

SPEEDX

the dx radio magazine for active shortwave listeners

RADIO NEDERLAND

HAPPY
STATION



APRIL 1977

Vol. VII No. IV



KEYNOTES



Editor: OLIVER ELLSWORTH

2043 West 75th Street, Los Angeles, California 90047

ELECTION NOTICE

CALL FOR NOMINATIONS-to fill three (3) positions on the Board of Directors.

DEADLINE-Nominations must be received before midnight, 15 June, 1977.

Accompanying this notice is a current list of all who qualify as Full Members of SPEEDX. A supplemental list will appear in the May and June SPEEDX to bring the list up-to date.

If your name appears on these lists, you are eligible to submit nominations (one or more), or to be nominated (you may nominate yourself).

Mail your signed letter or post card, specifying the name of those you choose to nominate directly to Don Johnson, Chairman, P.O. Box E, Elsinore, Calif. 92330. Deadline for receipt is midnight, 15 June.

No member who is serving in any official administrative capacity in any other similar hobby group may be elected to, or serve upon, the SPEEDX Board of Directors.

Two present members of the Board (Don Johnson and Doug Snyder) were elected to serve 4-year terms; they each have two remaining years to serve. No nominations should be made of either, at this time.

Only the (3) remaining positions are now expiring, and your nominations are for those three positions.

Following the 15 June deadline, the list of valid nominees will be prepared and published in the July issue of SPEEDX.

The July and August issues will reserve space to present brief statements from the nominees (not to exceed 200 words each).

In the September SPEEDX there will appear an official ballot form, together with an up-dated list of all those eligible to vote (Full Members) and a complete list of the nominees. If a nominee declines, or with-draws by written notice-his name will be eliminated from the final list.

SPEEDX FULL MEMBERS (AS OF MARCH 1977)

AGNER, MICHAEL	NJ	CAWTHORNE, CEDRIC	ENG	FLEMING, LEON	TX
ARAKI, TAKEHIRO	JAPAN	CHABAK, MICHAEL	CO	FOWLER, GARY	CAN
ARNESON, LARRY	MD	CLEVELAND, WILLIAM	CA	FRENCH, ROBERT	MD
ARNOLD, WILLIAM	CA	COHEN, JON	NJ	GAFFIN, ADAM	NY
BAKER, MARK	IL	COMPTON, KEN	MA	GARNER, JOHN	CAN
BAUMGARTNER, BRIAN	CAN	COOK, MELVIN	MN	GEBHART, JAMES	IA
BEAL, HOBART	VA	CRABLE, VERA	ID	GELFAND, STEVE	NY
BENJAMIN, LORENZO	CA	CREWS, DEMPSEY	FL	GETZEL, ARTHUR	NY
BENSON, GLEN	VA	DAVIOCNIS, LEONARD	MA	GHEHO, ALEX	PA
BERNSTEIN, ROGER	CA	DAVSON, ARJH	CA	GION, JOHN	MA
BETHGE, JANE	MO	DEAN, DENNIS	OH	GLOVER, ARTHUR	MA
BIXBY, MARK	CA	DENNISSEN, JOOST	HOL	GRANONE, PAUL	NM
BODELL, ROBERT	OR	DUINAGE, WILLIAM	CAN	GRENIER, PETE	CA
BOVEN, PETER	CAN	DUTKOWSKI, DONALD	CAN	GROSS, SKIP	VA
BREEDEN, WILLIAM	MS	EARHART, KENNETH	PA	HALL, THOMAS	CA
BRICK, GEORGE	MA	EATON, KEN	WI	HARTER, DAVID	OH
BROOKER, JAMES	MI	ELLSWORTH, OLIVER	CA	HANSEN, CHRIS P.	NY
BROOKS, ALAN	GT	ESTES, WILLIAM JR	MS	HARDESTER, MICHAEL	OAK
BROCKWELL, LARRY	CA	FAMULARO, RALPH	NJ	HARDING, BARRY	CA
BRYAN, JAMES	CA	FISCHER, JOHN JR	PA	HAUSER, GLENN	IN
BUTTERFIELD, ROBERT	MA	FLEMING, KEVIN	NY	HICKMAN, MEL	OR

Full Members cont.

HOFFMAN, CHARLES	PA	NEWELL, COLIN	CAN	STRAUMANIS, ANDRIS	IL
ISHIAZKI, YASUO	JAPAN	OLIVER, WAYNE	NH	STUART, ALLAN	MA
JAKUBIAK, DAVID	MI	OLSSON, ERIC	CT	STUART, JERRY	OK
JECKENTHAL, JOSEPH	IL	ORR, PONY	CO	SWEANY, MARY	CA
JOHNSON, DON C.	CA	OWSLEY, BENTON	CA	TALBOT, LARRY	WI
JONES, JACK	MI	PECENKA, JOSEPH	IN	TANNENWALD, LEON	NY
JOSEPH, SKIP	MO	PERRY, GOLIN	CAN	TESTA, FRANK	MA
JUNQUA, GIB	JAPAN	PETERS, DAVID SR.	KY	THOMPSON, GLENN	NM
KANNRY, JOSEPH	NY	PETERSON, ADRIAN	INDIA	TRAUTSCHOLD, JOHN	WI
KASDAY, MORTON	NJ	PIERCE, ROBERT	MA	TROCHIMCZYK J.	DC
KAUFMAN, MALCOLM	NY	PIMBLETT, NIGEL	CAN	TRUBEE, WILLIAM	HI
KLONTZ, WINSTON	CA	POLING, TED	IL	UERLINGS, JAMES	OR
KOIZUMI, HIROKAZU	JAPAN	RADTKE, CARL	CA	VILARO, MARGISO	PR
KOLB, JOHN	CA	RAFE, GARY	NY	VOCKEROOTH, JOHN	PA
KUKAN, ROBERT	NJ	RAIFORD, OLEN	FL	VOGEL, WENDELL	PA
KUMMER, MARVIN	KY	REDMOND, RONALD	IL	VOKES, ROBERT	TX
KURTZ, JOSEPH	MA	ROGERS, WESLEY	CAN	WAKISAKA, S.	JAPAN
LAVES, ALAN	TX	ROMANI, DAVID	MI	WALIMAN, JAMES	MN
LEGGE, ROGER	VA	RUDOLPH, WILLIAM	CA	WALTERS, JOHN	NJ
LEISTNER, LOUIS	CA	SANN, RONNIE	NJ	WARRENBURG, TOM	WI
LENTZ, HANK	PA	SANSERINO, RALPH	CA	WATTS, GREG	IN
LORDO, ROBERT	SC	SAPSFORD, DAVID	ENG	WHITE, JOHN	FL
MACRIS, RANDOLPH	MO	SCANNELL, MARK	MA	WHITEHEAD, JAMES	MA
MAKISHIMA, JAMES	WA	SCHIPPELLITI, PETER	ME	WICKETT, ROBERT	MD
MALONE, RICHARD	MA	SCHWARTZ, RICHARD	DE	WILLIS, FREDERICK	PA
MAYER, ALAN	IL	SHAW, WILLIAM	PA	WIRRELL, ROBERT	MA
MAYO, PAUL	VA	SMITH, DAVY	AL	WOLTMAN, FRANK	WI
MEEHAN, JIM	CT	SMITH, THOMAS	FL	WOOD, RICHARD	NY
MIKELJEWSKI, STANLEY	MA	SMITH, WADE	MA	WORMAN, JEFF	WI
MILLER, ALBERT	OH	SMITH, WOODY	TN	WYLIE, SUSAN	MA
MILLER, CARLETON	WA	SNYDER, DOUG	CA	YAJKO, ROBERT	PA
MILLER, WILLIAM	CA	SOMERS, JACK	CA	YOUNG, CHARLES	NJ
MITCHELL, RICHARD	CA	SPARKS, WILLIAM	CA	YOUNG, JAMES	CA
MULLEN, WES	MT	STEPHENSON, NORMAN	CA	ZIIMER, ROBERT	WI
MAYOR, SPENCE	CA	STONE, WILFRED	CAN	ZIMAROWSKI, MARK	MA
NEBRON, LARRY	CA	ROJEWSKI, DONALD ***	WA	ZINK, GEORGE	CA

*** Sorry, the name ROJEWSKI is out of order.

CONGRATULATIONS TO 8 NEW FULL MEMBERS

MELVIN COOK MINNEAPOLIS, MN	JOOST DENISSEN TILBURG, HOLLAND	ADAM GAFFIN BROOKLYN, NY	ALEX GHENO LEECHBURG, PA
PAUL GRANONE ALBUQUERQUE, NM	J. JECKENTHAL 111 BROADVIEW, IL	SKIP JOSEPH ST LOUIS, MO	ROBERT NEWELL B.C. CANADA

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

NELSON TAILLON B.C., CANADA	ROBERT FEWEL BARTLESVILLE, OK	GARY RUSSELL JACKSONVILLE, IL	JOSEPH LeMASTERS EUCLID, OH
JOHN MORITZ JR. YOUNGSTOWN, OH	JACK RADOVICH SECAUCUS, NJ	DAVID AMBRUSTER RACINE, WI	TIM ROPER MOBILE, AL
DAVID KALFUS REGO PARK, NY	TIM McCURDY LA CANADA, CA	THOM SKEER RIDGECREST, CA	GEORGE SCHRAMEL MILWAUKEE, WI
HARRY HEIMS JR. ROCK HILL, SC	JAY FLORIAN ROUND LAKE, IL	TOSHIYA KOIZUMI TOYKO, JAPAN	DONALD UNRUH NAS LEMOORE, CA
STEVEN GRAFFTON OAKHARBOR, WA	LOIS SUTHERLAND SUNNYMEAD, CA	FRANCIS BENJAMIN BILOXI, MS	RICHARD HANSEN EAST BRAINTREE, MA
BOB MARTIN FULLERTON, CA	CECIL FLITCROFT OAKHARBOR, WA	KENNETH KOPEC BUFFALO, NY	JOHN SULAK HATFIELD, PA

cont on pg 4

Associate Members cont.

In addition to the members listed, we also welcome back: Jay Dratter, NY; John Clements, CA, and Robert Beaudoin, CT. We knew you would be back, but don't stay away so long. I know that all of you will be supporting the various sections in SPEEDX. Without you, we would not have a club.

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We continue with a few more names of members that have received their award certificates:

<u>YACHTSMAN</u>	<u>JOURNEYER</u>	<u>EXPEDITIONIST</u>	<u>GLOBAL YACHTSMAN</u>	<u>NOVICE</u>
L. & E. Leistner	Robert Mirrell	Bill Estes	Doug. Snyder	R. Sann
Dennis Dean	Jack Somers			G. Hansen
Tom Lunstrum	Oliver Ellsworth			G. Rafe
John Trautschold	Jim Meehan			J. Garner

A reminder that you request your Award Certificates according to the instructions in the award list, that may be obtained from Jack Jones, 304 Robinhood Rd. Jackson, MS 39206. The Country list may also be obtained from Jack for 75¢ (50¢ to Full Members) You save on many SPEEDX items by becoming an FM.

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FLASH--LATE NEWS--FLASH

Surinam heard with short wave broadcasts on a measured frequency of 4779.7 kHz. The times heard were 0220 to 0330 GMT sign-off and again after 0900 GMT. The language broadcast are: Dutch, Indonesian and Hindi.

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ANARC CONVENTION 1977

Location: Schaumburg, Illinois (30 miles northwest of downtown Chicago)
Sponsor: Woodfield International DX Club, P.O. Box 95073 Schaumburg, IL 60195
Date: July 15, 16, and 17, 1977.
Registration Fee: \$10.00--Full details will appear in May issue of SPEEDX.

CHARTER FLIGHT POSSIBILITY

Anyone on the West Coast (L.A. area) that are interested in a possible charter flight to the convention, please contact; Pete Grenier, 927 North Pasadena, Azusa, CA 91702. If enough people are interested, a flight will be arranged.

NEBRASKA AREA DXERS

For details, contact either Hubert Paulson Jr. 422 Dale Dr, Lincoln, NB 68510, or Robert McCoy, 4105 Washington, Lincoln, NB 68506 in regards to the next meeting late in April.

CENTRAL DISTRIBUTION EDITOR

SPEEDX has established a distribution point with Bob Milner, 9916 N. Mt. Vernon Ave, Milwaukee, WI 53226. However we urge that loggings be sent direct to the editors, due to the delay of using a transfer point. Remember the editors deadline is the 15th of the month. Many of you are cutting the time to close. Please consider the work involved by the editors and the JDE and cut your logging slips and put your name on each slip. This would be a big help in speeding up the process.

EDITORIAL STAFF

How would you like to become a SPEEDX editor? If you are interested, contact me with a sample of your typing. I will advise you of our policy, the format to use, etc. Oliver Ellsworth, Managing Editor, 2043 S. 75th Street Los Angeles, Calif. 90047.

There will be an opening in August, and too we can always use assistant editors.

INTERNATIONAL BROADCASTERS YEAR 1977

In keeping with Radio Sweden's DX-Editor, Arne Skoog's suggestion that 1977 be proclaimed IBJY '77, SPEEDX thought that we should devote a few pages of our July expanded issue to Arne's proclamation, ie to short wave radio programming. I am requesting that you send to me your articles on interesting programs that you have heard and listened to on short wave radio. There have been in past issues of Tips & Topics some very good articles on the subject, that you may refer to for ideas. Your articles could run from 10 lines to a full page. I will be glad to edit them to SPEEDX's format, but send them early, to give me time to edit them for you. You not only will receive credit points, but I think I have talked our Business Manager/BOD President to loosen up with a few hard to get SPEEDX pennants for the best articles.

TECHNICAL TOPICS

This is a very popular section to a majority of our members as attested in letters and the comments made in the SPEEDX renewal notices. However we cannot continue with the column without your help. Due to the demand, the column was enlarged to two pages, but due to the lack of support, we had to drop back to one page, and without your support, we will have to drop it. Rather than state, "would like to see more receiver reviews" give Ralph, the editor, the name of the rig you would like to see a review on. Ask some of the technical questions that are on your mind. If Ralph does not know the answer, he will find out for you. Perhaps with your cooperation we will not only retain the section but will enlarge it.

SPEEDX UTILITY GUIDE

The expected mailing date for the Utility book of the year is April 15th. The deadline for ordering the Guide (for SPEEDX club members only) at a discount is 15 April 1977. Discount price \$5.95. After 4/15/77 the price worldwide will be \$6.95. Order from SPEEDX HQS.

ITEMS FOR SALE, TRADE, OR HELP WANTED

Dan O. Carrier, P.O. Box 552, Niceville, FL 32578, is looking for information that will aid him in rebuilding a Red;Fon, R50M receiver, 8 bands 13.5 KC to 32 MC, manufactured by Red;Fon Ltd, London, Eng. Ser #1041. He also needs some new tubes for the set.

Allied AX-190 unmodified including a Dx-150A speaker, and assortment of SWBC crystals. \$170.00. Contact Brandon Lovett, 421 E. College St Coldwater, Ohio 45828 (419) 678-3128.

Realistic DX-160, just checked out by distributor. Best offer takes. Contact Don Dutkowski, 314 Springside Place, Richmond, B.C. Canada V7E-1X4.

DX-160, 2 years old, excellent condition. A resistor has been added to prevent S-meter from pegging, also the addition of a tape jack. \$115.00. Contact Neil Greenidge, 5700 Arlington Ave, Riverdale, NY 10471.

ITU List 1V Coast Stations - 5th edition 1973 w/supplements. \$15.00 by book rate. (6th edition is now selling for \$34.00 from ITU) First letter w/payment gets it. Contact Bill Trubee, Box 1323, Kealakakua, HI 96750.

A special sale of HAP cassette tapes: Ident & Interval Signal Series. African Stations, \$3.00 European Stations \$3.50, A/O & Americas 3.50, All 3 for \$9.25. Foreign Language Course tape \$3.75. All 4 tapes \$13.00. This sale ends April 30, 1977. Make payment in the form of a bank or postal money order to HANDICAPPED AID PROGRAM. Order from Wayne A Davis, Director HAP-US, 27 Cleveland Ave. Trenton, NJ 08609, or from Bill Dulmage, Chairman, CHAP, R.R. 3, Colborne, Ontario, Canada, KOK 180.

DXING EARTH

A reminder to pick up your April issue of Popular Electronics, and see how stations on earth may someday be DXed from the moon. Would be interesting to know which earth broadcasts are penetrating further into the cosmos.

DXING EARTH by Glenn Hauser.



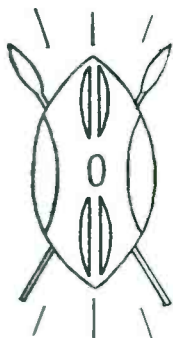
DX MONTAGE

RESEARCH/COMPILATION/REDACTION by A. W. BROOKS

74 Massachusetts Road

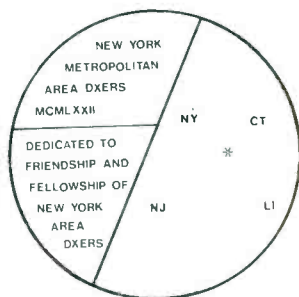
Oakdale, Connecticut 06370

THE TEMPORARY DEMISE OF STATELY "BIG BEN" (or "We Have Ways To Make You 'Tock'"); Many listeners the world over tune in the BBC at midnight GMT on the final day of each December to hear the chimes of "Big Ben" ring in the New Year. If you listened carefully this New Year's Eve you noted that you heard instead the emanations of "Great Tom". No, "Big Ben" was not the victim of a no confidence vote...but on a Thursday morning back in August...at 3:46 a.m. to be precise...which "Big Ben" always was, of course...the clock in London's Parliament tower suddenly rattled, banged, and fell silent. The landmark has run almost non-stop since 1859, surviving World War II, the ravages of weather, and a structural problem that has caused it to tilt at least 4 inches toward the Thames. London police rushed to the mechanism, looking for signs of sabotage. What they found was simple enough: "Big Ben" was suffering from a bad case of metal fatigue. Experts finally got the clock going again, but it may take several months of repair before this highly accurate timepiece will once again chime its "All's Well" each hour over your receiver....



YOU'RE NOT LIKELY TO HEAR IT ON THE VOICE OF KENYA, BUT......as third-world economists and bureaucrats...gathered at the United Nations Conference on Trade and Development in Nairobi...put forth their demands for easier access to the more sophisticated technologies of developed countries, a 28-year old Kenyan was busy developing a better rain barrel. In Kenya the biggest problem for most farmers is getting a receptacle to store water. The most common has been the 40-gallon steel drum, but the price has risen so that it is too great a capital investment for most farmers. The cheaper and better substitute this gentleman has developed is made by filling a large plastic sack with leaves and grass and then plastering mud and cement around the form. Once the material dries, the sack is removed, leaving an urn that holds almost three times as much as an oil drum, costs but one-quarter as much, and takes two to three days to build. The hope seems to be that rural agricultural school teachers will carry the knowledge of this demonstration back to their students. The young Kenyan was probably the only expert at the conference who was certain that his theories would hold water...

IT'S A MAD, MAD, MAD, MAD, MAD, MAD WORLD: Yes, they did it again! Those M.A.D.-MEN...the Metropolitan Area DXers! This time it was on March 20th when fifteen enthusiasts from New York, New Jersey, and Connecticut descended on the Teaneck home of Paul Mount. SPEEDXer Mike Maghakian took time out to serve as an antenna for a visiting receiver, while Jeff Hahnbright bore witness to fulfillment of one of your editor's fondest fantasies...eating off of an HQ-180. DXers from all segments of the hobby...including Barry Fraser, Martin Peck, Irv Leffler, Lou Citasella, Dan Shepard, Nelson Sidman, M. Kasday, Dave Hendrickson, and the long-lost Rich Shaftan...joined in the social festivities and did justice to epicurean delights as well. After it all, seminarian Chris Hansen returned to his recent appointment as a "subtabernarius"....



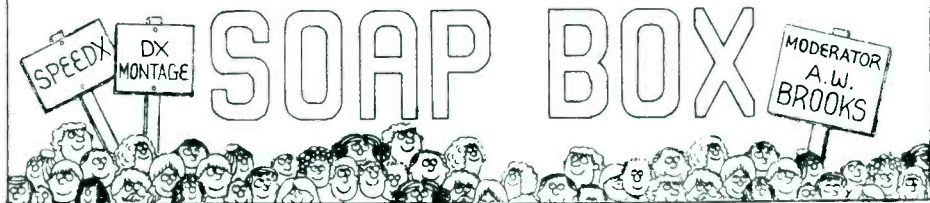
ODDS 'N' ENDS: North America's DX telephone lines bussing lately with the appearance of Surinam on shortwave. 4780 kHz is the nightly frequency up to 0330 GMT bye-bye...Radio Australia not to be under Foreign Ministry control after all...A twelve lesson course on radio spectrum uses will commence April 7th on Radio Nederland's "DX Juke Box"..... Radio Ghana has suspended its international transmissions for technical reasons...Radio Finland carries their DX program now only one Saturday each month...Meanwhile, Beirut seems to be making a gradual comeback.....

THERE'LL ALWAYS BE AN ENGLAND: The BBC has attempted to clarify the "LONDON CALLING" subscription controversy. Latest interpretation seems to be that only new readers pay the fee. The limitation was made necessary because they had reached a financial ceiling in the print order. Don't complain! They put Farrah Fawcett on their March '77 cover!



ACORNS FROM OAKDALE:

.....few things are more expensive than a girl who is free for dinner.



This month two more members...these particular SPEEDXers from opposite sides of the globe ...step up on the SOAP BOX to offer their thoughts on a pair of topics:

GIB JUNQUA (Japan): "I am in total disagreement with Mike Hardestar's recent remark (November SOAP BOX) in which he implies (1) that a DXer is one who acquires QSLs and an SWL is one who does not, and (2) that such a 'DXer' is superior to an 'SWL'. If this criterion of a DXer be permitted to stand, it is obvious that any Joe Doakes with any receiver and with a minimum of knowledge and experience can become a 'DXer' simply by amassing a pile of QSLs, the vast majority of which...as a perusal of any QSL column will show ...will come from a limited number of stations in a very limited number of countries..."



"To illustrate the above point...of the 661 QSLs reported in the November and December SPEEDX QSL columns, 272...over one-third...came from Europe and 160...approximately one-fourth...came from just five (5) stations... R.Moscow, R.RSA, R.Japan, R.Australia, and HCJB, the 'top dogs' in their respective geographic areas. It thus appears that to become a 'DXer' (per the Hardestar criterion) all one need do is report regularly to a handful of countries and stations and get a stack of QSLs...one could become a sort of 'ninety-day DXer'..."

"I personally have no objection to anyone obtaining QSLs...many do, including many of my friends in the hobby...however, I vehemently object to the implication that unless you acquire QSLs you cannot be considered a DXer, for there are many in the hobby...some of whom are generally regarded as being first rate...for whom QSLs have little if any interest... for myself, I have completely lost what little interest I had in QSLs and haven't sent a report for quite some time...and if that means that I've 'reverted' to the inferior status of a mere SWL and cannot be considered a DXer of any stripe simply because I do not seek QSLs, then so be it..."

RALPH FAMULARO (New Jersey): "I have a few thoughts on the continuing debate on the consolidation of the three major DX clubs...ASWLC, SPEEDX, and NASWA..."

"Some people have mentioned that one magazine combined by the three clubs may cost approximately \$14 a year...a great savings for those who receive three magazines. But what about the people such as myself who devote all their time and effort to SPEEDX alone? There would be an increase in cost for a merger which I would not prefer. However, if the majority of the membership ever voted to consolidate and it materialized I would accept the decision, for I do believe in democratic decision making..."



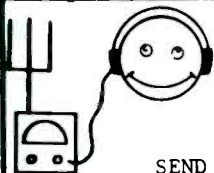
"The big problem...which is repetitious to what former speakers have stated...is which editors, board members, publishers, etc., would assent to liquidate their powers. I have recently been appointed 'Africa' editor and would not like to lose my column for a rate decrease...which for me could possibly be an increase..."

"Another important aspect...which means more than my personal desires...is the idea that a person entering any field, including the shortwave hobby, should have a variety to choose from. If a consolidation occurred and a new hobbyist found a reason to turn down the club where else could he find an alternative organization..."

"Although I would not want to see a merger, I would like to see close co-operation between the clubs to make the wishes of the listeners known to the stations, especially if a particular station implemented a policy that dissatisfies DXers..."

"Even organizing a unified movement of this type would be difficult because, again, there may be disagreement as to who would be designated spokesman, etc..."

Is it your turn next up on the SOAP BOX? Surely, you must have opinions on any of a number of phases of the shortwave listening pastime...why not share them? Step right up!



TECHNICAL TOPICS ? ? ? ? ?

Editor

RALPH SANSERINO

TECHNICAL TOPICS
8422 CRANE CIRCLE
HUNTINGTON BEACH
CALIFORNIA 92646

SEND YOUR TECHNICAL QUESTIONS TO:

WRTH: What happened to my copy I ordered 2 months ago. It has never been later than the end of FEB, here it is the end of MAR and no WRTH. Whats up? From Watson-Guptill the suppliers of the WRTH we get this info - We got a shipment of WRTHs but it was not large enough to fill your entire order so we used it to fill a bunch of small orders - But I ordered my books 2 1/2 months ago and paid cash for them and had your word that my order was on top of the pile, no answer from the other end except that they had received another shipment and your order will be shipped tomorrow. So the order was really on the bottom of the pile and they shipped them thru the Panama Canal on something very slow. If you folks out there want to get on someone write: Watson-Guptill 1515 Broadway, NY 10036, Att: Mgr Special Markets and let them know about the poor service and how you feel, HQs and Ham Radio Outlet are clean. Two years in a row now trouble with WRTH. Wonder why?

FRG-7 FINE TUNE MOD: There will be a kit out for this mod in 3 to 4 weeks. Price will be around \$6.00. For more info contact Ham Radio Outlet 2620 W. La Palma, Anaheim, CA 92801. This is store #2 for the So. CA area. The mods on the FRG-7 will be done at this store probably by me, can also take care of parallax and selectivity at the same time, so let us know.

KENWOOD R300 OWNERS: Have found out that some of these receivers or maybe all of them have the side of the antenna coils that should go to chassis ground are ungrounded and floating. Check or have someone check it out. If you find it ungrounded please notify - Trio-Kenwood 116 E. Alondra Blvd., Gardena, CA 90248 about this problem. The QR-666 could have same problem.

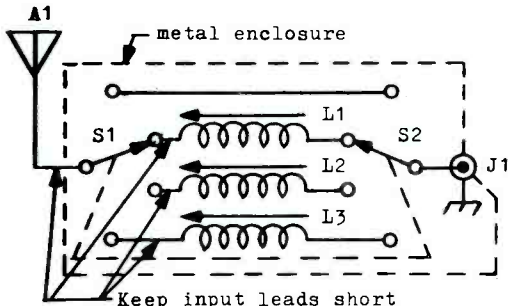
DRAKE SSR-1: Got one of these from Ham Radio Outlet to checkout, it was so bad that it is going back to the factory. It was full of birds, chirps & it oscillated with a one foot antenna attached. Could be some ungrounded circuits, ground loop or what have you. Will try another. Some of the same mods can be done on this receiver that were done on the Barlow-Wadley.

DIGITAL FREQ READOUT: Digital readout is here for most receivers. I have used my readout on the DX160, TRF portable, military rigs and the FRG-7 and it works great, no more guessing. A couple of refinements & its ready for production. John Kolb is putting the finishing touches on a readout for the FRG-7 & might work on the Barlow-Wadley and SSR-1. More on these readouts next month. Going to build a 3 digit readout into the FRG-7 in the area where the dial is now. All kinds of room inside the set for this mod.

MEMBER NEEDS HELP: Dan Carrier P.O.Box 552, Niceville, FL 32578 needs any info you might have on a 'Redifon R50M receiver' it was built by Redifon Ltd., London. Dan is trying to get it back in working order. Thanks

SHORT ANTENNA RESONATING DEVICE ...from Jim Hagan & Ralph Sanserino

PARTS LIST



A1 = 4 to 8 foot whip or a 20-25 foot short wire.

L1 = Miller #9003 inductor.

L2 = Ferrite loopstick. Radio Shack #270-1430 or equiv.

L3 = Same as L2 except coil is modified. Remove turns so coil tunes 3.3 to 8.0 mHz.

S1, S2 = 4 position, 2 deck rotary switch.

L2 must have a few turns removed so it will cover 1.2 to 3.3 mHz. Coil slugs must be slid in & out to resonate this device on each freq tuned. This unit works well.

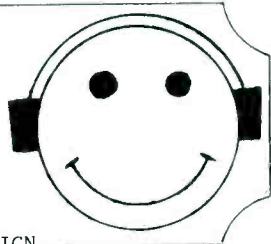
L1 covers .4 to 1.2 mHz, L2 1.2 to 3.3, L3 3.3 to 8.0mHz.



H A P P E N I N G S

HANDICAPPED AID PROGRAM

WAYNE DAVIS - DIRECTOR
27 Cleveland Ave
Trenton, NJ 03609



SUPPORT WORLD DX HANDICAPPED AID CAMPAIGN

In my first opportunity to bring the news of the Handicapped Aid Program to the readers of SPEEDX, it is my pleasure to report developments on two fronts; the first being news of strides made by HAP-US, while the second should be of interest to all DXERS.

Through the public relations efforts of Ted Poling and Larry Cotariu, HAP's message is reaching an ever growing segment of the disabled population.

Since late December, we have answered a record number of requests from persons seeking information about the program, and expressing an interest in short wave broadcasting. These people were provided with HAP information as well as introductory material explaining the hobby.

So far, HAP has welcomed ten new members, all new to the hobby, and the world of short wave listening. These new additions to the HAP family were provided memberships in the DX clubs of their choice, and, in some instances, lent receivers that will bring them into initial contact with the voices we have enjoyed for so long.

These new members have, however, dipped into HAP's equipment supply quite deeply. Any readers who might have received a new rig for Christmas, or have equipment they no longer need, could easily help break the boredom a disabled person is often faced with by donating spare equipment to HAP. If you can offer a useable piece of equipment, contact me at 27 Cleveland Ave Trenton, NJ 03609.

As mentioned above, HAP also has good news for the non-disabled DX'er.

The informative Radio Canada international interval signal and language identification tapes are now being offered at a special rock bottom price to make way for a new tape series that will be available in the near future.

The set of four tapes, dealing with interval signals from stations in Europe Africa, Pacific, Asia, Americas and Central America, as well as foreign language identification can now be purchased at a price of \$13.00 for the entire set of four cassettes, and \$9.50 for the interval signals only.

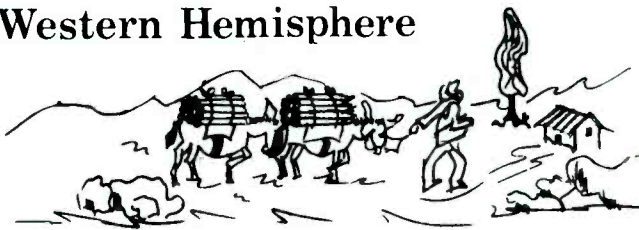
These tapes, all of professional quality, will offer the novice an opportunity to identify new stations that have thus far eluded his tuning efforts, while more experienced listeners will be provided with a ringertip reference source of interval signals of a wide variety of broadcasters. The language tape is of special value as it helps train the ear to be able to discern the subtle differences between the languages commonly heard across short wave bands.

If you order now, by sending a money order to me at 27 Cleveland Ave., Trenton, NJ 03609, you could also be eligible to win a 1977 "World Radio TV Handbook", or credit toward your purchase of the next series of tapes which will offer a DX course.

So why not get your order in right away. Besides receiving information it would take months of taping to accumulate, you will also be allowing a handicapped person enjoy the hobby we have been involved in for so long.

Before closing, I would like to offer a few words to introduce myself to HAPpenings readers. I am 24-years-old, and have been afflicted with Cerebral Palsy since birth. A graduate of the University of Illinois, I currently work as managing editor of a weekly suburban newspaper in the Trenton Area. I began scanning the short wave bands in the mid 60's, but suspended my hobby for four years while in college. I am now listening with a Drake SCR-1, and have thus far verified 75 countries. 73: Wayne 9

SWBC DX - Western Hemisphere



— EDITOR —

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Saludos amigos! This month we continue our study of time checks with a look at some of the vocabulary, those essential key words, and a review of the fundamentals. Before we do, however, its about time we talked about numbers since it is pretty hard to tell time without them. Those in the following list are all you need and, no doubt you a familiar with some of them. Sound them out to get used to the pronunciation and note that after fifteen the numbers are formed by combining them ie. sixteen is diez y seis seventeen is diez y siete, etc.

one	uno, a	oo'-noh	twelve	doce	doh'-seh
two	dos	dohs	thirteen	trece	treh'-seh
three	tres	trehs	fourteen	catorce	kah'-thor'-seh
four	cuatro	kawh'-troh	fifteen	quince	keen'-seh
five	cinco	seen'-koh	sixteen	diez y seis	dyehs-ee-seh'-ees
six	seis	seh'-ses	twenty	veinte	veh'-een-teh
seven	siete	syet'-teh	twenty-one	veinte y uno	veh'-een-tee-oo'-noh
eight	ocho	oh'-choh	thirty	treinta	treh'-een-tah
nine	nueve	nweh'-veh	forty	cuarenta	kwah'-rehn'-tah
ten	diez	dyehs	fifty	cincuenta	seen'-kwehn'-tah
eleven	once	ohn'-seh	sixty	sesenta	seh'-sehn'-tah

Last month you may recall we mentioned that a Spanish speaking person mentally divides the hour into two thirty minute halves. To advise a time in the first half hour he gives the hour and adds the minutes as in Figure 1. But, to give a time in the second half hour the Spanish speaking person is taught to say the hour coming minus the appropriate number of minutes as is illustrated in Figure 2. He is also taught an alternative to this second approach which is to use the format "It lacks X minutes before Y hour" or, in Spanish "Faltan X minutos para las Y".



