

SPEEDX

the dx radio magazine for active shortwave listeners

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*we support the
world dx handicapped aid campaign*



JUNE 1975

Vol. V - No. VI



KEYNOTES



ELECTION NOTICE

LAST CALL FOR NOMINATIONS (three positions on Board of Directors.)

DEADLINE: Nominations must be received by Chairman Jim Whitehead, 177 Pine Ridge Road, Reading, MA 01867, on or before midnight 15 June.

There are still a few days remaining for your nominations to be submitted. (See Keynotes, April SPEEDX for details and qualifications.)

Currently, those that have been nominated are:

BOB BUTTERFIELD	ART GLOVER	DON JOHNSON (INC)
BILL CLEVELAND	STEVE HANDLER	CHRIS IOBDELL
KEN EARHART	GLENN HAUSER	SERGE NEUMANN
OLIVER ELLSWORTH (INC)	DAN HENDERSON	DOUG SNYDER
ART GETZEL		JOHN TRAUTSCHOLD (INC)

Note: A line drawn thru a name on the list indicates that the member has expressed a desire not to run for election.

Six additional Full Members qualified during May and are therefore also eligible to vote, to nominate, or to be nominated. Accordingly, the following are added to the lists which were published in April and May:

MICHAEL FLEMING	PATRICK KERRIGAN	KYLE RICHMOND
CHERRY HILL, NJ	CHICAGO, IL	ROCKVILLE, CT
ROBERT KELLY	HIROKAZU KOIZUMI	ANTHONY VAN HIMBERGEN
NASHVILLE, TN	TOKYO, JAPAN	CHEBOYGAN, MI

-***-

Congratulations to the Six New Full Members listed above. Certificates of Full Membership and a copy of the SPEEDX Constitution were mailed to them in May.

-***-

SPEEDX WELCOMES THE FOLLOWING NEW ASSOCIATE MEMBERS

EDWARD MAHER BRENTWOOD, NY	DONALD PATTERSON ASHEBORO, NC	MARK LUCAS LANCASTER, OH
PETER BOWEN N.S. CANADA	LAWRENCE PUCKETT UTICA, MS	CHARLES MASON VAN NUYS, CA
WALTER MARTI SAN DIMAS, CA	LARRY TALBOT MENOMONEE FALLS, WI	ALAN IAVES AUSTIN, TX
DAVID SNOW BREA, CA	CEDRIC CAWTHORNE ENGLAND	DAVY SMITH MONTGOMERY, AL
JOHS BLUMENFELD PORT WASH. NY		EDWARD LARSON PISHTIGO, WI

Thanks for joining us, we are looking forward to hearing from all of you often. SPEEDX urges you to support the various columns and sections by sharing your loggings and thoughts with the full membership. (Ellsworth)

The "summer DX season" is here, now is the time to flood the "T & T" Editors (ie Technical Topics & Tips and Topics) with questions and items.

ANARC CONVENTION - 75

PLACE - Maison du Radio Canada (Headquarters of RCI) Montreal, Que, Canada.

DATE - Friday, August 22 to Sunday, August 24, 1975

ACCOMMODATIONS - The Windsor Hotel, 1170 Peel Street, Montreal, Quebec.

ROOM RATES - All prices shown are in Canadian Funds and includes tax.

Single \$21.60 per night

Twin \$28.62 per night; if shared with another person

\$14.31 per night

Triple \$37.26 per night; if shared with two other persons

\$12.42 per night

HOTEL RESERVATION DEADLINE - WEDNESDAY, July 2nd, 1975.

WARNING - Make your reservations early as rooms are at a premium during summer months.

CONVENTION REGISTRATION FEE - \$10.00 U.S. or Can., includes one-day pass to Man and His World, formerly Expo 67 payable in advance.

BANQUET - To be held at the Windsor Hotel. The cost will be \$11.00 including tax and tip. The Banquet speaker will be Basil "Pip" Duke, former RGSWC president.

TENTATIVE CONVENTION SCHEDULE -

Aug. 22: Registration; visit M. & H.W.; Radio Canada International tour, talk by Ian McFarland, producer of RGSWC, on "Listeners Misconceptions of International SW Stations.

Aug. 23: Talk on H.I.C.G. and auction, talk on SW, BCB and UTE DXing, Propagation, by Dr. David D. Meisel, Perry Ferrell, of Gilfer Associates will talk on the future outlook of receivers. Informal meetings and banquet.

Aug. 24 ANARC Day featuring ANARC reports and informal discussions.

RESERVATIONS TO: 1975 ANARC Convention Committee, 5766 McAlear Ave, Montreal, Quebec, Canada H4W 2H1. All checks payable to: 1975 ANARC Convention Committee.

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SPEEDX urges all that can attend the ANARC Convention in Montreal, do so as it should be a very interesting one this year.

CONGRATULATIONS ARE IN ORDER

Doug Snyder's appointment as "Projects Coordinator" has been unanimously approved by the Board of Directors. New projects are now on the drawing board through the re-activation of "SPEEDXTRAS The Projects Division of SPEEDX" and the appointment of Doug.

-***-

NORTH AMERICAN SHORT WAVE ASSOCIATION

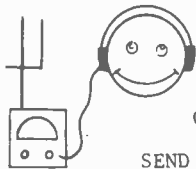
Dan Ferguson has announced his retirement from the duties of Executive Editor and Publisher of NASWA. Headquarters will be located at Post-Office Box 13 Liberty, Indiana 47353. M. R. Leonhardt, will be the new Executive Editor, FRENDX the club bulletin, will be published by Alan Mayer, in Park Forest, Illinois.

