAND: 9873 0210 SOJ28 PAP Warsaw EE nx 66/425 (Green-UT)
 *RUSSIA: 13046.5 UKA Radio Kriptogramma Vladivostok RR tfc (Green-UT)
 URUGUAY: 15772 CVM7 Reuters Montevideo financial nx EE/SS (Brooker-MI)

UNIDENTIFIED

If you can help with IDs of any of these, please write!

8273 0128 R9Q calling A1Z CW (Raiford-FL) Ltr-digit-ltr calls!?
 10140a 2144 VOA CC feeder. Site? LSB (Agner-NJ)
 11673 2305 WEO27 "QRA/WEO27/X5WER45" mkr CW (Watts-IN)
 12210 1515 KWL90 QRA mkr CW. Embassy? Whose? CW (Koizumi-JAPAN)
 12937 1348 HLG V mkr. So. Korean coastal, QTH? CW (Thompson-NM)
 12978 1550 ISB V mkr. Italian coastal, QTH? CW (Thompson-NM)
 13376 1810 HGX51 V-CQ mkr. Embassy or Hungarian State Dept? HGX21
 also hrd on this freq CW (Olsson-CT) "GA FIX" repeated.

LONGWAVE

Between July 10 & 19 Hank Holbrook-MD logged these Tall Ships of Operation Sail: "Esmeralda", Chile; "Eagle", USA; "Amerigo Vespucci", Italy; "Danmark"; & "Dar Pomorza", Poland on 156.6, 156.65, & 156.80 mhz.

73 & Hot Ute DK1 

QSL REPORTS



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

Verified Countries - 133

Deadline: 15th of month

*If You Don't Know Where You Are Going
Any Road Will Take You There*

ELLINIKI RADIOPHONIA - TILEORASIS
(GREEK RADIO - TELEVISION)

P.O. Box 19, Aghia Paraskevi, Athens, Greece
Tel.: 65.95.970 - Telex: 214066 - Cables: RADIOSTATHENS

Ref. 2208/M-76

Athens, 2nd June 1976

Mr. Robert F. Butterfield
P.O. Box 398
Belmont, Mass. 02178
U. S. A.

Dear Sir,

Further to your letter of May 9th we want to inform you that the correct name of our organization is Elliniki Radiophonia-Tileorassis (Greek Radio Television) and EPT the abbreviations.

Enclosed you will find the Short Wave Transmission Schedule for the period 2 May to 5 September 1976, of the Voice of Greece.

Yours sincerely

G. Tsoutsias
Asst. Director of Public Relations

I have felt a little bit like the one-liner above on the Greek Radio-Television deal, but the letter above tells all and is THE FINAL WORD on the subject. EPT it is, and we're right back where we were in April!

The country total above in is accordance with the SPEEDX/EDXC country list announced in July. With 74 reporters this month--18 reporting for the first time--and nearly 400 reports, there is no space to waste, so let's have at it.

Europe

- ALBANIA: R. Peking Relay, 7120, date/fqy blue/gold cd of bldg + pennant in 26d air, no rp (SMITH AL)
 R. Tirana, 7300, date/time "L'esprit Revolutionnaire" cd in 177d, no rp (HINDS TRIN); no fqy, same cd in 60d sfc (3rd try) for 2 IRCs (TALBOT WI)
- AUSTRIA: ORF, 6155, 9270, 15305, 15335, 17765, f/d cds. "Home of Joseph Haydns" in 45d air, no rp (YOUNG NJ); "Vorarlberg" cd in 27d air for 1 IRC (YAJKO PA), same in 35d, no rp (GROSS VA); cd w/"QSL" on it, in 28d, no rp (MEEHAN CT), same in 46d for 2 IRCs (MACRIS MO); "Graz-landhaus" cd in 25d for 1 IRC (SMITH MD), same in 29d (ORR CO), same in 48d for no rp (LOVERTI OH); "Wein--Meeting Place in the Heart of Europe" cd in 34d for no rp (ROMANI MI), same in 58d (PRATER OR); "Salzburg" cd in 70d, no rp (DURANT MD); "Tirol" cd in 26d, no rp (SMITH AL); "Lake Constance" cd in 38d, no rp (MAKISHIMA JAPAN); "Schloss Schönbrunn" cd in 45d, no rp (RADTKE CA); "Innsbruck" cd in 42d (ARAKI JAPAN)
- BELGIUM: ORU, 6055, date/fqy map cd in 127d sfc, no rp (LUNSTRUM FL); 9725, same cd in 37d air (GROSS VA); 9730, same in 52d (MACRIS MO), in 61d (SMITH AL), in 84d (SHEPARD NY)
- BULGARIA: R. Sofia, 9200, f/d "Ohrid University" cd + pennant in 96d, no rp (YOUNG NJ), same in 110d (PRATER OR), same w/o pennant in 120d for 1 IRC (SMITH MD)
- CZECHOSLOVAKIA: R. Prague, 5930, f/d "Lake Macha" cd, no time, no rp (MAHAFFEY OH); 7345, f/d "Levoca Castle" cd in 30d, no rp (KUKAN NJ), f/d "Brno Trade Fair Grounds" cd in 41d, no rp (HINDS TRIN), "Zadakov Bridge" cd in 25d for 1 IRC (ROSINSKI PA), "Zizko Square" cd in 80d for 1 IRC (SMITH MD), "view of castle" cd in 42d, 1 IRC (THOMPSON NM); 9540, "Peace Square" cd in 22d, no rp (ROMANI MI), picture of castle in 44d for 3 IRCs (DAVIS KY)
- FINLAND: R. Finland, 15110, f/d cd "Spring in Finland" in 36d air, no rp (FOWLER ONT), f/d "Summer in Finland" cd in 19d air + pennant, no rp (ROMANI MI), same cd in 15d, no rp (WAKISAKA JAPAN)
- FRANCE: R. France International, 17720, f/d FF cd "L'ile de la cite et la Seine" in 20d air, no rp (SHEPARD NY)
 FTH42 (std time and fqy stn), 7428, f/d b/w drawing of the "Observatoire de Paris" in 12d air, no rp (LUNSTRUM FL)
- GERMANY (Democratic Republic): R. Berlin International, 9730, f/d "Serie DDR-2" cd in 35d air for 1 IRC, v/s Rudi Friedel (SMITH MD); 11705, same in 40d, no rp (PRATER OR)
- GERMANY (Federal Republic): Deutsche Welle, 6075, date only cd w/painting of composition w/animals in 18d air (THOMPSON NM); 6085, "circles" cd w/veri statement only in 154d sfc, no rp (SOMERS CA), same in 197d sfc (ORR CO)
- GREAT BRITAIN: BBC, 6180, usual no data Thames cd in 30d (VOCKEROTH PA); 7325, same cd in 14d (ORR CO); 11750, same cd in 43d (MULLEN MT)
- GREECE: V. of Greece, 9760, f/d white cd in 17d air, no rp (GROSS VA), same cd in 32d, no rp (MAHAFFEY OH)
- HOLLAND: R. Nederland, 9715, "Eddie Startz Memorial" cd in 16d for 1 IRC (SMITH MD), same in 16d for MS (MACRIS MO), same in 17d, no rp (ROSINSKI PA)
- HUNGARY: R. Budapest, 6000, f/d cd w/sketch of church, 64d air, no rp + pennant (FOWLER ONT); 7200, f/d "purple cd w/white bldg", no time (MAHAFFEY OH); 7215, same purple cd in 36d, no rp (SMITH AL); 7215, black concentric circles cd in 63d, no rp (SMITH FL); 9833, f/d cd w/"R. Budapest SW club; are you a member?" in 70d sfc, no rp (SHAW CA); 17715, f/d purple globe cd in 46d air, no rp (ISHIZAKI JAPAN)
- ITALY: RAI, 6010, f/d cd "Il Settecento Italiano" in 152d, no rp (PRATER OR), same in 175d, no rp (ORR CO)
- LUXEMBOURG: R. Luxembourg, 6090, f/d antenna cd in 49d air for 2 IRCs (SMITH AL), same in 60d for no rp (REDMAN IL)
- MALTA: Deutsche Welle Relay, 6100, no detail cd in 5 mo (TROCHIMCZYK DC), circles cd + pennant in 2 mo, no rp (VOCKEROTH PA)
 IBRA R., 6055, f/d map cd + pennant in 6 mo air (ROGERS ONT); 9755, same cd in 8 mo, no rp (LEGGE VA), same cd in 330d for 1 IRC (BARON PA). Copy on next page. bc Xandir Malta, 9755, f/d?? ltr w/wrong date, time, and fqy in 240d sfc for 2 IRCs, v/s Victor Aquilina (BOWEN NS)
- MONACO: TWR, 7110, f/d map cd showing TWR xmtr lens, 14d air for 1 IRC (SMITH MD), same cd, no time, by air for 1 IRC (MAHAFFEY OH)
- NORWAY: R. Norway, 9645, f/d cd "Holidays in Norway" in 16d air, no rp (ENDZA CA), f/d cd "Trout fishing in Norway" in 29d air for 1 IRC (ROSINSKI PA), same cd in 60d air, no rp (REDMAN IL); 11860, "Holidays in Norway" cd in 21d air, no rp (ROMANI MI), no desc. cd in 25d air for 1 IRC (SMITH MD); 11870, "Local costumes from Sogn" cd in 80d, no rp (WATTS IN); 15175, "Trout fishing" cd in 22d, no rp (FOWLER ONT), same in 40d, no rp (CATEY IL), same in 52d, no rp (GROSS VA), Norwegian "country scene" in 30d, no rp (SHAW CA)
- POLAND: Polskie R., 9540, f/d "Bohaterom Warszawy"/"Polskie Radio DX-Club" cd in 94d air, 1st in series of five, no rp (BUTTERFIELD MA)
- PORTUGAL: R. Portugal, 6025, f/d cd "Lisbon--Church of the Hieronymites", 23d air, no rp (SMITH AL), f/d cd "Chapel of St. John the Baptist" in 15d (LUNSTRUM FL), same cd in 21d for 1 IRC (THOMPSON NM), f/d cd "Sailfreighters" in 14d, no rp (GROSS VA); 11935, f/d cd "Docks for pleasure boats" in 2 mo for no rp, PP rpt (ROGERS ONT)