Son las dos y once
(sohn lahs dohs ee ohn'-seh)
It is eleven after two

Figure 1



Son las dos menos ocho
(sohn lahs dohs meh'-nohs oh'-choh)
It is eight minutes before two o'clock

Figure 2

Now lets try a few examples to help you get the hang of it. All you need remember is that one is singular as shown in Figure 3 and all others are plural. Thus we say "Es la una" as in Figure 3. but for all others we say "Son las X horas y (menos) Y minutos". You can, as I have in Figures 1 & 2 leave out the words "horas" and "minutos" and it is often done. Either is correct. To indicate a.m. or p.m. simply tack "de la mañana", "de la tarde" or "de la noche" on the end depending upon whether or not its morning, afternoon, or evening. Thus, 1:16 p.m. is "Es la una y diez y seis de la tarde" and 11:10 a.m. is "Son las once y diez de la mañana". Got the hang of it?? Its easy isn't it. Try it yourself with the help of the word list below. For starters, how do you say "Its 6:14 a.m.?"



Es la una
(ehs lah oo'-nah)
It is one o'clock

Figure 3

cuarto (kwahr'-toh)-quarter
de (deh)-from
es (ehs)- he, she, it is
exacta (ehk'-sahk'-tah)-exact
faltan (fahl'-tan)-it lacks
la hora (lah oh'-rah)-hour
informa (een'-fohr'-mah)-it informs
la (lah)-the (feminine)
las (lahs)-the (feminine plural)

mañana (mah'-nyah'-nah)-morning
media (meh'-dee'-yah)- half
menos (meh'-nohs)- minus
minuto(s) (mee'-noo'-toh)-minute(s)
la noche (lah-noh'-cheh)-night
son (sohn) they are, it(plural) is
segundo(s) (seh'-goon'-dohs)-second(s)
la tarde (lah tahr'-deh) afternoon
y (ee) and.

Now that you've mastered the art of telling time, next month we'll look at some specific examples to help you recognize various time checks when you hear them. By the way, how did you do with 6:14 a.m.? I hope you came up with something like "Son las seis horas y catorce minutos de la mañana"!!!!

A new Brazilian station calling itself Radio Cultura de Pará has been noted with intermittent tests on 5045 khz. Programming seems to consist of Brazilian samba mx followed by a recorded announcement requesting reports to Caixa Postal 6600, Belem, Pará, Brazil. Thanks to the absence of Radio Yaracuy, Radiodifusora Nacional del Ecuador is again being well heard on its usual frequency of 4939 khz. One ID noted was "En transmisión, R. Nac. del Ecuador, operamos en 640 kcs onda nacional, 4.940 mcs onda internacional desde Quito, capital de la República del Ecuador en la mitad del mundo." Also noted this past month by early riser Stan Miklejewski was Venezuela's R. Visión on 2440 khz. Stan caught this rarity at, yawn, 11:58 GMT. There are many more goodies within so I'd best get going. As I do, however, the usual reminder that all times are GMT, dates are presented in the month/day format, and the SIO code is used to relay reception conditions noted.

ANTIGUA

5960 0527 DW Relay: EE nx to N Am to 0550*(444 3/7 Unruh-CA)(Grenier-CA)
 6040 0128 DW Relay: EE nx to N Am to 0150*(444 3/2 Buehler-MO)(Pimblett-CA)
 6085 *1000 DW Relay: SS experimental pgm to Latin America per anmt (ALTA)
 (444 2/12 Jones-MS)(444 0400 2/7 w/ GG xncst to N Am Grenier-CA)(554 0220 2/20 Batson-KS)(555 0300 2/19 Willis-PA)
 6100 0440 DW Relay: GG comedy show & mx (554 2/20 Willis-PA) Antigua??
 6175 0330 BBC Relay: EE soccer special (444 3/3 Pimblett-ALTA)(Miller-CA)
 9545 0230 DW Relay: SS xncst, cmntry (554 2/9 Miller-CA)(Dutkowski-BC)
 9580 1500 BBC Relay: EE World Service pgm (322 2/13 Miller-CA) ???
 9605 1300 DW Relay: GG nx to N Am (333 2/27 Willis-PA) Believe Sackville!
 9640 *0230 DW Relay: EE ID as Antigua, into SS nx (534 2/15 Wilson-CA)
 9690 0720 DW Relay: GG mx, ID @ 0722 (423 2/13 Dutkowski-BC) This Germany per my sked beamed to South Asia,
 9765 0230 BBC Relay: SS to Latin America, mx (555 2/6 Granone-NM)
 15385 2130 DW Relay: PP/SS 2130-0105 here ex-9590 (434 3/7 Legge-VA)
 15410 2200 DW Relay: GG to S. Am. 2200-0150 ex-9680. Kigali formerly here but moved to 9700 (444 3/7 Legge-VA)

ARGENTINA

6120 0047 LRX1 R. El Mundo: SS tlk, LA mx (222 2/23 Brookwell-CA)
 9690 0305 LRA32 R.A.E.: OM & YL tlks, featurettes, nx, tango mx (332 1/31 Arnold-CA)(Miller-OH)(Uerlings-OR)(Dutkowski-BC)(Stone-ONT)
 11710 *2300 LRA35 R.A.E.: EE pgm to Europe (333 3/9 Oliver-NH)(455 2250 w/ FF tlk on nuclear energy 2/21 Novello-NY)(434 2334 2/21 Yajko-PA)(444 2320 2/28 Garner-ONT)

BELIZE

3285 0043 R. Belize: EE "Diets for the Athlete" pgm, nx @ 0100 (322 2/9 Carrier-FL)(242 0415 2/4 Granone-NM)(211 1223 3/1 Miklejewski-MN)(522 0420 2/6 Smith-FL)(242 1206 3/8 Miller-OH)(343 *1200 2/13 (Sunday) Jones-MS)(443 0330 2/9 Seymour-NC)

BOLIVIA

4425 0250 CP-?? R. Paititi: SS ID by YL, LA mx pgm (222 2/25 Beal-WA)
 4738 0341 CP-136 R. Abaroa: mixture of folk type and regular vocals to 0359 ID & anmt. Back to mx (??? 3/15 Moritz-OH)
 4775 0320 CP84 R. Los Andes: non-stop piano instrumentals of easy listening variety, OM w/ closing anmts @ 0336* (??? 3/15 Moritz-OH)
 4796 1047 CP73 R. Nueva América: TENTATIVE but SS nx, 1049 LA mx, anmts then Koe by Peking so no ID (222 3/4 Junqua-JAPAN)
 5310 1150 CP?? R. Robere: TENTATIVE but YL & OM ancrs tlk, typical Andean folk type mx. (242 2/27 Miller-OH)
 6035 *1030 CP92 R. Panamericana: IS of repeated guitar chords, ID, fqys by YL, very bad het due AFRTS on low side (322 2/10 Jones-MS)

BRAZIL

4755 0157 ZYF23 R. Dif. do Maranhão: ad string, jingles, pips @ 0200, PP ID, stn promo, Brazilian pops (343 2/8 UMDX-MAN)
 4775 0231 ZY25 A Voz do Oeste: ads, pop songs (--2 2/11 Moritz-OH)
 4805 0055 ZYS8 R. Dif. do Amazonas: Brazilian mx, PP ID (333 2/26 Beal-WA)
 4835 0220 ZY08 R. Dif. Teresina: MOR vocals, anmt "música e mais música" ID "Aqui R. Dif. do Teresina... (323 2/8 UMDX-MAN)

- 4855 0245 PRC5 R. Clube do Pará: PP spts cmntry by OM, ads, TCs and many, many IDs (333 2/19 Miklejewski-MN)
- 4865 0105 ZYC33 R. Sociedade Feira de Santana: TENTATIVE but with PP tlk and mx after Portugal sign off (332 3/3 Earhart-PA)
- 4915 0947 ZYE2 R. Dif. Macapá: PP OM anmt mentions Macapa (333 3/1 Uerlings-OR)(434 0835 2/3 Vilar6-PH)(443 0936 2/8 Jones-MS)
- 4935 0150 ZYU25 R. Capixaba: Brazilian vocals & old U.S. pops, ID @ 0155 fighting through UTE (222 2/23 Baumgartner-UNT)
- 4948 0147 ZYK41 A Voz de São Francisco: PP ballad, OM anmts & ads, @ 0100 the usual Glenn Miller theme which is so often the tipoff to the identity of this one (poor, 3/11 Moritz-OH)
- 5015 0056 ZYG26 R. Pioneira de Teresina: OM & YL trading strange Indian-like vocals, ID @ 0105 by OM (??? 3/7 Moritz-OH)
- 5015 0150 ZYK24 R. Cultura de Cuaibá: Brazilian vocals to nxcst @ 0200 after ID, ads (333 2/12 Baumgartner-UNT)
- 5025 0220 ZYJ21 R. Borborema: end spts event, interviews with players, ID into MOR easy listening mx (322 2/19 Miklejewski-MN)
- 5045 0235 ZYE63 R. Presidente Prudente: U.S. pop mx, OM anmts, TC, jingle ID @ 0300 (242 2/18 UMDX-MAN)
- 5045 0255 ZY??? R. Cultura de Pará: Samba mx w/ a recorded request for reception reports after each number (444 3/16 Whitehead-MA)
- 6045 0812 ZYS33 R. Clube Paranaense: Brazilian mx, ads, IDs. JRM from Moscow's JJ Svc on 6050 (333 2/20 Jun'ua-JAPAN)
- 6100 2130 PRL8 R. Nacional de Brasília: ID, eqy anmt, into variety pgm w/ tlk abt carnival, etc. (353 2/19 UMDX-MAN)
- 6135 0903 PRC21 R. Gaúcha: Comedy record, ads, ID, pop mx (333 2/18 Macris-MO)(353 0135 2/16 Maghakian-NY)
- 9595 0115 ZYN29 R. Cultura da Bahia: w/ spts play by play (433 3/3 Redman)
- 9645 0030 ZYR78 R. Bandeirantes: fast paced play by play coverage of spts event (322 2/25 Miklejewski-MN)(433 0050 3/3 Redman-IL)
- 9665 0228 PRL8 R. Nacional de Brasília: Brazilian pop mx, PP IDs (34 3 2/10 Earhart-PA)(444 0400 w/ SS 2/2 Granone-NM)
- 11780 2100 PRL8 R. Nacional de Brasília: EE w/ ID, address, pgm guide, mx (433 2/25 Rafe-NY)(322 2120 2/27 Buehler-MO)(422 2350 2/8 Worman-WI)(434 2100 2/19 Seymour-NC)(422 2/14 Dutkowski-BC)
- 11785 2336 ZYU61 R. Guafba: PP tlk, ID (433 2/21 Yajko-PA)(322 3/10 Redman)
- 11805 0100 ZYZ65 R. Globo: PP nxcst, ID (354 3/1 Novello-NY)(433 2302 3/1 Famularo-NJ)(434 2230 2/19 Perry-QUE)(433 0005 2/25 Yajko-PA)(333 0005 2/28 Dutkowski-BC)
- 11865 0300 ZYB85 R. Clube de Pernambuco: PP mx pgm (454 2/22 Maghakian-NY)(232 0420 2/21 Hammer-OH)(222 0015 2/22 Dutkowski-BC)(252 0400 2/27 Earhart-PA)
- 11877 2341 ZYC40 R. Sociedade da Bahia: several PP IDs, Brazilian mx, ads (333 2/21 Yajko-PA)
- 11925 0015 ZYR78 R. Bandeirantes: PP tlk, pips, ID, // 9645 (433 2/23 Yajko-PA)(333 0005 3/3 Redman-IL)(333 2330 2/26 Breeden-MS)(332 0028 2/28 Dutkowski-BC)(252 0310 2/6 Earhart-PA)
- 15190 2338 PRK9 R. Inconfidência: PP spts cmntry, ID (344 2/24 Yajko-PA)
- 15445 2255 PRL8 R. Nacional de Brasília: rel. pgm, 2300 ID into pop mx pgm (433 2/5 Crable-ID)

CANADA

- 5480 0342 RCI: EE featurette on Ugandan situation (554 2/15 Dutkowski-BC)
- 5960 0120 RCI: PF mx, nx, ID (544 2/10 Stone-UNT)(554 0320 2/19 w/ EE nx Granone-NM)(444 0320 2/15 McIntosh-PA)(545 2/4 Rosinski-PA)
- 6000 *0230 RCI: SS nxcst (444 2/15 Gaede-CA)(444 0205 EE nx 3/3 Redman-IL)(544 0202 2/21 Batson-KS)(545 0200 2/14 Stone-UNT)
- 6005 1643 CFCX, Montreal: EE talk show (454 3/1 Famularo-NJ)(211 0136 w/ play by play of hockey game 2/25 Pimblett-ALTA)
- 6065 1218 CBC NS: Artic wx, correspondent's rpts (444 2/28 Miklejewski-MN)
- 6070 0115 CFRX, Toronto: EE pop mx, ads, promos (433 3/9 Redman-IL)(544 1218 3/3 Famularo-NJ)
- 6085 0300 RCI: EE nx, spts, press review (??? ??/ Larson-NE)
- 6175 0158 BBC Sackville: EE World Service (432 2/11 Miller-CA)(544 2300 2/9 Granone-NM)(555 0315 2/19 Willis-FA)
- 6195 0259 CBC NS: ID, CBC nx (344 2/28 Breeden-MS)(433 0050 3/7 Buehler-MO)(433 0100 2/9 Zilmer-WI)
- 7235 0620 RCI: EE "Mostly Music" pgm (333 2/28 Dutkowski-BC) Per my sked RCI has no transmissions at all at 0600. You sure time??
- 9605 0310 RCI: EE editorial, voclas (4 54 3/4 Thompson-NM)
- 9620 1830 RCI: EE nx, "Magazine" (322 2/18 Miklejewski-MN)
- 9625 1201 CBC NS: nx, ID, mx pgm (443 2/20 Buehler-MO)(Dutkowski-BC)

11720 1600 CBC NS: C&W mx pgm, ID (433 2/24 Dutkowski-BC)(*/21 Willis-PA)
 11865 1920 RCI: FF feautres, nx. Into EE 1930 (333 2/27 Buehler-WO)
 11940 0029 RCI: SS discussion between 2 YLs, ID (423 2/28 Dutkowski-BC)
 15190 1840 RCI: FF nxcst, IDs (554 2/27 Dutkowski-BC)
 15290 2150 RCI: FF C&W mx pgm, IDs (554 2/27 Dutkowski-BC)
 15325 1646 RCI: EE nx, ID into Slavic language @ 1700 (344 3/4 Junqua-JAPAN)
 15365 1627 BBC via Sackville: "Science in Action", TC, ID, into "The World Today" (344 3/4 Junqua-JAPAN) You sure this Sackville Gib?
 17820 2016 RCI: EE tlk on 200 mile limit, wx (333 2/28 Dutkowski-BC)

CHILE

9565 0118 CE956 R. Nacional de Chile: EE "Voice of Chile" pgm w/ cmntry on Chilean resources (-4 2/27 Endza-CA)(433 0119 2/25 Garner-ONT)(422 0110 2/24 Miklejewski-MN)(322 2/11 Miller-WA)
 9750 1017 CE975 R. Minería: SS nx, TCs, ID, ads (222 2/19 Miklejewski-MN) (343 1149 2/10 Jones-MS)(333 2157 2/14 Junqua-JAPAN)(422 0120 2/24 Endza-CA)
 15150 2148 CE1515 R. Nacional de Chile: w/ OM ancing spts event, ID, TC (252 2/27 Famularo-NJ)(333 2255 2/21 Yajko-PA)(333 2310 2/23 Crable-ID)(312 2050 2/9 Vilar6-PR)(343 0000 2/13 Jones-MS) (454 2250 2/14 Maghakian-NY)

CLANDESTINE

13250 2138 R. Euzkadi: SS ID as "R. Euzkadi, La Voz de la Resistancia" @ 2141 into YL political tlk (333 2/19 Earhart-PA)

COLOMBIA

4755 2345 HJKC Emisora Nuevo Mundo: mx, anmts, CARACOL promo, ID (322 2/23 Tannenwald-NY)(444 0640 2/25 Hammer-OH)(242 0616 2/27 Trautschold-WI)(322 0110 3/9 Famularo-NJ)
 4815 0140 HJSG R. Guatapurí: OM tlk, mx pgm, ID "Somos TODELAR, somos profesionales, somos R. Guatapurí"(433 3/1 Redman-IL)(433 0230 3/2 Famularo-NJ)(232 1136 3/6 Jones-MS)(233 0125 2/21 Miklejewski-MN)(334 0230 2/22 UMDX MAN)
 4875 0556 HJLW Ecos del Combeima: LA tropical mx, ID, jingle (343 2/27 Trautschold-WI)(322 0344 2/27 Jones-MS)(333 2/26 Redman-IL)
 4885 0419 HJIG Ondas del Meta: Tango mx, ID (433 2/24 Macris-MO)(433 0030 3/9 Redman-IL)(454 0450 2/12 Maghakian-NY)
 4895 2350 HJOT Brisas del Citará: LA contemp mx, nx, TC/IDs (333 2/23 Baumgartner-ONT)(232 0318 after HCERS s/off 2/28 Miklejewski-MN)(444 0347 2/22 Maghakian-NY)(333 0359 2/27 Jones-MS)
 4925 *0855 HJJU Emisora Meridiano 70: w/ continuous mx, NA @ 0858 to ID and "Buenos días Colombia-Venezuela..." ads, into pop mx pgm (343 2/8 Jones-MS)(233 0224 2/22 Breeden-MS)(343 2345 2/11 Macris-MO) Arauca is on border between Colombian & Venezuela.
 4945 0406 HJDH R. Colosal: LA mx, IDs (222 2/24 Zink-CA)(333 0625 3/6 Grenier-CA)(343 0755 2/26 Redman-IL)(444 0155 2/9 Maghakian-NY)(343 0605 2/25 Trautschold-WI)(333 0245 2/22 Miklejewski)
 4965 0445 HJAE R. Santa Fé: Colombian mx, IDs (333 2/23 Crable-ID)(333 0600 2/25 Trautschold-WI)(333 0740 2/26 Redman-IL)(444 0430 2/22 Granone-NM)(333 0120 2/24 Yajko-PA)
 4975 1127 HJ?? Ondas del Orteguaza: chimes, ID "Somos Ondas del Orteguaza" pop mx (312 3/4 Jones-MS)(322 1120 3/3 Miller-OH)
 5040 0630 HJDE R. Cinco: "Happy Days" theme into CARACOL net plug, IDs (333 2/27 Trautschold-WI)(333 0140 3/9 Redman-IL)(333 1115 2/27 Jones-MS)
 5075 0230 HJGC R. Sutatenza: ID, ads, mx pgm (434 3/4 Rafe-NY)(433 0125 w/ "Mundo Noticias" nxcst 3/3 Redman-IL)
 5095 0340 HJGG R. Sutatenza: SS nxcst to 0400* (444 3/4 Pimblett-ALTA) (444 0130 3/9 Redman-IL)
 5980 1100 HJZJ R. Nacional: chimes, ID, QRM de KGEI (412 3/1 Jones-MS)
 6000 0045 HJNX R. Super de Medellín: OM tlk, ID (333 3/2 Hammer-OH) bet this Inconfidència instead of HJNX at this time. Be careful!
 6065 0635 HJAX R. Super: pop mx, many IDs (544 2/12 Macris-MO)(343 0800 3/7 Trautschold-WI)
 6075 0120 HJID R. Sutatenza: SS nxcst, IDs, KOed by DW @ 0125 but can be heard underneath (333 2/22 Miklejewski-MN)
 6115 0940 HJIE LV del Llanow/ pop mx, TC, ID (322 2/24 Tannenwald-NY) (333 0934 2/18 Macris-MO)
 6150 0332 HJJT LV del Huila: Colombian mx pgm (444 2/13 Maghakian-NY)(323 0616 3/6 Famularo-NJ)(232 0606 3/5 Trautschold-WI)(333 0840 2/18 Macris-MO)(322 0915 2/22 Tannenwald-NY)(322 Rafe-NY)

6160 0753 HJKJ Emisora Nueva Granada: EE & SS pop/rock mx (322 2/21 Junqua-JAPAN)(433 1037 2/21 Macris-MU)
9653 0400 HJZK R. Nacional: C1 mx, RM de 9655 (222 2/8 Beal-WA)(333 1238 2/20 Buehler-MU)

COSTA RICA

4832 0310 TIHB Emisoras R. Reloj: SS play by play of baseball game (444 3/3 Redman-IL)(454 0312 2/21 Maghakian-NY)(454 0725 1/22 Reese-KS)
5954 0430 TIQ R. Casino: EE ID, address, pgm of tlk, mx (212 2/17 Granone-NW)
6006 0115 TIHB Emisoras R. Reloj: SS nxcst "R. Periódico Reloj" (444 2/8 Stone-UNT)(343 0855 2/21 Crable-ID)(333 0733 2/17 Gaede-CA)(333 0749 3/4 Junqua-JAPAN)(222 0040 2/17 Granone-NM)(454 0134 1/15 Reese-KS)(323 0810 2/13 Vilaro-PR)

CUBA

6060 0435 RHC: SS mx (333 2/13 Gaede-CA)(333 2356 2/21 Yajko-PA)
9525 0749 RHC: EE mailbag (332 2/7 Smith-FL)(Pimblett-ALTA)(Reese-KS)
9550 1155 RHC: SS press review (443 2/20 Buehler-MO)
9685 0300 RHC: EE pgm of Cuban mx (444 3/11 Abney-SC)(222 0315 2/14 McIntosh-PA)(545 0215 2/14 Tuomialho-ONT)(423 0127 2/28 Dutkowski-BC)(555 0315 1/15 Carrier-FL)(434 0205 2/22 Yajko)
11760 1708 RHC: SS "De Chile para Chile" political pgm (544 2/12 Worman-WI)(544 1700 2/10 Batson-KS)(423 1502 2/23 Dutkowski-BC)(444 0020 2/21 Willis-PA)
11865 2115 RHC: EE "P.O. Bx 7076" pgm (322 2/27 Buehler-MO)
11970 0123 RHC: SS speech playback (322 2/15 Dutkowski-BC)(2/20 Buehler-MO)
15180 2139 RHC: SS Cuban mx pgm (444 2/27 Dutkowski-BC)
15200 2300 RHC: SS tlk by OM (544 2/15 Granone-NW)
15230 1435 RHC: SS tlk on Cuban revolution (333 2/24 Dutkowski-BC)
15340 2108 RHC: AA ID, MOR mx pgm (433 2/20 Buehler-MO)(444 2/27 Dutkowski)
17750 2100 RHC: EE mailbag pgm (555 2/3 Stone-ONT)(444 2008 2/28 Dutkowski)
17885 2116 RHC: EE "Philately in Cuba" (443 2/20 Batson-KS)(444 2023 2/27 Famularo-NJ)(333 2050 2/28 Dutkowski-BC)
17940 2133 RHC: EE OM & YL tlk on socialism // 17885 (353 3/7 Famularo-NJ)

DOMINICAN REPUBLIC

3020 0605 HIBL R. Pueblo: 2x harmonic noted here w/ ID as "Desde Santo Domingo, HIBL, R. Pueblo, La Pantera" TCs, often IDs only as "La Pantera" (??? 2/26 Hauser-TN)
3206 2350 HIAU LV de La Libertad: LA ballads, 0003 ID (322 2/26 Baumgartner-ONT)
4780 1155 HIAQ R. Norte: Pepsi ads, LA mx (343 3/9 Miller-OH)
4825 0300 HIFA LV de las Fuerzas Armadas: ID, lt. inst. mx (433 3/3 Famularo-NJ)(333 1130 2/27 Jones-MS)(322 0316 2/26 Zink-CA)(233 0313 2/21 Wilson-CA)(454 0317 2/12 Maghakian-NY)
4850 0430 HIIR R. Clarín: SS disco mx pgm, many IDs (422 2/28 Endza-CA)(Oliver-NH)(Uerlings-OR)(Famularo-NJ)(Jones-MS)(Carrier-FL)(Trautschold-WI)(Yajko-PA)(Tannenwald-NY)(Seymour-NC)(Redman)
4882 2235 HIJP R. Comercial: SS nxcst, tlk, ads (323 2/26 Tannenwald-NY)
11700 2340 HIIR R. Clarín: EE tlk on SPEEDX and NASWA (444 2/26 Grenier-CA)(Garner-ONT)(Rafe-NY)(Unruh-CA)(Zink-CA)(Novello-NY)(Maghakian-NY)(Miklejewski-MN)(Yajko-PA)(Earhart-PA)

ECUADOR

3280 1030 HCVN7 LV del Napo: SS ID & songs, personal messages in Indian dialect (312 2/2 Vilaro-PR)(222 0215 2/25 Beal-WA)
3315 0400 HCRP7 R. Pastaza: SS mx, ID, NA & off 0404 (422 2/22 Breeden-MS)
3375 0145 HCBS3 R. Melodía: SS OM w/ play by play of spts event, ads (232 2/28 Famularo-NJ)
3380 1121 HCY4 R. Iris: SS YL, Ecuadorian mx (443 2/27 Jones-MS)
3390 0540 HCU1 R. Zaracay: ID "Esta es R. Zaracay" into Ecuadorian pops (232 2/28 Hammer-OH)(333 0540 2/14 McIntosh-PA)(433 0326 2/24 Macris-MU)(322 0300 2/28 Endza-CA)
4680 2335 HCWE1 R. Nacional Espejo: SS nxcst many IDs (453 3/1 Maghakian NY)(Redman-IL)(Famularo-NJ)(Granone-NW)(Hammer-OH)(Yajko-PA)(Miklejewski-MN)
4750 0130 HCBJ2 R. El Mundo: SS ID, wild LA mx (433 2/24 Famularo-NJ) Ralph, you sure this not Emisora Nuevo Mundo 4755??
4765 1102 HCAJ2 C.R.E.: SS morning prayer, "Ave Maria", ID & fqs (333 3/2 Miller-OH)

- 4870 1120 HCJM7 R. Rio Amazonas: Indian/SS intros to Ecuadorian folk vocals (333 2/9 Miklejewski-MN)(343 2/8 UMDX-MAN)
- 4890 0105 HCEK5 R. Centinela del Sur: play by play of soccer match between Chile & Ecuador (333 2/28 Miklejewski-MN)
- 4900 1143 HCVS6 LV de Saquisilí: rel. mx mixed in with songs of a local nature, fading by 1155 --2 2/27 Moritz-OH) TENTATIVE
- 4910 *1126 HCWJ1 Emisoras Gran Colombia: NA, theme mx, ID into "LV de Esperanza" rel. pgm (333 3/6 Jones-MS)
- 4920 0310 HCR41 R. Quito: SS nxcst (322 2/9 Wilson-CA)
- 4939 0315 HCCXZ1 Radiodifusora Nacional del Ecuador: "El Nacional" mx ID (333 3/6 Uerlings-OR)(333 0301 2/25 Famularo-NJ)(433 0015 3/3 Redman-IL)(??? 0121 3/2 Moritz-OH)
- 4960 1140 HCSE7 R. Federación: SS IDs, TCs, pop mx (443 3/9 Jones-MS)(343 1140 w/ Ecuadorian vocals 2/9 Miklejewski-MN)
- 5025 0312 HCeV5 R. Splendit: LA pop mx, anmts, TC, ads, fanfare & ID 0334 (344 2/18 UMDX-MAN)(343 1155 3/6 Jones-MS)
- 5060 0210 HCEH3 R. Nacional Progreso: "dailables de Carnival" mx pgm (343 2/22 Miklejewski-MN)(333 0350 2/24 Hammer-OH)(333 0115 3/7 Redman-IL)(343 0415 2/23 Crable-ID)(354 0300 2/18 UMDX-MAN)
- 6095 0657 HCJB: "Passport" (333 2/11 Gaede-CA)(Tuomialho-ONT)(Miller-CA) (Granier-CA)(Redman-IL)(Arnold-CA)(Granone-NM)(Dutkowski-BC)
- 6130 0730 HCJB: "Happiness Is" pgm (433 2/25 Crable-ID)(2/21 Granone-NM)
- 9560 0230 HCJB: "DX Party Line" (444 2/7 Unken-IL)(Unruh-CA)(Garner-ONT) (Thompson-NM)(McIntosh-PA)(Dutkowski-BC)(Stone-ONT)
- 9620 0525 HCJB: RR tlc, hymns (343 2/13 Earhart-PA)
- 9680 0830 HCJB: RR ID, tlc, mx (443 2/11 Miller-PA)
- 9715 1130 HCJB: JJ w/ marimba melody, "Window to Tomorrow", "Hola Amigos" (323 1/31 Araki-JAPAN)
- 9745 1200 HCJB: EE ID, into JJ pgm to Japan (444 2/11 Carrier-FL)
- 11915 0040 HCJB: EE "Saludos Amigos" pgm (454 2/6 Rosinski-PA)(544 0030 2/14 Miller-CA)(544 0045 2/26 Stone-ONT)(322 2/26 Dutkowski)
- 15115 1420 HCJB: EE "Through the Bible" (433 2/22 Miller-CA)(343 2048 2/20 Buehler-MO)(444 1620 2/15 Granone-NM)(454 1451 2/11 Smith-FL)(534 1500 3/3 Carrier-FL)
- 15300 2045 HCJB: SS to Europe // 11790 per anmt in EE, Ecuadorian mx pgm (333 2/27 Buehler-MO)(444 1930 w/EE "Encounter"2/27 Stone-ONT)
- 15310 1700 HCJB: EE "DX Party Line" (554 2/14 Maghakian-NY) 15300??
- 15385 1950 HCJB: 15300 xmtr noted putting out numerous strong spurs, peaking here and 14920, 15080, 15540 & 15725. Very distorted (2/26 Hauser-TN)
- 15461 2010 HCJB: EE "DX Party Line" (454 2/5 Earhart-PA) Possibly a spur, see above.

GRENADA

- 15105 2128 R. Grenada: w/ mx request pgm, local ads (333 2/14 Garner-ONT) (222 2135 Pimblett-ALTA)(223 1945 1/23 Unken-IL)(232 2043 2/20 Buehler-MO)

GUATEMALA

- 2360 1037 TGBA R. Maya de Barillas: SS ID, polka mx, low-pitched het (343 3/7 Jones-MS)(232 1100 3/1 Miklejewski-MN)
- 2390 1215 TGDS LV de Atilán: marimba mx, SS TC, ID followed by anmts, back to mx 1217 (322 2/21 Miklejewski-MN)(342 2/2 Granone-NM)
- 3300 0430 TGNC R. Cultural: "Through the Bible" (142 1/16 Reese-KS)(333 0408 2/7 Uerlings-OR)(422 0050 3/9 Redman-IL)(333 0140 2/22 Yajko-PA)(444 1110 1/18 Vilar6-FR)
- 3325 0020 TGBA R. Maya de Barillas: LA mx, ID/TCs, in clear despite hvy UTE QRM (222 2/27 Baumgartner-ONT)
- 3360 0025 TGVN LV de Nahualá: marimba mx, SS IDs (422 3/3 Redman-IL)
- 3380 0300 TGCH R. Chortís: SS ID, into "Michael Row the Boat Ashore" (333 2/9 Seymour-NC)
- 4825 0115 TGMN R. Mam: marimba mx, SS tlc by YL (433 3/1 Redman-IL)
- 4835 1215 TGT R. Tesulutlán: marimba mx, OM w/ Inaian dialect intros (344 2/25 Miklejewski-MN)
- 5955 0831* TGA R. Cultural: SS ID, fqys & off (343 3/5 Jones-MS)
- 6180 1108 TGVB R. Nacional de Guatemala: "Guatemala es primera" anmts, mx (434 2/21 Macris-MO)(322 0445 2/20 Baumgartner-ONT)(433 0215 2/17 Redman-IL)(323 1150 2/17 Perry-QUE)

GUYANA

- 3265 2230 R. Demerara: TENTATIVE but EE w/ lt. inst mx, possible ID, more mx, anmt just above local QRM. (312 3/15 Butterfield-MA)

HAITI

11835 1215 4VEJ R. 4VEH: EE w/ "4VEH Today" pgm (333 2/18 Rosinski-PA)
(323 1218 3/2 Famularo-NJ)(544 1245 3/3 Carrier-FL)(444
1330 2/17 Maghakian-NY)

HONDURAS

4820 0300 HRVC LV Evangélica: "Billy Graham Hour", ID, "Back to the Bible"
(333 1/19 Onken-IL)(444 0420 3/6 George-TX)(322 0306 3/3
Famularo-NJ)(433 0325 3/3 Redman-IL)(222 0115 2/21 Tannen-
wald-NY)(343 0302 2/27 Maghakian-NY)
6015 1210 HR?? R. Swan: SS world nxcst, constant TCs (333 2/28 Famularo-
NJ)(233 1317 1/24 Breeden-MS)
6050 0300 HRLP R. América: SS nxcst & mx (222 2/13 Gaede-CA) I'll bet
this HCJB SS svc. to Latin America!!