We wish Messrs Leonhardt and Mayer, success in their new assignments, and to Dan Ferguson, a well earned rest, and good DX.

-***-

Candidate statements for the BOD election will be published in the July issue. Be sure and get them to me by June 20th, Ellsworth.

TECHNICAL TOPICS



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

CROSS-MOD?

ACC? S-METER?
LSB?

SEND YOUR TECHNICAL QUESTIONS TO:



JOHN KOLB
12532 ARABIAN WAY
POWAY, CAL. 92064



Len Davidonis received the map to the right from VOA, showing why they require worldwide transmitter sites, and wonders why R. Moscow is able to cover the USA so well. There seem to be a couple of reasons for this. First, this map seems to be the worst case condition. Jim Vastenhoud, in the R. Netherland "Shortwave Propagation Course", indicates the areas of polar cap absorption can extend as far as 60 degrees North or South. The VOA map seems to be based on 55 degrees, but conditions are usually better than this. Second, Asia, and Europe, are much wider than N. America. Conditions which would allow transmitters on the edges of the USSR to cover almost all of the USA would still leave the central portion of the USSR, and China, India, ect, hidden from the VOA. I won't discuss political issues, such as the number of sites necessary to cover the world, or Megawatt xmtrs.

MAP #1

"An arctic projection indicating the approximate location of the northern auroral zone. Cross-hatched area shows parts of the world that cannot be reached effectively from shortwave transmitters in the United States due to the shielding effect of the auroral zone. Note, however, that circuits from New York to Africa and from San Francisco to Manila are not shielded by this zone."

"It has been found on the HQ-180A Series Communications Receivers that the tubes will have longer life with the tube shields removed. Therefore, the tube shields on tubes V1, V4, V6, V7, V10, V16 and V18 have been eliminated."

Also, after extensive environmental testing, it was found that under certain conditions the plastic dust covers for the main tuning and bandspread capacitors served very little useful purpose and in some cases caused system degradation. These dust covers and tube shields have been eliminated on all present and future production runs of the HQ-180A Series Communications Receivers and do not appear on the receiver as shown in the illustration of the top view of the chassis in the present manual."

I assume this is also true for the HQ-180 receiver.

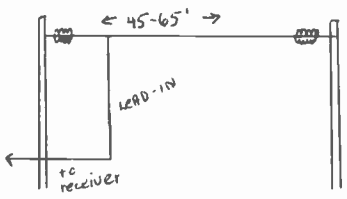
Bob Hayes wonders how the voice scramblers used in the public service bands work. The earliest scramblers worked by just inverting the speech frequency spectrum. A 300 Hz note would become 3 kHz, and a 3 kHz note would become 300 Hz. Current models split the voice up into several frequency bands, and then interchange these bands, inverting some, and not others.

73's, John

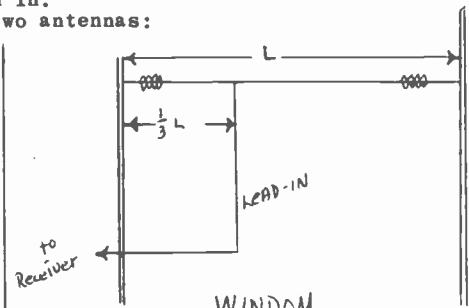
THE INVERTED "L" antenna is an omni-directional antenna; that is it receives signals equally well from all directions. This antenna works quite well when a length of 45-65 feet of stranded #18 copper wire is used. This wire should cost you no more than \$3.00, in most hardware and electronic dealers. Make sure you have the antenna as high as possible and free from any obstructions, especially power lines. The lead-in wire connecting the antenna to the antenna terminals on your receiver should be insulated so that the signal won't be shorted if the wire touches the house. Keep the lead-in as short as possible to prevent any signal loss. If connecting this or any antenna to two trees, use a pulley and counterweight arrangement to compensate for the swaying the trees do in the breeze. This will prevent any breakage.

THE WINDOM ANTENNA is a directional antenna, which should be aimed at the general Direction your DX lies. Reception is thus best when the antenna is receiving the signal from its broadsides. To determine the length, you must first take the lowest frequency band you will be using and then use this formula: Length = 468 divided by the frequency (MHz.) The lead-in wire should be placed exactly at one-third the entire antenna length at one end (the end closest to the receiver to keep the lead-in as short as possible.) When used for the entire international shortwave band ranges, the antenna can be as long as 156 feet, but the length as I said varies with the frequency range you are interested in.

Here are diagrams of the two antennas:



INVERTED "L"



WINDOM

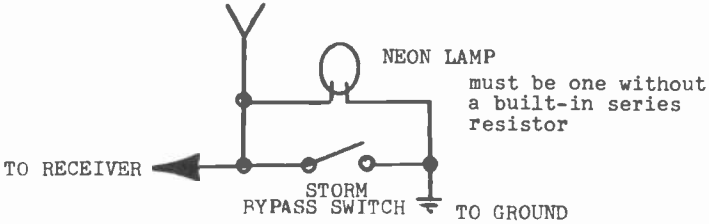
ARE YOU GROUNDED?