Thanks to:

Henry DuRant
Kevin Fleming
Larry Talbot



PORTUGAL (continued): R. Free Europe, 9505, time/fqy blue/white, multi-lingual, RFE cd in 11d air, no rp (BAUMGARTNER ONT)

ROMANIA: R. Bucharest, 5990, f/d "Romanian Athenaeum" cd in 90d air, no rp (BOWEN NS), cameo cd w/pix of bldgs, etc in 3 mo for 1 IRC (SMITH MD); 9570, European map cd in 90d air, no rp (REDMAN IL), f/d map of Romania cd in 93d sfc, no rp (SMITH FL)

SPAIN: RNE, 6065, f/d xmtr site cd in 37d air, no rp (GROSS VA), same in 95d (LOVERTI OH); 11880, antenna cd + pennant in 24d air for 2 IRCs (THOMPSON NM), same cd in 30d for 2 IRCs (THOMPSON NM), same cd in 68d sfc for 1 IRC (THOMPSON NM), "Toledo" cd in 66d air for 1 IRC (MACRIS MO); 11920, cd, no desc., in 69d sfc, no rp (LUNSTRUM FL)

SWEDEN: R. Sweden, 9605, f/d map cd in 67d air, no rp (PRATER OR), same in 77d air, no rp (SMITH FL); 9695, same in 60d (REDMAN IL), 11705, same in 57d (THOMPSON NM); 15240, same in 62d for 1 IRC (ROSINSKI PA)

SWITZERLAND: SBC, 6135, date only cd "Cathedral Tower, Basle" in 61 & 63d sfc, no rp (THOMPSON NM), date/fqy cd "Carnival of Basle" in 72d sfc, no rp (DURANT MD), f/d cd "Lake of Lucerne" in 35d sfc, no rp (SMITH AL); 9535, b/w cd "New Years eve in Urnäsch" in 21d air for 1 IRC (SMITH MD); 9725, "Lake of Lucerne" cd in 60d air, no rp (RADTKE CA) f/d cd "Palace of Nations-Geneva" in 11d air, no rp (HARDESTER CA), Swiss National Tourist Office cd in 45d air, no rp (ENDZA CA); 11715, "Lake of Lucerne" cd in 47d sfc, no rp (KELLY WI), Palace of Nations cd in 16d for 1 IRC (BODELL OR), same in 25d for 1 IRC (ROSINSKI PA); 15305, same in 24d for 2 IRCs (HARDING CA)

USSR:

Byelorussian SSR: R. Moscow, 9655 (Orsha), 11960 (Minsk), "CMEA Building" cd in 43d for RM report form (MAYER IL), no desc. cd in 30d air (LEGGÉ VA)

Georgian SSR: R. Moscow, 11710 (Tbilisi), no desc. cd in 30d air (LEGGÉ VA)

Latvian SSR: R. Moscow, 12020 (Riga), no desc., 30d air (LEGGÉ VA)

Lithuanian SSR: R. Moscow, 11870 (Kaunas), "View of Kremlin" cd in 43d (Bowen NS), "CMEA Building" in 43d (MAYER IL)

R. Vilnius, 7310, stylized flower cd in 122d air for 1 IRC (BOYD NFLD); 7355, same cd in 3 mo sfc for 1 IRC + book on Lithuania (SMITH MD)

RSFSR: R. Moscow, 7100 (Moscow), 7150 (Moscow), 7310, 9500 (Moscow), 9530, 9700 (Moscow) 9720 (Kenga), 11730 (Serpukhov), 11805 (Kazan), 12010 (Serpukhov), 12040 (Armavir), 12050 (Khabarovsk), 12055 (Khabarovsk), 15200 (Kalach), 15210, f/d cds in 28-150d air.

"Kalinin Prospekt" (ROSINSKI PA)(GROSS VA)(SMITH AL)(ROMANI MI)(YAJKO PA)(SMITH MD)(MULLEN MT)(KUKAN NJ)(MILLER CA)(HINDS TRIN); "CMEA Building" (MULLEN MT)(MAYER IL)(RADTKE CA); no desc., (LEGGÉ VA)

R. Peace and Progress, 17790, f/d red cd w/stn logo and forest scene in 21d air, no rp (SMITH FL)

Ukrainian SSR: R. Kiev, 12050, circles'geometric design cd in 28d air, no rp (MULLEN MT) R. Moscow, 11735 (Vinnitsa), 11750 (Lvov), 11770 (Kiev), 11850 (Vinnitsa). f/d cds.