MARTINIQUE

3315 0130 FR3, Fort de France: British blues mx, FF anmts, 0200 FF nxcst
then variety of pop mx, f/out 0230 (333 2/9 Seymour-NC)(322
0020 2/25 Yajko-PA)(433 0051 3/9 Miller-OH)

MEXICO

2390 0124 XEJN R. Huayacocotla: OM w/ tlks on Oaxaca, price ceilings on
agricultural chemicals, slogan "en servicio al comunidad"
(332 3/1 Miklejewski-MN)
5980 1501 XERMX R. México: SS ID, tlk by OM (253 3/6 Breeden-MS)(333 1402
2/25 w/ "Radio Correo del Aire" pgm Miklejewski-MN)
6115 1630 XEUDS R. Universidad de Sonora: ID w/ fqy, anmts, cl. mx pgm
(454 3/2 Thompson-NM)
9705 1326 XERMX R. México: EE ID @ 1326, mx pgm (444 2/10 Worman-WI)(444
2200 2/25 Thompson-NM)(444 0148 2/15 Miklejewski-MN)(423
1504 2/23 Dutkowski-BC)
15160 1838 XEWV LV de América Latina: ads for furniture, shoes, talk &
phone-in show oriented towards the housewife (333 2/8 Mikle-
jewski-MN)(433 1602 2/27 Macris-MO)(354 1940 2/7 UMDX-MAN)
(242 0020 2/28 Perry-QUE)
15385 2205 XERMX R. México: EE ID, marimba mx, vocals (444 3/2 Thompson-
NM)(454 2240 2/25 Maghakian-NY)

NETHERLANDS ANTILLES

6165 0223 RN, Bonaire: "Happy Station" (444 2/27 Larson-NE)(Rosinski-PA)
(Naylor-CA)(Gaede-CA)(Granone-NM)(Stone-ONT)
6190 0404 TWR, Bonaire: RR rel. pgm, EE ID 0429 (333 2/15 Naylor-CA)
9590 0239 RN, Bonaire: EE singing by group (333 2/27 Dutkowski-BC)
9715 0527 RN, Bonaire: "Happy Station" pgm (433 2/27 Dutkowski-BC)
11790 0223 TWR, Bonaire: SS tlk, ID 0225, rel. mx (344 2/24 Naylor-CA)
(333 1750 2/27 Dutkowski-BC)
11815 0203 TWR, Bonaire: FF mx pgm (322 2/13 Dutkowski-BC)
11925 *0030 TWR, Bonaire: EE "Hour of Decision" pgm (444 2/27 Grenier-CA)
(444 0045 3/4 Unruh-CA)(322 0045 2/17 Batson-MS)(444 0125
"Christian Radio Service" pgm 2/24 Rosinski-PA)
15220 2155 RN, Bonaire: Dutch spts pgm, IDs (444 2/13 Dutkowski-BC)
15255 0015 TWR, Bonaire: rel. tlk (444 2/14 Dutkowski-BC)

NICARAGUA

6121 1209 YNCA R. Atlántico: SS ID w/ qTH, LA mx (222 2/21 Breeden-MS)
*9580 *1200 YVRP R. Bonanza: SS nx, severe qRM de Australia (211 2/7
Miller-MA) Apparent new name for this station reported by
BBC MS. Presumably the former R. Mar.

PERU

3240 1049 OBX4U R. América: OM w/ ID 1053, into folklorico vocals (???)
2/19 Moritz-OH)(211 0600 3/4 Uerlings-OR)
4790 1135 OAX8F R. Atlántida: SS OM tlk, LA ballads (222 2/8 Beal-WA)
(454 0335 2/10 Maghakian-NY)
4825 0425 OAX8R LV de la Selva: OM DJ ID, into Peruvian vocals (322 2/20
Baumgartner-ONT)
4831 0415 OBX5I R. Apurímac: clear IDs, Andean group vocals, qRM de
Reloj (222 2/20 Baumgartner-ONT)
4935 0335 OAX9E R. Tropical: SS LA mx, soft-voiced ancr., ID @ 0403
(232 2/21 Wilson-CA)

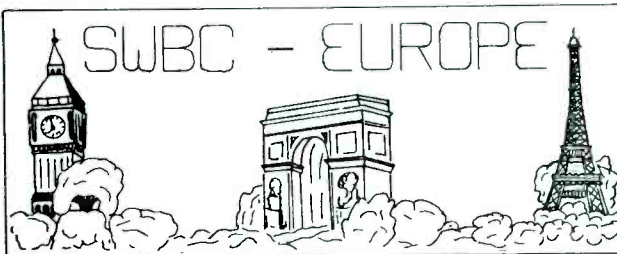
4995 0425 OAZ4C R. Andina: SS ID, Andean folk mx (222 2/12 Baumgartner-ONT)(??? 0350 2/21 Moritz-OH)
 5010 0413 OAX4B R. Eco: "Transmite R. Eco..." into easy listening mx (342 2/27 Jones-MS)(252 0336 2/18 UMDX-MAN)(454 0515 2/15 Hammer-OH)(233 1112 2/19 Miklejewski-MN)
 5025 1103 OAX7 R. Quillabamba: SS anmts, ID 1103 into LA mx (333 3/4 Junqua-JAPAN)(333 0510 2/10 Beal-WA)
 5980 0610 OBX4M R. Panamericana: SS OM tlc, LA mx, ad strings, many IDs (333 3/5 Trautschold-WI)
 6082 1155 OAZ4Z R. Nacional: SS ID, fqys, mx, tlc (332 (332 2/27 Jones-MS)

URUGUAY

11835 0000 CAX19 R. El Espectador: SS nx, ads, lt. mx, IDs, mentions of Uruguay (333 3/2 Seymour-NC)(433 0125 2/26 Earhart-PA)

VENEZUELA

2440 1158 YVLG R. Visión: LA mx, many TCs, emphatic ID 1207, mention of Noti-Rumbos (232 3/7 Miklejewski-MN)
 3225 2222 YVTC R. Occidente: SS ID, nxcst, OM tlc (323 2/8 Vilar6-PR)
 3245 0340 YVKT R. Libertador: OM anmts, recorded ads, mx pgm (322 3/6 Uerlings-OR)(232 2330 2/26 Hammer-OH)
 3255 0456 YVQL LV de El Tigre: LA pop mx, ID (322 3/5 Uerlings-OR)
 3275 1045 YVMC R. Mara: SS tlc, LA type mx (333 2/27 Grenier-CA)(232 2320 2/26 Hammer-OH)
 3295 0209 YVOG R. Trujillo: SS tlc, ID, TC, mx (433 3/5 Breeden-MS)
 3325 *1010 YVRA R. Monagas: s/on over another stn, UTE QRM by 1015 (323 3/6 Hammer-OH)(322 0308 w/ lt. mx 3/7 Pimblett-ALTA)(423 *1002 3/5 Jones-MS)
 3355 *0958 YVLC R. Impacto Valencia: NA, chorus, ID (333 3/5 Jones-MS)
 3365 0355 YVQP R. Puerto La Cruz: OM w/ LA mx, ID, anthem, s/off 0357 (323 3/6 Uerlings-OR)(433 0345 2/22 Breeden-MS)
 3385 2349 YVQI R. Barcelona: LA mx, ads, IDs (333 2/12 Breeden-MS)(322 1040 2/2 Vilar6-PR)
 3395 0315 YVOJ R. Universidad: SS LA mx, OM ID (333 3/3 Famularo-NJ)(333 0358 3/6 Uerlings-OR)(322 0136 2/22 Yajko-PA)(312 2113 w "La emisora de Mérida" slogan 2/13 Vilar6-PR)
 4770 0140 YVNW R. Bolívar: US pops, ID, jingle, TC (354 2/22 UMDX-MAN)(433 0130 3/1 Redman-IL)(444 3/1 2316 Famularo-NJ)(444 0115 2/25 Rafe-NY)
 4760 1100 YVPP R. Frontera: ID "R. Frontera Internacionalisima" (444 1/18 Vilar6-PR)
 4780 0303 YVLA LV de Carabobo: SS LA mx pgm (333 2/19 Macris-MO)(354 0145 2/22 UMDX-MAN)(343 0325 2/24 Jones-MS)(322 2/25 Tannenwald-NY)
 4800 0345 YVMO R. Lara: Venezuelan mx, ID (454 2/10 Maghakian-NY)(422 0200 3/1 Redman-IL)(333 2330 2/26 Tannenwald-NY)(243 1105 2/22 Miklejewski-MN)(434 0007 2/23 Yajko-PA)(434 Granone-NM)
 4810 0120 YVMG R. Popular: LA mx, ads for Banco de Maracaibo (322 3/1 Redman-IL)(354 0204 1/22 UMDX-MAN)(322 1140 2/8 Beal-WA)(434 2130 2/2 Vilar6-PR)(343 2340 2/22 Yajko-PA)(322 0950 2/19 Miklejewski-MN)(443 2325 2/8 Maghakian-NY)(333 0235 2/23 Uerlings-OR)(322 0930 2/25 Tannenwald-NY)
 4829 0212 YVOA R. Táchira: OM spts, ID jingle (332 2/8 UMDX-MAN)
 4860 0650 YVQE R. Maracaibo: OM tlc, IDs, pop mx (322 2/24 Hammer-OH)(444 0825 2/3 Vilar6-PR)(323 0935 2/23 Tannenwald-NY)(344 0815 2/21 Wilson-CA)(433 0700 2/26 Redman-IL)
 4890 1055 YVKB R. Dif. Venezuela: ID, "La estación de alegría" slogan, mx (323 2/9 Miklejewski-MN)
 4900 0345 YVNK R. Juventud: U.S. pop mx, ID (434 2/21 Granone-NM)(333 2300 2/26 Tannenwald-NY)(433 0115 3/1 Redman-IL)(Miklejewski-MN)
 4960 0320 YVAO R. Sucre: SS tlc, ID @ 0336 (232 2/9 Wilson-CA)
 4970 0512 YVLK R. Rumbos: LA MOR mx (343 3/11 Bethage-MO)(343 0645 2/15 Crable-ID)(343 0555 2/24 Trautschold-WI)(454 0420 2/12 Maghakian-NY)(433 0720 2/20 Grenier-CA)(444 0730 2/26 Redman-IL)
 4980 0000 YVOC Ecos del Torbes: LA mx pgm (334 3/7 Novello-NY)(444 0245 3/7 Pimblett-ALTA)(454 0341 2/18 UMDX-MAN)(433 0050 3/1 Redman-IL)(434 0243 4/4 Rafe-NY)(444 0350 2/13 Maghakian-NY)
 4990 2315 YVMQ R. Barquisimeto: MOR mx, ID (333 2/23 Tannenwald-NY)
 5030 2345 YVMK R. Reloj Continente: LA pop mx (343 2/21 Earhart-PA)(333 0130 3/7 Redman-IL)
 5040 2331 YVQH R. Maturín: soccer game coverage (322 2/8 Beal-WA)(333 2331 2/21 w/ LA pop mx, many ads Earhart-PA)
 5050 0515 YVKD R. Mundial: SS LA mx pgm, IDs (322 2/24 Zink-CA)(McIntosh)



SWBC - EUROPE

Editor:
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Deadline: 15th
Times and Dates: GMT
Frequencies: kHz

ALBANIA

- 5056.7 0520 R. GJIROKASTER: (Albanian) "piano banging, wake-up exercises (Hauser-TN)
- 6185 0350 R. TIRANA: (English) commentary (544 2/18 Willis-PA)
- 6200 *0130 R. TIRANA: (English) IS, ID news & commentary on crime (343 2/20 Pecenka-IN)
- 7065 0005 R. TIRANA: (English) commentary (434 5/3 Woltman-WI) (2205 334 2/28 Hutchins-ME)
- 7300 0335 R. TIRANA: (English) news, commentary & music (343 2/10 Imbert-NM)(433 2/24 Famularo-NJ)
- 9480 *2030 R. TIRANA: (English) news (454 2/15 Maghakian-NY)
- 9500 1945 R. TIRANA: (English) news (422 3/8 Hoffman-PA)
- 9585A 2057 R. TIRANA: (English) news (353 2/7 Eaton-WI)

ANDORRA

- 6230 0700 WORLD MUSIC RADIO: (English) pop music with ID's every 20 minutes (2/27 Smith-AL)(222 3/6 Hammer-OH)

AUSTRIA

- 6155 0155 R. AUSTRIA (ORF): (English) news to closing @ 0200* and then followed by German (434 2/22 Perry-QUE)(0345 322 3/10 Hoffman-PA)
- 9770 0130 R. AUSTRIA (ORF): (English) "Report from Austria" (544 3/4 George-TX)(222 2/20 Makishima-JAPAN)(433 3/9 Redman-IL)
- 15335 1725 R. AUSTRIA (ORF): (German) talks ID @ 1730, IS then news (343 2/4 Crable-ID)(1830 EE 422 3/5 Zilmer-WI)(0350 433 3/1 Link-CA)
- 17850 0830 R. AUSTRIA (ORF): (English) IS ID news (333 2/13 Ishizaki-JN)

BELGIUM

- 6080 0019 BELGIUM RADIO & TELEVISION (ORU): (English) news & music (444 3/6 Batson-KS)(322 3/3 Carrier-FL)(544 2/24 Peck-NY) (434 2/26 Rafe-NY)(433 3/7 Redman-IL)(322 2/26 Spencer-OK) (444 3/6 Smith-MA)
- 11940 1745 BTB/BRT-4: (English) Jazz program (333 2/13 Beal-WA)(322 2/8 Smith-FL)

BULGARIA

- 5915 2145 R. SOFIA: (English) talks on their economy (444 2/21 Cohen-NJ)
- 7115 0515 R. SOFIA: (Unknown) folk music, ID @ 0530 (2/25 Wilson-CA) (0448 EE 555 2/26 Schipelliti-MA)(533 3/11 Bethge-MO)(444 2/25 Pollard-RI)(444 2/14 McIntosh-PA)(444 3/10 Hoffman-PA)
- 9530 2330 R. MOSCOW via Plovdiv: (Spanish) to 0400, ex-5915 (444 3/7 Legge-VA)
- 9700 1922 R. SOFIA: (English) news (433 2/19 Garner-ONT)(434 3/3 Burnett-WI)(444 2/28 Fowler-ONT)
- 9705 0047 R. SOFIA: (English) ID & news (443 3/7 Earhart-PA)

CZECHOSLOVAKIA

- 5930 0130 R. PRAGUE: (English) "Introducing Czechoslovakia" (434 2/14 Stone-ONT)(0330 444 2/14 McIntosh-PA)(323 2/17 Onken-IL)
- 7345 0300 R. PRAGUE: (English) s/on news then "Topics of the Day" (343 3/4 Unruh-CA)(0130 333 3/2 Larson-NE)(434 2/22 Rafe-NY) (433 3/7 Garner-ONT)
- 9540 0110 R. PRAGUE: (English) travel program (554 3/7 Oliver-NH) (454 3/7 Earhart-PA)
- 9605A 1530 R. PRAGUE: (English) ID news & music (353 3/12 Schilliti-MA)
- 11990 1732 R. PRAGUE: (English) European news (353 3/6 Earhart-PA)

DENMARK

- 15165 *1600 R. DENMARK: (English/Danish) ID then Danish programming (343 3/5 Pimblett-Alberta)(345 2/19 Pecenka-IN)(433 2/27 Jone-MS)(333 3/6 Kummer-KY)(433 2/21 Dutkowski-BC)

FINLAND

- 11755 1450 R. FINLAND: (English) Finnish music with s/off @ 1500 (544 2/19 Peck-NY)

FINLAND (cont'd)

15110 *1430 R. FINLAND: (English) IS, ID "Letterbox" (344 2/27 Pecenka-IN)(*1330 434 3/1 Famularo-NJ)(533 3/4 Carrier-FL)(333 3/5 Kummer-KY)(443 3/6 Garner-ONT)(323 1/15 Onken-IL)(343 2/16 Fowler-ONT)

FRANCE

7165NF 0730 R. FRANCE INTERNATIONAL: (English) rock music (333 2/27 Brookwell-CA)
 11705 1715 RFI: (English PCA) news & African music (222 2/19 Stuart-MA)
 11745 0750 RFI: (French) Theme music, ID, then more music (444 2/20 Ishizaki-Japan)(1705 EE 332 3/6 Zilmer-WI)
 15425 1710 RFI: (English PCA) news (333 2/20 Seymour-NC)
 17800 1430 RFI: (French) talks & music // 15155, 15265, 15300, 15315, 15440, 17720, 17780, 17860 & 21580 (433 3/6 Zilmer-WI)
 21580 1515 RFI: (French) ID in French & English then news (444 2/18 Carrier-FL)

GERMANY (EAST)

5955 *0330 R. BERLIN INTERNATIONAL: (English) news, commentary then music (333 3/5 Novello-NY)(444 2/14 McIntosh-PA)(444 3/7 Smith-MA)
 15115 1159 RBI: (English) IS, news & music (343 2/17 Araki-JAPAN)
 15145 1813 RBI: (English) African Service of news and music (322 3/5 Jones-MS)
 15170 1840 RBI: (English) program notes (333 2/26 Yajko-PA)(333 3/5 Zilmer-WI)
 17800 1405 RBI: (English) news (433 2/19 Peck-NY)
 17880 1420 RBI: (English) news (454 3/5 Novello-NY)

GERMANY (WEST)

3980 0515 VOA via Munich: (English) news (332 3/6 Earhart-PA)
 3990 0650 R. FREE EUROPE via Biblis: (Polish) commentary, ID @ 0700* (333 2/21 Zimarowski-MA)
 6040 0130 DEUTSCHE WELLE-Antiqua*: (English) talk on Portugal (444 3/4 Larson-NE)
 6075 0130 DEUTSCHE WELLE- (English) ID then news (353 2/10 Imbert-NM)
 7190 0641 R. FREE EUROPE via Biblis or Sines??: (Polish) "Wolna Europa" ID (222 2/19 Brookwell-CA)
 7265 0335 SUDWESTFUNK: (German) nice German music & some French music, time check and ID @ 0400 (433 2/20 Earhart-PA)
 15150 1940 DW: (English) "Weed-end Magazine" (555 3/7 George-TX)
 15170 1832 DW: (German) news for Africa (444 2/27 Dutkowski-BC)

GREECE

5955 0500 VOA via Kavala: (English) news (333 2/28 Seymour-NC) (332 2/12 Smith-FL)
 7170 2153 VOA via Kavala: (English) "World Report" (333 2/22 Rafe-NY)
 7275 0404 VOA via Kavala: (English) news (333 2/3 Smith-FL)
 9760 0017 VOICE OF GREECE: (English) news // 11730, 9750 (333 3/2 Fischer-PA)(343 2/22 Pimblett-Alberta)(343 2/10 Imbert-NM) (433 2/24 Cohen-NJ)(434 2/22 Yajko-PA)(0215 332 3/4 Famularo-NJ)
 11730 1525 VOG: (English) news (333 2/20 Yajko-PA)(322 2/27 Zilmer-WI) (// 17830 333 1/28 Onken-IL)
 11830 1500* VOA via Kavala: (Russian) talks & music to s/off with IS (333 2/11 Brookwell-CA) schedule call for close at 1600*-ed.

HUNGARY

5965 2140 R. BUDAPEST: (English) music & talks (544 2/17 Maghakian-NY)
 6000 0200 R. BUDAPEST: (English) news, commentary then ID (434 3/5 Schipelliti-MA)(0300 2/27 Pollard-RI)(0400 444 2/16 McIntosh-PA)(555 2/15 Maghakian-NY)(422 3/6 Link-CA)(433 2/15 Fowler-ONT)
 7150 0045 R. BUDAPEST: (English) news to Europe (443 2/28 Rafe-NY)

ITALY

6010 0105 RADIOTELEVISIONE ITALIZNA: (English) local news (444 3/7 Redman-IL)(322 2/26 Spencer-OK)
 9575 *0100 RAI: (English) IS, ID, news then light music (444 2/19 Pecenka-IN)(424 2/22 Perry-QUE)(333 2/20 Naylor-CA)(434 3/7 Workman-WI)(433 3/7 Garner-ONT)
 9710 0350 RAI: (English) news (333 2/23 Pollard-RI)
 15385 1715 RAI: (Italian) program beam to Africa (453 2/20 Schipelliti-MA)

LUXEMBOURG

6090 0000 R. LUXEMBOURG: (English) short news then "top twenty
countdown" (444 3/6 Seymour-NC)(323 2/16 Bethge-MO)(Beal-WA)
(Regman-IL)(322 2/20 Zimarowski-MA)(Yajko-PA)(Onken-IL)
(Fischer-PA)

MALTA

6080 2050 R. MEDITERRAN: (English) talk on Roman ruins--gives address:
P.O. Box 82, Valleta, Malta (343 2/15 Fischer-PA)
6100 2132 DEUTSCHE WELLE: (Portuguese) program for Brazil (434 2/19
Perry-QUE)(222 2/26 Spencer-OK)
21650 1317 DW: (Indonesian) talks (good 3/5 Hauser-TN)

MONACO

7105 0800 TRANS WORLD RADIO: (English) religious programming (433 3/5
Fischer-PA)
7110 0730 TWR: (English) ID, mentioned they play "Back to the Bible",
"Way to Life", "Back to Christ" & "Way of Truth" programs
(423 3/15 Smith-MA)
7230 0745 TWR: (Yiddish) English ID then religious programming (242
2/27 Schipelliti-MA)

NETHERLANDS

9715 2130 R. NEDERLANDS: (English) ID then news (332 2/5 Uerlings-OR)
11730 2249 R. NEDERLANDS: (English) news (554 3/5 Batson-KS)(1945 433
2/28 Link-CA)(1830 132 3/5 Bowers-MO)
11740 1430 R. NEDERLANDS-MADAGASCAR: (English) "Happy Station Show"
(433 2/13 Makishima-JAPAN)
17810 *1400 R. NEDERLANDS: (English) IS, ID "Happy Station" program
(343 3/6 Pecenska-IN)(343 2/26 Fischer-PA)
21640 1555 R. NEDERLAND: (Dutch) news (454 2/18 Carrier-FL)

NORWAY

5980 1600 R. NORWAY: (English) ID, news then "Norway this Week"
(555 2/13 Pollard-RI)
6180 2155 R. NORWAY: (English) ID through heavy WRM (312 2/25 Oliver-NH)
9550 *2100 R. NORWAY: (Norwegian) IS, ID in English then Norwegian
programming (343 3/5 Seymour-NC)
11860 2200 R. NORWAY: (English) news, "Norway this Week" (555 3/6 Willis-
PA)(443 3/6 Zilmer-WI)
15175 1400 R. NORWAY: (English) news // 15345, 21730, 9590 also @ 1600,
1800 & 2000 (433 3/6 Zilmer-WI)
15315 0805 R. NORWAY: (English) news, talk then "Norway this Week"
(444 2/20 Makishima-JAPAN)
21730 1600 R. NORWAY: (English) "Norway this Week" (252 3/6 Zilmer-WI)

POLAND

7270 *0200 R. POLAND: (English) "This week in Poland" (534 2/28 Peck-NY)
(232 3/1 Fischer-PA)(434 3/6 Smith-MA)

PORTUGAL

4865 2200 RADIODIFUSAO PORTUGUESA: (Portugese) ID, news & talks (444 3/3
Famularo-NJ)(443 2/25 Oliver-NH)(433 3/10 Zimarowski-MA)
6025 0426 R. PORTUGAL: (English) IS, s/on news (422 2/28 Unruh-CA)
(333 2/20 Willis-PA)(555 2/13 Maghakian-NY)
6040 0510 R. PORTUGAL: (English) ID, news (221 1/22 Arnold-CA)
6115 0548 R. FREE EUROPE: (Czech) talks (333 3/5 Zimarowski-MA)
9505 0505 RF: (Bulgaria) music (444 2/15 Earhart-PA)
11710 *0000 EM. NACIONAL PORTUGESA: (Portuguese) guitar IS, then tubular
bells, chimes & ID (434 2/22 Novello-NY)(444 3/5 Earhart-PA)
11875 2357 R. PORTUGAL: (Portuguese) unusual string IS, MA then ID
(444 2/24 Earhart-PA)
15115 *1558 R. FREE EUROPE via Sines: (English) IS, ID news (444 2/15
Araki-JAPAN)(322 2/19 Novello-NY)

ROMANIA

5990 0416 R. BUCHAREST: (English) reports on the earthquake (333 3/8
Kaufman-NY)(444 3/6 Cohen-NJ)(0229 333 2/28 Pimblett-Alberta)
(0130 444 3/6 Fischer-PA)
9570 0200 R. BUCHAREST: (English) "Youth Club" (344 2/28 Rafe-NY)
9585A 0149 R. BUCHAREST: (English) news on earthquake (444 3/5 Eaton-WI)
10110 2115 R. ESPANA INDEPENDIENTE: (Spanish) talks (232 2/26 Famularo-NJ)
11790 1742 R. BUCHAREST: (English) world news (232 2/17 Worman-WI)
11830 0535 R. BUDAPEST: (English) news & commentary to 0600* (444 3/31
Pimblett-Alberta)
11940 1300 R. BUDAPEST: (English) news (433 3/5 Zilmer-WI)
15250 1300 R. BUDAPEST: (English) earthquake news (very good 3/5 Hauser-
TN)(433 3/6 Garner-ONT)

SPAIN

6065 2250 R. NACIONAL DE ESPANA: (English) commentary (444 2/26 Willis-PA)(222 1/22 Arnold-CA)(0055 3/3 Fischer-PA)
 6140 0100 RNE: (English) music, sports & news (433 3/1 Bowers-MD)
 9630 2315 RNE: (Spanish) music program laced with talk (333 2/15 Gaede-CA)(0400 3/3 Bethge-MO)(444 2/18 Naylor-CA) (555 2/13 Stone-ONT)
 11785 *2000 RNE: (Spanish) IS, ID talks (433 2/28 Beal-WA)
 11880 0352 RNE: (English) news, ID, talk on Falkland Is. (444 2/23 Thompson-NM)

SWEDEN

6045 0030 R. SWEDEN: (English) news & panorama (533 3/3 Carrier-FL) (433 3/7 Redman-IL)
 6065 2126 R. SWEDEN: (English) "mailbab" then s/off (322 3/8 Zimarowski-MA)
 6135 0200 R. SWEDEN: (English) music program (333 3/5 Woltman-WI)
 9745 *1259 R. SWEDEN: (Swedish) IS then talks // 11735 (332 2/22 Makishima-JAPAN)
 11735 1601 R. SWEDEN: (English) news then mailbag show (333 2/13 Garner-ONT)
 11770 1825 R. SWEDEN: (English/Swedish) ID then Swedish programming, SSB (222 2/28 Fowler-ONT)
 15305 1410 R. SWEDEN: (English) commentary (422 2/14 Beal-WA)(343 2/4 Smith-FL)(343 2/16 Fowler-ONT)

SWITZERLAND

6045 *0427 SBC: (English) IS, ID, frequency then "Dateline" program (333 2/28 Crable-ID)(454 3/7 Unruh-CA)
 6135 *0145 SBC: (English) "Dateline" (434 2/22 Stone-ONT)(322 2/26 Spencer-OK)(555 2/15 Maghakian-NY)(333 3/1 Bowers-MD)
 9725 0140 SBC: (English) "Dateline" // 5965, 6135, 9727, 11715 (444 3/1 Fischer-PA)
 11870 1545 SBC: (English) talks (444 3/8 Link-CA)

UNION OF SOVIET SOCIALIST REPUBLICSARMENIAN SSR

7185 0405 R. MOSCOW via Yerevan*: (English) ID (423 2/20 Dutkowski-BC)

BYELORUSSIAN SSR

7420 2130 R. MINSK via Minsk: (Russian) ID, talks then music (343 2/20 Earhart-PA)

EUROPEAN SSR & UNDETERMINES SITES

4040 0306 R. MOSCOW via Vladivostok: (Russian) music, news and commentary (443 2/13 Dutkowski-BC)
 4780 0310 R. MOSCOW via Petrozavodsk: (Russian) program of light music, probably Mayak then time check @ 0315 (433 3/4 UMDXC)(333 2/27 Zimarowski-MA)
 5015 0703 R. MOSCOW VIA Vladivostok: (Russian) news & interviews (523 2/11 Dutkowski-BC)
 5065 0707 R. MOSCOW via Petrozavodsk: (Russian) classical music (523 2/11 Dutkowski-BC)
 5980 0215 R. MOSCOW: (English) news & commentary (333 3/5 Abney-SC)
 7360 2214 R. MOSCOW via Armavir*: (English) news (434 3/1 Hutchins-ME) (322 2/25 Spencer-OK)
 7400 2320 R. MOSCOW via Moskva*: (English) commentary (222 2/13 Smith-FL)
 7440 0210 R. MOSCOW via Novosibirsk*: (English) "Thinking out Loud" (342 2/21 Smith-FL)
 9580 0330 R. MOSCOW via Blagoveschensk*: (English) IS, ID, news (343 2/25 Thompson-NM)
 9725 0350 R. MOSCOW via Yakutsk*: (Russian) piano music // 9625 (433 2/12 Dutkowski-BC)
 9780 0345 R. MOSCOW via Petropavlovsk Kami*: (English) ID (2/12 322 Dutkowski-BC)(333 2/16 Gaede-CA)
 9800 2130 R. MOSCOW via Armavir*: (English) world news to Africa (333 2/20 Redman-IL)
 11860 0300 R. KIEV via Yazhno Sakhalinsk*: (English) IS, ID news (433 2/20 Zink-CA)(444 2/12 Dutkowski-BC)
 11990 0445 R. MOSCOW via Vladivostok*: (Russian) commentary (414 2/11 Dutkowski-BC)
 12000 0005 R. MOSCOW via Moskva*: (Russian) Mayak program (444 2/15 Dutkowski-BC)
 12050 0045 R. MOSCOW via Petro-Kam. *: (English) talk on education (322 2/22 Zink-CA)

UNION OF SOVIET SOCIALIST REPUBLICSEUROPEAN SSR & UNDETERMINED SITES (cont'd)

15140 2311 R. MOSCOW via Vladivostok*: (English) commentary, mailbag then news (544 3/5 Gurner-ONT)
 15455 1500 R. MOSCOW via Petro-Kam*: (Russian) Mayak program with very nice music (444 3/5 Garner-ONT)
 17765 1342 R. STATION PEACE & PROGRESS via Tula*: (English) talks on Africa, ID (433 3/1 Famularo-NJ)(555 2/23 George-TX)

UKRAINE SSR

5940 0120 R. MOSCOW via Vinnitsa: (English) "Moscow mailbag" (444 3/6 Fischer-PA)(434 2/14 Stone-OH)(332 3/2 Thompson-NM)(2302 454 2/17 Smith-FL)--this may be Nikolayev-ed.
 6070 0000 R. MOSCOW via L'vov*: (English) ID, news then music (444 2/5 Carrier-FL)
 7120 0608 R. MOSCOW via L'vov*: (English) mailbag show // 7170, 7185 (434 2/11 Dutkowski-BC)
 7150 0045 R. KIEV via Simferopol*: (English) "Round Table" show (544 3/3 Carrier-FL)
 7205 2251 R. MOSCOW via Simferopol*: (English) news (433 2/25 Spencer-OK)
 7355 0129 R. MOSCOW via Simferopol*: (English) mailbag show (454 2/20 Pecenka-IN)
 12070 1500 R. MOSCOW via Kiyev*: (Russian) Mayak ID (343 2/20 Naylor-CA)
 15100 0050 R. KIEV via Khabarovsk*: (English) mailbag show (454 3/16 Batson-KS)

*sites suggested by editor

UNITED KINGDOM

6150 2328 BBC-WORLD SERVICE: (English) talk on animals (422 2/15 Worman-WI)
 7185 0600 BBC-WS: (English) news // 7150 (2/25 Wilson-CA)
 9510 0310 BBC-WS: (English) "Book Review" program (444 2/27 Larson-NE)
 9915 1558 BBC: (English) ID, news (344 2/12 Naylor-CA)
 11750 2045 BBC-WS: (English) music & comments // 15260 (454 3/2 Bowers-MO)
 12095 1635 BBC: (English) talks (344 3/6 Hutchins-ME)

VATICAN

5995 0105 VATICAN RADIO: (English) religious talk (323 3/1 Kummer-KY) (434 2/26 Spencer-OK)
 6015 0110 VATICAN RADIO: (English) religious talk (433 3/7 Redman-IL)
 17900 1700 VATICAN RADIO: (English) religious talk // 15120 (444 3/6 Zilmer-WI)(444 3/1 Famularo-NJ)

YUGOSLAVIA

9620 2213 R. BELGRAD: (English) news, closing, IS then French (433 3/2 Pimlett-Alberta)(342 2/16 Imbert-NM)(433 2/19 Seymour-NC) (343 2/28 Rafe-NY)(211 2/25 Spencer-OK)(333 2/4 Earhart-PA)

UNIDENTIFIED

7750 0347 (German) commentaries (333 2/12 Dutkowski-BC)

CORRECTIONS AND SUGGESTIONSIRELAND (March, 1977)

15125 Logging is likely to be R. BERLIN INTERNATIONAL operating on a new frequency-ed.

R. ESPANA INDEPENDIENTE LEAVES ROMANIA: According to BBC Monitoring Service, Romania will no longer broadcast the clandestine service of R. Espana Indendiente due to political pressure. It is believed that the service will be picked up by facilities of Libya.