The snap, crackle and pop of static on the tropical bands is a sure sign that summer and its thunderstorms are back. These noisy storms, as my son calls them, pose a definite threat to DXers. The lightning that accompanies these storms need not strike your antenna to cause damage although that too is a possibility. A near miss or a bolt that hits nearby power lines can be just as deadly as a direct hit. You can avoid damage to your set by taking just two simple steps as a storm approaches. These are:

Ground your antenna directly—disconnect antenna from set if feasible

Unplug your set

Why not check your antenna hookup right now to be sure you are adequately protected against a possible lightning strike. If your antenna is not equipped with a lightning arrester or similar device, why not take a few minutes and install a simple but effective protective system such as the one below copied from Radio Nederland's booklet "Give Your Antenna Some Air" It might save your rig someday!!

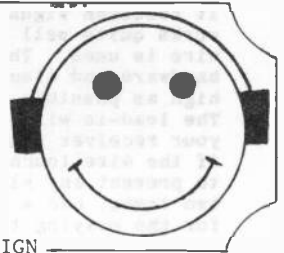




H A P P E N I N G S

HANDICAPPED AID PROGRAM

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



SUPPORT WORLD DX HANDICAPPED AID CAMPAIGN

CHAP - THE CANADIAN HANDICAPPED AID PROGRAM

Harold T. Sellers

CHAP, the official Canadian chapter of HAP has been in existence since 1973. At that time the HAP Representatives for Canada's two largest clubs, the Canadian International DX Club, and Shortwave Listeners International, decided that a HAP organization was needed in Canada. HAP, now HAP-US, had a very heavy workload at that time, since they served the entire world. Also, import costs involved in sending receiving equipment across the U.S.A./Canada border were, and are, high. CHAP was thus created so that Canadians could receive as much assistance as possible, from within this country. We have always been closely linked with HAP, and so we are now a member of the HAP International Co-ordinating Committee, H.I.C.C.

The lead of HAP and HAP-US has been followed in such things as deciding who will be assisted, and how the assistance will be given. Equipment, reading/reference material, and club memberships are available. A Participation Policy is followed with regard to all memberships, and HAPIEs in any country may receive Canadian memberships through CHAP.


SWLI and CIDX both continue to support CHAP by means of sponsoring projects and publications, the proceeds from which go to CHAP. Monthly CHAP/HAP columns are also published in their bulletins. Recently, the Trans-World DX Club, TWDXC, based in Vancouver, British Columbia, has begun to support CHAP too. ANARC has officially recognized CHAP, and we are regularly exchanging bulletins. CHAP and HAP-US alternate with special reports on the Radio Canada Shortwave Club program on the first Saturday of each month. A bi-monthly "CHAP NEWS" is sent free to all of our supporters.

Besides the club sponsored activities, funds are also raised through the sale of cancelled postage stamps to either dealers, or to stamp collecting DXers; through the holding of DX rallies and meetings; and through individual donations, etc. SWL GUIDE has supported CHAP by means of a commission on all orders placed by DXers on our behalf.

Recently, CHAP has been represented to handicap service groups in London, Ontario; St. John, New Brunswick; and Thunder Bay, Ontario. We hope to see some significant results from these contacts in the near future. Further contacts such as these will definitely be an objective for CHAP. Presently, volunteers are either working on, or are available for, writing articles on our hobby, typing, recording club bulletins on cassette for the blind, and a CHAP PAL (pen Pal) system. We hope soon to open a French Canada Office, and a CHAP Book Loan Service is almost ready to get underway.

CHAP is anxious to hear from anyone who can assist us in some way, or represent us to a handicap group. Ideas and suggestions for CHAP operations are also welcomed. We hope that all Handicapped Aid Programs will continue to receive the encouraging support given by so many around the world. We look forward to co-operating with our colleagues in the H.I.C.C. and to meeting many new friends.

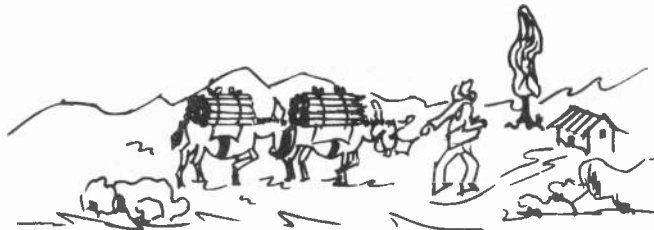
73,
Harold T. Sellers, Chairman,
Canadian Handicapped Aid Program
20 - 122 Giroux Street
North Bay, Ontario, Canada.

 **HANDICAPPED AID PROGRAM** can make use of your discards. Why not clean out your shack this month and send what you no longer need to HAP..... Receivers, phones, books & magazines, tuners, and all hobby related items can either be used by a HAPpie or sold at auction to raise the funds necessary to keep HAP going. Package up that misc. junk...er.. gear (hi) and send to SPEEDX HQS or, drop a note to HAP HQS for info.

SWBC DX - Western Hemisphere

- EDITOR -

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



REFRÁN

"Más vale maña que fuerza"

RETURN TO NORMALCY

'Tis back to the keys for your editor with a tip of the hat once again to Chris Lobdell for filling in so ably. I did enjoy my vacation trip to sunny Florida and, of course, the usual sights like Disney World, Cypress Gardens and Cape Canaveral. Also stopped in our nation's capitol on the return leg for a quick one day tour. Had planned to contact D.C. area DXers during my stay but an unexpected trip to the hospital after eating a bad clam disrupted my plans a bit. Fortunately the encounter with that clam came at the tail end of my trip.

It appears that Summer conditions are once again with us but, don't despair. With Latin America approaching Winter the darkness pattern is quite favorable. Look for early fade in of the Brazilian stations and some good openings to Bolivia and Peru a little later. Remember too that it is a good time to seek QSL's as the number of requests for same is likely to be reduced as some DXers abandon the tropical bands. Summer -#&!* when we separate #\$\$\$#! crackle #\$\$\$#! the true ?@!*\$ Latin American DXers from the #\$\$\$_!-#\$\$.