"Sputnik Memorial" in 40d air (SMITH FL), "CMEA Building" in 43d air (MAYER IL), green circle cd in 5 wks (VOCKEROTH PA)

Radiostantsiya Rodina, 19455, f/d "Radio Moscow" cds in 48 and 50d air for RR rpt and no rp (SHAW CA)

Uzbek SSR: R. Tashkent, 9540, f/d building design cd w/wrong fqy in 79d air, no rp (PRATER OR)

Editor's note: In accordance with the SPEDX/EDXC country list which considers the Soviet Union a single radio country, I will no longer list the USSR under both Europe

and Asia, but only under the former. Individual Soviet Republics will continue to be listed alphabetically as above. Note that xmr sites have been indicated where known. Please do not assume a transmitter site. R, Moscow will usually indicate the xmr site on the QSL if you ask for it (in a nice way, of course). Also, please include a brief description of all cards--space is too tight to merely list cards as received. I might add that Alan Mayer had nice reports and fqs verified on a single card. Can anyone beat that record (for any station)? (Possible contest for you here, Jack)!

VATICAN CITY STATE: Vatican Radio, 9995, f/d antenna cd in 56d air, no rp (SMITH AL); 9605, same cd in 19d air, no rp (FOWLER ONT)

YUGOSLAVIA: R, Belgrade, 9620, f/d folder cd w/pix of Yugoslav sea town, 65d air, no rp (SHEPARD NY), f/d "Sv. Stefan" cd in 95d air for 1 IRC (BOYD NFLD)

Africa

ALGERIA: Rdif. TV Algerienne, 11810, f/d white logo cd w/veri in FF and AA, 105d air for 2 IRCs and FF rpt (BOWEN NS)

ASCENSION ISLAND: BBC Relay, 17840, Parliament Bldg cd in 57d sfc, no rp (GROSS VA)

CANARY ISLANDS: RNE, 15375, cd, no desc., in 30d air, no rp (LEGGE VA)

CONGO (People's Republic): Rdif. TV Congolaise, 15190, f/d FF ltr in 21d air, no rp (KUKAN NJ)

EGYPT: R, Cairo, 9805, 1st serial, 4th scene cd in 36d air, no rp (LUNSTRUM FL)

ETHIOPIA: ETLF, 7165, f/d cd w/ETLF scenes, 88d air for 2 IRCs (BIXBY CA), same in 129d air for 2 IRCs (THOMPSON NM); 11830, same cd in 175d air, no rp (ROUTENBURG ONT); 11885, same cd in 119d air, no rp (MAKISHIMA JAPAN)

GABON: Rdif. TV Gabonaise, 4777, date/time map cd, veri ltr w/fqy, 52d air for 2 IRCs and FF rpt (SHEPARD NY)

GHANA: CBC, 3366, usual cd in 73d sfc, no rp (LUNSTRUM FL); 4915, same in 30d sfc, no rp (GRENIER CA)

LIBERIA: ELWA, 11945, f/d native drummer cd in 33d sfc, no rp (PRATER OR)

MALAGASY (Republic): R, Nederland Relay, 11730, f/d EDXC cd in 84d sfc, no rp (DuRANT MD)

MALI: Rdif. Nationale du Mali, 5995, f/d map cd in 77d air for 2 IRCs (ORR CO)

MOZAMBIQUE: R, Mocambique, 4865, f/d world map cd in 13d air for 2 IRCs, PP rpt (WYLLIE MA)

NIGERIA: VON (Ibadan), 3204, f/d green/white cd in 63d air, no rp (WYLLIE MA); 7275, same cd in 27d air (LUNSTRUM FL), same in 30d (VOCKEROTH PA), same in 30d (GRENIER CA), same in 35d for 1 IRC (returned) (GROSS VA), same in 86d (PRATER OR)

RWANDA: Deutsche Welle Relay, 7225, f/d African map cd in 14d air, no rp (SMITH AL); 15410, same in 17d air for 2 IRCs (SOMERS CA), 17765, same in 7 wks (VOCKEROTH PA)

SEYCHELLES: FEBA, 11810, f/d orange/white map cd in 21d air for MS, v/s Mary Bemy (LUNSTRUM FL); 15160, same in 14d for 3 IRCs (ISHIZAKI JAPAN)

SOMALIA: R, Mogadishu, 9585, f/d SBS antenna cd in 42d air for 1 IRC (TFAUTSCHOLD WI), same in 49d air for 2 IRCs (FAUMGARTNER ONT), same in 68d air for 1 IRC (PIERCE MO)

SOUTH AFRICA: RSA, 5980, 9585, 21535, f/d cds in 15-40d air for no rp. "haffirboom" tree (SMITH AL)(BOWEN NS)(BENSON VA), "Springbok" (KUKAN NJ)(DuRANT MD)(ARNESON MO), "Coral Tree" (MILLER CA), "White Rhino" (VOCKEROTH PA)

SABC, 4835, usual f/d "Industries" cd in 18d air, no rp (YOUNG NJ)

TANZANIA: R, Tanzania, 15435, date/fqy "Sauti ya Tanzania" cd in 267d air for 3 IRCs (BODELL OR) Second try.

TOGO: Rdif. du Togo, 5047, f/d globe cd in 25d air for 1 IRC (SHEPARD NY), same in 58d for 1 IRC and FF rpt (LAUSEVICH WI)

ZAIRE: la Voix du Zaire, 15350, date only reg. ltr in 120d for no rp, v/s Edope Mondengele (WATTS IN)

Asia

CHINA (People's Republic): R, Peking, 7120, date/fqy cd "Timber forests of Changpai Mountains" + 2 pins in 15d air for 1 IRC (SMITH MD); 9780, "People's Hall" and "Picture of two girls" (2 cds) in 24d air for 2 IRCs + lapel pin (WOLTMAN WI); 11650, "Timber Forests" cd in 17d, no rp (SOMERS CA)

CHINA (Republic): V. of Free China, 15245, f/d cd "Red trees in the mountains" in 102d sfc, no rp (PRATER OR), same in 279d sfc for 2 IRCs (returned) (THOMPSON NM), "Old art card" + pennant in 150d sfc (RADTKE CA); 17890, "Red trees in the Mountains" cd in 120d + pennant for 1 IRC (ARAKI JAPAN), f/d cd w/painting of palace of 18th and 19th century Ching Dynasty in 278d sfc for 1 IRC (THOMPSON NM)

INDIA: AIR, 4825, "Howrah Bridge" cd w/date only in 16d air for 1 IRC and EE rpt (WAKISAKA JAPAN)

INDONESIA: RRI Sorong, 4872, f/d Indo ltr in 46d air for MS and Indo rpt (HARDESTER CA)

RRI Pekanbaru, 5885, Indo ltr w/confirmation + sked in 27d air for Indo rpt and 1 IRC v/s Azil Azwar (WAKISAKA JAPAN)

RRI Banjarmasin, 5968, Indo ltr w/confirmation in 28d air for Indo rpt and 1 IRC (WAKISAKA JAPAN)

IRAN: V. of Iran, 9022, cd w/full veri in 37d for 1 IRC and bilingual rpt form (what languages, Arnold?) (LAUSEVICH WI); 15084, f/d TV studio cd in 17d + pennant (MEEHAN CT)