RADIODIFUSAO PORTUGUESA CLAIMS THE 4365 OUTLET

In spite of Ponta Delgada ID's heard by myself and others, reports are piling up in favor of Lisbon or vicinity. Both the BBCMS and R. Sweden's Calling DX'ers show have claimed inside sources confirming this. SPEEDX'ers Robert Butterfield, Allan Brooks, Mark Zimarowski and others have received form letters stating Portugal and NOT Acores as the site location of this experimental transmission. Now if only the 120 kw transmitter mentioned in FRENDX's Hot Line made it to the Island we can play this game again.

My thanks to the almost 70 reporters this month. Good listening.

*March 1977, John Moritz, Jr.

Wade

SWBC DX

AFRICA



Editor:
 RALPH FAMULARO
 204 Olean Avenue
 Jersey City, NJ 07306



FEBA
 Seychelles

Radio Television Kaduna

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

AFARS and ISSAS

4780T 0610 France Regions 3: U/lang w/IS, OM tlk, no ID heard (233 2/27 Earhart-PA) Guinea-Bissau is now on this freq. rmf.

ALGERIA

6145 0700 Radiodiffusion-Television Algerienne: AA nx & comment (222 2/19 Stuart-MA)(444 0650 3/5 Fischer-PA)
 9685 2345 RTVA: AA mx concert w/applause, s/off at 0001 (444 2/26 Donly-SC)(444 2152 3/19 Maghakian-NY)
 11715 0212 RTVA: AA mx,ID,nx (333 3/6 Dutkowski-BC)

ANGOLA

3375 2310 Radio Nacional de Angola: PP OM w/PP, EE, & Vern mx, positive ID @2324 (322 2/24 Miklejewski-MN)
 9535 0540 Radio Nacional: PP/vern w/guitar mx,tlks, PP ID, nx (343 2/25 Donly-SC)

ASCENSION ISLAND

7105 0525 BBC Atlantic Relay:EE by Radio (444 2/17 Pecenska-IN)(333 2/27 Grenier-CA)(333 0255 2/22 Thompson-NM)
 9580 0305 BBC: EE nx, "World Today" (544 2/12 Bethge-MO)(434 2335 3/6 Benjamin-CA)(544 2/10 Miller-CA)(333 2/20 Willis-PA)
 15260 2009 BBC: EE w/"Twenty-four Hours" (444 Fowler-ONT)(444 Naylor-CA)
 17840 1605 BBC: EE nx & comment, 1615* (544 2/11 Miller-CA)

BENIN

4870 2225 La Voix de la Revolution Beninoise: Afro mx, OM tlk,ID (322+ 2/27 Fischer-PA)(333 0602 2/27 Trautschold-WI)(434 2/26 Schipelliti-MA)
 7190 0638 LV Revolution Beninoise: ID, OM/YL tlk in FF into nx in U/lang at 0700. (frequent use of "bourgeois", is this a communist station?) (333 2/20 Brookwell-CA) Larry, Benin is a Marxist state. rmf.

BOTSWANA

4845 0357 Radio Botswana: Afro chants, barnyard noises (243 2/28 Schipelliti-MA)(142 *0345 Seymour-NC)(333 2/22 Breeden-MS)(252 0355 3/6 Donly-SC)

CAMEROON

5010 2115 Radio Garoua: Chanting and talks (333 Pyatt-SC) Language?

CENTRAL AFRICAN EMPIRE

5038 2139 Radiodiffusion nationale Centrafricaine: FF w/afro mx, drums, chanting, ID (242 2/27 Miller-OH)(332 2135 2/20 Zimarowski-MA) (343 2208 Fischer-PA)(333 2211 Watts-IN)(433 2227 Yajko-PA)

CHAD

4905 0435 Radiodiffusion Nationale Tchadienne: FF w/pop mx, nx (444 2/2 Marcis-MO)(443 0426 3/9 Miller-OH)

CONGO, PEOPLE'S REPUBLIC OF

4765 2305 Radiodiffusion Television Congolaise: FF OM tlk, afro drum mx UTE QRM (322 2/16 Hammer-OH)
 15190 2130 RTC: EE commentary on visiting football team from the Ivory Coast (222 Kaufman-NY)(323 Miklejewski-MN)(454 Maghakian-NY) (433 Peck-NY)(444 Famularo-NJ) in FF (333 Zink-CA)(222 Somers-CA)(343 Uerlings-OR)(433 Fischer-PA)(in vern 433 Beal-WA)

EGYPT

- 7050 0415 Radio Cairo: AA group singing w/drums & flute mx (433 3/2 Earhart-PA)
 9455 0500 R. Cairo: AA YL nx, WPTH gives 0400-0700 HS (343 Earhart-PA)
 9475 0230 R. Cairo: EE nx, mx (344 2/20 Rosinski-PA)(343 2/20 Pecenska-IN)
 (434 0200 Kummer-KY)(544 3/13 Carrier-FL)(353 0312 Fischer-PA)
 in AA (444 2020 Pimblett-ALBERTA)(433 Dutkowski-BC)(443 Famularo)
 9805 2300 R. Cairo: EE pop mx, nx in brief, s/off @2315 (433 3/8 Carrier-FL)
 (333 3/6 Crable-ID)(352 2/26 Batson-KS)(422 Tuomialho-ONT)(434
 2215 Worman-WI)(in AA 423 1517 3/9 Dutkowski-BC)
 17745 1238 R. Cairo: AA chants, mx (343 2/28 Famularo-NJ)(555 1725 2/26
 Maghakian-NY)(333 1843 2/15 Brookwell-CA)
 17920 1450 R. Cairo: AA chants (252 2/26 Fischer-PA)(444 1400 Carrier-FL)

ETHIOPIA

- 7205 0355 ETLF: EE mx, ID, & nx (333 2/9 Crable-ID)
 9525A *0330 ETLF: Malagassy religious pgm to Malagasy (454 2/18 Maghakian-NY)
 11955 2010 ETLF: EE rel pgm w/ tlks & mx (222 2/19 Beal-WA)(333 Onken-IL)
 (242 2000 Fischer-PA)(343 2001 Fowler-ONT)

GABON

- 4777 2220 Radiodiffusion Television Gabonaise: FF OM tlc, Afro mx (232 2/27
 Fischer-PA)

GHANA

- 3366 2235 Ghana Broadcasting Corporation 2, Accra: EE rel pgm, nx, vern
 mx, ID as "GBC 2" (332 2/24 Miklejewski-MN)
 4915 2246 GBC 1, Accra: EE african nx pgm (323 2/21 Yajko-PA)(232 Junqua-
 JAPAN)(454 Maghakian-NY)(343 Marcis-MO)(252 Pecenska-IN)(353
 Schipelliti-MA)(344 Trautshold-WI)(242 Famularo-NJ)
 4980 0642 GBC 2, Ejura: EE nx (322 2/25 Zink-CA)(333 2/20 Marcis-MO)(222
 Miklejewski-MN)(253 0559 2/15 Pecenska-IN)
 6130 2145 Radio Ghana (GBC): EE w/afro mx (322 3/6 Tuomialho-ONT)

GUINEA-BISSAU

- 4780NF *0600 Radiodifusao Nacional de Guinea-Bissau: PP w/drum IS, anthem,
 s/on, afro mx (Operation is quite irregular. Many nights they
 come on late or not at all)(333 2/19+ Zimarowski-MA)(444 *0600
 3/8+ Butterfield-MA)(333 2246 3/6 Miller-OH)

GUINEA

- 4910 0702 Radiodiffusion Nationale: FF tlc til 0732 ID, UTE QRM (232 2/21
 Wilson-CA)(222 2/23 Uerlings-OR)(332 2210 Miller-OH)(111 IDed by
 // 7125 Brookwell-CA)(232 3/2 Fischer-PA) in vern (323 2300 3/1
 Seymour-NC)(322 0506 2/20 Beal-WA)
 7125 0322 R. Nationale: FF native songs, OM tlc bad CW QRM (211 2/23
 Brookwell-CA)

IVORY COAST

- 4940 2259 Radiodiffusion Television Ivoirienne: FF w/ Afro mx (454 3/1
 Maghakian-NY)(343 2240 Yajko-PA)(433 2215 2/27 Fischer-PA)
 11920 2320 RTVI: FF pop mx w/OM annrc, good listening pgm (333 3/5 Hutchins-
 MO)(243 2/26 Fischer-PA)(353 2/14 Earhart-PA)(433 Miklejewski-
 MN)(322 2105 3/5 Seymour-NC)

KENYA

- 4915 0620 Voice of Kenya: Swahili OM tlc, drums, more tlc, good signal
 but static QRM was high (422 2/27 Earhart-PA)

LIBERIA

- 3990 0502 VOA, Monrovia Relay: EE w/"Breakfast Show" (333 2/10 Smith-FL)
 4770 2115 ELWA: EE w/ afro & rel mx, ID/TC (344 3/9 Butterfield-MA)(342
 2235 3/5 Fischer-PA)
 6035 0420 VOA, Monrovia: EE tlc about mushrooms, mx (444 2/13 Gaede-CA)
 7280 0330 VOA, Monrovia: EE nx, "African Safari" (433 3/5 Grenier-CA)
 (344 0447 3/1 Pecenska-IN)
 11945 2025 ELWA: EE rel tlc, hymn, nx (433 2/13 Garner-ONT)(433 McIntosh-PA)
 12010 2018 VOA, Monrovia: EE discussions (443 2/27 Famularo-NJ)
 15315 1930 VOA, Monrovia: FF ID, NX (333 2/22 Beal-WA)
 17870 2201* VOA, Monrovia: EE "Africa in Print", nx, "Africana" (515 Marcis-
 MO)
 17885 1720 VOA, Monrovia: Lang? nx, comment (333 3/10 Dutkowski-BC)

LIBYA

- 9565 1925 People's Revolutionary Broadcasting: EE nx into FF at 1930
 (333 Burnett-WI) Mark, are you sure about this? Any ID heard?

MALAGASY REPUBLIC

- 11730 *2000 Radio Nederland, Talata Pelay: EE IS,IDs,nx (454 2/24 Pecenka-IN)
(555 2000 2/10 Maghakian-NY)(353 2/28 Link-CA)(444 2035 Stone-ONT)
(443 2035 3/2 Miller-OH)(in AA 433 1947 3/6 Dutkowski-BC)
11740 1359 R. Nederland,Talata: EE IS, Nx, European folk songs (454 2/14
Araki-JAPAN)(in Dutch, 333 1350* Pecenka-IN)(in AA, 444 1920
Pimblett-ALBERTA)(322 1850 2/17 Beal-WA)
21685 1638 R. Nederland,Talata: AA CM tlk, ID, 1649* (333 Earhart-PA)

MALAWI

- 3380 0256 Malawi Broadcasting Corporation: EE w/rooster & drum IS, ID,
tlk (222 3/5 Breeden-MS)(Chichewa, 232 0354 3/8 Donly-SC)

MALI

- 4780 0715 Radiodiffusion du Mali: FF/vern afro pop mx, EE vocals (433 2/21
Beal-WA) Could this also be Guinea-Bissau? rmf.
5995 0735 R. du Mali: FF singing, drum ID (222 3/5 Fischer-PA)
11960 1714 R. du Mali: FF YL tlk, afro folk mx (232 2/17 Pecenka-IN)

MOROCCO

- 6170 2149 Radiodiffusion Television Moracaine: AA mx // 9615 (233 3/5
Breeden-MS)(453 2231 Maghakian-NY)(222 2/27 Famularo-NJ)
6180 0035 RTVM: AA chants, mx, mixing w/UNID station (322 2/16 Beal-WA)
9505 1600* VOA, Tangier Relay: just audible w/VOA, Greenville interfering,
1st s/off then 2nd s/off (222 3/9 Dutkowski-BC)
9615 2217 RTVM: AA mx until 2300 when Vatican R. took over (333 3/2 Pim-
blett-ALBERTA)(333 2155 3/6 Crable-ID)(454 2250 Maghakian-NY)
15360 1508 RTVM: AA OM ID, AA chants (343 2/19 Pecenka-IN)

MOZAMBIQUE

- 11820 1820 Radio Mozambique, Maputo: EE "Voice of Zimbabwe" pgm til 1824,
PP thereafter with mx (444 3/3 Tilbury-AK)

NIGERIA

- 3204 2251 Nigerian Broadcasting Corporation, Ibadan: EE w/afro mx, drum IS,
ID, nx@ 2300 (222 2/26 Zimarowski-MA)(232 2330 Hammer-OH)
4990 0450 NBC, Lagos: EE IS, YL ID, lang. chants, EE nx (232 2/15 Hammer-OH)
(243 0529 Trautschold-WI)(242 2/25 Wilson-CA)(222 3/6 Grenier-CA)
(443 1640 Junqua-JAPAN)(322 2203 Fischer-PA)(343 2257 Mikle-
jewski-MN)(454 0530 2/17 Peck-NY)(353 0607 Tilbury-AK)(323 3/3
Stuart-MA)(433 3/10 Butterfield-MA)(332 2158 Zimarowski-MA)
(222 2/15 Zink-CA)(343 3/12 Schipelliti-MA)
5965 *0430 NBC, Lagos: EE s/on after drum IS, also after RCI s/off (342
2/28 Watts-IN)(333 2228 3/1 Miller-OH)
7275 0647 Voice of Nigeria: 0647- bells, 0652- drums, s/on @ 0655, pro-
gram notes, local nx (443 2/20 Unruh-CA)(444 0700 Fowler-ONT)
(344 2/22 Pecenka-IN)(532 2/9 Smith-FL)(322 3/1 Crable-ID)

RHODESIA

- 3396 0405 Rhodesian Broadcasting Corporation: EE nx, mx, ads (333 2/11
Seymour-NC)(333 0420 2/28 Schipelliti-MA)

RWANDA

- 7225 0430 Deutsche Welle, Kigali Felay: EE world nx, comments, orch mx,
science reports (333 2/26 Thompson-NM)(242 0515 2/17 Pecenka-IN)
9735 2220 DW, Kigali: GG classical mx, annx // 9700 (111), 15410 (333)
(333 2/24 Hutchins-ME)
15410 *2155 DW, Kigali: GG/FF IDs at s/on, apparently // 11795 (444 2/19
Naylor-CA)(433 *2200 Beal-WA)(222 2255 2/27 Dutkowski-BC)

SENEGAL

- 4390 2212 Radiodiffusion du Senegal: FF tlk on Albania (??? Cabos-FRG)
(322 0607 Uerlings-OR)(AA, 443 Maghakian-NY)(242 Miklejeski-MN)

SEYCHELLES

- 9510 1733 Far East Broadcasting Association: EE rel pgm (422 Garner-ONT)
(222 3/7 Smith-MA)(Vern, 322 Uerlings-OR)(U/lang 433 Pimblett-)
9700 0408 FEBA: End of "Radio Today" giving Nairobi address, 0409 ID. No
sign of AFRTS (354 2/10 Hauser-TN)(534 0310 Peck-NY)(555 Magh-
akian-NY)(433 1516 Dutkowski-BC)
11845 1356 FEBA: EE IS, tlk by OM (333 2/20 Makishima-JAPAN)(322 1605 Beal-
WA)(322 3/2 Miklejewski-MN)

SIERRA LEONE

- 3316 2240 Sierra Leone Broadcasting Corporation: EE mx, bad het. (??? 3/8
Butterfield-MA)(222 3/6 Seymour-NC)(422 0001 3/6 Breeden-MS)

SOMALIA

9585 2050 Radio Mogadishu: Somali OM tlc (434 3/1 Famularo-NJ)

SOUTH AFRICA

3250 0145 South African Broadcasting Corporation: FF OM w/ easy listening mx (433 2/23 Verlings-OR)(343 Earhart-PA)(433 Grenier-CA)(322 3/9 Pimblett-ALBERTA)(333 0215 Thompson-NM)

3285 0453 SABC: EE mx & ads, annoying het. (322 3/6 Earhart-PA)

3980 0412 SABC (Springbok): EE mx, ads HAM QRM (433 Maghakian-NY)(332 Smith-)

4810 0430 SABC: EE mx, ads, comment (333 3/9 Link-CA)(232 Smith-FL)(333 Grenier-CA)(444 Hammer-OH)(555 Maghakian-NY)(433 Peck-NY)(444 Garner-ONT)(544 Miller-CA)(333 Miller-OH)(242 Pecenka-IN)

4835 0415 SABC: EE agricultural tlc (544 3/10 Carrier-FL)(322 Enoza-CA) (334 Verlings-OR)(454 Wilson-CA)(332 Jones-MS)(555 Maghakian-NY)

4880 *0400 SABC: Afrikaans tlc, polka mx (555 2/15 Wilson-CA)

5980 *2230 Radio RSA: EE pgm to USA & Canada (443 Takada-JAPAN)

7270 0250 RSA: EE pgm to E. Africa & M. East (433 3/4 Unruh-CA)(FF, 212 Pecenka-IN)(Afrikaans, 433 2/20 Miller-CA)

9585 2305 RSA: EE letters, mx, nx, 2320* (554 3/7 Eaton-WI)(444 Batson-KS) (554 Miller-CA)(343 Earhart-PA)(554 Carrier-FL)

9710 0531 SABC: EE nx, ads (434 2/16 Workman-WI)(323 2/18 Hammer-CH)

11800 2235 RSA: EE "South African Panorama" (323 Fischer-PA)(344 2/27 Naylor-CA)(433 2133 2/28 Dutkowski-BC)

11900 2140 RSA: EE DX Corner (434 Onken-IL)(Fischer-PA)(Grenier-CA)(Cabos-FRG)(Crabble-ID)(Thompson-NM)(McIntosh-PA)(Arnold-CA)(Pimblett-ALBERTA)(Garner-ONT)(Miller-CA)(Rosinski-PA)(Seymour-NC)(Link-CA) (Pecenka-IN)(Carrier-FL)

21535 1600 RSA: EE nx (333 2/27 Pollard-RI)(444 Carrier-FL)(Maghakian-NY) (444 Stone-ONT)(442 Smith-FL)(Earhart-PA)

SUDAN

9505 1553 Radio Omduran: soft vocals, YL annx (222 3/9 Dutkowski-BC)

11834.6 1913 R. Omdurman: AA local mx, tlc, nx (322 Zimarowski-MA)(222 Beal-WA)

SWAZILAND

4760 0359 Trans World Radio: Afrikaans ID, OM tlc, rel mx (222 Breeden-MS) (242 2/25 Wilson-CA)

4980 0435 Swazi Music Radio: EE pop mx, OM/YL tlc, ID (232 Crabble-ID)

5055 0428 TWR: EE IS, ID, rel pgm (222 zink-CA)(433 0443 Butterfield-MA) (332 0445 Hammer-OH)

11955 1830 TWR: PP rel pgm, tlcs (333 3/4 Tilbury-AK)(222 2/24 Beal-WA)

TANZANIA

5050 0808 Radio Tanzania: Swahili w/afro mx (222 2/12 Gaede-CA)

15435 2015* R. Tanzania: EE ID, freq, sked NA (232 Smith-MA)(332 Pimblett-ALBERTA)(333 Beal-WA)(222 Fowler-ONT)(232 1850 Zimarowski-MA)

TOGO

5047 2230 Radiodiffusion du Togo: FF talks (444 Yajko-PA)(322 Zimarowski-MA) (343 3/3 Miklejewski-MN)(222 3/6 Famularo-NJ)

TUNISIA

7275 0608 Radiodiffusion Television Tunisienne: AA nx, tlc, ID (433 2/22 Zimarowski-MA)(433 0510 2/26 Earhart-PA)

11970 1100 RTVT: AA nx (333 2/12 Cabos-FRG)

15225 0136 RTVT: AA YL songs, much tlc (222 Brookwell-CA)(353 Tilbury-AF) (433 3/5 Miller-OH)

UGANDA

4980 0538 Uganda Broadcasting Corporation: EE OM ID, MOR mx (243 Trautschold)

9515 1630 UBC: EE nx, just audible under jammer (--- Junqua-JAPAN)

9730 2035 UBC: EE nx, mx ID @ 2100 (333 Fowler)(222 Beal)(432 Pimblett) (332 Miklejewski-MN)

15325 1810 UBC: EE mx, nx @1815 (322 Seymour-NC)(322 1825 Famularo-NJ) (CH)

UPPER VOLTA

4816 2222 Radiodiffusion Television Voltaïque: FF tlcs, afro mx (242 Miller-

ZAIRE

15245 2030 La Voix du Zaire: FF tlc, afro mx (443 Peck-NY) + 5 others

15350 2250 LV du Zaire: FF tlc, mx (555 2/28 Watts-IN) + 4 other reporters

ZAMBIA

4911T 2235 Radio Zambia: Afro/lang tlc, mx (454 3/1 Maghakian-NY)

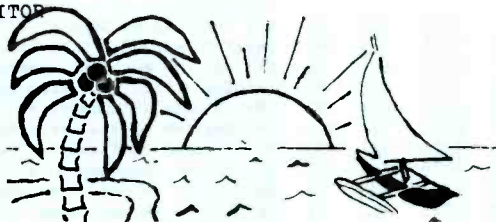
That does it for another month. Thanks to the 66 contributors without whom there would be no column, obviously. Welcome new reporters; George Link Martin Peck, Tomoyuki Takada, Don Unruh, William Wilson, and a delayed welcome to Chris Sebastian, who I overlooked last month. Keep up the good work and until next month,

ASIA-OCEANIA

THANK TO THIS MONTH'S EDITOR
MEL HICKMAN

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DEADLINE: 15th of the month



ASIA

BANGLADESH

15270 1245 322 SC RB: English w/Oriental mx, 1300* w/skcd. (Donly 2/16)

BURMA

4725 1130 232 WCNA BES: Burmese mx, OM anmts, into Chinese at 1230, QRM de USAF on 4724. (Tilbury AK, Crable ID, and Brookwell CA)

CAMBODIA

4907 1410 433 AK RDC: Khmer OM tlk, tentative ID. (Tilbury 3/5)

CHINA

2460 1436 --3 CA Kunming 1: Chin OM/YL tlk, mx // 2475 (Hangzhou). (Cleveland)
2475 1350 222 OR Hangzhou 1: Chinese OM with talk. (Uerlings 3/5)
2490 1415 322 WCNA PLA 1: Chin YL mx, tlk. (Cleveland 2/24)(Uerlings 3/5)
3000 1454 --3 CA PLA 1: Chinese vocal music. (Cleveland 2/17)
3200 1447 --2 CA PLA 2: Chinese woman with talk. (Cleveland 2/23)
3220 1325 221 OR Beijing 1: Chinese drama with OM and YL. (Uerlings 3/5)
3260 1257 221 CA Guiyang: YL and OM talk, into IS. (Brookwell 2/16)
3360 1453 --2 CA PLA 2: Chinese commentary by YL. (Cleveland 2/23)
3400 1452 --3 WCNA PLA 2: Chinese YL with talk. (Cleveland 2/24)(Uerlings 2/22)
3450 1314 343 MN Beijing 1: Chinese mx, YL announcer, applause. (Miklejewski)
4068 1240 333 AK Huhehaote: Chinese (?) w/singing, OM/YL cmts. (Tilbury 3/5)
4460 1418 333 CA Beijing 1: Chinese YL tlk, shouting, mx. (Naylor 2/9)
4758 1510 121 OR Kunming 1: Chinese commentary per OM. (Uerlings 2/26)
4840 1207 242 OH PLA 2: Chinese march music by YL. (Miller 3/7)
4881v 1435 343 WA RP: Chinese vocals by YL. (Beal 2/24)
4905 1223 343 MN Beijing 1: Chinese OM tlks, East is Red at 1227. (Miklejewski)
4915 1335 243 CA Nanning 1: Chinese w/Eng lessons. (Wilson 2/22)(Miklejewski MN)
4925 1210 252 IN Ha'erbin: Chinese OM talk. (Pecenka 3/6)
4980 1200 444 OKI PLA 1(?): Chinese tlks // 3000, 3535, 3640, 4045, 4330. (Hardester)
5075 1330 232 ALB Beijing 1: Chinese music, talk by YL. (Plamlett 3/11)
5145 *1500 333 CA RP: Russian IS, ID, OM and YL tlks, music. (Miller 2/7)
5170 1215 242 WI PLA 2: Chinese talk, music, chorus singing. (Zilmer 3/2)
5240 1200 242 WI PLA ? : Chinese OM and YL talk // 5265 (342). (Zilmer 3/2)
5950 0950 --2 OH Ha'erbin: Chinese talk by OM. (Moritz 3/6)
6185 *1500 333 CA RP: U/lang s/on with heavy VOA QRM. (Naylor 2/21)
6225 *1000 322 CA RP: Russian IS, ID, news, YL talk. (Miller 2/9)
6290 1212 322 ECNA RP: English tlk by YL. (Miklejewski MN)(Famularo NJ)
6665 2027 252 BC RP: Chinese music. (Newell 3/6)
6995 1445 ??? CA RP: U/lang anmts, Chinese music. (Wilson 2/19)
7060 1312 333 CA RP: Chinese to SEA, OM and YL talk, no music. (Brookwell 3/1)
7190 0710 222 CA Beijing 2: Chinese talk after Dahomey fade out. (Brookwell 2/19)
7504 1339 444 CA Beijing 1: Chinese OM and YL talk, tones at 1400. (Naylor 2/16)
8320 2342 222 NJ RP: Spanish YL tlk, Chinese chorus. Ute QRM. (Famularo 3/1)
9020 1534 322 WCNA Beijing 2: Chinese commentaries. (Dutkowski BC)(Brookwell CA)
9030 0000 342 WI RP: Spanish talk // 9440 (433) and 9500 (433). (Zilmer 2/19)
1254 222 CA Unid site with Asian language talk, East is Red. (Brookwell 2/9)
9064 1445 222 WCNA Beijing 2: Chinese organ music, commentary. (Brookwell) (Dutkowski)
9365 1218 252 NJ RP: Chinese with OM/YL talk. (Famularo 3/4) (Brookwell CA)
9390 1300 343 MN RP: Russian ID, news, music. (Miklejewski 3/5) (Dutkowski 3/9 BC)
1446 333 CA RP: Tagalog with YL talk, 1454* with IS. (Brookwell 2/10)

CHINA (CONTINUED)

9480	1439	222	CA	RP: Khmer tlks by YL, into music. (Brookwell 2/10)
9455	1333	423	CA	RP: Thai programming mixed with AFRTS. (Brookwell 2/9)
9460	0830	433	JPN	RP: Eng ID, news. (Makishima 2/19) (Dutkowski *0400 2/23 BC)
9470	1250	222	CA	RP: English to SEA w/tlk, IS, ID, more talk. (Brookwell 2/10) also heard in PA by Fischer with eng news at 1210 with 444 sigs.
9480	1414	323	CA	RP: Tamil to S. Asia w/YL tlk, band music. (Brookwell 3/1)
9490	1705	343	WA	Lasa: U/lang OM w/classical music sung by YL. (Beal 2/24)
9750	0315	232	PA	RP: English economic commentaries. (McIntosh 2/14)
9850	1520	433	BC	RP: Eng tlk on Afro-Arab conference. (Dutkowski 3/9)
9900	1615	222	BC	RP: Chinese discussion with two announcers. (Dutkowski 2/24)
9940	0000	322	N.A.	RP: English to N.A. reported by Spencer OK, Pimblett ALB.
	1525	222	BC	RP: Chinese band music. (Dutkowski 3/9)
9980	1608	222	BC	RP: French programming with march music. (Dutkowski 2/24)
10260	2357	433	CA	Beijing 2: Chinese time check, ID, drama // 11040. (Brookwell)
11290	0022	222	CA	Beijing 2: Chinese mixed chorus mx // 11330 (222). (Brookwell)
11375	*0100	322	MN	RP: English IS, ID, news by YL // 11945. (Miklejewski 3/6)
11445	1216	222	CA	RP: Amoy to SEA with YL talk. (Brookwell 2/13)
11455	0036	211	CA	RP: Hakka to SEA w/YL tlk, CW QRM. (Brookwell 2/13)
11505	0355	322	BC	RP: Chinese OM with speech. (Dutkowski 3/6)
11515	0024	444	CA	RP: Thai pgm to 0030, into Chaochou, all talk. (Brookwell)(Zink)
11650	*0100	252	NJ	RP: Spanish IS, ID, East is Red, talks. (Famularo 3/2)
11660	0048	333	ME	RP: English translation of Chinese poem, 0053*. (Hutchins 3/4)
11675	*0000	343	BCNA	RP: English news and talks reported by Maghakian NY, Yajko PA, Fischer PA, Schipelliti MA, and Famularo NJ.
11695	1223	222	CA	RP: Khmer YL talks, no music. (Brookwell 2/13)
11720	0220	232	BC	RP: Chinese commentary. (Dutkowski 3/6)
11945	*0000	433	N.A.	RP: English here reported by Novello NY, Garner ONT, Smith FL, Pimblett ALB, Yajko PA, Fischer PA, Dutkowski BC, Stone ONT, and Earhart PA.
11980	0017	433	CA	RP: Chinese OM with talk. (Zink 2/22) (Dutkowski 0349 333 BC)
	1255*	252	PA	RP: Spanish with Chinese choral songs, YL announcer. (Earhart)
12015	0110	343	PA	RP: English talks on Africa. (Fischer 2/21)
12055	1703	323	BC	RP: Chinese talks. (Dutkowski 2/27)
15080	0006	333	PA	RP: Hakka to SEA w/YL tlk, into Chaochou at 0030. (Yajko)(Brookwell)
15300	*0300	333	ALB	RP: Russian s/en, wiped out by Jamming at 0304. (Pimblett 3/5)

INDIA

3205	1540	333	JPN	AIR Lucknow: English OM news, into u/lang cmt. (Wakisaka 3/5)
3255	1502	232	OR	AIR Delhi: U/lang YL with singing and music. (Uerlings 2/23)
3355	1528	322	OKI	AIR Kurseong: Eng world news after lang at 1515. (Hardester)
	1603	333	JPN	AIR Kurseong: Subcontinental music by YL. (Lang?). (Wakisaka)
3375	1505	333	JPN	AIR Gauhati: Assamese w/subcont mx, tlk, ID, Eng nx. (Wakisaka)
5990	0155	333	MAN	AIR Bhopal: Hindi w/subcont mx, 0215 fade out. (UMDX 2/18)
7125	1228	322	WI	AIR: Tibetan IS to *1230, pgms to Bhutan. (Zilmer 3/4)
9525	2100	322	BCNA	AIR Aligarh: Eng ID, talks, music reported by Butterfield MA, Famularo NJ, and Maghakian NY.
9615	1628	232	OR	AIR (Site?): Russian talk, Indian mx // 7105. (Bodell 2/28)
9912	2120	433	NY	AIR Delhi: Eng w/Indian mx, news. (Peck)(Maghakian)
	2200	332	OH	AIR Delhi: Eng political news. (Hammer 3/6)
9950	1534	343	MN	AIR Delhi: Eng news, into interview at 1545. (Miklejewski)
11620	2155	222	MN	AIR Delhi: Eng sitar/guitar music, ID. (Miklejewski 3/6)
11810	1335	233	ID	AIR Aligarh: Eng news of elections, ID, mx. (Cable 2/24)
	1415	323	IL	AIR Aligarh: Eng nx, cmt, Indian mx, drama. (Onken 2/6)
11850	2333	333	AK	AIR: English drama til 0015, mx, YL ID. (Tilbury 3/6)