Another interesting Colombian logging appears this month hot on the heels of last month's loggings of Radio Cinco. Jack Jones and Glenn Hauser both report logging La Voz de Centauros, (The Voice of the Centaurs), on 5962v. This station is located in Villavicencio and broadcasts with an announced 5 kw on shortwave. As the station also announces 1140 khz, MW with 10 kw this may be the former Emisora Horizonte Llanero with a new name, a new shortwave transmitter and, perhaps, a new owner. Eduardo Rodriguez also reports this station but on its third harmonic frequency of 17895v. Could transmitter difficulties be the reason this station is so far off its announced frequency of 5990 kilohertz??

Well, enough of the build up and on to the loggings. First, however, a promised by Chris I must provide the translations for the last two months' refrans. For the record, therefore, be advised that one translates April's "God helps the early riser" That was an easy one as was last month's which may be translated "In my own house I am king." How did you do??

This month SPEEDX begins use of a new set of language abbreviations employing only two letters. Thus, EE will be the abbreviation for English, SS for Spanish, PP for Portuguese and so on. All else is as before with times in GMT, dates in the month/day format, and reception conditions are noted using the SIO code.

ARGENTINA

- 6060 1100 LRA31 R. Nacional;w/SS nx, tango mx (333,4/23;Kiyomiya-JAPAN)
(433,0200,4/13,w/SS ID,tlk by 2 OM;Pimblett-ALBERTA)
- 9690 0330 LRA32 Radiodifusión Argentina al Exterior;w/EE cmntry on mx &
instruments (233,4/17;Talbot-WI)(433,0340,5/6;Pimblett-ALTA)
(333,0505,5/1,w/SS nx,ID;Crews-FL)(432,0303,4/30;Cleveland-
CA)(343,0300,5/10;Thompson-NM)(333,0600,4/27,w/SS ID, nx;
Gaede-CA)

ARGENTINA (cont.)

- 11710 2208 LRA35 Radiodifusión Argentina al Exterior:w/FF nx (444,5/9; Baron-PA)(443,2335,4/22,w/EE tkl on beer brewing;Earhart-PA)
- 15345 1845 LRA33 R. Nacional:w/SS ID,orchestra mx (454,4/27;Dawson-CA) (322,1545,4/26,w/SS children's show;Jones-MS)

BELIZE

- 3300 0500 Radio Belize:w/religious mx,EE prayer,ID and sked,GTSQ and off (334,4/4;Wirrell-MA)(311,0505,4/17,buried under a strong carrier during GTSQ;Bixby-CA)

BRAZIL

- 3375 0115 ZYK28 R. Olinda Pernambuco:w/OM tkl in PP,ID (352,5/11;Moore-PA)
- 4755 0900 ZYF23 R. Dif. do Maranhão:w/Brazilian mx,PP IDs (444,4/29; Redman-IL)(353,0045,5/12;Moore-PA)(433,0030,4/22;Zilmer-WI)
- 4865 0925 PRC5 R. Clube do Pará:w/pgm of dedications,mx (433,4/29;Redman-4915 0117 ZYE21 R. Dif. Macapá: w/PP ads,Brazilian mx (333,5/5; IL) Rodriguez-PR)
- 4995 0007 ZYX2 R. Brasil Central:w/Brazilian mx (333,4/23;Yajko-PA)
- 6000 0745 PRK5 R. Inconfidência:w/OM DJ,lively Brazilian mx, QRM from R. Australia 5995 (333,5/7;Snyder-CA)
- 6015 0158 ZYB85 R. Clube de Pernambuco:w/IS,PP ID with Pernambucooco (bo is long and emphasized), Local, live pgm w/ audience noise-clapping, laughing, etc. (433,4/21;Zilmer-WI)
- 6045 0949 ZYS33 R. Clube Paranaense:w/PP tkl (343,4/25;Jones-MS)
- 6135 0840 PRC21 R. Gaúcha:w/Brazilian mx,PP ads (332,4/27;Kiyomiya-JAPAN)
- 9695 2322 ZYB61 R. Rio Mar:w/ads,PP IDs,Brazilian pop music, noted after

RSA off @
2320 (333,
5/8;Miller-
OH)(432,
2340,4/24;
Zilmer-WI)

- 11765 0208 ZYB8 R. Tupi: w/pop mx pgm,PP ID (343,5/4; Brooker-MI) (242,0941, 4/21;Snyder-CA)

aconteceu agora... agora mesmo você saberá!

de hora em hora a **Rádio Globo** apresenta

O GLOBO NO AR

A notícia como ela é
Vias um serviço público do

BANCO PORTUGUÊS DO BRASIL S.A.