ISRAEL: IBA, 9815, fgy only "Western Wall" cd in 71d air, no rp (PRATER OR), f/d "Knesseth Menorah" cd in 37d air, no rp (ROGERS ONT); 11625, f/d cd "View toward Shrine of the Book and Knesseth" in 35d air, no rp (GROSS VA), color photo of Jerusalem, in 30d for 1 IRC (SMITH MD); 12045, f/d "Knesseth Menorah" cd in 21d air, no rp (BERNSTEIN GA)

JAPAN: NSB, 2995, f/d "Tokyo Forum" cd in 29d air for 2 IRCs (CLEVELAND CA)

R. Japan, 5990, 2505, 15105, 15270, 15300, 15430, 17880. Date/fgy cds in 9-30d air for no rp or 1 IRC. "Hakata Doll" (MILLER CA)(YAJKO PA)(THOMPSON NM)(ROMANI MI)(LOVERTI OH)(HINDS TRIN)(GROSS VA)(HARDING CA)(TOMORI HI)(FOWLER ONT), "Noh Mask" (ROGERS ONT), "Yakko" (CLEVELAND CA)

KUWAIT: R. Kuwait, 11845, f/d tri-folded "Castle" cd in 32d air, no rp (GROSS VA), f/d "Kuwait History" folder cd in 39d air for 1 IRC (TRAUSCHOLD WI); 11940, f/d folder cd w/info on country and stn, in 30d air, no rp (TWIGGS CT)

MALAYSIA: BBC Relay, 7180, "f/d cd "Outdoor art exhibition" in 19d for 1 IRC (ARAKI JAPAN) 11955, same cd in 15d air for JJ rpt (ISHIZAKI JAPAN)

R. Malaysia, 2665, map folder cd in 20d air for no rp (RADTKE CA)

PHILIPPINES: AFRITS, 5995, cd, no desc., in 3 wks, no rp (SPARKS CA)

FEBC, 15440, f/d cd w/painting of huts and cart, in 50d air for 3 IRCs, v/s Joan Ross (LOVERTI OH)

R. Veritas, 15260, f/d cd w/picture of stn, 125d air, no rp (MAKISHIMA JAPAN)

VOA, 11760, date only "Capitol" cd in 30d air, no rp (ISHIZAKI JAPAN)

VOP, 2580, f/d cd and ltr in 15d air, no rp (MILLER CA)

QATAR: QBS, 25702, pc w/fgy and wrong date, in 16 mos (8 mo after 1st f/up, 2 mo after 2nd f/up and ltr to embassy). Ltrs, SPEEDX rpt forms, IRCs, and FF ltrs (WICKETT MD)

SARAWAK: R. Malaysia, Sibn, 5005, cd in 17d for 1 IRC (SPARKS CA)

TURKEY: V. of Turkey, 2515, f/d cd "Bosphorus Bridge" in 41d air + pennant, no rp (YOUNG NJ), f/d cd "Karagöz and Hacivat" in 47d air, no rp (PRATER OR), f/d cd "Nasreddin Hodja" in 48d air, no rp (SMITH FL); 11880, "Nasreddin Hodja" cd in 17d air, no rp (PETERS KY), same in 31d air, no rp (SMITH FL), same in 33d air for 2 IRCs (ROMANI MI) "Karagöz and Hacivat" cd in 13d air for 1 IRC (SMITH MD), same in 39d air for no rp (GROSS VA); no fgy, "Keloglan" cd in ??d for ?? postage (MARKIEWICZ MI), no desc. cd in 83d for 2 IRCs (WORMAN WI)

VIETNAM (Democratic Republic): V. of Vietnam, 10040, f/d veri form in 3 mo for 1 IRC (LEGGE VA), f/d paper "Polar Bear in Snowstorm" cd in 2 mo, no rp with envelope completely ripped open (CIA is still on the job!) (TWIGGS CT); 15012, f/d plain white paper w/seal, 64d, no rp (SHEPARD NY)

YEMEN (People's Democratic Republic): Democratic Yemen Broadcasting Service, 7190, date/fgy pink cd w/drawing of antenna and emblem in 91d air, no rp, EE rpt. QSL in EE/AA (ROUTENBURG ONT)

Oceania

AUSTRALIA: ABC Melbourne, VLR9, 9680, f/d map cd in 48d air for 2 IRCs (HARDING CA); VLH15, 15230, same in 90d air, no rp (SHAW CA)

ABC Perth, VLW9, 2610, f/d Western Australia map cd in 48d sfc, no rp (BERNSTEIN GA); VLW15, 15425, same in 17d air for 2 IRCs (SOMERS CA)

R. Australia, 5995, 9580, 11810, 15160, 15190, 15355, 15410, 17870. f/d cds, v/s Peter Homfray or P. Koch, in 60-182d sfc for no rp, 17-102d air for 1 IRC, 16d air for 2 IRCs, 13d air for 3 IRCs; all rpts EE xcpt one JJ in 130d. "Blue Wren" (HARDING CA)(ROGERS) "Erimrose Orchid" (GEBHARDT IA)(MAKISHIMA JAPAN), "Scarlet-Crested Parakeet (HARDING CA) (TOMORI HI)(SMITH MD)(MILLER CA)(ISHIZAKI JAPAN)(SMITH TN), "Kangaroos" (SMITH FL), "Grass Tree" (DuRANT MD)

NEW ZEALAND: R. New Zealand, 6105, f/d cd of cows w/snow capped mountain in 21d air for no rp (GROSS VA), f/d cd of man and woman fishing from boat, no time, 1 IRC (MAHAFFEY OH); 2585, f/d cd w/pasture scene in 52d air for 2 IRCs (LOVERTI OH); 11705, cows and snow capped mountain cd in 20d air for 2 IRCs (THOMPSON NM); 11845, f/d cd of soccer game in 14d air for MS (OWSLEY CA), f/d cd of fishing scene, in 123d sfc for no rp (PIERCE MA), f/d cd of cable car in the country, in 120d sfc for no rp, v/s B.G. Broadhead (ARNESON MO); 15130, f/d cd of cricket match in 25d air for 2 IRCs (HARDING CA)

PAPUA NEW GUINEA: R. Madang, 3260, f/d veri ltr in 15d air for EE rpt and 1 IRC, v/s L. Sambure (WAKISAKA JAPAN)

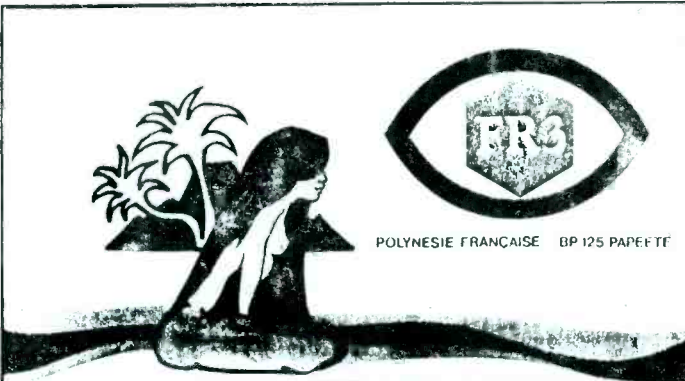
R. Southern Highlands, 3275, f/d EE ltr in 5 mo air for EE rpt and 1 IRC, v/s Aloysius Sahoto, Stn. manager (WAKISAKA JAPAN)

NBC Port Moresby, 4890, f/d form ltr in 21d air for 3 IRCs, v/s C. Ketsimur (LOVERTI OH), same in 78d sfc for 1 IRC (ISHIZAKI JAPAN), same in 96d air for 2 IRCs (ARAKI JAPAN), same in 148d sfc for no rp (ROUTENBURG ONT)


TAHITI: FR3, 11825, f/d cd w/island girl (see next page), in 30d air for 2 IRCs and EE rpt (MILLER CA); 15170, same cd in 24d air for 1 IRC and FF rpt (MAYER IL), same cd in 19d air for 1 IRC and EE/FF rpt on tri-lingual rpt form (COHEN NY), same cd in 86d air for no rp and EE rpt (PRATER OR), same cd in 70d air for 1 IRC and EE rpt (THOMPSON NM) (The inference is clear--either report in FF or send 2 IRCs with an EE rpt. bc)

To get maximum attention, it's hard to beat a good, big mistake.