INDONESIA

3165T	1448	--1	CA	RKPD Kota Madya Surabaya: Indo local mx, OM tlk. (Cleveland 3/7)
3205	1457	--3	CA	RRI Gorontalo: Indo pop (U.S.) mx, YL DJ, OM news. (Cleveland)
3250	1453	--2	CA	RRI Banjarmasin: Indo OM with talk. (Cleveland 3/1)
3324	1105	332	JPN	RRI Palangkaraya: Indo local news, pop mx, ID. (Wakisaka)
3325	1500	333	WCNA	RRI Jember: Indo OM newscast. (Uerlings OR)(Cleveland CA)
3374	1453	--1	CA	RRI Jambi: Indo chanting, very weak. (Cleveland 3/4)
3385	1505	322	OR	RRI Kupang: Indo OM with talk, bad modulation. (Uerlings 2/22)
3395	1441	333	JPN	RRI Tanjung Karang: Indo pops, frequent ID. (Junqua 3/4)
	1515	323	OR	RRI Tanjung Karang: Indo OM talks. (Uerlings 2/22)
3463T	1448	--1	CA	RKPK Pasuruan: Indo YL with talk, CW QRM. (Cleveland 2/24)
4698	1355	222	JPN	RKIP Surabaya: Indo w/cl mx, news, pops. (Wakisaka 2/21)
4719	1345	433	N.A.	RRI Ujung Padang: Indo OM/YL tlk, music reported by Breeden MS, Miklejewski MN, Tilbury AK, and Cleveland CA
4790	1219*	--3	OH	RRI Fak-Fak: Indo YL tlk, music, ID, s/off. (Moritz 3/6)
4805	1517	233	OR	RRI Jakarta: Indo OM with commentary. (Uerlings 2/26)
4845.5	1043	343	JPN	RRI Ambon: Indo with music request pgm. (Junqua 3/4)

INDONESIA (CONTINUED)

4875 1145 353 OH RRI Sorong: Indo mx, YL talks. (Miller 3/5)(Hardester OKI)
 4900 1318 222 JPN RRI Gorontalo: Indo with talks by OM. (Wakisaka 3/4)
 4932 1505 323 OR RRI Surakarta: Indo OM with news. (Uerlings 3/1)
 4985 1240 333 JPN RRI Ujung Padang: Indo talk, ID. (Wakisaka 3/4)
 5046 1137 333 JPN RRI Yogyakarta: English news, annts, into Indo at 1141. (Junqua)
 5260 1456 --2 CA RRI Sibolga: Indo YL with native music. (Cleveland 3/2)
 5885 1520 322 OR RRI Pekanbaru: Indo OM with talk, music. (Uerlings 3/1)
 5987 1445 --3 CA RRI Manado: Indo OM comment. (Cleveland 3/2)
 7070 1314 333 MS RRI Jakarta: Indo ID, OM talk. (Breedon 2/21) (Wilson CA)
 11790 1159* 433 JPN VOI: English sign off. (Makishima)(1251 Chinese Brookwell CA)

IRAN

9022 2245 222 MA VOI: Farsi music and chants. (Stuart 3/2)
 15084 1550 354 ECNA VOI: Farsi w/YL/OM tlk, music. (Novello NY)(Pecenka IN) and (Miklejewski MN) Welcome back to A/O, Stan.
 1820 343 NJ VOI: Arabic w/slow chants, stringed instruments. (Famularo 2/27)

IRAQ

6030 1251 243 NJ RB: Kurdish YL talks and chants. (Famularo 2/23)
 9745v 2000 333 ECNA RB: English pgms noted by Schipelliti MA, Fischer PA, Garner ONT, and Novello NY.
 2135 555 NY RB: French with light music, news. (Maghakian 2/15)

ISRAEL

5900 500,2000 444 ECNA IBA: English pgms noted by McIntosh PA, Maghakian NY, Wilder PA, Rosinski PA, Smith FL, and Fisher PA
 2230
 7395 2231 353 IN IBA: Spanish with "La Voz Israel" ID. (Pecenka 2/23)
 7412 0510 322 CA IBA: English news and weather. (Link 3/12) + many others.
 7462v 0449 433 FL IBA: Hebrew mx, nx. (Smith) (2136 comedy // 9355 Hutchins ME)
 9009 *2000 332 ECNA IBA: English news, DX pgm. (Zilmer WI)(Fischer PA)
 9355 2220 444 ECNA IBA: Hebrew with light music. (Maghakian NY)(Peck NY)(Zilmer WI)
 9425 *2000 443 ECNA IBA: Eng news, letters, DX pgm. (Zilmer WI)(Maghakian NY)(Fischer)
 2050 344 NJ IBA: Hebrew YL talk, music, OM talk. (Famularo 3/1)
 9435 *2230 444 N.A. IBA: English on this popular channel reported by Garner ONT, Macris MO, Pecenka IN, Schipelliti MA, Fischer PA, Batson KS, and Crable ID. Yes, Vera, I'm still alive, MLH.
 9630 *1800 333 ALB IBA: Russian s/on, ID, then jammed. (Pimblett 3/6)
 9815 2245 444 N.A. IBA: Eng on another popular spot, this time by Weltman WI, Carrier FL, Pecenka IN, Eaton WI, Thompson NM, Spencer OK, Bethge MO, Novello NY, Peck NY, and Fischer PA.
 11625 *2000 343 WI IBA: Hebrew tlk, mx, ads, news // 9355. (Zilmer 3/6)
 11960 *0500 241 TN-WI IBA: Eng new freq to WCNA // 12045. (Hauser and Zilmer)
 15445 1225 353 NJ IBA: Yiddish ads, music. (Famularo 3/7)
 1315 443 WI IBA: Hebrew tlks, mx on new freq // 12077.5. (Zilmer 3/6)
 17815 1200 343 WI IBA: New Eng to N.A. freq // 15512, 15485, 15100, 11655. (Zilmer)
 21625 1400 433 WI IBA: Yiddish pgm to Europe, 1430 into Russian. (Zilmer 3/6)

JAPAN

3607 1252 252 AK NHK Hiroshima: Japanese talks by a male announcer. (Tilbury 3/5)
 5990 1000 545 CA RJ: English current topics, Japanese lessons. (Miller)(Dutkowski)
 6155 1000 333 CA-MS FEN: Eng news, mx, cmt, drama. (Andza, Unruh, and Jones) Law firm?
 9505 1900 343 CA RJ: Eng current topics. (Arnold 2/13) (Pimblett ALB)(Dutkowski BC)
 9525 1348 333 CA RJ: Indo to 1400, Thai to 1430, Chinese to 1515*. (Brookwell 3/1)
 9670 1657 232 MN RJ: End of Eng pgm, into French with news. (Miklejewski 3/5)
 11750 1815 553 CA FEN: English music and OM talk. (Link 3/6)
 11815 1710 333 WCNA RJ: English news, comments. (Pimblett ALB)(Imbert NM)(Dutkowski BC)
 15105 0100,2200 333 N.A. RJ: An all-time favorite RJ freq sports these supporters: Tuomialhe ONT, Pimblett ALB, Stuart MA, Smith MA, Kummer KY, Somers CA, Famularo NJ, Garner ONT, Maghakian NY, Onken IL, Imbert NM, Gaede CA (good to see you back, A.C.), Pecenka IN, Yajko PA, and Miklejewski MN. Not so fast, Mel, you almost forgot Spencer OK and Schipelliti MA.
 15195 *2345 343 ECNA RJ: Eng to ECNA reported by Famularo NJ, Zilmer WI, Miller OH.
 15300 *2300 333 ECNA RJ: Japanese newscast. (Dutkowski BC and Zink CA)
 15420 0200 343 N.A. RJ: English talks, news, music, Asian news, etc. noted by Fischer PA, Link CA, Thompson NM, and Miklejewski MN.
 17825 0130 343 NM RJ: English ID, news, comment, Japanese lessons. (Thompson)(Imbert)

JORDAN

9560 1600 322 MA R. Jordan: Eng time tones, news, music. (Butterfield 3/10)

D. F. R. KOREA

2302.5 1405 532 EC KCBS Hyesan (?): Korean commentary. (Newell 3/5)
 2850 1610 342 EC KCBS: Korean YL and OM talks. (Newell 3/5)(Cleveland 2/28)

D. F. R. KOREA (CONTINUED)

3015 1300 343 CA R. Pyongyang: Korean (?) vocal mx. (Naylor 2/10)(Cleveland)
 3031 1449 --2 CA KCBS Wonsan: Chinese OM with talk. (Cleveland 3/1)
 3321 1454 --3 CA RP: Korean choral music. (Cleveland 3/7)
 3560 1255 333 AK RP: English YL commentary, ARO QRM. (Tilbury 3/5)
 6603m 2033 352 BC RP: Korean YL talk. (Newell 3/6)
 6770 1528 543 BC RP: French YL singing, ID. (Newell 3/3)
 7203 1000 433 OK-JPN RP: English news, ID, comment. (Spencer and Makishima)
 7210 *1200 222 JPN RP: Russian ID, talk. (Takada)
 9420 1330 211 CA RP: Chinese YL talking, music. (Brookwell 2/10)
 9510 1430 322 CA RP: French to SEA, YL talk, utility QRM. (Brookwell 3/1)
 9768 1009 353 CA RP: English political comment, 1048*. (Unruh 2/26)
 9820 0607 444 JPN RP: English talk by female, ID. (Makishima 2/20)
 9840 1618 422 BC RP: English commentary, news, music. (Dutkowski 2/10)
 9977 1845 333 CA-ALB RP: English songs, ID, talks. (Klontz and Pimblett)
 11350 2230 343 MN RP: Korean with two OM talking, this after mx. (Miklejewski)

REP. OF KOREA

3918 0959 333 JPN KBS: Korean ID, news, folk music, drama. (Araki and Wakisaka)
 1715 343 AK KBS: Korean YL tik, relay of FEN Eng news. (Tilbury 3/2)
 6348 1209 533 JPN R. Echo of Hope: Korean music, YL talk, RTTY QRM. (Takada)
 9640 0755 433 JPN RK: Korean ID, talk. (Makishima 2/20) (1650 444 BC Dutkowski)
 1805 554 CA RK: English news, commentary, into Korean at 1830. (Miller, Link)
 11745 1458 322 BC RK: English ID, other programming. (Dutkowski 2/23)
 11860 1344 333 CT RK: English "Listener's Corner", comment, features. (Brooks 2/21)

KUWAIT

9580 1830 333 ECNA RK: Eng rock mx, talk. (Fischer PA)(Maghakian NY)(Haaner OH)
 11940 1700 333 WI RK: English pop and rock music. (Zilmer 3/6)
 15345 0545 333 ALB RK: Eng pop and classical mx, ID. (Pimblett 3/5)

LAOS

6130T 1245 222 OH NRBS: U/lang with music, YL/OM talk. (Miller 3/2)

MALAYSIA

3915 1250 444 AK BBC Tebrau: English radie play. (Tilbury 3/5)
 4985v 1501 222 WA R. Malaysia Penang: Eng/Malay OM talk, YL comment. (Beal 2/24)
 7180 *1100 433 JPN BBC Tebrau: Japanese s/en, news. (Makishima 2/21)
 1330* 222 CA BBC Tebrau: Cantanese YL talk, sign off. (Brookwell 2/16)
 15440 0001 242 MA BBC Tebrau: Eng ID, W.S. news. (Schipelliti) sked shows 15435.

MONGOLIA

6383 *1220 222 JPN R. Ulan Bator: English IS, ID, news. 1228*. (Takada)

NEPAL

3425 1442 --2 CA R. Nepal: Nepali local exetic music. (Cleveland 2/14)
 5007 1705 222 JPN RN: Nepali with subcont mx by YL // 3425. (Wakisaka 3/5)

PAKISTAN

3330T 0144 422 BC PBC Peshawar: Urdu (?) w/subcont mx. (Newell) Haman. MLH.
 1517 221 OR PBC Peshawar: U/lang w/subcont mx to 1525 fade out. (Uerlings)
 3890 1415 233 AK PBC Karachi: U/lang talk by OM. (Tilbury 3/5)
 4790 1623 333 JPN RP Rawalpindi: English football, news, cnt. (Wakisaka and Junqua)
 4935 1235 232 JPN RP Rawalpindi: Urdu with subcontinent mx, 1245*. (Wakisaka 3/5)
 7080 2330 232 NJ RP Karachi: U/lang with music, IS (?), OM talk. (Famulare 3/1)
 9445 1555 322 BC RP (Site?): Hindi (?) music and songs. (Dutkowski 2/10)
 11750 0140 454 MAN RP Karachi: Hindi music, ID, Urdu news, 0200*. (UMDX 3/4)
 15520 0620 343 ALB RP Islamabad: Urdu (?) subcont mx, pelar flutter. (Pimblett 3/5)
 *1330 343 WI RP Islamabad: Urdu s/en, tik, singing // 9460. (Zilmer 3/6)

PHILIPPINES

6105 1330 333 WI VOA Tinang: English news // 6185. (Zilmer 2/20)
 7225 *1000 444 JPN FEBC: Japanese s/en and talks. (Makishima 2/21)
 9580 0800,1500 433 WCNA VOP: English news, local music. (Unruh CA, Miller CA, and Thompson NM) (also Link CA)
 9645 1400 232 NM R. Veritas: English ID, freq annt, talk, address given. (Iabert)
 11930 2355 222 PA VOA Tinang: English/Chinese lessons. (Yajko 2/24)
 15235 0051 333 CA FEBC: Eng OM religious talk, Manila address given. (Brookwell)
 0200 343 ID FEBC: English ID, YL with requests, religious mx. (Cralbe 2/26)
 17810 0000 242 NY FEBC: English list of freqs, religious music. (Rafe 3/6)
 0030 343 CA FEBC: Eng religious programs, news at 0030. (Unruh 3/10)

QATAR

9570 1605 333 JPN QBS: Arabic chants and local music. (Junqua 3/1)

RYUKYU ISLANDS

7165 1200 423 ECNA VOA Okinawa: Engl pgs heard by Spencer OK, Earhart PA, Seymour NC.

RYUKYU ISLANDS

9560 1157 242 NJ VOA Okinawa: Chinese music, YL talk, pop music. (Famularo 3/1)

SABAH

4970 1455 --3 CA R. Malaysia Sabah: Malay w/pop mx, OM annor, ID. (Cleveland 3/8)

5980 1535 333 OR RMS: Eng anmts, pop mx, news, no sign of Burma. (Bodell 3/16)

SARAWAK

3385 1454 --3 CA R. Malaysia Sarawak Miri: Iban OM w/pop mx, 1500*. (Cleveland)

4895 1405 323 AK RMS Kuching: Iban news by a man. (Tilbury 3/5)

1445 343 WA RMS Kuching: U/lang OM chants w/handclapping. (Beal 2/24)

4950 1100-1408 333 N.A. RMS Kuching: English talks, music, news reported by Breeden MS,

Pimblett ALB, Miller OH, and Tilbury AK.

7270T 1234 222 CA RMS Kuching: Chinese YL talk, time pips at 1230. (Brookwell 3/1)

SAUDI ARABIA

6130 2200 333 ECNA BSKSA: Arabic music, OM anmts, 2300*. (Breeden MS)(Famularo NJ)

9730 2100 443 ECNA BSKSA: Arabic music, talks. (Sarhart PA)(Maghakian NY)

11855 1858 222 PA BSKSA: End of French pgm, English ID, VOA QRM. (Fischer 3/5)

11930 1710 322 OR Holy Qur'an Station: continuous Qur'an + Islamic tlc. (Bodell 3/16)

15115 1415 433 MA BSKSA: Urdu w/Arabic mx, 1430 ID, news. (Miller 2/19)

21590 1433 242 NJ BSKSA: Arabic with YL chants. (Famularo 3/8)

SINGAPORE

5052 1514 434 OR R. Singapore: English with classical music. (Uerlings 3/1)

SRI LANKA

3395 1447 --2 CA SLBC: Sinhala OM mx. (Cleveland) (1720 212 JPN Wakisaka)

9720 1545 333 JPN SLBC: English ID, pop music. (Wakisaka 3/4)

11800 0103 332 OR SLBC: U/lang with OM singing Sri Lankan mx. (Bodell 2/28)

1650 343 MN SLBC: Hindi with music, YL ID at 1700, more mx. (Miklejewski 3/3)

11935 1625 343 WA VOA Colombo: English with Duke Ellington music. (Beal 2/24)

TAIWAN

9575 0223 333 CA VOFC: English talks, abruptly left air at 0227. (Gaede 2/14)

11795 1245 333 CA VOFC: Japanese to 1300, into Amoy with drama. (Brookwell) // 11825.

15270 2300 343 WI-BC VOFC: Chinese talks, music to 2330 Japanese. (Zilmer, Dutkowski)

15425 0100 343 WCNA VOFC: English ID, tlks, Chinese music noted by Benjamin CA,

Unruh CA, Klentz CA, and Thompson NM. also Inbert NM.

THAILAND

9653.5 0903 333 JPN R. Thailand: English music, IS at 0914, into Lao. (Junqua 2/16)

TURKEY

9515 0510 444 AK WOT: Turkish OM chanting. (Tilbury 3/3)

9515&11880 *2200 433 N.A. WOT: Eng to past 0000 listed by Link CA, Inbert NM, Fischer PA,

Rosinski PA, Smith FL, Pecenka IN, Baston KS, Kummer KY,

Yajko PA, Eaton WI, Famularo NJ, Maghakian NY, Burnett WI,

Pimblett ALB, Arnold CA, Rafe NY, AND Peck NY.

UNION OF SOVIET SOCIALIST REPUBLICS (Asiatic and unknown sites)

2500 ---- --2 OKI unid Russian with talk on various dates. 2 X 1250?(Harde ster)

3879 1357 333 JPN unid site w/light mx, Mayak IS, talk // 3937. (Junqua 3/1)

4920 1320 232 CA Yakutsk: Russian with classical mx // 4940. (Wilson 2/19)

5910 1435 222 CA Krasnoyarsk: Russian w/Pac Ocean IS, OM/YL news. (Brookwell)

5920 1500* 333 CA Vladivostok: Russian cl mx and opera, Kiev IS at 1430. (Brookwell)

5935 0540 253 WI R. Riga: Spanish (?) cl mx, little tlc, 0558 IS. (Trautschold 3/5)

5960 0800 333 CA Vladivostok w/RM Japanese talk by YL. (Brookwell 2/12)

5990 1745 332 BC Mayak II usuals // 6035, 6070, 6080, and 6090. (Newell)

6060 1743 553 BC FE site w/RM and Peace and Progress, Chinese talks. (Newell)

6100 0200 211 MA Petropavlovsk: 2nd pgm Mayak, QRM de DW, clear ID. (Miller)

6165 1730 432 BC RM (site?): Chinese YL tlc, into P and P IS, ID. (Newell)

7135 0839 333 CA Peace and Progress: Komsomolsk w/Chinese YL talk, chines. (Brookwell)

7165 1510 444 CA RM Yakutsk(?): U/lang to 1530, into Eng Peace and Progress. (Wilson)

7185 1812 544 BC Mayak 2 in Iman (?) with violin solo, ARO QRM. (Newell)

7220 2315 333 VA RM via Chita: Chinese pgm // 7170 Novosibirsk // 7315. (Legge 3/6)

7240 1802 533 BC Petro-Kam: Mayak 2 overpowering regular programs. (Newell)

7260 1305 222 CA RM Petro-Kam: Korean OM talk, band music. (Brookwell 2/16)

7290 1051 222 CA unid site w/Chinese talk by YL, no mx // 7265. (Brookwell 2/27)

1800 433 BC Petro-Kam with Mayak 2 IS, ARO QRM. (Newell)

7300 1759 543 BC FE site with Mayak 2 music and IS. (Newell)

7340 1428* 222 CA unid site with Japanese pgm of RM, ID and IS. (Brookwell)

7400 0429 222 CA unid site w/5th pgm from Moscow, RM IS. (Brookwell 2/20)

7440 0815 333 CA Krasnoyarsk with 1st pgm, OM/YL news and cnt. (Brookwell 2/21)

9210 1317 222 CA unid site with SSB Japanese pgm, RM IS. Feeder? (Brookwell)

9470 1357* 333 CA RM from unid site with English freqs and sked. (Brookwell 3/1)

9490 1404 312 CA U/lang YL tlc, 1440 ID, into RM Russian MIC pgm. (Brookwell)

UNION OF SOVIET SOCIALIST REPUBLICS (CONTINUED)

9500	0351	533	BC	Chita with 1st pgm in Russian, YL talk. (Newell 2/13)
9600	0347	544	BC	Petro-Kam 1st pgm with Russian ID by YL. (Newell)
9610	*1400	333	CA	R. Peace and Progress OM/YL sign on in Chinese, into mx. (Naylor)
9645	0342	444	BC	Nikolaevsk with Russian 1st pgm, YL/OM talk. (Newell)
9725	0339	544	BC	Yakutsk also running First pgm with YL and OM talk. (Newell)
9765	*1400	343	OR	R. Medina with Russian OM talk. (Uerlings 3/5)
9770	0334	544	BC	Khabarovsk with First pgm with Russian OM conversation. (Newell)
9805	0338	554	BC	unid site with First pgm, Russian YL/OM talk. (Newell 2/13)
9810T	0218	242	FA	Nikolaevsk (per UHN) with cl mx, 0230 fade out. (Earhart 2/20)
11600	0057	333	CA	Novosibirsk with Russian ISB feeder. (Brookwell 2/13)
11700	1300	433	WI	R. Peace and Progress: Eng news, ID, 1329*. (Zilmer 2/27)
15200	1248	343	FA	unid Russian with talks, 1300* with out IS. (Earhart)
15385	*0100	232	VA	RM via Chita: Chinese pgm // 15295 Khabarovsk. (Legge 3/7)
15505	1330	422	WI	R. Peace and Progress: English news, comment, mx. (Zilmer 2/20)

AZERBAIJAN S. S. R.

3960	0855	333	JPN	RM via Baku(?): Russian light jazz, 0900 IS, ID, tlk. (Junqua)
4780	1453	333	JPN	R. Baku(?): Russian w/mx, tlk, more mx, OM/YL tlk. (Junqua)

GEORGIAN S. S. R.

5040	1551	322	JPN	Tbilisi (?) with nonstop music, 1600 time tones. (Junqua 3/4)
17820	1600	232	VA	RM via Tbilisi: French pgm to Africa. (Legge 3/7)

KAZAKH S. S. R.

4545	0230	322	BC	Alma Ata with H.S. in Russian, YL with music. (Newell 2/12)
5035	0117	322	BC	Alma Ata with RM Chinese pgm, YL chatter. (Newell)
15210	1300	333	VA	RM via Alma Ata: SEA languages during extended sked, 1500*. (Legge)

KIRGHIZ S. S. R.

17825	1228	232	VA	RM via Frunze: SEA lang with 1230*. (Legge 3/6)
17840	1215	232	VA	RM via Frunze: Vietnamese pgm // 15175 Chita. (Legge 3/12)

TADZHIK S. S. R.

4635	0133	242	MAN	R. Dushanbe: Russian pgm of mx and annts, no ID. (UMDX 2/22)
	0237	242	BC	RD: Russian with regional vocals, SSB QRM. (Newell)

TURKMEN S. S. R.

4930	0230	242	BC	Ashkhabad with QRM'd mx til IS, YL talks. (Newell)
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UZBEK S. S. R.

4850	1745	433	JPN	R. Tashkent: Russian (?) with jazz music, no ID. (Junqua 3/4)
6025	1405	444	MN	RT: English OM news, ID, commentary. (Miklejewski 3/1)
9600	*1200	333	ECNA	RT: English news and music noted by Earhart PA, Peck NY, Garner ONT, and Famulare Nt.
	1415	242	OKI	RT: English YL tlks, 5975, 6075, 9540 not audible. (Harderster)

VIETNAM

7410T	1237	242	PA	Tay Nguyen in unid lang w/singing, OM talk. (Earhart 3/2)
10040	1415	454	IN	VOV: Vietnamese OM annts with Vietnamese music. (Fecenka 2/23)
	1840	332	ALB	VOV: English pgm of Vietnamese music. (Pimblett 2/19)
10065	1310	423	FL	VOV: Vietnamese news, cmt, mx, commentary. (Carrier 3/3)
10225	1408	111	CA	VOV (?): U/lang on new freq not // 10040, YL talk. (Brookwell 2/13)
12050	1300	353	JPN	VOV: French with news, comment, Vietnamese mx. (Araki)

P. D. R. YEMEN

11770	1815	322	BC	DYBS: Arabic with Qur'an, stringed instruments. (Dutkowski 2/27)
	2025	354	MAN	DYBS: Arabic music, ID, annts, 2030* with anthem. (UMDX 2/19)

YEMEN ARAB REPUBLIC

9780	2030	434	NC	R. Sana': Arabic with music and announcements. (Seymour 2/19)
	2118	444	OH	RS: Arabic with OM announcer, sign off. (Hammer 2/13)

OCEANIA

C = Canarvon L = Lyndhurst S = Shepparton

4920	1200	332	N.A.	ABC Brisbane: Eng tlk, mx, news reported by Pimblett ALB, Spencer OK, Fischer PA, and Fecenka IN.
5995	1200	333	N.A.	RA (L): English news, comment and music listed by these intrepid reporters: Fischer PA, Pimblett ALB, Garner ONT, Miller CA.
6045	1420	444	NE	RA (L): English news, business report, music. (Larson 3/1)
6150	1115	333	OK-OH	ABC Melbourne: English pop mx, sports news. (Spencer/Miller)
7240	1642	333	ALB	RA (C): Eng special pgm on cricket match. (Pimblett 3/12)
9515	0700, 1600	333	N.A.	RA (S): English programming heard by a host of reporters including Hutchins MB, Link CA, Dutkowski BC, Spencer OK, Zink CA, Fischer PA, and Schipelliti MA.

AUSTRALIA (CONTINUED)

9540 1130 444 WI RA (S): English news, music, sports tlk. (Wolman 3/8) also logged by Arnold CA, Dutkowski BC, Naylor CA, Uerlings OR, Hutchins ME, Makishima JPN, and Peck NY.
 9550 1145 222 MN-NJ RA (S): Eng pgms // 9540, 9580. QRM de RHC.(Famularo)(Miklejewski)
 9560 1700 333 BC RA (C): English newscast. (Dutkowski 3/9)
 9570 0706 222 OK-PA RA (S): English news. (Spencer 3/5) (Fischer 3/5)
 9575 1400 333 N.A. RA (S): Eng pop mx // 9540. (Pimblett ALB)(Zilmer WI)(Maghakian NY)
 9580 1200 433 N.A. RA (S): Eng to N.A. was tuned into by Eaton WI, Willis PA, Tuomiahlo ONT, Fecenka IN, Famularo NJ, Miller CA, Fischer PA, Carrier FL, and Follard RI.
 9680 1300 434 QUE ABC Melbourne: English with classical music. (Perry 2/19) also sent in by Miklejewski MN and Dutkowski BC.
 9760 1054 433 JPN RA (S): Japanese talk. (Makishima 2/9)
 11705 0000,0912 222 ECNA RA (S): English talks, music, ID noted by Yajko FA, Fischer FA, Miller OH, and Maghakian NY.
 11725 *1300 333 JPN RA (S): Japanese sign on and talks. (Makishima 2/20)
 11740 0855 454 FL RA (S): English music, ID, news. (Smith 2/15) also Fischer PA and Makishima JPN.
 11780 1745 323 BC RA (S): English music and ID. (Dutkowski 2/27)
 11935 *2230 333 WI RA (C): Eng anat, into Vietnamese. (Worman 3/5) (Dutkowski BC)
 15160 2203 353 NY RA (L): English news. (Maghakian 3/2) (0603 333 BC Dutkowski)

COOK ISLANDS

5045 0736 111 CA R. Cook Islands: relay of RNZ news. (Brookwell 2/11)

NEW CALEDONIA

3355 0911 323 OR R. Noumea: French OM with English R&B music. (Uerlings 2/27)
 0915 333 PA RN: French pop music, OM announcer. (Hoffman 3/3)
 7170 0645 444 ALB RN: French music. (Pimblett 3/1)
 0710 344 AK RN: French light music, OM anmts. (Tilbury 3/3)

NEW HEBRIDES

3945 0913 222 MS NHBS: French conversation. (Breedon 2/22)

NEW ZEALAND

6105 0832 333 JPN RNZ: English with jazz music. (Takada 2/28)
 11705 0100-0610* 242 N.A. RNZ: This popular channel with Eng pgms logged by Hammer OH, Smith MA, Crable ID, Breitung IL, Dutkowski BC, Seymour NC, and Takada JPN.
 11780 *0610 333 N.A. RNZ: English tlks, religious pgms, music noted by Onken IL, Maghakian NY, Seymour NC, Dutkowski BC, Fischer PA, Smith FL, Miller CA, Tilbury AK, and Takada JPN.
 11960 1820 444 AK RNZ: English pop music with male announcer. (Tilbury 3/4)
 15130 0321 243 MO RNZ: English cricket match, pop music. (Macris 2/12)
 0623 332 BC RNZ: English music with female announcer. (Dutkowski 3/12)

PAFUA NEW GUINEA

2340 1224 --3 OH R. West New Britain: Pidgin (?) with YL singing. (Moritz 2/27) hrd on the WCNA at 0837 by Newell in BC w/FAX/RTTY QRM.
 2410 1220 --- OH R. Eastern Highlands: Pidgin YL with guitar music. (Moritz 2/27)
 2450 1213 --- OH R. Western Highlands: Pidgin OM with native singing. (Moritz 2/27)
 2468 0835 452 BC R. Northern Highlands: U/vernacular YL talk. (Newell 2/27)
 3220 0847 122 OR R. Morobe: U/lang with OM talk, tribal music. (Uerlings 2/21)
 3245 0845 121 OR R. Gulf Province: U/lang OM with vocal music. (Uerlings 2/21)
 3260 0755 121 OR R. Madang: Pidgin pop music by OM, into news. (Uerlings 2/26)
 3275 0905 121 OR R. Southern Highlands: U/lang OM vocal mx. (Uerlings 2/21)
 3305 0841 542 BC R. Western Province: Pidgin YL comments. (Newell 2/27)
 3335 0915 222 OR R. East Sepik: Pidgin OM/YL with talk and mx. (Uerlings 2/21)
 1220 322 MN RES: Pidgin(?)/English pgm of religious music. (Miklejewski 3/5)
 3360 0917 232 OR R. Milne Bay: English OM with local news. (Uerlings 2/21)
 1018 322 MS RMB: English instrumental music, talk. (Breedon 2/22)
 3385 1147 222 MN R. East New Britain: Pidgin OM w/religious mx. (Miklejewski 3/6)
 3905 0900 322 OR RENB: English OM with talk and mx. (Uerlings 2/27)

SOCIETY ISLANDS

6135 0840 333 OH R. Tahiti: French with Polynesian music. (Hammer)
 11825 & ---- 333 N.A. RT: French and Tahitian w/talk and mx noted by Fischer PA, Dutkowski BC, Gaede CA, Thompson NM, Earhart PA, Brooks CT, Macris MO, and Onken IL.
 15170

SOLOMON ISLANDS

5020 0830 322 NA-JPN SIIBS: English mx, wx, mx noted by Junqua JPN, Beal WA, Breedon MS, Tilbury AK, and Bedell/Harvey OR.

Just a couple of lines left to assure Bob will be back next month, to apologize for being late and for the many mistakes, to welcome new reporters, and to say 73's and God Bless. *WHE*

AUSTRALIA Changes in RA's schedule (to April 30) include new freqs: 9520 (2100-2400), 9550 (1000-1700), 9575 (1130-1730), 11720 (1300-1400), 11795 (1000-1500), 11830 (2300-0100), 15205 (2330-0130), 17870 (0100-0930), 21570 (0800-1000); these freqs are no longer on air: 7220, 9535, 11820, 11845, 11965, 17880 (Direct)

JAPAN Radio Japan (NHK) bcsts on these freqs only (to April 30): 5990, 6030, 7140, 7195, 7205, 7250, 9505, 9525, 9530, 9585, 9605, 9670, 9675, 9700, 9705, 11705, 11780, 11800, 11815, 11840, 11875, 11940, 11960, 15105, 15195, 15235, 15270, 15300, 15310, 15325, 15410, 15420, 17725, 17825, 17880 (Direct)

DPKR/Domestic Svces KCBS (P'yongyang) is on 2850 (2000-1800), 3015 (1500-1800), 6290 (2000-0830), 6600 (2000-0830, 1500-1800), 11350 (2000-1800); Regionals (all 2000-1800) are: Hyesan on 2302, Sariwon on 2670, Chongjin on 2695, Sinuiju on 2745, Hamhung on 2775, Kanggye on 4030.....(BBCMS)

LAOS Laotian regionals are: Savannakhet on 7385, Xieng Khouang on 4603, 5440, Luang Prabang on 6975, 8186, Houa Phan Provincial on 4650, 6230....(BBCMS)

NEPAL RN has a new 100 Kw. xmtr on 7105, full sked is (0020-0350, 0720-1050, 1150-1720, w/ EE 0020-0230, 1435-1520) on 3424, 5007, 7105.....(BBCMS)

PAKISTAN RP's Spring sked includes: slo speed EE nx (0230-45) on 17830, 21590; (0430-45) on 15325, 17830, 21590; (1100-15) on 15110, 17665; (1630-45 pm) 9460, 21885; Urdu World Svce is (0500-0815) on 11672, 11885, 15325, 17750, 17830, 21570; (0830-1100) on 15110, 17665; (1330-1630) on 7290, 9460, 11885; (1915-2145) on 7195, 9445; (2345-0045) on 7195, 9645, 11750 (NHK DX Nx 3/6)

PAPUA NEW GUINEA R. East Sepik, 3335 has recorded mx from 0640 to 0700, before s/on of regular perm (0700-1300) (NHK DX Nx 3/6) The correct name for Former R. Bougainville is R. North Solomons, not R. North Solomon Islands as we had indicated in last month's DATELINE (Bodell).....