- 11780 2209 PRL8 R. Nacional de Brasília:w/nx in EE,Brazilian music pgm (434,5/9;Baron-PA)(311,2150,5/5,w/interference from BBC, Brasília has responded to my warning them of this "We are registered for 11780 with ITU";Earhart-PA)
- 11785 0110 ZYU61 R. Guaíba:w/slow,easy listening mx,some U.S. pops,ID (353,5/1;Vecchiola-PA)(434,0136,5/8;Levin-NJ)
- 11805 0240 ZYZ65 R. Globo:w/sports pgm,ads,then Brazilian music (333,5/8; Levin-NJ)(343,0035,5/1,w/commercial type format;Vecchiola-PA)
- 11865 0125 ZYB85 R. Clube de Pernambuco:w/excited OM in PP,possibly soccer match (242,5/1;Vecchiola-PA)
- 11925 2330 ZYR78 R. Bandeirantes:w/sports event,ads in PP (433,4/13; Pimblett-ALBERTA)(344,2330,5/3;Vecchiola-PA)
- 15135 2338 PRB22 R. Record:w/two men tkl in PP over mx,singing,applause apparently live (343,4/19;Earhart-PA)(353,0040,4/28,w/mx pgm with PP amnts mentioning Sao Paulo;Vecchiola-PA)
- 15190 0025 PRK9 R. Inconfidência:w/easy listening mx (353,4/28;Vecchiola-15445 0118 PRL8 R. Nacional de Brasília:w/Brazilian mx,PP ads,ID PA) (212,5/8;Levin-NJ)
- 17815 2148 ZYE419 R. Cultura, São Paulo:w/Brazilian mx,@ 2200 into A VOZ DO BRASIL (434,4/25;Rodriguez-PR)(243,0101,4/23;Yajko-PA)

CANADA

- 5970 1115 R. Canada Intl:w/EE nx (444,4/1;Bob & Rita Kelly-TN)(444, 0900,4/23;Tannenwald-NY)
- 5990 *1100 BBC via Sackville:w/World Svc. nx to North America,replaces 6175 (443,5/4;Zilmer-WI)(--2,conflicts with R. Japan NA Gen. Svc. beam to NA,1100,5/5;Hauser-OK)
- 6005 1920 CFCX, Montreal:w/mx,EE tkl (322,5/9;Baron-PA)
- 6030 1518 CFVP, Calgary:w/pgm for shut-ins,mx,Mother's Day wishes (232, 5/11;Pimblett-ALBERTA)
- 6070 1315 CFRX, Toronto:w/ads,mx,tkl (221,4/23;Miklejewski-MN)(Baron-PA)

CANADA (cont.)

- 6085 0100 R. Canada Intl.:w/EE nx,THE WORLD THIS WEEK pgm,(444,5/4;
Thompson-NM)(544,0112,4/18;Yajko-PA)
6130 1925 CHNX, Halifax:w/pop mx,EE tlk (323,5/9;Baron-PA)
6160 1502 CKZU, Vancouver:w/nx,cl. mx (444,5/11;Pimblett-ALBERTA)(322,
0728,4/22;Zink-CA)
6175 2302 BBC via Sackville:w/EE nx by YL (545,5/9;Baron-PA) Now 599011
9445 1855 R. Canada Intl.:w/RCSWC pgm-is PTP feed (444,4/19;Yajko-PA)
9510 0030 BBC via Sackville:w/World Svc relay here via Sackville to 0030
despite some reports to the contrary (-4,5/5;Hauser-OK)
9585 2100 R. Canada Intl.:w/EE nx to Europe // 15325 & 11855 (423,5/4;
Zilmer-WI)
9625 1825 CBC Northern Svc.:w/EE comedy pgm (444,4/20;Yajko-PA)(444,0310,
4/23,w/hockey game;Gaede-CA)
9650 0100 R. Canada Intl.:w/EE nx to NA,is NF //11940,6085 (443,5/6;
Zilmer-WI)
9655 1115 R. Canada Intl.:w/EE political tlk (444,4/18;Yajko-PA)(443,
5/4;Zilmer-WI)
9755 1147 CBC Northern Svc.:w/EE nx,pop mx,THE TODAY SHOW (434,5/8;
Montgomery-HI)
11720 1827 CBC Northern Svc.:w/comedy pgm (423,4/20;Yajko-PA)(423,1620,
5/10;Baron-PA)(--2,1900,5/4,still head on head with Cuba
in new quarter;Hauser-OK)
11825 1115 R. Canada Intl.:w/EE nx (332,5/4;Zilmer-WI)(454,1115,4/15;
Smith-FL)(544,1200,4/12;Bob & Rita Kelly-TN)
11855 1857 R. Canada Intl.:w/IS opening EE anmts,conflicting with Cuba
since Cuba moved here (--2,5/10;Hauser-OK)(544,1802,4/2;
Bob & Rita Kelly-TN)(444,1826,4/19;Yajko-PA)
11940 0113 R. Canada Intl.:w/NF to Caribbean since 5/5,EE nx,features
mixing with BBC audio (???,5/5;Hauser-OK)(422,0100,5/8;
Zilmer-WI)
15305 1835 R. Canada Intl.:w/mailbag pgm (322,4/19;Yajko-PA)
15325 1800 R. Canada Intl.:w/EE nx,THE WORLD THIS WEEK pgm (454,4/5;Bob
& Rita Kelly-TN)(433,1831,4/19;Yajko-PA)
15365 1100 BBC via Sackville:w/EE nx // 5990 (342,5/8;Zilmer-WI)(--4,5/4,
*1600;Hauser-OK)