Thanks to
 Brian
 Baumgartner



POLYNESIE FRANCAISE BP 125 PAPEETE

Tahiti 

FREQUENCES

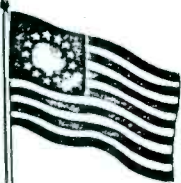
740KHZ	20KW
6135 KHZ	4KW
9750KHZ	4KW
11825 KHZ	20KW
15 170 KHZ/	20KW

South America


BRAZIL: R. Cultura de Cuiaba, 5055, ltr + 10 picture pcs, 1 mo after f/up for MS, v/s Manoel Garcia, Gerente (SPARKS CA)
 R. Aparecida, 9635, f/d cd of stn buildings in 90d sfc, no rp, v/s Olivio Castro (PRATER OR)
COLOMBIA: LV de la Selva, 6170, ltr and pennant + pc in 1 mo after f/up for MS, v/s Eduardo Bahamon Horta (SPARKS CA)

Thanks to
 Bob
 Kukan

Bicentennial 1776-1976



Liberty


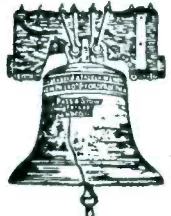


Freedom

"In God We Trust"

★ ★

A special QSL to commemorate the 200th anniversary of The United States of America & the 5th anniversary of I.P.C.E.A.; together, we are dedicated to life, liberty, and the pursuit of D.F.

ECUADOR: R. Quito, 4923, no data, multi-lingual "thank you" cd in 173d sfc for 2 IRCs, SS rpt, v/s Fernando Fegan (BAUMGARTNER ONT)
 HCJB, 5970, 6095, 9560, 9715, 11745, 11915, 15300, 17780. f/d cds in 19-93d for no rp, 81d for 1 IRC, 53d for 3 IRCs, and 5-38d for MS; v/s Sam Rowley, Hubert P. Jacobson and DON JOHNSON??? (Who he?). "No. 1 Woodcarving in Ecuador" (VOCKEROTH PA), "Bread Dough Owl" (KUKAN NJ), "No. 2 in Bread Doll" series (GROSS VA), "Bread Dough Llama" (TALBOT WI) "DX Party Line 15th Anniversary" (YAJKO PA)(FOWLER ONT), "Andean Indian" (ARAKI JAPAN) "Japanese Broadcast 12th year congratulation cd" (MAKISHIMA JAPAN), SPEEDX Bicentennial cd (MEEHAN CT)(TALBOT WI)(THOMPSON NM)(MILLER CA)(KUKAN NJ)(YAJKO PA), "Phase 6 RCA xmtr" (SMITH FL), "Album Series #4 (YAJKO PA), "Album Series #5 (YAJKO PA), "35th Anniversary QSL series III, IV, V, and VI (MILLER CA)
GUYANA (French): FR3, R. Cayenne, 3385, FF cd for FF rpt, 1 IRC in 4 mo (TROCHIMCZYK DC)

URUGUAY: Rdif. del Uruguay (R. El Espectador), 11835, f/d white cd w/SS veri in 50d air for MS and SS rpt, v/s Jorge Cubilo (WYLLIE MA)
VENEZUELA: R. Universo, 4880, date only network cd in 36d air for MS, SS rpt (BAUMGARTNER)
R. Rumbos, 4970, f/d "La Casa Fuerte" cd in 123d sfc, no rp, SS rpt (PRATER OR); 9660, f/d cd of Caracas street by night, 110d sfc for MS and SS rpt (ROUTENBURG ONT), f/d pix of Simon Bolivar's resting place, 107d air for 1 IRC, SS rpt (THOMPSON NM)

North America

BELIZE: R. Belize, no fqy, map cd in 14d for 1 IRC (WICKETT MD)
CANADA: CBC Northern Service, 5960, f/d bear carving cd in 26d sfc, no rp (THOMPSON NM); 2625, same cd in 11d (GROSS VA), same in 50d sfc for 1 IRC (TOMORI HI)
CHU (time and fqy), 3330, date/fqy "Sir Sanford Fleming" cd in 21d sfc, no rp (ROSINSKI)
7335, same in 15d air (ORR CO), same in 14d air (MACRIS MO), same in 30d sfc (SHAW CA)
CKZU Vancouver, 6160, date/fqy blue/white "Regional Broadcast Center" cd in 12d sfc for MS (ROUTENBURG ONT)
RCI, 6085, "Do-it-yourself XXI Olympiad" cd in 25d sfc (SMITH TN); 9650, same in 23d sfc (YAJKO PA); 9655, same in 11d (SMITH AL), same in 42d sfc for 1 IRC (TOMORI HI); 11765, same in 25d air (BODELL OR); 11825, same in 24d air (HINDS TRIN); 11855, same in 28d sfc (MULLEN MT); 15325, same in 21d sfc (MAYER IL)
COSTA RICA: R. Capital, 4832, f/d SS ltr in 30d for 1 IRC, EE rpt (VOCKEROTH PA)
R. Casino, 5954, f/d green cd + pennant in 2½ mo, no rp, EE rpt (TWIGGS CT)
Faro del Caribe, 9645, yellow/purple cd + pennant in 70d air for MS (LUNSTRUM FL)
CUBA: R. Habana, 9525, f/d yellow circles cd in 41d, no rp (GROSS VA), same in 61d + ltr (WORMAN WI); 11760, same in 217d air, no rp (YOUNG NJ)
DOMINICAN REPUBLIC: R. Mil, 4930, f/d form ltr in 17d air for 2 IRCs (ORR CO), same in 25d air for MS, SS rpt (BAUMGARTNER ONT)
R. Clarin, 4850, SS form ltr in 24d for SS rpt, v/s Lilly Morales (TROCHIMCZYK DC); 11700, same in 15d for MS and SS rpt (ROUTENBURG ONT), same in 18d for SS rpt (YOUNG NJ)
GRENADA: R. Grenada, 15105, f/d brown cd in 55d air, no rp (SHEPARD NY), same in 70d sfc for 2 IRCs (BOWEN NS), same in 73d sfc for 3 IRCs (YAJKO PA)
GUATEMALA: R. Cultural, 3900, date/fqy "Quetzal Bird" cd in 22d, 2 IRCs (LOVERTI OH)
HAITI: R. 4VEH, 3345, EE form ltr for SS rpt and IRC in 4 mo, v/s Mardy Picazo, Tech. Dir. (TROCHIMCZYK DC); 9770, f/d studio cd in 166d for 1 IRC, v/s Edna Beachy (WATTS IN); 11835, same in 90d, no rp (REDMAN IL), same in 90d, no rp (GRENIER CA), same in 118d, 1 IRC (PRATER OR), same in 123d, no rp (SHEPARD NY)
HONDURAS: LV Evangelica, 4820, EE cd in 15d for EE rpt and rp (TROCHIMCZYK DC)
NETHERLANDS ANTILLES: R. Nederland Relay, 6165, f/d Eddie Startz Memorial cd in 31d air, 1 IRC (MULLEN MT), same in 14d air, no rp (MILLER CA), EDXC cd in 91d sfc (DURANT MD), New Lutheran Church cd + pennant in 30d (VOCKEROTH PA), "Happy Station" cd in 24d air (MILLER CA), map cd w/GMT time zones in 14d air (MILLER CA), Wereldomroep-Hilversum cd in 16d air (YAJKO PA)
UNITED STATES: AFRTS, 9755, f/d insignia cd in 17d sfc, no rp (MACRIS MO); 11790, same cd in 7d (RAIFORD FL); 15330, same cd in 14d (GEBHARDT IA); 17765, same in 15d (DEAN OH)
United Nations R., 15410, f/d blue/white cd w/UN emblem in 35d for MS (MACRIS MO), same in 15 wks (VOCKEROTH PA)
VOA, 15250, f/d "Capitol" cd in 9d (VOCKEROTH PA); 17895, f/d "Kennedy Center" cd in 8d (DEAN OH)
WINB, 17720, f/d microphone cd in 9d for MS (MACRIS OH)
WWV, 15000, f/d Arapahoe Chief cd in 15d (GROSS VA)
WWVH, 10000, f/d Aloha cd in 88d (ROSINSKI PA)
WYFR, 6155, f/d microphone cd in 20d, no rp (COHEN NY), same in 11d for MS (SPARKS CA); 11805, no desc., no time + ltr for 1 IRC (SMITH MD)