PHILIPPINES Test bcsts have been heard from DXH2, Davao City, Mindanao on 7280, noted after 0830, the station is owned by Univ. of Mindanao (NHK 3/6)

PHILIPPINES Radio Veritas has this sked: (0000-30) in Sinhala on 11875, 15280; (0030-0100) in Mandarin on 9675, 11875, 15280; (0100-30) in Japanese on 9675; (0100-0200) in English, and (0200-30) in Tamil, on 11875, 15280; (1100-30) in Mandarin, (1130-1230) in Viet, on 9645, 11800, 15260; (1230-1300) in Indo on 11780, 11800, 15260, and in Japanese on 9645; (1300-30) in Thai, (1330-1400) in Sinhala, (1400-1500) in English, (1500-30) in Tamil, all on 9645, 11780, 15260; (2130-2200) in Japanese, and (2200-2300) in Viet, on 9675; (2300-30) in Indo, and (2330-2400) in Thai, on 9675, 11875, 15280 (BBCMS)

SOUTH SEAS SHORTS Full independence for the Solomon Islands is not now expected until 1978 at the earliest (Pacific Islands Monthly 11/76). The first elections since independence will be held in PNG in late May or early June, while Indo general elections will be held on 2 May (Bodell). Now some items from the press. A critical report on R. Cook Is., from Cook Islands News, "On the radio side, the equipment is so bad that the announcers bring their own records and cassettes. They also supply their own cassette players because the wonderful studio does not have one. The tape recorders are so old that you never know if the programme is being recorded or not." (PIM 2/77) From The Atoll Pioneer, Tarawa, Gilbert Islands, "Radio Tarawa is able to resume transmissions on a temporary basis with the assistance of the Ministry of Communications Works and Utilities who kindly offered the use of one of their short wave transmitters. This is a commercial transmitter and cannot produce good quality music. Our sincere apologies to our music fans but we hope they will understand, and that our own transmitter will soon be repaired." (Pacific Islands Monthly, 2/77) Papua New Guinea A new book just out traces the historical development of radio in PNG from its earliest beginnings to the present. The title is Broadcasting in Papua New Guinea, by Ian Mackay, published by Melbourne University Press, PO Box 278, Carlton South, Victoria, Australia. Price is \$A15 (Pacific Islands Monthly 1/77)....

YEMEN/SANA' RS has been again noted on 7235 (ex 7265), // 4853, 9780 (BBCMS)

WORLD SERVICE STATION SKEDS

EMISSIONS

PROGRAMMI

Editor:

TRASMISSIONI

BULLETIN DE PROGRAMMES

LARRY TALBOT

PROGRAMS

ENGLISH SERVICE

N84 W15119 Knoll Terrace
Menomonee Falls, WI 53051

SERVIZIO

PROGRAMME SCHEDULE

Deadline: 15th

COMUNICATI NEL CORSO

AUSTRALIA, RA, 6 Mar-1 May, EE to NA
1100-1300 on 9580, Shepparton 50kw.
0100-0300 on 15320, 17795, Shep. 50kw.
Mailbag pgm Su 1245. EE to Europe
0700-0900 on 9570 & 11740. EE to Afr
0400-0500 & 0600-0630 on 11935 & 15290.
DuRant, Wilson, Arnold.

AUSTRIA, ORF, 6 Mar-1 May, EE to NA
0130-0200 & 0330-0400 on 6155 & 9770.
To WCNA 0430-0500 on 6015.
EE to Eur 0830-0900, 1230-1300, 1830-
1900 on 6155. 1230-1300 also on 9770 &
11790.
EE to Afr 1830-1900 on 15335 & 17770.
EE to Orient 1830-1900 on 9690.
EE to Asia/Austral. 0430-0500 on 17840
0830-0900 on 15410, 17850, 15105.
1230-1300 on 17775. DuRant.

BELGIUM, BPT-4, CAUTION, current sked
for EE is a misprint. Correct EE to NA
0015-0045 on 6080 NOT 9725. Earhart,
Hoffman, Zilmer, Stuart.
Dx pgm. 4th. Sunday of month.

BELIZE, RB, still listing freq as 3300
are on 3285, 1 kw, w/this EE sked:
1100-1600, 1700-1845, 1900-2200,
0030-0115, 0130-0510. All other times
are SS. Carrier.

Peoples Republic of BENIN, ORTB,
0515-0830 daily on 4870.
1100-1330 M, Tu, Th, F on 7190.
1100-1400 W, on 7190.
0600-2300 Sa & Su on 7190.
1615-2300 daily on 4870.
Languages are FF, EE & vern. Exact
lang. times not given. Watts.

Ken Earhart indicates R. Sofia BULGARIA
is on 9705 @ 0000-0100 not 9700. Often
JRM from Mexico. Did not mention other
times, better check both freq. LT.

Correction to previous CUBA sked,
PHC is not EE on 11725 it is SS.
9685 is ok. Earhart.

F. Prague CZECHOSLOVAKIA has this sked
0100-0157 & 0300-0357 on 5930, 7345,
9540, 9630 & 11990 every day. Arnold.

R. DENMARK has EE ID @ start of all
transmissions. Reportedly will JSL
EE reports with this info only.
Pgms in Danish. All are on 15165.

DENMARK (cont)
0730 to S. Asia. 0900 to E. Africa.
1100 to Greenland. 1200 to NA.
1330 to Greenland. 1400 to Africa.
1600 to NA. 1730 to Greenland.
1830 to SA. Contributor unknown.

M77 Sked from HCJB ECUADOR, EE to NA
1215-1630 on 15115 & 11745.
0400-0630 on 11915 & 9560.
0500-0700 on 6095.
To. S. Pacific 0630-0900 on 11915.
0630-1215 on 9745. 0700-1215 on 6130
To Japan 1200-1230 on 6075 & 9715.
DX Party Line on M, Th, Sa only.
To Europe 0700-0830 on 11915 (?? ??
this freq already listed as in use
this time to S. Pacific???) & 9760.
1630-1800 17775 & 15310. 1900-2030
17755 & 15300. Watts.

R. Cairo EGYPT has this EE:
0200-0330 to NA on 9475, 7120.
2200-2315 to Eur on 9805.
2030-2200 to W. Afr on 11790.
1715-1845 to Afr on 15255.
1315-1445 to S. Asia on 1920.
Somers, Getzel.

R. FINLAND has been having trouble
w/JRM on NA bdcsts. Ken Earhart
indicates they are using 15105 @
1330 & 1430 now with no problems.

FRANCE, RFI, sked difficult to read
Here is way Earhart interprets:
EE 1700-1800 11890, 11930, 15210,
15300, 15330, 15425 & 17120. Ken
was able to hear all but 15330 &
17120 at his QTH in PA.

FED. REP. of GERMANY (west) DW, EE
0930-1030 to eAS/Au/NZ on 9650,
11850 15275 17715 17880 17825 21540
2100-2200 to eAS/Au/NZ 7130 & 9765.
0120-0220 to sAS 6065 7210 7285 9690
1720-1750 to sAS 7160, 9590, 11785,
11925, 15405.
0430-0515 to Afr 6065, 7150, 7225,
9565, 9765.
0600-0630 to Afr 9615, 9700, 11765,
11905, 15275.
1045-1115 to Afr 11785, 15410, 17765
17875, 21500, 21600.
1200-1245 to Afr 15410, 17765, 17875
21600.
1715-1745 to Afr 7285, 9735, 11810,
15135.

GERMANY, W. (cont)

1930-2000 to Afr 9765 11905 15150.
0130-0150 to NA 6010, 6040, 6075, 6100
9565, 9605, 11865.
0530-0550 to NA, 5960, 6100 6185 9545.
Scannell, DuRant.

No mention of xmtr sites. Be careful.

R. Budapest HUNGARY, 17 Apr-29 Oct. EE
1030-1100 to Au/NZ/Japan on 21525, 17715

15160, 11910, 9585, 7155.
1200-1240 to Eur, 21525, 17785, 15160
11910, 9585, 7155. M-F.

1430-1500 to Asia, 21525, 17785, 15160
11910, 9585, 7200. M-F.

2130-2200 to Eur. 17780, 15415, 11910
9655, 7200, 5965.

0200-0230 to NA 17710, 15225, 11910
9585, 6000. Tu-Su.

0300-0330 to NA 17720, 15225, 11910
9585, 6000.

DX pgm Tu & F to Eur @ 1515-1530 on
17780 15160 11910 9585 7155 6110.

DX pgm W & Sa to NA @ 0400-0415 on
17710, 15220, 11910, 9585, 6000.

Underlined freq are the new ones.
Arnold & Peters.

R. Nederland HOLLAND, May-Oct EE
0630-0750 to NZ/Pac B9630.

0800-0920 to Au/NZ/Pac B9715.

0930-1050 to Eur L9660, L7240, L5955
L6045.

1400-1520 to SeA L17810, L15185,
L9895, M11740.

1400-1520 to Eur, L6045, L5955.

1830-1950 to S & E Afr M6020.

1830-1950 to Eur L6020.

1830-1950 to W Afr L17700, L11730.

2000-2120 to W Afr/Eur M11730.

2130-2250 to ECNA L11730, L9715.

0200-0320 to ECNA B6165.

0500-0620 to WCNA B9715, B6165.

L=Lopik, HOLLAND. M=MA DAGASCAR.

B=Bonaire, NETH. ANTILLES. Be careful

of xmtr sites when reporting loggings.

Happy Station pgm on Su uses same sked

except 2130-2250 to ECNA is in SS.

DX Jukebox pgm w/Dick Speakman is Thu.

RN is also doing some out of band tests

on 9895. Rpts requested to Freq. Bureau

0930 EE to E. Europe.

1230 SS to Spain.

1400 EE to SeA/FE.

1700 DD to S. Europe.

2000 SS to S. Europe.

2300 SS to LA.

These from Lopik only. DuRant & Spencer



JAPAN (cont)

Freq used variously for this svc
are: 5990, 9505, 9585, 11815,
15105, 15195, 15310, 17880.

CARRIER, Wilson.

RADIO JAPAN

Mike Hardester recd this sked as
enclosure w/printed sked so assume
it is recent change tho undated.

R. KOREA (South) all to NA

0300-0330 EE 7240 9675 9640 11860

0600-0630 EE same

1600-1630 EE same

1800-1830 EE same

0630-0700 SS same

0330-0400, 0530-0600, 1630-1700,

1830-1900 KK same.

R. KUWAIT has this sked of EE

0800-1100 to SeA on 15345.

2000-2300 to Europe on 9580.

2000-2300 to SeA on 9555. Yajko.

R. PORTUGAL sked as follows:

0100-0130 to SA SS on 11840 11790

0230-0300 to SA SS on 11875.

0300-0330 to ECNA EE 6025, 11935.

0500-0530 to WCNA EE same.

1400-1430 to India/ME EE 17895

1600-1630 same (ex Su)

1800-1830 to Afr EE 15340, 17880

Su 1 hr earlier.

1800-1830 to Eur GG 6025, 9740.

2030-2100 EE LISBOA

2100-2130 FF

2130-2200 SS

2230-2300 II



Earhart, Yajko.

R. NORWAY has EE on GMT Su & GMT M

0800-0830 to Europe on 6015

Au/NZ on 11870

FE on 11895, 15135.

1200-1230 to Europe on 6015.

W. Afr/SA on 15175.

Indo/Au/NZ 17715.

ME/India/Indo/Au 21730

1400-1430 to Eur/Afr/ME on 9590.

ECNA, W Ind. 15175.

Afr/ME/India 15345.

Africa on 21730.

1600-1630 to NA on 15175, 17800.

W. Afr/SA on 21730.

1800-1830 to E. Eur/Afr on 11850.

WCNA on 15175.

ME/E. Afr on 15345.

2000-2030 to Eur on 6015.

Afr on 11860, 15175.

2200-2230 to FE on 9550.

NA/W Indies on 9645.

W Indies/SA on 11870.

0000-0030 to ECNA/W Indies 6180.

GMT Monday FE on 7240.

NA/W Indies on 9645.

Scan/N Sea on 1578.

0200-0230 to ECNA/W Indies 6180.

Indonesia on 7240.

WCNA on 9645.

0400-0430 to WCNA on 6180.

ME on 9610.

WCNA on 9645.



NOVAJAY (cont)

0600-0630 to WNA on 9645.
Pacific on 11870.
EE/India on 15175.
Freq underlined 250kw. Others 100kw.
Sked good to 30 april. Zilmer.

NEPAL, FN reportedly w/new 100kw xmtr
0020-0350, 0720-1050, 1150-1720.
EE @ 0220-0230 & 1435-1520. 7105 100kw
5007 5kw, 3424 100kw. BBC MS.

SOUTH AFRICA, RSA, 6 Mar-30 Apr EE
0256-0426 to E Afr, 7270 5980 3995
0556-0650 to W Afr, 17780 15220 11900
1056-1158 to Afr 21535 15220 11900.
1300-1550 to Afr 21535 15220 11900.
note: 21535 to 1456 M-F.
15220 to 1456 daily.
11900 to 1450 M-F.
1556-1650 to E Afr/ME on 21535, 11900
7270.
2056-2150 to W Afr/Eur on 11900, 9585
11800, 7270.
2226-2320 to NA/Can on 11900, 11800,
9585, 5980.
Dutkowski, Wilson, DuRant.

R. SWEDEN 6 Mar-1 May, EE ½ hr bdcsts
0030 to NA on 6045H.
0230 to NA on 6045H, 9695K.
1100 to Europe on 9630K. (a)
Au/NZ on 15305H. (b)
Africa on 21690H.
1230 to E Asia on 11735H (a)
NA on 15305K.
Africa on 21690H.
1400 to S Asia on 15240K.
NA on 15305H.
S Asia on 17795H.
1600 to Europe on 6065K.
Europe on 9665H.
ME on 15240H.
1830 to Europe on 6065K.
Africa on 11780H.
Africa on 15240H.
2100 to Europe on 6065K.
ME on 9605H.
Africa on 11845H.
2300 to Europe on 1178H. (mw)
NA on 6045H, 6120H, 9695H.
(a)= bdcst also in SSB on 21680.
(b)= occasionally omitted on Mon.
H=Hörby. K=Karlsborg. All 500kw.
Gaede, Hoffman, Zilmer, Wilson,
Tuomialho, Watts, Yajko.



Radio Sweden

SWITZERLAND, SBC, to 30 Apr. EE

0145-0215 to NA on 5965, 6135,
9725, 11715.
0430-0500 to WNA on 6045, 9725.
0700-0730 to FE/Au on 9560, 11775,
11900, 15305. (a)
0900-0930 to FE/Au on 9560, 11775,
11900, 15305.
1100-1130 to Africa on 15140, 15430
17830, 21520. (a)
1315-1345 to EAs/FE/SeA on 9735,
11745, 11870, 15430 (a)
1315-1345 to NA on 15140. (a)
1530-1600 to ME/Afr on 9590, 11370
15430. (a)

SWITZERLAND (cont)

2100-2130 to Afr on 9535, 9590,
11720, 11870. (a)
(a) also on worldwide bdcsts on
3985, 6165, 9535. 15 min music pgms
bdcst on the worldwide freqs at
0645, 1515, 1800. Tuomialho.

TURKEY, VOT, has this sked to 1 Apr
1330-1400 AA, 1430-1500 Romanian,
1500-1530 Greek, 1530-1600 Bulgarian
1600-1630 Serbo-Croatian, 2100-2130
GG, 2130-2200 FF, 2200-0030 EE.
All 11880 & 9515. McIntosh.

TAIWAN, VOFC, new times for EE to
Au/NZ/NA are 2140-2240 on 9685,
11825, 17890. Klontz, Beal.

UNITED KINGDOM, BBC, to 30 Apr.

To Atlan. Isl/Antarctica:2245-0330
on 9915, 7130, 5975.
To S. Amer. 2000-2115 on 15260A.
2115-0030 on 11750.
2115-0330 on 6005A.
2245-0330 on 9915, 5975.
2300-0330 on 9580A.
0030-0330 on 9510K.
To CA/Carib. 0300-0730 on 6175. (a)
1100-1330 on 15070, 6195W.
1500-1615 on 17840A.
1500-1745 on 15365S.
2000-2115 on 15260A, 6195W.
2000-2330 on 11750.
2000-0330 on 9580. (b)
2200-0330 on 5975.
2300-0330 on 9510. (c)
To NA/CA/Hawaii 1100-1330 on 5990S.
1500-1615 on 17840A.
1500-1745 on 9580S. **BBC**
2000-2115 on 15260A.
2115-0330 on 9580. (d)
2115-0430 on 5975.
2245-0330 on 7325.
2300-0330 on 9510. (e)
2300-0730 on 6175. (f)
To Australasia/Pac Isl.
0545-0730 5975.
0545-0915 on 9640 & 7150.
0700-0915 on 11955.
0900-1130 on 17695.
0900-1330 on 15310T & 15070.
0900-1615 on 11750T & 9740T.
1100-1615 on 12095 & 6195T.
1430-1615 on 9410.
2000-2115 on 7120 & 5975.
2000-2245 on 11750 & 9410.
2200-2245 on 9570T.

(a) S to 0430 then W. A=Ascension.
(b) A after 2300. K=Greenville.
(c) S to 0030 then K. S=Sackville.
(d) A after 2300. T=Tebraw.
(e) S to 0030 then K. W=Antigua.
(f) S to 0430 then W. Wilson.

After I read my own section last mo
it appears that was not very clear
on a correction. It worded to appear
that Jim Keenan made mistake on Sey-
chelles item. Not so! My mistake.
Sorry Jim. Whoever asked me about
Abie Nathan see Mar SENDX p. 54 &
reb SENDX p. 22. 73a Larry

Editor:

KEN COMPTON
7 Mount Vernon Street
Brighton, MA 02135

Deadline: 15th



The information on Japanese utility stations compiled by Hirokazu Koizumi, one of our most enthusiastic Ute reporters, continues:

STATIONS OF GYOGYO KYODO KUMIAI (COOPERATIVE SOCIETIES OF FISHERMEN)

Abbreviations used: G.=Gyogyo (Fishery); K.=Kyokai (Association); KK.=Kyodo Kumiai (Cooperative Society); M.=Musen (Radio) Chuo G. (Zenkoku G.M.K.) 62-3 Futawa-cho, Funabashi-shi, Chiba

- JFA** Tokushimaken M.G.KK. Mugi-cho, Tokushima-ken
JFB Kanagawaken G.M.K. 1-7 Harumicho, Miura-shi, Kanagawa-ken
JFC Ishikawaken M.G.KK. 12-1 Ogi, Uchiura-cho, Ishikawa-ken
JFD Okinawaken G.M.K. Naha-shi, Okinawa-ken
JFE Shizuokaken M.G.K. 1991-1 Tajiri, Yaizu-shi, Shizuoka-ken
JFF Mieken Katsuo Maguro G.KK. 465 Hamajima, Jamajima-cho, Mie-ken
JFI Tajima G.KK. Rengokai 1852 Kasumi, Kasumi-cho, Hyogo-ken
JFK Shimonoseki G.M.K. Shimonoseki-shi, Yamaguchi-ken
JFK2 Hogeï M.K. 1 Kiritappu-mura, Hamanaka-cho, Atsukeshi-gun, Hokkaido
JFL Susaki M.G.KK. Susaki-shi, Kochi-ken
JFM Kochiken M.G.KK. Murotsu, Muroto-shi, Kochi-ken
JFN Fukuoken Tobata G.M.K. 2-6-27 Ginza, Tobata-ku, Kitakyush-shi
JFO Hogeï M.K. Ishihama, Onagawa-cho, Miyagi-ken
JFP Fukuoka G.M.K. 3-14-1-318 Nagahama, Chuo-ku, Fukuoka-shi
JFQ Miyazakiken G.M.K. Nichinan-shi, Miyazaki-ken
JFR Makurazakishi G. KK. 949 Kamesawa, Makurazaki-shi, Kagoshima-ken
JFS Aomoriken M. Ryo G.KK. Shirogane-cho, Hachinohe-shi, Aomori-ken
JFT Kamaishi M.G.KK. Kamaishi-shi, Iwate-ken
JFU Miyagiken Ishinomake M.G.KK. Ishinomaki-shi, Miyagi-ken
JFV Kesennuma G.KK. 1-6-222 Tateyama, Kesennuma-shi, Miyagi-ken
JFW Fukushima G.KK. Iwaki-shi, Fukushima-ken
JFY Foya M.G.KK. Koetoi-mura, Wakkanai-shi, Hokkaido
JFZ Kushiro Kisen G.KK. Kushiro-shi, Hokkaido
JHA Ibaragiken M.G.KK. Nakaminato-shi, Ibaragi-ken
JHB Kushikino M.G.KK. 115 Urawa-cho, Kushikino-shi, Kagashima-ken
JHC Chibaken M.G.KK. 1228 Atago-cho, Choshi-shi, Chiba-ken
JHD Hakodate G.M.K. 37-8 Aoyagi-cho, Hakodate-shi, Hokkaido
JHE Ehimeken M.G.KK. Yahatahama-shi, Ehime-ken
JHF Niigatashi G.KK. 3-5333 Futaba-cho, Niigata-shi
JHG Citaken M.G.KK. Usuki-shi, Oita-ken
JHE Mieken Katsuo Maguro G.KK. Minamiura, Owase-shi, Mie-ken
JHI Katsuura G.KK. Nachi-Katsuura-cho, Wakayama-ken
JHJ Oosuchi M.G.KK. 1-1-1 Akahama, Oosuchi-cho, Iwate-ken
JHL Shimizu G.KK. 11-4 Ichiba-machi, Tosa-Shimizu-shi, Kochi-ken
JHM Aomori M.G.KK. Aomori-shi
JHO Otaru Kisen G.KK. Otaru-shi, Hokkaido
JHP Kesengun G.KK. Rengokai 86-2 Marumori, Oofunato-cho, Oofunato-shi Iwate-ken
JHQ Shiogama M.G.KK. 3-5-1 Kitahama, Shiogama-shi, Miyagi-ken
JHB Sagaken G.M.K. Karatsu-shi, Saga-ken
JHT Miyako G.KK. 2-17 Minato-cho, Miyako-shi, Iwate-ken
JHU Nemuro G.KK. 209 Hanasakiko, Nemuro-shi, Hokkaido
JHW Abashiri G.KK. Abashiri-shi, Hokkaido
JHX Hidaka M.G.KK. 44 Shiomidai, Samani-cho, Hokkaido
JHZ Monbetsu G.M.K. 1-3-1 Minami-ga-okacho, Monbetsu-shi, Hokkaido

Hearty CONGRATULATIONS to ute reporter Jon Cohen who just passed the exam for his Technician Ham ticket. Hope you don't get so tied up in QSOs that you forget the utes and "Utility Report," Jon!

NOTICE To Those Who Type Their Ute Reports & Do Not Use the Ute Report

Forms: PLEASE triple-space between loggings! Those narrow single line strips are very difficult to work with when cut, and I'm organizing the several hundred loggings used each month for this column. TNX!


Also, please use regular weight paper if possible. Onion skin tends to get crumpled, lost, & out of order, and as a consequence, sometimes good loggings are not used at all or not used until the next month.

And to those who pre-cut their loggings into strips for me, thanks a lot, it's a big help!

QSLs

All freqs in khz

BAHAMAS: "ZWE" aerobeacon West End 317 PFC f/d in 38d for ms. VS: Ashley J. Smith, Air Traffic Controller (Walters-NJ)
CENTRAL AFRICAN REPUBLIC: TLZ58 FCR Bangui 5813. F/d PFC 5m air for ms, & FF report (Walters-NJ)
CAROLINE ISLANDS: PHI Ponape International Airport 366. PFC & ltr for SASE & EE rpt VS: John C. Leong, S.E.T. 16d. (Hardester-OKINAWA)
HONG KONG: C&W Cape d'Aguiar 8539. F/d C&W map cd in 19d air for 2 IRCs. VS: "Kim" for manager. (Hardester-OKINAWA)
JAPAN: JOS Nagasaki R. NT&T 8437. Freq only ltr & sked 30d surface for EE rpt & ms. (Hardester-OKINAWA)
LIBERIA: KKN44 US Embassy Monrovia 5110. F/d VOA cd in 259d air for ms. Reported via KEN50 Washington, but reply from VOA -- Does KKN44 use VOA xmtrs? (Hardester-OKINAWA)
PUERTO RICO: WWA3 San Juan Aeradio 5610. Freq only cd in 6d air for ms. (Hardester-OKINAWA)
AIRCRAFT: Braniff Flight 501 @ 35.38N 129.38W 8875. Cd w/date & time in 5d air for SASE. (Hardester-OKINAWA)

	All times	GMT	LOGGINGS	All freqs in khz
	ALASKA: 2670	0634	NMJ USCG Ketchikan Notice to Mariners AM (Chabak	
		1020	NOJ USCG Kodiak OM EE wkg MV "Icelander" re	
			damaged rudder USB (Chabak-CO)	
	4746	1136	AKA Elmendorf AFB OM EE acft tfc USB (Beal-WA)	
	6935	0540	NRW2 USCG St. Paul Loran wkg NMJ22 USB (Chabak-CO)	
	8989	0222	AKA Elmendorf AFB OM EE wkg MAC128 USB (Cook-MN)	
CANADA:	3001	0157	VFG Gander VOLMET OM EE aviation wx AM (Stone-ONT)	
	3330	0210	CHU NRC Ottawa OM EE/FF time sigs AM (Endza-CA)	
	5652	0122	VFG Gander VOLMET OM EE aviation wx AM (Stone-ONT)	
	6384.5	0553	CEN Vancouver Military V mkr CW (Trubee-HI)	
	6430	0245	CFH Navy Ellerhouse NS Canhydrolants CW (Cook-MN)	
	6753	0344	CJX St. Johns Military OM EE wx AM (Compton-MA)	
	8452	0312	VAI DOT Vancouver BC tfc list CW (Cook-MN)	
	8697	0155	CFH Navy Ellerhouse NS Ice Patrol msg CW (Cook-MN)	
	8868	1025	VFG Gander VOLMET OM EE wx AM (Larson-NB)	
	13254	1518	CFH Halifax Mil OM EE wkg J54T in code USB (Cook-MN)	
	13272	1923	VFG Gander VOLMET OM EE aviation wx AM (Maghakian-NY) 1950 (Stone-ONT)	
	16927	1350	CFH USN Ellerhouse NS Ice Fcsts CW (Cook-MN)	
GREENLAND: 14900	1945	GTO Godthaab YL EE/Dan travel mkr SSB (Compton-MA)		
MEXICO:	6435a	1605	XFS Tampico de Tamaulipas R. CQ mkr CW (Thompson)	
	7350	0304	XDD212 PTT Mexico City YL SS vm LSB (Novello-NY)	
	12776a	2335	XFU PTT Vera Cruz CQ mkr CW (Cohen-NJ)	
U. S. A.:	2458	0015	WAQ Ocean Gate marine op NJ YL EE wx AM (Beal-WA)	
	2550	1250	WFA Tampa FL marine op OM EE tfc USB (Beal-WA)	
	2670	0215	NMN37 USCG Ft Macom NC Notice to Mariners (Cohen)	
	2980	0305	KSF10 Oakland VOLMET OM EE wx AM (Gaede-CA) 2105 (Arnold-CA)	
	3001	0236	WSY70 NY VOLMET OM EE aviation wx AM (Stone-ONT)	
	4390.2	0211	WOO ATI Manahawkin NJ OM EE wkg "Monarch Star" USB (Cook-MN)	
	4394	0411	NMN USCG Portsmouth VA OM EE marine wx (Maghakian)	
	4428.6	0200	WOM Ocean Gate R. NJ OM EE clg "Enterprise" (Larson)	
	4467.5	0036	"Freedom 12" MA CAP wkg net USB (Cook-MN)	
		0042	KKI721 Mockingbird 72 MI CAP OM EE tfc USB (Cook-MN)	
	4507.5	0150	KAF362 Wigwag NB CAP OM EE tfc USB (Cook-MN)	
	4575	0337	NOG USCG Sault Ste. Marie MI tfc USB (Chabak-CO)	
	4627	0130	Eagle Nest TX CAP wkg Gold Eagle USB (Cook-MN)	
	4650a	0343	WSY70 NY Aeradio OM EE wx SSE (Smith-FL)	
	4746	0754	AFEB Macdill AFB FL EE tfc USB (Beal-WA)	
	5696	0020	NMF USCG Marshfield MA wkg CG#1341 USB (Beal-WA)	
	6326.5	0541	WNU TR&T Sisdell LA CQ mkr CW (Trubee-HI)	
	6376	0745	NMC USCG San Francisco OM EE tfc USB (Beal-WA)	

6376	0130	WCC RCA Chatham MA wkg "Korea Galaxy" CW (Cook-MN)
6521.3	0745	NMC USCG SanFran OM EE wx boat USB (Beal-WA)
6521.8	1631	NMN USCG Portsmouth VA OM EE Offshore & Gulfstream Location Broadcast SSB (Compton-MA)
6540	0957	WSY70 NY Aeradio YL EE wkg Eastern 972 USB(Cook-MN)
7650a	1818	VOA feeder in Bulgarian, 1930 2 progs in unknown languages on upper & lower SBs (Maghakian-NY)
7900a	0405	VOA EE & unk lang feeders on USB & LSB (Maghakian)
8090	2030	NSS USN Annapolis MD MST multicall mkr CW (Cook-MN)
8446	0152	ITT Palo Alto CA KFS wkg "Overseas Alaska" CW (Cook)
8733.5	2246	NOE USCGAS Portland ME CQ mkr CW (Compton-MA)
8868	0140	WSY70 NY VOLMET OM EE aviation wx AM (George-TX)0101 (Cook-MN) 1314 (Larson-NB)
8993	2006	AFES MacDill AFB FL OM wkg MAC flights USB (Cook-MN)
12120	2256	NSF Anacostia USNAS Wash DC acft tfc CW (Compton-MA)
2022.5	2010	KKN50 State Department DC clg KWB69 CW (Cook-MN)
12300a	1645	WOO Oceansgate R. NJ wkg "Tripoli Venture" (Larson-NB)
12917	2235	KLB ITT Seattle WA V mkr CW (Trubee-HI)
13011	2250	WNU TRAT Slidell LA CQ mkr CW (Trubee-HI)
13033.5	1354	WCC RCA Chatham MA wkg "Wonder Venture" CW (Cook-MN)
13137	1400	WOM ATT Ft Lauderdale YL EE wkg "Tradition" (Cook)
13158.2	1725	KMI ATT Oakland CA OM EE wkg "Royal Viking" & "Star- light" SSB (Larson-NB)
13161.5	0213	KMI ATT Oakland OM EE wkg "Mary Jo" USB (Cook-MN)
13244	1511	AFES MacDill AFB FL OM EE wkg Soda 96 USB (Cook-MN)
14400.5	2330	VOA Dixon CA Chinese fdr LSB (Trubee-HI)
16407a	2120	WVO BuCom Fisheries La Jolla CA OM EE tfc USB (Beal)
16568	1608	KMN Texaco Port Arthur TX wkg tankers USB (Cook-MN)
17067	2340	KOK ITT L.A. CA CQ mkr CW (Cohen-NJ)

CARIBBEAN

BERMUDA:8105	0328	ZFD36 C&W OM EE vm SSB (Hauser-TN)
13505	1605	C&W St. Georges OM EE vm USB (Novello-NY)
CUBA: 7815a	0346	IRTS Havana YL SS vm SSB (Thompson-NM)
8489	0340	CLS La Fé R. V mkr CW (Thompson-NM)
13062	1220	GLA32 EMRAIN Havana CQ mkr CW (Denissen-HOLLAND)
CURACAO:13042.5	1900	PJC GRTA Willemstad CQ mkr CW (Denissen-HOLLAND)
JAMAICA:13065	1605	6YI C&W Kington CW mkr CW (Thompson-NM)
MARTINIQUE:12831	1750	FFP7 PTT Fort de France CQ mkr CW (Cohen-NJ)

CENTRAL AMERICA

CANAL ZONE:9014	0734	AHF Albrook AFB OM EE flight wx AM (Beal-WA)
COSTA RICA:8478	0345	TIM CORAIN Limon V mkr CW (Thompson-NM)

SOUTH AMERICA

ARGENTINA:17551.5	0955	LQC20 Monte Grande time tick & CQ ID AM (Denissen)
BRAZIL: 8520.5	0238	PPD D.P.T. Olinda Pernambuco tfc CW (Cook-MN)
22353	1915	PPR D.P.T. Rio de Janeiro V mkr & tfc CW (Cohen-NJ)
CHILE: 8510	0555	CCM Navy Punta Arenas CQ mkr CW (Denissen-MD)
COLOMBIA:6463	0601	HKB EMNATEL Barranquilla V mkr CW (Trubee-HI)
GUYANA:15455	2112	SRB47 C&W Georgetown OM EE test AM (Smith-FL)
16454	1613	GBS Georgetown EE feeder SSERC (Hauser-TN)
URUGUAY:8037	0324	CXL21 La Señal Indicará YL SS time AM (Compton-MA)