CHILE

- 9565 0118 CE956 R. Nacional:w/EE tlks by YL
(222,5/9;Quiroz-TX)(222,0130,
4/15;Miklejewski-MN)(333,
0541,4/27;Gaede-CA)
9571v 0155 CE957 R. Portales:w/SS
tlk,pop mx,many IDs
(333,4/12;Zink-CA)
9590 0130 CE959 R. Presidente Balmaceda:w/ad for "relojes ORIENT",SS
anmts by OM,international mx pgm (434,4/22;Miklejewski-MN)
(222,2308,4/26;Quiroz-TX)(322,0106,4/13;Zink-CA)(344,0050,
4/20;Vecchiola-PA) Catch this one before KOed 0156 by RN!!!
11810 1332 CE 1181 R. Nacional:w/Voz de Chile pgm, IS,ID,guitar mx,OM in
SS w/commentary (232,4/26;Miller-OH)(432,1150,5/5;Kiyomiya-
JAPAN)(343,1311,4/21,w/EE ID,tlk;Snyder-CA)(433,1220,5/3,w/
EE nx as was logging from Japan;Zilmer-WI)(433,1350,5/5,w/
SS nx over AIR EE xmsn;Cleveland-CA)(322,1304,4/28;Jones-MS)
15150 2340 CE1515 R. Nacional:w/SS tlk,mx interlude (323,4/28;Miklejewski-
MN)(111,2330,5/4,w/II nx, ID;Quiroz-TX)(444,0236,5/5,w/SS nx
Rodriguez-PR)(322,2148,4/27;Zink-CA)(322,2330,5/1,w/AA tlk;
Earhart-PA)



AGUSTINAS 1022 - DECIMO PISO - FONOS 60896 - 68270 - 9
CASILLA 13942 SANTIAGO (CHILE)

COLOMBIA

- 4755 1100 HJKC Emisora Nuevo Mundo:w/LA mx,ads in SS (332,5/5;Kiyomiya-
4785v 0830 HJLW Ecos del Combeima:w/mx,SS IDs mention Super Radio JAPAN)
(433,4/22;Tannenwald-NY)(433,0245,4/14;Redman-IL)(433,0517,
4/13;Earhart-PA)
4865 0411 HJLZ LV del Cinaruco:w/SS ads,crowd noises,excited tlk (343,
5/10;Miller-OH)(433,0610,4/14,w/CARACOL network plugs,mx;
Redman-IL)(432,0345,4/28;Cleveland-CA)
4885 0402 HJIG Ondas del Meta:w/pop LA mx,three note chime before ID
(433,4/27;Vecchiola-PA)(444,0457*,4/16;Redman-IL)
4945 0330 HJDH R. Colosal:w/lt. mx,IDs(222,5/3;Warren-CA)(222,0550,4/13;
Zink-CA)(444,0505,4/16;Redman-IL)(333,0830,4/24;Tannenwald-
NY)(432,0340,5/2;Cleveland-CA)

COLOMBIA (cont.)

- 4955 0330 HJCC R. Nacional:w/SS anmt w/freqs.,opera mx (432,4/25;
Cleveland-CA)(444,0430,4/16,w/relay BBC SS nx;Redman-IL)
- 4965 0830 HJAE R. Santa Fé:w/pop mx,IDs (433,4/22;Tannenwald-NY)(433,
0545,4/21;Redman-IL)(333,0615,5/4;Warren-CA)
- 5010 0745 HJOX R. Surcolombiana:w/Colombian mx,TCs (422,4/27;Redman-IL)
(333,0359,4/29;Crews-FL)(321,0310,4/23;Cleveland-CA)
- 5040 0347 HJDE R. Cinco:w/SS ID by OM,TCs,mx (333,4/29;Crews-FL)
- 5075 0320 HJGC R. Sutatenza:w/Colombian mx,SS tlk on southern Colombia
(444,5/8;Levin-NJ)(333,0124,4/30;Yajko-PA)(433,1030,4/29;
Redman-IL)(322,0347,4/17;Zink-CA)(332,0320,4/23;Cleveland-CA)
(444,0328,5/3;Thompson-NM)(423,0137,5/10;Baron-PA)
- 5095 0130 HJGG R. Sutatenza:w/GG tlk,songs (433,5/5;Fischer-GERMANY)(422,
0306,4/29;Cleveland-CA)
- 5955 0700 HJNX R. Super de Medellin:w/Colombian mx,many IDs (322,5/10;
Redman-IL)(432,0300,4/23;Cleveland-CA)
- 5962 0506* HJKW LV de los Centauros:w/ID listing 1140 MW w/ 10 kw, 5990
khz SW w/ 5 kw and FM freqs.,live sign off with short bit
of anthem (--3,4/26;Hauser-OK)(432,1107,4/13;Jones-MS)
- 6030 0106 HJZJ R. Nacional:w/TC for 8 p.m. (--4,5/5;Hauser-OK)
- 6065 0507 HJAX R. Super:w/pop LA mx,many loud IDs (433,5/11;Pimblett-
ALBERTA)(433,0545,4/14;Redman-IL)(343,0703,4/16;Miklejewski-
HJID R. Sutatenza:w/mx,IDs,TCs (444,4/29;Redman-IL) MN)
- 6075 0945 HJID R. Sutatenza:w/mx,IDs,TCs (444,4/29;Redman-IL) MN)
- 6095 0757 HJIW LV del Centro:w/pop mx,ads,TC,RCN network plug, survived
APRFS sign on @ 0800 (444,4/14;Jones-MS)
- 6115 0445 HJIQ LV del Llano:w/OM SS IDs,mx,off @ 0500 w/NA (333,4/30;
Crews-FL)
- 6125 0544 HJKE R. Continental:w/mx,ID,chimes,nx (222,4/22;Zink-CA)(453,
0707,4/23,w/SS ID,TC,LA mx;Jones-MS)
- 6160 0635 HJKJ Emisora Nueva Granada:w/Colombian mx,RCN network promos
(444,4/27;Redman-IL)
- 6170 1005 HJBJ LV de la Selva:w/Tlks by OM,IDs (333,4/29;Redman-IL)
- 17895 0241 HJKW LV de los Centauros:w/ranchera mx pgm,OM ID, is 3x harmonic
of 5962v (--2,5/5;Rodriguez-PR)