Juergen Trochimczyk correctly identified the language last month (Amharic--the official language of Ethiopia) but missed on the translation (NO SMOKING -- STOP YOUR MOTOR), a sign that is, or should be, on every gasoline station in the country. Here is another that should be readily recognizable by all, and translatable by quite a few.

火車軌交點 - 雙軌

Ted Poling informs me that he is out of HAP patches so future winners will receive through the courtesy of SPEEDX HQ, one of the new and hard-to-get SPEEDX pennants; I will still donate five bucks to HAP for each winner. So take a shot at it, help out HAP, and earn yourself a pennant. Remember, the first letter in with the correct translation is the winner (in case of ties, an impartial judge --me-- will decide the winner). If there is no winner, the first one in that correctly identifies the language receives a picture of beautiful downtown Visalia.

Finally, another reminder that all of the reports listed in the preceding pages were in English unless another language was specified, a few were specifically listed as EE when another language might have been assumed. And so, this final thought for the month--

A head is what you have to use to get.
Amharic sign by Ms Yemewdish (Minnie) Seifu.

73's, Bill

8/16/76

Tips and Topics

The Feature Section of SPEEDX

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

A TRIP TO THE NATIONAL RADIO CO. INC., MELROSE, MASS.

by Allan Stuart

Some time ago I had the good fortune of being able to purchase an HRO-500. When my receiver was ready, instead of having the receiver shipped, I decided to pick up the set due to the proximity of Melrose. It was a good decision for two reasons. I was given personal instruction in the use of the HRO-500 which was very valuable, and I was able to see some of the manufacturing process and testing performed on National equipment.

Much of the construction of the equipment is done in the National plant in Maine. The construction performed in Melrose is done in one large room equipped with benches. The room is divided in sections for the work performed on different sets. One area is for the HRO-500, another for the HRO-600 etc. Other areas of the room are allocated for the production of parts. Many of the components for National sets are produced in the National plants. A prime example of this is the special transformer used in the NCX-1000 transceiver. I saw the construction of some induction coils and chokes. The construction of the parts and equipment is done by hand with the help of machinery and tools and not the other way around as is true of automated lines.

The testing procedures are perhaps even more interesting than the construction process. The testing includes environmental and vibration tests, also a 10 hour burn-in. The environmental tests involve the effect of temperature and humidity. For this, a cold room, warm room, and humidity rooms are used. I could not see the whole process because these environmental tests take weeks. For the vibration tests, the piece being tested is simply put on a shelf and vibrated. This test is to see if there are any loose connections. The burn-in requires 10 hours and after this period the performance of the piece is tested. The HRO-500, as an example, must pass all these tests in order. If the receiver fails any one test the problem is corrected and the entire testing procedure is started over again.

All the performance standards of each set are checked. Those tests or alignments which require a low background level are performed in a special insulated room. The walls and ceiling of the room are made of copper mesh. They look like window screens but with a finer mesh. The floor is also insulated with copper mesh. Inside the room only incandescent lamps are used. The wires for these lamps are heavily insulated. These precautions reduce the background noise levels to virtually zero.

All in all the trip was an interesting and valuable experience. If any of you have a chance to visit a place like the National Radio Company, it should prove to be well worth your while.

IS A VERIFICATION CARD REALLY A VERIFICATION?

by Hirokazu Koizumi

In sending reception reports to utility stations, the chances are great that the report will be misdelivered to a broadcasting station because the utility station may not be widely known. For example, the report I sent to Singapore Radio GXM was misdelivered to Radio Singapore and, of course, they did not verify my report.

On the other hand, when I heard HEB in Switzerland on 8601 kHz and sent a report, SBC replied with full verification. I don't know why the letter to HEB went to SBC but I do know that SBC confirmed the report even though its contents did not relate to their schedule. Disgusted, I sent back the card to SBC and concluded that many stations verify reports without checking if the contents are correct.

When I heard the Japanese service of the BBC on 18080 kHz, the QSL stated 9725 kHz. When I heard the North American Service of Radio Moscow on 7235 kHz with some QRM from Deutsche Welle on the same frequency, they confirmed "my reception" of 7200 kHz. This is probably due to the fact that Radio Moscow did not announce 7235 kHz in their broadcast and this frequency may not have been known to the English Section.

Of course, the difficulty in obtaining verification cards has been discussed many times by DXers. However, at the same time, we should consider how reliable they are. Verification cards are not just picture cards that broadcasting stations send to listeners thanking them for their interest but are letters of verification that should contain the "correct" date, time, and frequency. I think the time has come for us DXers to compile a list of stations that send out reliable verification cards as well as a list of stations that do not.

A VISIT TO RADIO NEPAL

by Adrian Peterson

Nepal is one of the most beautiful countries in the world. Land-locked high in the Himalayas, the wide verdant valleys and the majestic snowcapped towering mountains are a tremendous scene of beauty. On my second visit to Nepal earlier this year, I took the opportunity to visit the three installations of Radio Nepal. The Director of the station cordially issued me several QSL's for reports which I delivered personally and he gave me some information concerning his station.

Radio broadcasting began in Nepal back in 1951. The first studios and transmitter were housed in a building previously used by a private school. The first studios were improvised and the first transmitter emitted a modest 250 watts on tuned SW frequencies.

One year later this 250 watt transmitter was on the air some 3½ hours daily on the 41 meter band frequency of 7100 kHz. In 1962, a 5 KW transmitter was donated by Australia and this was used for SW broadcasting and the original 250 watt transmitter was tuned to the MW frequency of 1500 kHz.