EUROPE


AZORES:13244	1405	CWV USAF Lajes OM EE wkg MACs USB (Cook-MN)
DENMARK:12329	1805	OVG PTT Fredrikshavn V mkr CW (Cohen-NJ)
ENGLAND:4222	0303	BPO Highbridge Somerset OM EE vm SSB (Compton-MA)
10670.a	1052	GIP69 BPO London OM EE vm SSB (Hardester-OKINAWA)
11240a	1945	MVU W. Drayton Mil VOLMET OM EE wx AM (Compton-MA)
13119	1949	GKU52 BPO Portishead YL ship tfc USB (Cook-MN)
17136	1440	BPO Highbridge, Terminal 43 OM vm SSB (Larson-NB)
17269a	1630	GKU BPO Portishead OM EE tfc list SSB (Cohen-NJ)
17325a	1450	BPO Portishead OM EE vm USB (Novello-NY)
FRANCE: 4383.8	0106	FFL30 S. Lys R. PTT OM FF vm & rolcall USB (Novello)
6348	0250	HMN Navy Paris V mkr CW (Thompson-NM)
6795a	0900	Intntl Network OM FF/EE vm LSB (Beal-WA)
6842.2	0404	Intntl Network OM FF/EE vm USB (Compton-MA)
10230a	0154	Intntl Network OM FF/EE vm USB (Novello-NY)
12020	0750	Intntl Network OM FF/EE vm USB (Hammer-OH)
13133.5	1952	FFL34 S. Lys R. YL FF tfc USB (Cook-MN)
14890a	1803	International Network OM FF/EE vm USB (Compton-MA)

15805	2055	FIP80 FTS Paris OM EE/FF Int Net vm LSB (Beal-WA)
GERMANY, E.	4525	0547 DIZ ASMW-AZF time tick, CW ID (Hammer-OH)
	13063a	1630 DHS Ruegen R. ID mkr CW (Cohen-NJ)
GER. W.	13027.5	1845 DAL Norddeich R. V mkr CW (Cohen-NJ)
GREECE:	4623	0102 NRK USN Nea Makri1 NAM/NST multicall V mkr CW (Compton)
	6345.5	0547 SVA OTE Athens CQ mkr CW (Trubee-HI)
	8404.5	2154 SVG OTE Athina1 R. ID mkr CW (Koizumi-JAPAN)
	17194.4	1405 SVA Athina1 R. tape: "Due to strike of staff we are watching only for the service MEDICO Safety & distress signals." CW (Cook-MN)
		1500 V mkr SVA OTE Athens (heavy QRM) CW (Cohen-NJ)
HOLLAND:	8708	2000 PBC2 Navy Nordwijkkerhout N13A V mkr CW (Compton-MA)
HUNGARY:	6452a	1605 HAR Budapest Naval R. V mkr CW (Thompson-NM)
ICELAND:	12175	1552 TFA PTT Reykjavik OM EE/Icel vm USB (Novello-NY)
	17540	1230 TFA PTT Reykjavik YL EE/FF/Ice vm SSB (Smith-FL)
ITALY:	17084	1720 IQX MPT Trieste V mkr CW (Cohen-NJ)
POLAND:	17225	1438 SPH8 P.P.T. Gdynia ID mkr CW (Compton-MA)
PORTUGAL:	13042.5	2153 CTV4/CTW8/CTU2/CTV7 Navy Monsanto V mkr CW (Compton)
SPAIN:	6383	0335 EAD2 EMNATEL Aranjuez CQ mkr CW (Thompson-NM)
SWEDEN:	8498	0049 SAG4 Goteborg R. EE press CW (Compton-MA)
TURKEY:	6395m	1645 TB2/3 Navy Istanbul V mkr CW (Hardester-OKI) The Turkish Navy does not usually reply to reception reports, Mike. - Ed.
	13088	2200 TAM PTT Iskenderun V mkr CW (Koizumi-JAPAN)
U.S.S.R.:	12160a	1450 Moscow R/T YL EE vm SSERC (Hauser-TN)1745 (Maghakian)
	SPECIAL:	Soviet pulsers hrd on 8790-8920 @ 0325; 8600-8690 @ 0326; 9080-9120 @ 0320; & 9235-9330. Narrowband pulsers hrd @ 0305 on 9230 & 9375 (Hauser-TN)
	<u>See Next Page</u>	
YUGOSLAVIA:	16942.5	1618 YUR Rijeka R. tfc CW (Cook-MN)

AFRICA

AFARS&ISSAS:	13044	2254 FUV Fr. Navy Djibouti V mkr CW (Trubee-HI)
CENTRAL AFRICA:	18845	1900 TLZ88 FCR Bangui YL FF vm LSB (Beal-WA)
CONGO:	10073	1645 Brazzaville VOLMET OM FF wx AM (Koizumi-JAPAN)
	12125	2340 TNE21 FC&R Brazzaville OM FF vm USB (Beal-WA)
	18265	1835 TNE82 OTIC Brazzaville YL FF vm AM (Cohen-NJ)
EGYPT:	8743	2135 SUP ETO Port Said V-CQ mkr CW (Koizumi-JAPAN)
GAMBIA:	9970a	0007 C&W Banjul OM EE vm SSERC (Hauser-TN)
IVORY COAST:	5575	2301 TUP57 INTELICI Abidjan OM FF vm USB (Wirrell-MA)
SENEGAL:	7560	0439 6VK27 TeleSenegal YL FF/EE vm LSB (Chabak-CO)
SO. AFRICA:	12700	0438 ZSC Capetown R. ID mkr CW (Trubee-HI)

ASIA

IN ORBIT:	20017	1746 Chinese satellite, 2-9 beeps & clicks (Brookwell-CA)
CHINA:	12871.5	1715 XSG CGRA Shanghai CQ mkr CW (Thompson-NM)
	18042	0600 CGRA Peking YL CC/EE/FF vm w/chimes (Hardester-OKI)
HONGKONG:	14355	0457 C&W Cape d'Agullar YL EE vm USB (Trubee-HI)
	17096.1m	0825 C&W Cape d'Agullar V mkr CW (Hardester-OKINAWA)
	17192m	0330 VRN35 Sai Kung R. V mkr CW (Hardester-OKINAWA)
	18862.5	0935 ZEO89 C&W Cape d'Agullar YL EE vm SSB (Hardester)
INDONESIA:	12704.5	1110 PKD DDPL Surabaya CQ mkr CW (Koizumi-JAPAN)
JAPAN:	5315.5	1024 NRT4 USCG Hokkaido Loran wkg Kami Seya USB (Chabak)
		1103 NRT Kami Seya Loran Oshima wkg NRT3 USB (Chabak-CO)
	5505	1127 Tokyo Aeradio OM EE wkg Clipper 8 USB (Chabak-CO)
	5710	0923 AIF USAF Yokota OM EE wkg Papa 04 USB (Chabak-CO)
KOREA:	12310	0027 HMF42 KCNA Pyongyang CQ mkr CW (Cook-MN)
	12917.5	2230 HLC MinCom Seoul V mkr CW Trubee-HI
	12712	0500 HLM MinCom Mogpo V mkr CW (Trubee-HI)
INDIA:	17600a	0850 IOTS New Delhi OM EE vm SSB (Denissen-HOLLAND)
	20535a	1420 IOTS Pona YL EE/Hindi vm SSB (Denissen-HOLLAND)
JAPAN:	5560a	0856 JMA Tokyo VOLMET OM EE aviation wx CW (Arnold-CA)
SINGAPORE:	6411	1615 9VG54 DirTel CQ mkr CW (Thompson-NM)
USSR:	12795	0529 UKN Archangel R. V mkr CW (Trubee-HI)

OCEANIA

AM. SAMOA:	6213.5	0655 KUQ20 Pago Pago R. OM EE wkg "Voyager" USB (Trubee)
	15624a	2045 KUQ20 GAS Pago Pago OM EE vm LSB (Beal-WA)
AUSTRALIA:	6428	1615 VHP RAN Canberra V mkr CW (Thompson-NM)
	7500	0714 VNG Lyndhurst OM EE w/time tick AM (Endza-CA)
	10100a	0710 Sydney VOLMET OM EE aviation wx AM (Arnold-CA)
	12000	0510 VNG PMG Lyndhurst OM EE time sigs AM (Eaton-WI)

American and Canadian scientists believe that Soviet experiments in weather control may be to blame for this winter's bitter cold weather.

Top experts in both countries theorize the Russians are using powerful radio signals to disrupt the earth's magnetic field — which could alter the path of the jet stream winds and push Arctic air masses deep into the U.S.

The Russians' purpose: to warm up their own agricultural areas, lengthen their growing season and increase their winter wheat crop.

Since July the USSR has been transmitting strange, powerful signals that have disrupted communications throughout the world — and scientists believe this is evidence the Soviets are using a weather modification system developed by Yugoslav genius inventor, Nikola Tesla, who died in 1943.

Dr. Andrija Puharich, an

U.S. and Canadian Scientists Say . . .

Russians May Have Caused

Ossining, N.Y., neurologist, author and inventor who has spent 35 years studying Tesla's work and is working with the Canadian government on a Tesla research project, told The ENQUIRER:

"There is a real scientific possibility that the Soviets turned on the cold. We believe that the Russians are repeating experiments Tesla carried out about 75 years ago showing how to modify the weather.

"There is a direct connection between setting up a Tesla transmitter and modifying the weather. If you regulate the movement of electrically charged particles in the upper atmosphere, you can cause changes in the jet stream.

"By controlling the movements of the jet stream, the Russians could send cold air from one place

The Russians might want to push their cold Arctic air mass elsewhere — perhaps toward the U.S. — so they could increase their own agricultural growing season."

Oliver Nicholson, a Washington, D.C., energy consultant to the Canadian State Dept., told The ENQUIRER: "I think the Soviets are using weather modification to push their cold Arctic air mass elsewhere."

"These strange radio signals are definitely Tesla's frequencies. We have evidence there are two transmitter sites, in Riga and in Gombel south of Minsk. And there are strange weather patterns around the area."

Malcolm Reid, meteorologist with the Center for Climatic and Environmental Assessment in Washington, D.C.,

moisture were diverted from Riga toward the earth's north magnetic pole and across the dry Siberia and Arctic regions. The absence of these normally moisture-laden winds is causing the drought on the West Coast of the U.S."

Markovitch said that Tesla, who discovered alternating current, died in poverty in New York, an ignored electrical genius. He said Tesla is well known in Russia, China and other Communist countries, though few Westerners know much about his theories.

The implications of weather control, Markovitch said, are "mind-boggling. If you wanted an enemy to suffer you could turn on the cold or a drought very easily . . ."

"I think the Soviets are testing something they themselves don't understand," he added. "It's like a monster that has gotten out of control."

Are these mysterious pulsers really weather modification devices? It seems more plausible than the backscatter radar theory!

Our Bitter Winter

said the area around Riga was eight degrees warmer than normal this winter.

Throughout European Russia, the weather in December and January was considerably warmer than normal. Unusually warm areas are in the main agricultural regions of the Soviet Union," he said.

Diversion of the westerly winds by the Russians also caused the drought in western U.S., one top scientist believes.

Dr. Peter Markovitch, a Los Angeles physicist who did Tesla research for 13 years at the University of Leningrad, told The ENQUIRER: "Weather maps indicate they have totally messed up the Arctic jet stream pattern in Europe, Asia and North America.

"The winds that normally travel eastward across the Pacific Ocean and pick up

Glenn Hauser has given us many strange "pulsers" loggings in the last few months.

To several experienced communications personnel the "backscatter radar" explanation did not ring true for technical reasons.SO:

12907.5	2145	VHP RAN Belconnen V mkr CW (Trubee-HI)
12979.5	2154	VIS AOTC Sydney V mkr CW (Trubee-HI)
CAROLINES:366	1758	"PNI" Ponape Airport wkg acft CW (Hardester-OKI)
5063a	1400	Yap Loran wkg Kwajalein & Iwo Jima USB (Beal-WA)
5315.5	1005	NRW7 Yap Loran OM EE wkg Saipan NRV2 USB (Chabak-CO)
HAWAII: 2683	0849	NRO Johnston Is. Loran wkg NRO7 USB (Chabak-CO)
2702	0933	NRO Johnston Loran wkg NR04 USB (Chabak-CO)
8650a	1050	NMO USCG Honolulu CQ mkr CW (Kolzum-JAPAN)
8986	0017	AGA USAF Hickam AFB OM EE wkg acft USB (Trubee-HI)
12889	2225	NMO USCG Honolulu CQ mkr CW (Trubee-HI)
15000	1651	WVNH NBS Kauai YL EE time sigs AM (Larson-NB)
MARCUS IS.:5315.5	1059	NRV6 USCG Loran wkg NRT & NRT3 USB (Chabak-CO)
MARIANAS:2670	1005	NRV USCG OM EE wx & Notice to Mariners SSB(Chabak)
2686	1046	NRV USCG Guam OM EE wkg Yap Loran USB (Chabak-CO)
5315.5	1030	NRV2 Saipan Loran OM EE wkg NRV6 (Chabak-CO)
21752	0725	NFN USN Guam NUKO mkr CW (Hardester-OKINAWA)
NEW CALEDONIA:20095		FZN PTT Noumea YL FF vm USB (Beal-WA)
NEW ZEALAND:12712a	0458	ZLO Navy Irirangi ID mkr CW (Trubee-HI)
12722a	0515	ZLO Navy Irirangi ID mkr CW (Trubee-HI)
12735a	0520	ZLO Navy Irirangi ID mkr CW (Trubee-HI)
12740	0510	ZLB NZPO Awarua ID mkr CW (Trubee-HI)
TAHITI:11665	0935	FZP6 FTS Papeete YL EE/FF vm USB (Chabak-CO)

TAHITI:11665 0935 FZP6 FTS Papeete YL EE/FF vm USB (Chabak-CO)
VOLCANO IS.:5315.5 1107 NRT3 Iwo Jima Loran USC3 wkg NRV2 (Chabak-CO)
ANTARCTICA:13975.5 0458 NØIGE MARS McMurdo CM EE wkg net LSB(Chabak-CO)

UNIDENTIFIED

4020a 0420 4ZMK OM EE coded tfc SSB (Maghaklan-NY)Israeli ship?-Ed.
7220a 0900 "IG" beacon ev 15 sec thru "grinder" jammer CW(Trubee-HI)
10748.5a 1433 OM EE vm: "This is a xmsn for adjustment purposes of the
Mutual Radiotelephone Company." SSB (Brookwell-CA)
14888a 1655 "VVV VVV KR8 KR8 KR8" tape CW (Compton-MA)
17685a 1646 OM EE vm: "Testing, 1234554321. Test out." USB. Also
heard on 4945 khz 0527Z, 3/7/76 (Novello-NY)
18701.6 0237 "VVV RCD" fol by 3-ltr groups CW (Hardester-OKINAWA)
20100 1409 "A" & "N" beacons on same freq CW (Compton-MA)

SHIPS

2678 0742 NJPJ CGC "Reliance" wkg NMN Portsmouth VA USB(Chabak-CO)
0750 NHKW CGC "Confidence" wkg NOJ Kodiak AK USB (Chabak-CO)
2716 0954 HMCS "Nipigon" DDH-266 OM EE wkg Halifax USB(Chabak-CO)
4094.8 0835 NZUE CGC "Alert" OM EE wkg NMN USB (Chabak-CO)
6213.5 0650 US fishing vessel "Voyager" wkg Pago Pago USB(TrubeeHI)
6521.3 0738 NGDF CGC "Munro" clg Kodiak & SanFran OM USB (Beal-WA)
6521.8 0515 USS "John King" DDG-3 wkg CGC "Chilula" USB (Chabak-CO)
0928 USS "Welch" PG-93 wkg USCG Miami NMA USB (Chabak-CO)
0937 CGC "Polar Sea" WAGB-11 OM EE wkg NOJ USB (Chabak-CO)
2510a 0300 USS "Nimitz" OM EE tfc w/NMN AM (Stone-ONT)
5750a 1803 USS "Hector" wkg Mare Is. tug control CW (Arnold-CA)
8204.8 1053 NOA2 OM EE clg & wkg KMI USB (Beal-WA)
0130 "Cameo" OM EE wkg KMI USB (George-TX)
12427a 2150 "Pioneer" nearing Japan, OM EE tfc (Beal-WA)
12396.5 2350 Trawler "Rosebud" clg WOO CM EE USB (Beal-WA)

TACTICAL

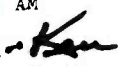
4041a 0512 FANFARE USN Kenitra Morocco wkg REDBIRD USB (Chabak-CO)
4699a 1005 LIBERTY LADY OM EE wkg XX484 USB (Chabak-CO)
4725 0020 BRIDGE OM EE wkg Almond 24 on freq "Victor" USB(Cook-MN)
4735a 0905 SHOTGUN NEPTUNE OM EE wkg EM336 USB (Chabak-CO)
5716.5 0602 OSCAR 3 OM EE w/OVERWORK Net freq change annemt (Chabak)
6697 0146 IVANHOE USN Norfolk YL EE clg MOBY DICK USB (Cook-MN)
0458 WAR ROCKET OM EE wkg IVANHOE USB (Chabak-CO)
5750a 2240 BUTTERFIELD USN San Diego tfc CW (Arnold-CA)
6723 0915 RASPBERRY BARB OM EE wkg WARCHIEF USB (Chabak-CO)
6761 0819 DEPENDANT OM EE Skyking best for SKYBIRD USB same mes-
sage repeated @ 0824, 0829 & 0835 (Chabak-CO)
0820 CROSSFIRE Skyking best rptd 0825, 0831 & 0834 (Chabak)
0822 DITTY BAG OM EE Skyking best rptd USB (Chabak-CO)
6762 0105 CANDYMAN OM EE wkg DOWNY USB (Compton-MA)
0110 BLUE 66 OM EE shortcount test USB (Compton-MA)
2303 VALKYRIE OM EE wkg VIKING, clg OHC9 USB (Compton-MA)

AIRCRAFT

3467 0900 Western 3906 OM EE wkg SanFran twr USB (?????-??)
(Please be sure your name & state are on ea logging)
5554 0157 Japan Air 1 OM EE asking Anchorage for wx AM(Arnold-CA)

"SPY" NUMBERS STATIONS

3170a 0507 "Atencion 119" YL SS 5-digit groups AM (Watts-IN)
3317a 0454 YL GG 5-digit stopped suddenly @ 0456 AM (Watts-IN)
4510a 0408 "Atencion 923" YL SS 5-digit "Final" 0412 AM (Watts-IN)
4545a 0412 YL GG 5-digit, ea group repeated USB (Novello-NY)
4670a 0400 "358" YL SS 4-digit. "Fin" @ 0435* (Hauser-TN)
5100a 0410 YL SS 5-digit, ending with "Final" AM (Wilder-PA)
5160a 0510 YL SS 5-digit groups AM (George-TX)
6846a 0405 "114 1234567890" YL GG 5-digit. 14gr msg, then "wieder-
hole (repeat) 14 Gruppe, "Ende" 1416Z, long dash,
carrier stayed on. AM, 3/1/77 (Compton-MA)
7342 0610 "Atencion 790", then "Final" w/o msg. 0613 sound of
tape rewinding/cuing & slush, carrier off 0614 (Hauser-TN)
11535a 1450 YL SS 3-digit ID (What digits, Dave?) repeated AM
(Hammer-OH)

Let's all listen for those Soviet pulsers! 73 & Good DX 

QSL REPORTS



Editor: Bill Cleveland
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Visalia, Calif. 93277



Verified Countries -- 114

Deadline: 15th of month

From the bumper crop of QSLs we had last month we drop down to a slightly below normal load this month. Still some goodies coming in, though. Among the items on the front burner is a note from Barry Travis re R. Nacional de España and their new postcard report form which they hope will speed up listener's reporting to them and also speed up the issuance of QSLs from their end. Mark Zimarowski had a letter from Radiodifusão Portuguesa which clears up the confusion regarding the use of 4865 kHz. To save space, I'll quote the appropriate portion. ".....we should like to inform you that the frequency of 4865 KHZ is not of Ponta Delgada - Azores, but of the Portuguese Broadcasting Station (Radiodifusão Portuguesa) at the present time transmitted to the Azores on Trial." Also had a question that I seem to have misplaced, but it dealt with sending IRCs to countries that are not members of the International Postal Union (this would include mainly some of the Communist Block countries). IRCs to these countries are, of course, of no real value (though some don't bother to send them back). In general, the national radio outlets do not require return postage although you may get faster service (and air return rather than surface) if return postage is enclosed. Some of the smaller countries in Africa and Asia do request return postage, although I think in most cases you would eventually get your QSL even though no postage is enclosed. Non-governmental broadcasters usually request return postage, and it is easy to see why. Many run on a very low budget, and with postage rates as high as they are it wouldn't take many QSL requests to put them out of business. Remember, most of these smaller stations are not soliciting your reception reports --indeed, they have little or no use for them; and their answering of your report and request is a courtesy on their part, not to mention some little expense in terms of postage, log book search, and secretarial time. So make your report a good one, your request a polite one, and ease their burden a bit with mint stamps or IRCs. Incidentally, mint stamps always mean mint stamps of the country to which you are reporting. US stamps do them no good whatsoever (except in a few isolated instances like HCJB or TWR, which have operations in the USA). Mint stamps frequently are cheaper than IRCs and, in the case of the smaller and more remote stations, more likely to elicit a reply since IRCs may not be exchangeable at their local postoffice.

Thanks to all who sent in their contributions and a special word of greeting to the six first time reporters to this column. Remember, reports are assumed to have been in English unless stated to the contrary. Please do not indicate a site for R. Moscow xmsns unless a site is indicated on your QSL. They will usually indicate it if you make a polite request. And finally, please make your reports on one side of the paper only. Reports are cut apart for sorting and alphabetizing, and if you have written on both sides of the paper, some will be overlooked. So on with the show....

Europe

- AUSTRIA: ORF, 6155, f/d "Glass Tower" art color cd in 20d air, no rp (MAGHAKIAN NY), f/d "Snail (???) w/Castle" cd in 25d air, no rp (PECENKA IN); 9270, f/d logo cd in 59d air, no rp (DURANT MD)
- BELGIUM: ORU, 6080, f/d blue/white ORU logo cd in 17d air, no rp (RAFE NY), same in 28d (SMITH FL), same in 29d (FOWLER ONT), same w/ pennant in 28d for 2 IRCs (LINK CA), same in 30d for no rp (MEEHAN CT)(PECENKA IN); 9225, same cd in 94d air, no rp (FAMULARO NJ); 11940, same in 24d, no rp (HOWARTH WA); 21460, cd (no description) in 33d air for 2 IRCs and FF rpt (ARAKI JAPAN)
- BULGARIA: R. Sofia, 31m, f/d "University of Sofia" cd + pennant in 65d sfc for 1 IRC (RAFE NY); 9200, same cd w/date and time in 105d sfc, no rp (GEORGE TX)
- CZECHOSLOVAKIA: R. Prague, 5930, f/d cd "Peace Square" in 90d air, no rp (STONE ONT), f/d cd "Castle of Prague and Celkovy Pohled" in 45d air, no rp (MEEHAN CT); 7345, f/d cd "40 Years of Broadcasting" in 49d air, no rp (ARNOLD CA), f/d cd "High Tatra Mountains" in 59d air, no rp (GARNER ONT), f/d cd "Dumbier, the Highest Peak in the Low Tatra Mountains" in 63d air, no rp (RAFE NY)
- DENMARK: R. Denmark, 15165, f/d "Radiohouse Tower" cd in 21d air, no rp (HOWARTH WA), same in 26d air for 1 IRC (GADOUAS VT)
- FINLAND: R. Finland, 15110, f/d "Winter in Finland" cd in 20d air, no rp (SANN NJ), same in 34d air for 2 IRCs (YAJKO PA), same in 35d air for 1 IRC (KUSALIK ONT)

...Punctuality is the art of guessing how late the other fellow is going to be...

FRANCE: R. France International, 11705, f/d cd of Eiffel Tower and Cruise Boat in 28d air, no rp (GARNER ONT); 11890, f/d cd "Couleurs et Lumiere de France" in 21d air for 2 IRCs; pennant also sent (LINK CA)

GERMANY (Democratic Rep.): R. Berlin International, 7300, the three "10 Years RBI DX-Club" cds for 3 rpts in 80d air, no rp (BOWEN NS)

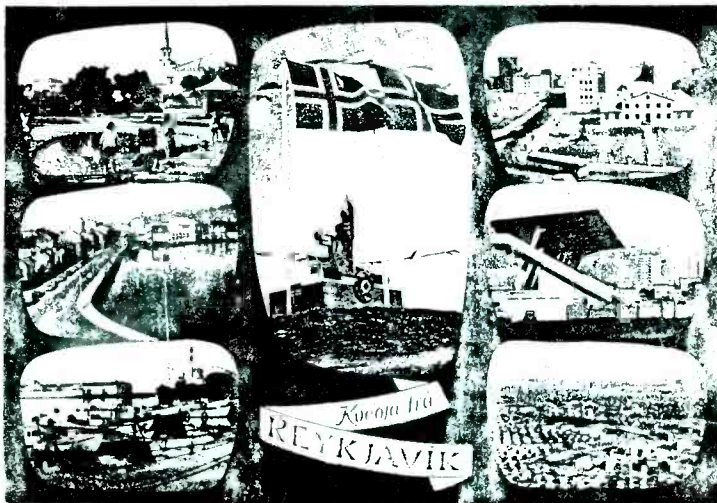
GREAT BRITAIN: BBC, no fqy, no data Thames cd in 43d air, no rp (GADOUAS VT); 5975, WRC DX Award QSL in 105d sfc (GARNER ONT); 15070, same in 108d sfc (MAYER IL), same in 2 mo (GREENIDGE NY)

GREECE: VOA Relay, 7270, f/d Capitol cd in 9d sfc (SMITH FL)
V. of Greece, 9675, f/d plain white cd in 20d air for 1 IRC (YAJKO PA), same in 21d air for no rp (SMITH FL)

HOLLAND: R. Nederland, 11730, f/d "Harry van Gelder Farewell Broadcast" cd in 11d air for 1 IRC (THOMPSON NM)

HUNGARY: R. Budapest, 9833, f/d blue cd in 88d air, no rp (GADOUAS VT)

ICELAND: ISBS, 12175, f/d picture cd (below) in 30d air, no rp (FAMULARO NJ), same in 300d air for 3 IRCs and 4 MS (YOUNG CA) (Must have had the wrong pictures on the stamps, Jim. bc)



ITALY: RAI, 6010, f/d cd "l'Aurora" in 151d sfc for 1 IRC (SMITH MD); 9575, f/d cd "Amore e Psiche" in 240d sfc, no rp (FOWLER ONT)

LUXEMBOURG: R. Luxembourg, 6090, f/d antenna cd in 84d air, 1 IRC (GADOUAS VT)

MALTA: Xandir Malta, 6080, f/d Form ltr in 65d air for 1 IRC (PETERS KY), same in 81d sfc for 1 IRC (RAFE NY), same in 72d air for 1 IRC (BAUMGARTNER ONT), same in 62d sfc for no rp (SMITH AL) v/s for all was Victor Aquilina

MONACO: TWR, 7105, f/d green/white map cd in 30d air for 1 IRC (MACRIS MO), same in 33d air for 2 IRCs (HOFFMAN PA)

NORWAY: R. Norway, 15345, f/d cd "Winter in Norway" + mini flag in ??d for 1 IRC (LINK CA)

PORTUGAL: Radiodifusão Portuguesa, 4865, f/d cd "Camping Site Restaurant" in 30d air for 1 IRC (KLONTE CA), f/d cd "New Bridge at Caldas de Vizela" in 32d air (ZIMAROWSKI MA)
R. Portugal, 6025, f/d street scene cd in 20d air, no rp (GADOUAS VT), f/d "Camping Site Restaurant" cd in 24d air for 1 IRC (YAJKO PA), same in 25d air for 2 IRCs (LINK CA), f/d cd "liga dos Amigos da Nazare" in 37d air, no rp (RAFE NY), f/d cd w/view of village in 30d air (ENDZA CA), f/d cd "Persian Brocart" in 34d air, no rp (PECENKA IN)
F. Free Europe, 7145, date/fqy multi-lingual cd in 15d air for 1 IRC (ZIMAROWSKI MA); 17735, same cd w/site typed in, 10d air, no rp (KUSALIK ONT)

ROMANIA: R. Bucharest, 5996, 1/d cd "Bucharest Victory Street" in 190d air, no rp (MEEHAN CT); 9570, same cd in 138d, no rp (RAFE NY), f/d "United Nations Square" cd in 123d (McCURDY CA), same in 190d air (MEEHAN CT); 11940, f/d "View of Bucharest" cds (3) in 51-98d air, no rp (GARNER ONT)

SPAIN: RNE, 6065, f/d cd w/color photo of xmtr bldg in 25d air, no rp (THOMPSON NM), same in 30d air for no rp, SS rpt (STONE ONT); 6085, same in 26d air, no rp (THOMPSON NM), f/d antenna cd in 20d air for 1 IRC (YAJKO PA)

SWEDEN: R. Sweden, 6035, f/d blue/yellow map cd in 13d air, no rp (SMITH FL); 11735, same cd in 17d air, no rp (GARNER ONT); 15305, same cd in 11d (PECENKA IN), same in 19 and 21d (SMITH FL), same in 22d (HOFFMAN PA)

...THE OLDER GENERATION thought nothing of getting up at five every morning--and the younger generation doesn't think much of it either...

SWITZERLAND: SBC, 5965, f/d cd "Two Bobs" in 68d, no rp (LINK CA); 6135, same cd in 63d sfc, no rp (DuRANT MD); 9225, f/d "Street Scene" cd in 36d air, no rp (GADOUAS VT); 15140, "Two Bobs" cd in 26d air, no rp (HOFFMAN PA), same in 28d air, 1 IRC (YAJKO PA); R. Inter-Red-Cross, 15305, date/fgy globe w/headphone cd in 23d air, 1 IRC (ISHIZAKI JJ)

USSR:

Armenian SSR: R. Yerevan, 15100, f/d small white cd in 467d registered air (102d after f/up), for 2 IRCs (KUSALIK ONT)

Byelorussian SSR: R. Moscow, 5920 (Orsha), f/d "Moscow State University" cd in 30d air (LEGGE VA); 11740, same cd in 40d air (BOWEN NS)

Latvian SSR: R. Riga, 5935, f/d map cd in 474d registered air (109d after 2nd f/up), for 2 IRCs (KUSALIK ONT)

Radiostantsiya Rodina, 17700 (Riga), f/d red/green cd in RR in 140d air, no rp (SMITH FL)

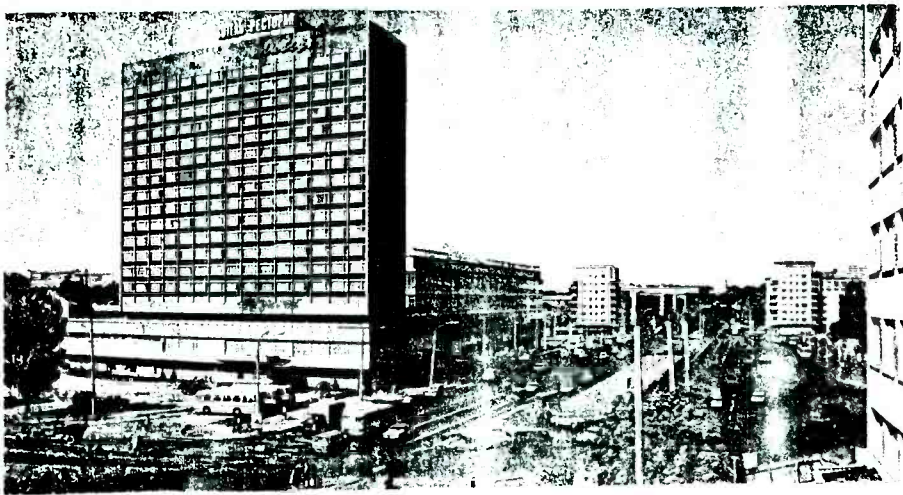
Lithuanian SSR: R. Vilnius, 7390, f/d cd w/drawing of Vilnius, in 90d sfc for no rp (SMITH AL)

RSFSR: R. Moscow, 5960 (Vladivostok), 5970 (Moscow), 6120 (Moscow), 6175 (Kazan), 7170 (Moscow), 7200 (Moscow), 7205 (Armavir), 7350 (Moscow), 7355 (Moscow), 9780 (Moscow), 15450 (Petrovavlovsk-Kamchatsky). F/d cds in 23-66d air. "CMEA Building" (GARNER ONT)

(SMITH FL)(KUSALIK ONT), "Moscow State University" (LINK CA)(McCURDY CA)(KUSALIK ONT), "Kremlin" (SMITH MD), "View of Kremlin from Moskva River" (RAFE NY), "Kalinin Prospekt" (MEEHAN CT)(SMITH FL), "Seals of the Republics" (SMITH FL), "Satellite" (LEGGE VA), large building in Moscow (SMITH FL), no description (ARAKI JAPAN)

Tadzhik SSR: R. Moscow, 7135 (Dushanbe), f/d cd "Moscow State University" in 43d air (MEEHAN CT), Rocket monument cd in 35d air (KUSALIK ONT), "Flags of the Republics" cd in 40d air (BOWEN NS)

Ukrainian SSR: R. Kiev, 7150, 7215, 7250, 9580, 15100. F/d cds in 22-50d air. "Bogdan Khmel'nitsky Square" (HOFFMAN PA), "Slavutich Hotel" (PECENKA IN)(HOFFMAN PA), "St. Sophia's Cathedral" (SMITH AL), "Lesya Ukrainka Square" (HOFFMAN PA), "Lybid Hotel" (HOFFMAN PA) (thanks to Bill Miller for the picture below. bc)



"Rusanivka new residential district" (MILLER CA)(HOFFMAN PA), "Taras Shevchenko Theater of Opera and Ballet" (SMITH MD), "Exhibition of Economic Achievements" (MILLER) R. Moscow, 5940 (Vinnitsa), 6125 (Lvov), 7110 (Ivano-Frankovsk). F/d cds in 28-55d air. "Grand Kremlin Palace" (SMITH FL)(MEEHAN CT), "Space Monument" (MEEHAN CT), "Moscow State University" (SMITH FL)

Uzbek SSR: R. Tashkent, 6025, 9600. F/d cds in 30-60d air, no rp. "Map" cd (SMITH AL) (GARNER ONT)(RAFE NY)(SMITH FL)(WATTS IN), "Chime Tower" cd (HOFFMAN PA), "Statue" cd (GARNER ONT), "Logo" cd (PECENKA IN), "Building" cd (SMITH AL)

VATICAN CITY STATE: R. Vatican, 5995, f/d antenna cd in 55d sfc, no rp (GEORGE TX)

YUGOSLAVIA: R. Belgrade, 9620, f/d black/white cd in 30d, no rp (WATTS IN)

Africa

ASCENSION ISLAND: BBC Atlantic Relay, 6005, no data "London Bridge" cd in 39d sfc (McCURDY CA); 7105, same in 63d sfc (SMITH FL); 9580, same in 18d (MILLER CA); 15260, no data Thames cd in 25d sfc (ALBERTS CA)

....Only kisses and money could be so full of germs and still be so popular....