COSTA RICA

- 4832 0755 TIHB R. Capital:w/calypso mx,SS ID (343,5/3;Capili-HI)(444,
0700,4/27;Redman-IL)(333,0438,4/13;Miklejewski-MN)(333,
0830,4/24;Tannenwald-NY)(433,0402,5/2;Cleveland-CA)(343,
0950,4/27;Earhart-PA)
- 6006 0545 TIHB R. Reloj:w/SS IDs,TCs,"Servicio social de R. Reloj" (444,
4/16;Miklejewski-MN)(433,0545,5/2;Redman-IL)(322,0737,4/23;
Zink-CA)(???,1230,4/12;Hauser-OK)
- 6150 1041 TIRS R. Atenea:w/Latin mx pgm (333,4/20;Jones-MS)
- 9645 0325 TIPC Faro del Caribe:w/"Lighthouse of Caribbean" ID, EE rel.
pgmning (433,5/4;Zilmer-WI)(222,1352,4/19;Miklejewski-MN)

CUBA

- 9525 0648 R. Habana Cuba:w/EE tlk on May Day celebration (333,4/27;Gaede-
CA)(444,0730,5/7,w/Voice of Vietnam pgm;Snyder-CA)
- 9550 0252 R. Habana Cuba:w/SS pop mx,IDs (433,4/28;Cleveland-CA)
- 9680 1305 R. Habana Cuba:w/new time for SS Castro speech(343,5/5;Earhart
- 9770 2345 R. Habana Cuba:w/SS pgm mixing 4VEH (322,4/24;Earhart-PA)
- 11725 0405 R. Habana Cuba:w/EE nxcst // 11930 (333,5/7;Gaede-CA)
- 11760 0345 R. Habana Cuba:w/YL EE tlks on revolutionary actions around the
world (333,4/21;MacCoy-AZ)(333,1500,4/30,w/SS nx;Gaede-CA)
- 11930 0100 R. Habana Cuba:w/mx,stamp pgm,all EE (--4,5/4;Kubinsky-PA)(544
0100,4/12;Bob & Rita Kelly-TN)(333,0400,5/7;Gaede-CA)
- 11970 0057 R. Habana Cuba:w/SS tlk,ID,mx (444,5/10;Baron-PA)
- 15230 2355 R. Habana Cuba:w/SS tlk by OM,mx,ID (343,4/23;Capili-HI)

DOMINICAN REPUBLIC

- 3205 0152 HIAU LV de la Libertad:w/SS lang. coverage of baseball game
(444,5/8;Rodriguez-PR)
- 4807 0935 HIAQ R. Norte:w/OM ancr. introduces LA vocals,IDs (443,4/27;
Earhart-PA)(332,0845,4/25;Jones-MS)
- 4850 2340 HILR R. Clarin:w/clear IDs,many ads,LA pop mx (322,4/23;Miller-
OH)(443,0450,5/4;Levin-NJ)(322,0502,4/23;Zink-CA)(232,0758,
5/3;Capili-HI)(433,0100,4/13;Redman-IL)(433,0412,5/2;
Cleveland-CA)(343,*1000,4/27;Earhart-PA)

DOMINICAN REPUBLIC (cont.)

- 4882 0420 HIJP R. Comercial:w/LA mx,SS IDs,het noted (332,5/2;Cleveland-CA)(444,0545,4/17,w/s/off @ 0600 w/NA;Redman-IL)
 5010 0132 HIMI R. Cristal:w/Puerto Rican mx (544,5/5;Rodriguez-PR)(343 0817,4/26;Jones-MS)
 9505 2145 HISD R. Televisión Dominicana:w/EE tlk on industry & exports to 2158 (333,4/14;Talbot-WI)(333,2105,5/4;Redman-IL)(232, 2145,4/16;Miklejewski-MN)(333,0405,4/23;Gaede-CA)(433,0320, 4/28;Cleveland-CA)(333,2117,5/9;Baron-PA)
 11700 0206 HILR R. Clarín:w/LA mx,ads (222,4/22;Quiroz-TX)(343,1312,5/3; Jones-MS)(343,2320,5/2;Earhart-PA)