Seven years later, that is, 1969, the British installed two Marconi transmitters; a 100 KW transmitter for use on shortwave and a 10 KW transmitter for use on MW. The MW frequency was 790 kHz.

Today, four major buildings are used by Radio Nepal. Two of these are the studio and administration buildings located in the Secretariat area of Kathmandu. The older transmitter building is located at Jawaralakh and houses four transmitters: 2 SW transmitters of 5 KW each and 2 MW transmitters of 1 KW each. The MW transmitters are used as standby equipment to replace the newer 10 KW transmitter mainly in the event of a power failure at the other location. One of the 5 KW SW transmitters is on the air daily and at the present time on the frequency of 5007 kHz.

Two additional transmitters are located on a new site at Kumatar. These are the Marconi 100 KW for use on SW and the 10 KW for use on MW. Both transmitters are in constant daily use. A modern antenna farm permits maximum flexibility in tuning the SW transmitter to the various international broadcasting bands and the MW transmitter emits signals from a standard vertical radiator.

Programs are carried from the studios to the transmitter via a landline and a VHF FM link is available as a back-up system.

Currently Radio Nepal is on the air 85 hours a week at 0020-0350, 0720-1020, and 1150-1720 GMT on 790 kHz (10 KW), 3425 kHz (100 KW), and 5007 kHz (5 KW). English news is broadcast daily at 0220 and 1450 GMT.

VOP'S RADYO PILIPINAS - ON-THE-AIR STILL

by Bill Miller

The Voice of the Philippines (VOP) is the name given to the composite radio services of the National Media Production Center, the official information gathering-disseminating agency under the Office of the President.

VOP is made up of two services, namely, the home or domestic service, and Radyo Philipinas, the overseas service.

At home, through its network of rural stations spread widely across the country, VOP's principal function is to act as mouthpiece in the dissemination of development information. Its aim is to inform, educate and render service to the public, to make them think, act and behave in the interest of the nation.

Abroad, VOP, through broadcast and sustained correspondence, is committed to make the Philippines known, to augment national efforts in foreign relations, to promote tourism and to contribute to international endeavors in the attainment and maintenance of peace and amity.

The main studios and offices of the home service are in Intramuros, Manila, while the facilities of Radyo Pilipinas are located in historic Malolos town in Bulacan, some 42 kilometers north of Manila.

The Voice of the Philippines was established in 1969, following acquisition by the Philippine government of the Voice of America complex in Malolos after a series of negotiations between the Philippine and American governments. The facilities included transmitters and rhombic towers for shortwave transmission. Both VOP services were equipped to operate with a power of 50 kilowatts on frequencies 920 kHz mediumwave for domestic and 9580 kHz shortwave for overseas.

From the beginning, VOP has adopted a flexible programming pattern consistent with developments. So it is that since its inception, VOP has constantly undergone changes and innovations in programming dictated by commitments at home and abroad.

Today, among the main thrusts of government policy are toward the areas of tourism and foreign relations. Consequently, VOP's programs have been re-evaluated and re-directed to conform to the requirements of the national objective. However, although both services follow the same general guidelines, Radyo Pilipinas implements with greater concentration than its domestic counterpart, for obvious reasons. So, whereas the home service allots minimal air time in support of the objective, Radyo Philipinas entirely devotes its programming to it.

Ergo, "Halina sa Pilipinas" (Come to the Philippines), "The Philippines Today," "The Philippine Economic Digest," "Musika sa Pilipinas" (Music from the Philippines), "Rural Philippines," etc. - these are the sort of programs one will hear over Radyo Pilipinas. They tell of the Philippines and the people. They incise deep into the character of the race, its culture, traditions, political system and economy. They aim to inform as well as to motivate. And seen against the light of its technical and logistical position, Radyo Pilipinas has had more than modest success.

Utilizing vintage '46 equipment and facilities, it has had to keep constant repairs and meticulous maintenance of same. It has had to operate on only one frequency (9580 kHz) because of the lack of a vital tool, a frequency counter. It has had to concentrate all its meager power (50 KW) on a single beam at a given time. It has had to borrow outside equipment or use other stations' facilities in producing sensitive material. And it has had to operate without monitoring stations or personnel in the areas serviced.

No less difficult than the technical problems are the questions of personnel and production. In the present setup, Radyo Pilipinas has a complement of five producers-announcers, one librarian-researcher and one traffic officer. The rest are in the technical staff of VOP. Given these figures, one wonders how a complement of seven can produce regular programs (three to every producer-announcer) going through the usual phases of research, collation and evaluation of material, putting material in script form to actual voicing, and at the same time attend to a myriad of other duties like special productions, correspondence, attending meetings, traveling to and from Malolos, submitting reports, etc. It is difficult and exacting.

Against the foregoing difficulties, the staff of Radyo Pilipinas has managed with surprising results. Feedback has increased tremendously in recent years, now totalling 1,500 letters a month from a scant 50 or so letters previously. Since 1972, when the tourism campaign went to high gear, a total of 60 Radyo Pilipinas listeners from different countries have visited the Philippines, the direct result of on-the-air "come-ons." And today, more schools and embassies abroad are engaged in information exchange programs with Radyo Pilipinas. The amount of goodwill gained because of these is immeasurable.

These achievements, though not spectacular or readily discernible, are something to pride over. But Radyo Pilipinas staffers are not crowing. They are far from satisfied. They are certain that much more could be achieved. They recognize the optimum possibilities in Radyo Pilipinas and the advantages it could bring to the country. They have visions of Radyo Pilipinas being as big and efficient as NHK, or even BBC. They bewail the fact that other people do not.

Radyo Pilipinas personnel are not easily discouraged though. They are all used to difficulty and will not let it get them down. They also feel that sometime, changes will have to happen, and they want to be there when they do. In the meantime, they just tirelessly toil on, aware of the responsibilities of their job and their commitment to a cause.

PROGRAM REVIEW

by Steve Gelfand

"SIMON AND GARFUNKEL: TOGETHER AND ALONE," BBC WORLD SERVICE.
WRITTEN, PRODUCED AND NARRATED BY STEWART GRUNDY.

This program is a good example of what a "musical biography" should be. It was entertaining, informative, accurate and complete. The six parts explored the careers of Paul Simon and Art Garfunkel from the beginnings of their partnership under the name of "Tom and Jerry" (Their one hit: "Hey Schoolgirl") through their breakup and subsequent solo efforts.

Part one was the most interesting to me because it dealt with Simon and Garfunkel in their pre-"Sound of Silence" days. Besides the Tom and Jerry recordings in the late fifties, Paul went on to record solo under different pseudonyms after the Tom and Jerry act fizzled. As "Tico and the Triumphs" Paul had a minor hit with "Motorcycle" and then used his songwriting non-de-plume of "Jerry Landis" and released the novelty record, "Lone Teen Ranger." The BBC's record library was put to good use in part one. "Lone Teen Ranger" was a featured song and it gave listeners an unusual chance to hear some early sixties Paul Simon since these records are quite hard to find now. (For collectors, the Tico and Landis material was released on the Amy label).

Parts two through six traced the careers of Simon and Garfunkel from the "Sound of Silence" success through even greater popularity with "The Graduate," "Bookends," "Bridge over Troubled Water" and later solo recordings. Furthermore, interview excerpts with both Paul and Art were plentiful and Stewart Grundy's narration, writing and production were flawless.