BENIN (Rep. Populaire): ORTB, 4870, f/d African Cartoon cd (see below) in 68d air for 3 IRCs (DONLY SC), same in 52d after f/up for 2 IRCs, EE/FF rpt (PETERS KY); 7190, same cd in 9 mo for 1 IRC (WATTS IN)



CHAD (Republic): Rdif. Nationale Tchadienne, 4905, f/d black/white scene cd in 17d sfc for FF rpt and 1 IRC (MACRIS MO)

KENYA: V. of Kenya, 4804, f/d aerogram ltr in 35d air for 2 IRCs (KUSALIK ONT); 4915, same in 35d air for 2 IRCs (KUSALIK ONT)

LIBERIA: ELWA, 11945, f/d native drummer cd in 71d air for MS (SMITH AL), same in 80d sfc for 2 IRCs (FOWLER ONT), same in 91d sfc for no rp (PETERS KY), same in 103d sfc for 1 IRC (SMITH MD)

VOA Relay, 3990, f/d Capitol cd in 8d sfc (SMITH FL); 17870, time/fqy Bicentennial Stamps cd in 8d sfc (MACRIS MO)

MALAGASY (Republic): R. Nederland Relay, cd of Harry van Gelder and some of his awards in 11d air for 1 IRC (ARAKI JAPAN)

NIGERIA (Republic): V. of Nigeria, 7275, f/d green/white coat of arms cd in 23d air for 3 IRCs (THOMPSON NM), same in 30d for no rp (MAGHAKIAN NY), same in 34d air for 2 IRCs (LINK CA)

RHODESIA: RBC, 2425, large f/d map cd in 17d air, rp not stated (MAYER IL)

SEYCHELLES: FEBA, 9510, f/d orange/white map cd in 45d air for 3 IRCs, v/s Mary Berry (THOMPSON NM); 9225, same cd in 18d air (SMITH AL); 11945, same cd in 16d air for 1 IRC (ARAKI JAPAN)

SOMALIA (Dem. Rep.): R. Hargeisa, 11640, f/d pc w/personal "thank you" note in 350d air for 4 IRCs, v/s Abdo Ahmed, Eng-in-charge (YOUNG CA)

SOUTH AFRICA: RSA, 5980, f/d cd "A Brilliance of Diamonds" in 15d air, no rp (PECENKA IN); 7270, same cd in 21d air, no rp (MEEHAN CT), f/d "Drakensberg" cd in 20d (HOFFMAN PA); 9585, f/d cd "A Brilliance of Diamonds" in 14d, no rp (MILLER CA), same in 25d for 1 IRC (SMITH MD); 11900, same in 20d for 1 IRC (LINK CA), same in 21d, no rp (GARNER ONT), same in 24d, no rp (SMITH FL), "Premier Mine: Cullinan" cd in 27d, no rp (BOWEN NS); 21525, "A Brilliance of Diamonds" cd in 24d, no rp (SMITH FL)

SAEC, 4810, usual f/d "Industries" cd in 27d air for 2 IRCs (YAJKO PA); 4835, same cd in 21d air for 1 IRC (LINK CA)

SWAZILAND: TWR, 3240, f/d folder cd in 26d for 1 IRC, v/s Jeanne Olson (PETERS KY); 9590, same cd in 21d air for 3 IRCs (McINTOSH PA); 11955, same cd in 29d air for 2 IRCs (GARNER ONT)

TANZANIA: R. Tanzania, 15435, date/fqy red/yellow "Sauti Ya Tanzania" cd in 40d for 2 IRCs (BAUMGARTNER ONT)

Asia

EURMA: BBS, 4725, usual f/d cd in 70d air for 2 IRCs (KUSALIK ONT)

CHINA (People's Republic): R. Peking, 6955, f/d cd (no description) in 49d air for 1 IRC, JJ rpt (ARAKI JAPAN); 9940, f/d "Red Flag Canal" cd in 26d (KUSALIK ONT); 11650, date/fqy "Festival Rejoicings" cd in 22d (GARNER ONT); 11945, date/fqy "Yenan--Sacred Place of the Revolution" cd in 17d (YAJKO PA), "Red Flag Canal" cd in 23d + textbook "Chinese for beginners" (SMITH FL) (great, Tom--but please send your QSL rpts in EE. bc), date/fqy "After the Performance" cd in 24d (SMITH FL); 15160, f/d cd w/print picture in 54d air for 1 IRC and Czech(???) rpt + pennant & badge (ARAKI JAPAN)

CHINA (Republic): VOFC, 15345, f/d cd "City of Cathay, Ching Dynasty" in 40d air, no rp (MILLER CA); 15425, f/d cd "Bronze Ceremonial Tripod" in 21d air for 2 IRCs (PETERS KY)

CYPRUS: BBC Relay, 15420, f/d WRC DX Award QSL in 105d (GARNER ONT), same, 108d (MAYER IL)

INDIA: AIR, 9525, date only cd "India Painting, Cave 17, Ajanta" in 60d sfc for 1 IRC (PETERS KY); 11775, date only cd "View of Kanchunjanga Darjeeling" in 38d air, no rp (CARRIER FL)

INDONESIA: RRI Tanjung Karang, 3395/3995, II/EE veri ltr in 40d air for MS and II/EE rpt (KUSALIK ONT)

IRAN: V. of Iran, 9022, f/d cd "Mahabad TV Building" + pennant in 21d air, no rp (LENTZ), f/d cd "Bandar Abbas Television" in 32d + pennant, no rp (SMITH AL)

ISRAEL: IBA, 5900, f/d cd "Jerusalem, the Golden City" in 41d air for 2 IRCs (SMITH OH), same in 56d air + pennant (for 20 rpts in 1 mo) (FOWLER ONT); 7412, same in 39d for 2 IRCs (LINK CA), same in 40d, no rp (DuRANT MD); 9815, same in 38d for 1 IRC (SMITH MD)

JAPAN: FEN, 3910, date/fqy plain green cd in 129d sfc, no rp (CLEVELAND CA); 6155, same cd in 7d, no rp (ENEZA CA)

NHK, 5290, date/fqy cd "Hakata Doll in Kimono" in 25d air, no rp (CARRIER FL); 11705, "Kamakura" cd in 25d air (BROOKS CT); 11800, "Hakata Doll" cd in 14d (GARNER ONT), same in 15d (YAJKO PA), same in 23d + pennant (RAFE NY); 15105, "Kamakura" cd in 21d air (HOFFMAN PA); 15195, "Hakata Doll" cd in 18d (THOMPSON NM); 17825, same cd in 12d (ALBERTS CA), same cd in 14d (MILLER CA)

KOREA (Democratic People's Rep.): R. Pyongyang, 11780, f/d cd w/picture of studio play in 49d air for 1 IRC, JJ rpt (ARAKI JAPAN)

KUWAIT: R. Kuwait, 9555, f/d folder cd in 55d air for 1 IRC (verified as 9580) (PECENKA IN), same in 75d for MS (also verified as 9580) (SMITH AL); 9580, same cd in 32d air for 1 IRC (YAJKO PA)

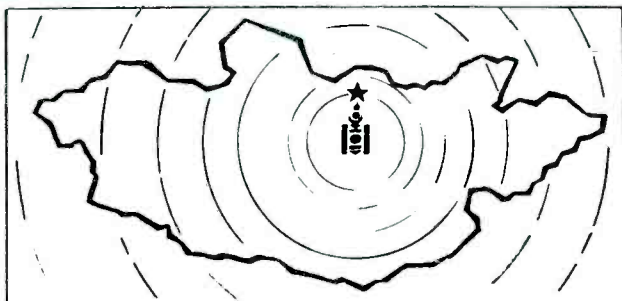
MALAYSIA: BBC Relay, 9725, cd w/photo of Big Ben in 38d for 1 IRC, JJ rpt (ARAKI JAPAN); 9740, WRC DX Award cd in 108d (MAYER IL); 11750, same in 87d (ZIMAROWSKI MA); 15435, same in 105d (GARNER ONT)

MONGOLIA: R. Ulan Bator, 5053, f/d blue cd w/circles and Soyombo + pennant in 59d air certified mail for 2 IRCs (KLONTZ CA) (I'll use their sked rather than the cd this month--thanks to Mark Bixby. bc)

PHILIPPINES: VOP, 9580, date/fqy cd in 4d air, no rp (MILLER CA)

SAUDI ARABIA: BSKSA, 9730, f/d white cd w/swords and logo in 80d air for 2 IRCs (BOWEN NS); 21480, same cd in 172d sfc for 1 IRC, II rpt, v/s Sadek Fayoumi (ARAKI JAPAN)

VIETNAM (Socialist Dem. Rep.): V. of Vietnam, 10040, f/d thin paper printed form cd in 67d air (FAMULARO NJ), same in 113d sfc for 1 IRC (PETERS KY); 15012, same in 12 mo for 1 IRC, JJ rpt (ISHIZAKI JAPAN) (See example on next page--note "Socialist" has been typed in above the "Democratic". Guess they're changing their name. bc)



RADIO ULAN BATOR

broadcasts in English every day except Sunday evening and Monday morning from 12.20 to 12.50 GMT in the ⁴⁷50 metre band on 6383 and ⁴¹5960 mc/s, then from 1.15 to 1.45 GMT in the ⁴¹31.2 metre band on 7260 and 9575 mc/s.

Ulan Bator time is 8 hours ahead of GMT.

Your remarks, comments and requests are welcome.

RADIO Ulan-Bator

Oceania

AUSTRALIA: ABC Perth, 9610, f/d W. Australia map cd in 15d air, no rp (BATSON KS)
R. Australia, 5925, 6005, 9570, 9580, 11725, 11810, 15320, 15410, 17795. F/d cds in 97-245d for no rp, 27-28d for 1 IRC, v/s P. Koch. "Scarlet-crested Parakeet" (MAYER IL) (MILLER CA) (CARRIER FL) (LINK CA), "Blue Wren" (MILLER CA) (GARNER ONT) (MAYER IL) (LINK CA) (SMITH MD), date/fqy aerogram ltr in 9d (ARNOLD CA)

NEW ZEALAND: R. New Zealand, 11705, "Mt Egmont" cd in 21d, 2 IRCs (BENJAMIN CA); 11780, f/d farm scene in 32d for MS (ALBERTS CA), f/d country scene in 45d (TUOMIALHO ONT)

PAPUA NEW GUINEA: R. Madang, 3260, f/d veri folder in 30d air, 1 IRC (LEGGE VA)

R. Milne Bay, 3360, no fqy ltr in 60d air, 1 IRC (LEGGE VA)

NBC Port Moresby, 4890, f/d PNC map cd in 27d for MS (ALBERTS CA), in 33d for 3 IRCs (HOFFMAN PA), and in 40d for 1 IRC (MACRIS MO)

THE VOICE OF VIETNAM

58 Quan Su Street — Ha Noi
Socialist
Democratic Republic of Vietnam

To Mr Yasuo Ito jkt Date 1976.12.5.

VERIFICATION

Thank you for your report of reception

at 2100 - 2130 on 15.012/142
on 1976 3 11

All details check with our log.

Regular reception reports with detailed remarks and suggestions on programming
and technical matters are highly appreciated.

Enclosed are.....



FOREIGN LANGUAGES TRANSMISSIONS

TAHITI: R. Tahiti, 11825, date/time "Island Girl" cd in 180d air (30d after f/up w/1 IRC)
(ENDZA CA); 15170, same cd in 24d air for 2 IRCs (FOWLER ONT)

South America

BRAZIL: R. Soc. Feira de Santana, 4865, f/d cd in 30d, 1 IRC (LEGGE VA)
COLOMBIA: La Voz de los Centauros, 5965, plain white veri cd w/no data in 55d air for
1 IRC, v/s Guillermo Torres Bernal (TAGUE OK)
R. Nacional, 9685, date only cd "Panoramira del sector Norte de la Ciudad--Cali, Colombia"
in 60d air for MS, EE/SS rpt, v/s Alberto Upegui Acevedo, Dir. (SMITH AL)
ECUADOR: LV de Galapagos, 4810, fqy only, long green folder cd w/turtle cartoon, in 59d
air for 2 IRCs (DONLY SC) (Bob's cd is reproduced below--I had to reduce it to get it
on the page. bc), same cd in 45d air for 1 IRC (LEGGE VA), same cd in 27d air for
1 IRC (KLONIZ CA), same cd in 96d sfc for 2 IRCs, SS rpt (TAGUE OK)

RADIODIFUSORA
LA VOZ DE GALAPAGOS
Mensajera de: Dios, Patria y Cultura
Transmitimos en 4810 Khz
Desde Puerto Baquerizo Moreno
Isla San Cristóbal
Islas Galápagos - Ecuador

HCJB, 6095, 6130, 9560, 9715, 11745, 11915, 15115. F/d cds in 20-120d for no rp, 71d
for 1 IRC, 24d for MS, 34d for 2 IRCs; v/s Sam Rowley, Herbert P. Jacobson, and Abe C.
Van Der Puy. "Bread Doll Clowns" (STONE ONT), "Mt. Sangay" (SMITH MD), "Indian w/native
flute" (SMITH FL), "HCJB Opening Commemorative" (ARAKI JAPAN), "Boy on a Llama" (SMITH FL)
(MILLER CA), HCJB Logo (YAJKO PA)(THOMPSON NM)(SPENCER OK)(FOWLER ONT)(MEEHAN CT)
(SMITH MD)(MILLER CA), "Project Outreach #6 (1968) (THOMPSON NM), 35th Anniversary,

ECUADOR (HCJB continued):

series III (SMITH FL), "Ecuadorian Echoes series 'C'--'Window of the Andes'" (YAJKO PA) (SMITH FL), "Ecuadorian Echoes Series 'G'--'That Every Ear may Hear'" (YAJKO PA), Album Series No. 1--Old Fashioned Melodies (MILLER CA)

GUAYANA (French): FR3, 3385, fgy only plain white cd w/veri statement in 23d air for FF rpt and 1 IRC (BAUMGARTNER ONT)

VENEZUELA: R. Juventud, 4900, date/fgy cd w/dancing teenagers in 88d sfc for EE/SS rpt and MS (SMITH AL)
R. Rumbos, 4970, f/d color cd "Calle Real de Sabana Grande--Vista Nocturna" in 210d sfc for SS rpt and no rp (ENDZA CA)
R. Nacional, 17400, date only form ltr listing 15390 as fgy, but with a handwritten note by Charlie Nash, General Coordinator, International Services "I have checked our frequency and found that a change had been made and we are now transmitting on 15,400 KHZ. Thanks for bringing it to my attention. This was a 'bubu' on the part of our technical dept." In 27d air for MS (BROOKS CT), same ltr in 35d air, no rp (SMITH AL)

North America

ANTIGUA: BBC Relay, 6055, no data bridge cd in 34d sfc (KLONTZ CA); 6175, no data Thames cd in 42d sfc, no rp (CLEVELAND CA), WRC DX Award QSL in 90d air for MS (YOUNG CA), same in 105d sfc for no rp (GARNER ONT); 6195, WRC DX Award QSL in 108d sfc (MAYER IL), same in 87d sfc (ZIMAROWSKI MA), Bridge--Parliament Buildings cd in 79d air for no rp (KUSALIK ONT)

BELIZE: R. Belize, 3285, date only map cd in 17d air for 2 IRCs (GARNER ONT), same cd, f/d in 19d air, no rp (SMITH FL); 3300(?), date/fgy map cd in 29d air, no rp (CARRIER FL) (Please note, gentlemen, that full data means date/time/and fgy of your reception. This cd has space on the back for full data--at least mine does--yet in the foregoing rppts we have three different combinations listed. All that I can do is take your word for it, but please be careful. bc) v/s for all was Mrs. J. Roberts.

CANADA: BBC Relay, 2510, f/d WRC DX Award QSL in 105d sfc (GARNER ONT); 15365, same cd in 108d (MAYER IL)
CBC Northern Svc, 9625, f/d "Horizon Suns" cd in 61d sfc, no rp (LENIZ PA); 11720, same cd in 35d sfc for 1 IRC (ROSINSKI PA)

CUBA: R. Habana Cuba, 9685, f/d logo cd in 46d air, no rp (HOFFMAN PA); 11760, op art cd in 7 mo w/apologies for delay, no rp (WATTS IN); no fgy, f/d logo cd in 58d air for 1 IRC (RAFE NY)

GRENADE: R. Grenada, 15105, f/d tan oversize cd w/full data in 92d sfc for 1 IRC (KLONTZ)

GUATEMALA: R. Cultural, 3300, date/fgy "Quetzal Bird" cd in 55d air for 1 IRC, v/s Wayne Berger, Chief Engineer (HOFFMAN PA)
R. Maya de Barillas, 3325, f/d cd w/Indian spear thrower in 64d air for 1 IRC, SS rpt (TAGUE OK) (reproduced below bc), same in 6 wks for SS rpt and 1 IRC (MACRIS MO)

RADIO MAYA de Barillas TGBA

Barillas	Frecuencias:
Huehuetenango	2360 kc.
Guatemala, C. A.	3325 kc.

Es grato confirmar su reporte del día 31 de diciembre de 1976, a las 10:10-10:30 horas, en la frecuencia de 3325 kc. Tuvo el gusto de escuchar el Programa transmitido en lengua K'áng'it'el-español. La señal escuchada fue difundida por medio de un transmisor States BC-16 de 1000 vatios de potencia, utilizando una antena Dipolo.

Loran W. Veit
Gerente

R. Tezulutlan, 4835, f/d ltr in 15d air, 1 IRC (LEGGE VA)

HONDURAS: R. Swan, 6015, date only Swan cd and fgy only data ltr in 42d air for 1 IRC, SS rpt (TAGUE OK)

NETHERLANDS ANTILLES: R. Nederland Relay, 6165, f/d "Harry van Gelder" cd in 12d air for 2 IRCs (WESTFALL CA), f/d Madagascar antennas cd in 15d air, no rp (BOWEN MS), f/d Happy Station cd in 24d sfc, no rp (McCURDY CA)

UNITED STATES: KGBI, 5980 (WESTFALL CA); VOA (SMITH FL)(BATSON KS)(ZIMAROWSKI MA) and (SPENCER OK); WINB, 11710 (SMITH MD) AND I'M OUT OF SPACE

No room for a new sign this month. Juergen Trochimczyk came up with the correct answer for February quiz. Language was Punjabi saying "Railroad Crossing...2 Tracks". A SPEEDX pennant to Juergen and 5 bucks to HAP for that reply. C U in 30 73's 2:11 3/16/77

Tips and Topics

The Feature Section of SPEEDX

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

VOICE OF AMERICA RELAY BASES - PART III

by Adrian M. Peterson

WESTERN USA - SHORTWAVE

Belmont

The callsign W6XBE was issued some time in the late 1920's, and it belonged to the only SW station on the West Coast which continued on the air and came into VOA programming. This was a 50 kw transmitter which was given the callsign KGEI at the time of the regularization of SW callsigns in 1939. The letters are reminiscent of General Electric Industries, and are a reminder of the 1939 New York World's Fair.

In 1942, KGEI, along with all SW broadcasters in the USA, was taken into OWI-VOA programming. Two years later, the 100 Kw KGEX became operational. In the 1951 re-distribution of callsigns, both outlets became known as KGEI.

At the time when the Dixon and Delano relay bases were modernized, KGEI was released from VOA service.

This station was purchased in 1960 by the Far East Broadcasting Company for its Latin American service in Spanish. At the time, only one 50 Kw transmitter was in use, but a 250 Kw transmitter has been added subsequently.

Callsign changes for this station have been as follows:

W6XBE	50 Kw	KGEI	KGEI 1	KGEI
	100 Kw	KGEX	KGEI 2	

San Francisco

Three different transmitter locations in the San Francisco area have been used as VOA relay bases. Very little is known about these stations, which were on the air for only a short time. Best known of this group is KWID.

KWID: This 100 Kw station came on the air in the spring of 1942, specifically for OWI-VOA programming. The transmitter was located at the site of the MW KSFO transmitter, and was owned by Associated Broadcasters. A 50 Kw sister station KWIX was added in 1945. In the 1951 callsign shuffle, both transmitters became KWID. These transmitters left the air in the early 1950's when Dixon and Delano were developed. (This station was registered in 1940 with the ITU as KABI.)

KWY, KES2, KES3: These three outlets were all listed for San Francisco. They were probably 50 Kw transmitters located in conjunction with a MW transmitter. They were on the air in 1943

Los Angeles

Two additional transmitters which appeared on the air for a while were KROJ and KROU. Again, these were probably 50 Kw transmitters located at a MW transmitter installation. They came on the air in 1942, and left about 1946.

Dixon, California

Dixon and Delano are twin sights which were both developed specifically to carry VOA programs. Work was begun by NBC at Dixon in 1942 for the installation of two 50 Kw and one 100 Kw transmitters which were allocated the callsigns KNBA, KNBI, and KNBX. These came on the air within a few days of each other at the end of 1944 and the beginning of 1945. KNBC 50 Kw was added a few years later, and then also another 200 Kw transmitter.

The Dixon and Delano complexes gradually took over from KGEI, and the other stations in Los Angeles and San Francisco.

In 1951 all calls were consolidated to KRCA and later to KNBH.

In 1963 the Federal Government assumed the Dixon complex and began a modernization program. Dixon now has a full complement of 10 transmitters: one of 200 Kw, 2 of 50 Kw, 2 of 100 Kw, 3 of 250 Kw for international broadcasting, and 2 of 50 Kw for utility communications. Programs are beamed to Asia and Latin America.

The callsign changes have been as follows:

KNBA	50	KRCA1	50 Kw	KRCA	1	200	KNBH	1	KNBH	VOA
KNBC	100			KRCA	2	50	KNBH	2		
KNBI	50	KRCA2	50 Kw	KRCA	3	50	KNBH	3		
KNBX	50	KRCA3	100KW	KRCA	4	50	KNBH	4		
				KRCA	5	100	KNBH	5		

Delano, California

The Delano radio base was commenced by CBS in 1942, and the first transmitter began broadcasting in November 1944. Two 50 Kw transmitters and one 100 Kw transmitter were installed, and these were designated KCBA, KCBF, and KCBR.

These callsigns were consolidated in 1951 to KCBR, with the usual digit indicating the specific transmitter.

The Federal Government assumed Delano in 1963, and a modernization plan was implemented. This base now has the same complement of transmitters as is located at Dixon, namely: 3 at 250 Kw, one at 200 Kw, 2 at 100Kw, 2 at 50 Kw for broadcasting, and 2 at 50 Kw for utility communications.

Both Dixon and Delano replaced KGEI and the other transmitters in the Los Angeles and San Francisco areas. Programs are beamed to Asia and Latin America.

Callsign changes were as follows:

KCBA	50 Kw	KCBR	2	50 Kw	KCBR	1	200 Kw	KCBR	VOA
KCBF	50	KCBR	3	50 Kw	KCBR	2	50		
KCBR	50	KCBR	1	200	KCBR	3	50		
					KCBR	4	100		
					KCBR	5	100		

USA MW

Two MW transmitters used by VOA have been located in the USA. These are known as VOA Sugarloaf. Both were transportable stations, and both were located in Florida for beaming to Cuba in Spanish.

Sugarloaf

This 50 Kw outlet used the frequency 1040 KHz. It came on the air about 1962 and was gone by about 1967. Programming was at all times in parallel to Marathon. The official explanation for its demise is that a cyclone destroyed it and that it was then bulldozed into a nearby pit.

Marathon

This 50 Kw transmitter is located on Sister's Greek Island, Marathon, Florida. I visited VOA Marathon in 1973, and saw the three directional antennas 250 ft. high. This station is made up of 3 air-transportable vans, and broadcasts to Cuba in Spanish on 1180 KHz. It came on the air on November 12, 1962.

Additional US Outlets

It is probable that several additional SW outlets were in use in 1942 and 1943. These were no doubt existing SW stations which soon retired, and probably one or two new outlets came on the air for a very brief period. There is also a strong possibility that some utility outlets were temporarily pressed into VOA broadcast service.

(Next month Africa and Europe! This is the third of an eight part series devoted to the history of VOA relay stations. Adrian M. Peterson is Director of Adventist World Radio - Asia, and Producer of the SLBC DX Program - "Radio Monitors International.")

RIDING THE SHORTWAVES

Haven't you had enough of the tough trucker talk on your CB radio, enough of the day-to-day routine messages ("Can I go to lunch now?" "I've got a car stopped here.") on your police and fire monitor radio?

Maybe it's time to move up to shortwave, a radio that's more classy and more cosmopolitan. With shortwave, you can eavesdrop on the world.

People fascinated by international news can hear it as it happens. Many governments have high-powered transmitters that broadcast news, editorials, music and "Mailbag" programs to other areas of the world. Virtually all European, Middle Eastern and Far Eastern governments aim English language broadcasts to North America.

It is relatively simple to run into a transmission from Radio Cairo to North America, or from the Israel Broadcasting Authority. (If you happen to speak Arabic or Hebrew, there are many more hours of programming to listen to.) Signals from both countries are quite strong, and it is interesting to compare different versions of the same story. Casualty reports and equipment losses are often markedly different, depending on whose side you listen to.



The equipment required for shortwave operation is, to be sure, somewhat greater than that needed for CB. But then, so are the rewards.

You can listen to Radio Uganda over the dinner hour to hear the latest pronouncements of President Idi Amin. Or you can tune to Radio Peking, which has been interesting to listen to over the years because of the gradual softening of its anti-US stance.

Shortwave listening, unlike CB talk, has culture, too. You can hear native music straight from the natives--untainted by amplifiers, electric guitars and other sound-processing tools. Fiesta music from Radio Nacional do Brasilia (Brazil) is as colorful as you can imagine, and the Swiss Broadcasting Corporation plays some great yodels.

Several stations, such as Radio Prague (Czechoslovakia), program music designed for the tape collector by prefacing the music with special announcements as to the title of the piece, its background, the length and the artist. Timing marks are also included to warn the listener when to start the tape recorder.

Sports fans will probably be interested in the clear channels (that is, frequencies occupied by one AM station at night), which can be picked up by the shortwave receiver. Locally WCAU is such a frequency and can be heard nightly over three-fourths of the United States and Canada. Flyers fans or vacation in Florida can listen to all night games without difficulty.

Hockey fans not on vacation can listen to night games played by Atlanta (WSB 750 KHz), Boston (WHZ 1000), Chicago (WMAQ 670), Minnesota (WCCO 830), New York Rangers (WNEW 1130), St Louis (KMOX 1120), and Washington (WTOP 1500).

Life is not dull anywhere on the shortwave radio spectrum. In 1967, for example, I was startled to hear US Secret Service communications--in plain English--from Air Force One and the helicopters providing transportation for President Johnson to Glassboro NJ. It was disturbing to note that the White House Communication Agency codes used in November 1963--when President Kennedy was killed--and published in the end papers of William Manchester's widely read book The Death of a President was still being used. They hadn't been changed in four years.

Eavesdropping on NASA communications during the early space travels also provided hours of good listening, although it was often more fun to listen to the joint network feed (ABC, CBS, NBC) from a land-based utility station to a pool reporter on board a carrier. The language was often very much off color, except when the "live from the ship" broadcast took place and was heard simultaneously over the shortwave radio and television.

Today much of the NASA communications have gone to higher frequencies using communications satellites, but there are still a number of communications audible in the shortwave frequencies.

What are shortwave frequencies? The shortwave spectrum is a range of frequencies located above the standard AM broadcast band of 540 to 1600 kilohertz (KHz), covered by standard car radios and less expensive table or clock radios. (A kilohertz is 1000 hertz. A hertz is a unit of frequency equal to one cycle per second.)

As you move up in frequency to about 27 megahertz (1,000,000 hertz), where the soon-to-be 40 channels for Citizens Band are located, certain frequencies will "bounce" around the world--depending on the hour of the day and time of year. Sharing this spectrum are broadcast stations from all over the world, radio amateurs and aviation and maritime users. To find out more about shortwave radio, you can contact the Association of North American Radio Clubs, 557 N. Madison Ave, Pasadena, Calif. 91101. It will send you, free upon request, a fact sheet listing details on member clubs. Informal sessions on shortwave are held in this area by the Suburban Philadelphia Area DXers (SPADES), M. Harlan Bye, Apt. 917, Wildman Arms, Swarthmore, Pa. 19018 will send information if you provide a self-addressed stamped envelope.

When you send a letter to the Voice of Turkey, say, stating the quality of a received transmission, you too will be hooked when the "Mailbag" show announcer calls your name and says "Greetings. . ."

(This article was written for the Philadelphia Inquirer magazine section by Thomas R. Sundstrom. This article was contributed to T & T by Wendell D. Vogel.)

|||||
VATICAN RADIO MAY FOIL COMMUNISTS. . . VATICAN CITY (AP)--The Vatican radio has erected the largest rotating antenna in the world to strengthen the voice of the pope around the world and to try to gain the upper hand on Communist jammers in Eastern Europe. The transmitter, with 500 Kw of power for shortwaves, is expected to become operational by summer. The tower, 250 feet high, surpasses Iran's as the most powerful for shortwave.

The Rev. Sabino Maffeo, the technical director, said the new transmitter tower, 10 miles outside Rome is designed "for the diffusion of the message of Christ and the words of His vicar to listeners in the entire world, particularly for those in nations where the church does not enjoy full liberty." The Rev. Pasquale Borgorneo, the program director said the E. Europe jamming forces the radio occasionally to switch frequencies, but that the interference is not at the level it reached during cold war days.

Vatican Radio, directed by Jesuits, employs 250 full-time persons and an equal number of part time workers for its 225 hour-a-week programming in 33 languages. (Contributed by Edward A Classe from Richmond Times-Dispatch)

Arthur

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4 HARDESTER, MIKE	OKA	*1 REESE, ORLA	KS	4 ZINK, GEORGE	CA

* Indicates credits missed last month and are included herewith.

A big welcome to 10 first time reporters, they are: Phillip Bowers, MD; Bruce Klemens, NJ; Tim McCurdy, CA; John Moritz, OH; Martin Beck, NY; Albert Smith, CH; Tomoyuki Takada, Japan; Donald Unruh, CA; Michael Westfall, CA; and Stuart Wilder, PA; Hope to see your names month after mo.

Many thanks to 141 reporters this time around.

A word of explanation of credits missed last month. Due to Jim Whitehead's (Western Hemisphere editor) many trips to Latin America, he has to adhere to the established deadlines very closely, therefore loggings arriving at his OTH after the 15th of the month are not included in his column, and are not included in his list of contributors to me. We all feel that you are deserving of the credits for your efforts even though sometimes the loggings do not appear in the column. Due to the poor mail service, I suggest that you mail your loggings to all editors earlier. This will also speed up the mailing of SPEEDY each month.

Don't forget to send me your articles on short wave radio programming.

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