The program was a marvelous series and one which I recommend. It is a worthy tribute to two of America's most popular recording artists. Be sure to catch this series if it is ever rerun on the world service or if it is purchased for use by a radio station in your area.

Best dx,
Arthur

SEPTEMBER CONTRIBUTORS PAGE

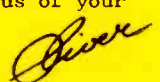
Each contributors name is preceded by a number. This number indicate how many SPEEDX columns a specific reporter contributed to this month. An * asterisk indicates credit is also given from the previous month.

2	AGNER, MIKE	NJ	3	HARDESTER, MIKE	CA	1	PIERCE, BOB	MA
1	ARAKI, TAKEHIRO-JAPAN		2	HARDING, BARRY	CA	1	PIMBIETT, NIGEL	ALB
1	ARNESON, JARRY	MD	3	HAUSER, GLENN	TN	2	PRATER, WADE	OR
1	ASTON, DONALD	OH	1	HECKENLIVELY, BOB	SD	1	RADTKE, CARL	CA
2	BADER, GARY	CA	2	HINDS, R. W.INDIES		3	RAIFORD, OLEN	FL
4	BAKER, MARK	IL	2	HOLBROOK, HANK	MD	3	REDMAN, RON	IL
4	BARON, BRUCE	PA	2	HUTCHINS, CHAS.	ME	2	ROGERS, WESLEY	ONT
2	BAUMGARTNER, B.	ONT	3	ISHIZAKI, Y.	JAPAN	3	ROMANI, DAVE	MI
3	BEAL, BART	WA	1	JESSEN, WILBUR	OR	1	ROSINSKI, FRANCIS	PA
2	BENSON, GLENN	VA	3	JONES, JACK	MS	1	ROUTENBURG, PAUL	ONT
1	BERNSTEIN, ROGER	GA	3	JUNQUA, GIB	JAPAN	2	SAPSFORD, DAVE	ENG
2	BETHGE, JANE	MO	2	KANNRY, JOE	NY	*5	SHAW, BILL	PA
5	BIXBY, MARK	CA	1	KASDAY, MORTON	NJ	3	SHAW, STAN	CA
4	BODELL, BOB	OR	2	KAUFMAN, MALCOLM	NY	3	SHEPARD, DANNY	NY
1	BOWEN, PETER	CAN	1	KELLY, CHRIS	WI	3	SMITH, DAVY	AL
1	BOYD, RODNEY	CAN	1	KIONTZ, WINSTON	CA	1	SMITH, EUNICE	MD
3	BREEDEN, BILL	MS	1	KORINEK, ZDENEK-CZECH		5	SMITH, TOM	FL
4	BRICK, GEORGE	MA	2	KUMMER, MARVIN	KY	2	SMITH, WOODY	TN
2	BROOKS, ALAN	CT	3	KUKAN, BOB	NJ	4	SOMERS, JACK	CA
3	BROOKELL, JARRY	CA	2	LAUSEVICH, ARNOID	WI	1	SPARKS, BILLY	CA
4	BUEHLER, LOUIS	MO	2	LEGGE, ROGER	VA	3	STEPHENSON, NORM	CA
4	BUTTERFIELD, BOB	MA	2	LICKLIDER, TRACY	MA	1	STRAUMANIS, ANDRIS	IL
1	CATEY, BOB	IL	*2	LOVERTI, JOE	OH	3	STUART, AILAN	MA
2	CHABAK, MIKE	CO	2	LULL, GARY	MI	1	TALBOT, IARRY	WI
2	CLEVELAND, BILL	CA	*2	LUNSTRUM, TOM	FL	1	TANNENWALD, LEON	NY
1	COHEN, MIKE	NY	2	MAC COY, DON	NJ	5	THOMPSON, GLENN	NM
1	COMPTON, KEN	MA	5	MAHRIS, RANDY	MO	1	TOMORI, ROBIN	HI
1	CURTIS, BOB	VT	3	MAHAFFEY, TUUJA	OH	4	TRAUTSCHOLD, JOHN	WI
1	CZERNICKI, WAYNE	MAN	1	MAHONEY, MIKE	IN	2	TROCHIMCZYK, J.	DC
*1	DAIRYMPLE, M.	AUST	3	MAKISHIMA, J.	JAPAN	2	TRUBEE, BILL	HI
3	DAVIS, ALLAN	KY	1	MARKIEWICZ, JOE	MI	1	TWIGGS, DAVE	CT
4	DEAN, DENNIS	OH	1	MAYER, ALAN	IL	1	VECCHIOLA, JIM	PA
2	DENISSEN, J.	HOLLAND	5	MEEHAN, JIM	CT	1	VIIARO, NARGISO	PR
1	DONAIS, JACK	WA	2	MIKLEJEWSKI, S.	MN	1	VOCKEROTH, JOHN	PA
1	DURANT, HENRY	MD	3	MILLER, BILL	CA	1	WAKISAKA, S.	JAPAN
4	EARHART, KEN	PA	1	MITCHELL, RICH	CA	1	WALTERS, JOHN	NJ
1	ENDZA, MICHAEL	CA	3	MULLEN, WES	MT	7	WATTS, GREG	IN
*2	ESTES, SNAPPER	MS	3	NAYLOR, SPENCE	CA	1	WICKETT, BOB	MD
4	FAMULARO, RALPH	NJ	2	NEBRON, LARRY	CA	2	WILSON, DAVE	OH
3	FISCHER, JOHN	CT	2	NEVELI, COLIN	BC	1	WILSON, BOB	IL
2	FOWLER, GARY	ONT	1	NORDENTOFF, STEVE	CO	4	WOLIMAN, FRANK	WI
3	GAFFIN, ADAM	NY	1	OLSSON, ERIC	CT	2	WORMAN, JEFF	WI
4	GEBHARDT, JIM	IA	1	ORR, TONY	CO	6	WYLLIE, SUSAN	MA
1	GETZEL, ART	NY	4	OWSLEY, BENTON	CA	5	YAJKO, BOB	PA
1	GION, JOHN	MA	2	PERRY, COLIN	QUE	5	YOUNG, CHAS.	NJ
4	GRENIER, PETE	CA	2	PETERS, DAVID	KY	3	ZIIMER, BOB	WI
1	GROSS, SKIP	VA	1	PETERSON, A.SRI-LANKA				

WOOPEE, 140 reporters to the September issue. That is a record surpassed by any shortwave club in North America. I am proud of you. Sorry that I did not have room to list the receivers used...A big Fan Fare to 17, first time reporters, they are: Takehiro Araki, Japan; Donald Aston, OH; Gary Bader, CA; Mike Cohen, NY; Wayne Czernicki, Canada; Jack Donais, WA; Pete Grenier, CA; Michael Endza, CA; Bob Heckenlively, SD; Charles Hutchins, ME; Zdenek Korinek, Czech; Bob Kukan, NJ; Gary Lull, MI; Steve Nordentoff, CO; Tony Orr, CO; Wade Prater, OR; and Susan Wyllye, MA.

Art Glover, Membership Chairman, 2318 S. Laurel, Port Angeles, WA 98362 Has offered for a SASE to advise, anyone interested, the status of your credits, or any other questions pertaining to membership.

Hope to see all of you in the October issue...Keep DXing.



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