ECUADOR

- 3390 0315 HCOT1 R. Zaracay:w/DJ show,SS IDs,mx (544,4/19;Kusalik-ONTARIO)(333,0523, 4/23;Jones-MS)
 4679 0511 HCWE1 R. Nacional Espejo:w/Ecuadorian mx pgm (333,4/20;Mercado-CA)(444,0210, 4/13;Redman-IL)(243,0910,4/13;Dawson-CA)(444,0415,4/20;Pimblett-ALBERTA)(433,0348,4/13;Miklejewski-MN)(222, 0411,4/16;Zink-CA)(453,0428,4/23;Jones-MS)(433,4/13;Earhart 4765 1030 HCAJ2 C.R.E.:w/s/on with tango mx into NA,RCN IDs @ 1045 -PA)(444,5/3;Redman-IL)
 4800 0555 HCMB5 R. Popular Independiente:w/Andean choral mx,SS IDs (422, 4/14;Redman-IL)
 4826 0520 HCAV3 R. Luz y Vida:w/TENTATIVE logging of YL ancr,Andean type music,heavy static prevented positive ID (332,5/4;Earhart-PA)
 4910 0501 HCM11 Emisora Gran Colombia:w/"Piesta Musical" pgm (333,4/23; Jones-MS)
 4930 0410 HCCR1 R. Casa de la Cultura Ecuatoriana:w/Andean mx,s/off @ 0415 (433,4/29;Redman-IL)
 6190 0430 HCJB LV de los Andes:w/RR rel pgm (--4,5/5;Hauser-OK)
 9560 0132 HCJB LV de los Andes:w/EE "PASSPORT" pgm (434,4/18;Yajko-PA)(333,0400,4/17;Capili-HI)(444,0345,4/23;Gaede-CA)
 9625 0345 HCJB LV de los Andes:w/Russian svc. broadcast here obliterating CBC Northern Svc. (--?,5/5;Hauser-OK)
 11745 1230 HCJB LV de los Andes:w/EE "HAPPINESS IS" pgm (454,4/27;Nutter-11835 1130 HCJB LV de los Andes:w/religious pgm in JJ,QRM de CXA-19 KY)(232,5/4;Kiyomiya-JAPAN)(--4,?/?;1200;Hauser-OK)(332,0350, 5/4;Earhart-PA)
 11910 0230 HCJB LV de los Andes:w/"DX PARTY LINE" (444,5/8;Thompson-NM)(444,0410,5/7;Gaede-CA)(--4,0150,5/5;Hauser-OK)(444,0035, 4/18;Yajko-PA)
 15105 1300 HCJB LV de los Andes:w/"MORNING IN THE MOUNTAINS" pgm,nx (444, 4/2;Bob & Rita Kelly-TN) This listed as 15115 on my sked!!
 15115 1343 HCJB LV de los Andes:w/EE religous tlk (444,4/27;Yajko-PA)
 15270 2200 HCJB LV de los Andes:w/SS anmt @ 2130 saying will return in 10 seconds and 15405 wikk go off. However, 15270 stays off till 2200 (½ hr.) and 15405 stays on past 2130. 15270 return conflicts with first 45 min. R. Japan North American Svc. on same freq. (--3,5/11;Hauser-OK)
 15300 1925 HCJB LV de los Andes:w/religious programming,tlk,music (343, 4/19;Yajko-PA)(444,1330,4/19;Bob Kelly-TN)(444,1930,4/23; Nutter-KY)
 15375 2350 HCJB LV de los Andes:w/JJ Svc.,religious tlk,some hymns (343, 5/1;Earhart-PA)
 17730 1954 HCJB LV de los Andes:w/European release,"DX PARTY LINE", "BAPTIST BIBLE HOUR" (454,4/5;Smith-FL)(444,4/17;Yajko-PA)

GRENADA

- 5015 2305 R. Grenada:w/Local nx,into mx pgm with YL ancr. Then more nx (332,4/26;Earhart-PA)

GUATEMALA

- 2390 0400 TGDF LV de Atitlán:w/lt. mx pgm,nx @ 0400,hymn @ 0407 sign-off (454,4/8;Kusalik-ONTARIO)(333,0230,4/26;Thompson-NM)
 3300 0300 TGNC R. Cultural:w/"BACK TO THE BIBLE" pgm in EE (443,4/11; Bob & Rita Kelly-TN)(333,0300,4/14;Wirrell-MA)(333,0400,5/2; Crews-FL)(444,0130,5/2;Redman-IL)(313,0314,5/10;Baron-PA)(322,1100,4/15;Miklejewski-MN)

GUATEMALA (cont.)

- 3360 0415 TGVN LV de Nahualá:w/ID by OM,pop LA mx pgm (333,5/2;Crews-FL)
(321,0330,5/7;Cleveland-CA)
3380 0230 TGCH R. Chortis:w/orchestra mx,marimba mx,vocals,ID @ 0242
(232,5/4;Thompson-NM)(444,0328,4/4;Kusalik-ONTARIO)
4825v 0125 TGTZ R. Tesulutlan:w/"EL MUNDO EN MARCHA" nx pgm,into Indian
lang.,IDs as "R. Mam" (332,4/25;Rodriguez-PR)(433,0100,4/18;
Redman-IL)

HAITI

- 3345 0020 4VSO R. Station 4VEH:w/EE religious pgm (313,5/10;Baron-PA)
(242,0033,4/23,w/FF rel pgm;Miller-OH)(353,0120,5/11,w/
FF religious tlk,hymns;Moore-PA)
9770 1330 4VEH R. Station 4VEH:w/EE religious pgm (322,4/19;Yajko-PA)
11835 1400* 4VEJ R. Station 4VEH:w/sign-off EE pgm with address (333,4/27;
Quiroz-TX)(444,1350,4/20;Yajko-PA)(443,1127,4/25;Jones-MS)
(342,0015,4/20,w/SS religious tlk;Earhart-PA)

HONDURAS

- 4820 0345 HRVC LV Evangélica:w/"LUTHERAN HOUR",nx,spts,"NIGHTWATCH" pgm
(343,5/7;Thompson-NM)(443,1058,4/14;Miklejewski-MN)(333,
0330,5/5;Fischer-GERMANY)(333,0430,4/30;Crews-FL)(433,0400,
4/11;Bob & Rita Kelly-TN)(433,0350,5/2;Cleveland-CA)
4920 0230 HRPL3 R. Progreso:w/SS pop mx pgm, anmts as "La emisora hit
musical" (433,4/16;Redman-IL)(443,0020,5/4;Rodriguez-PR)
(333,0100,4/12;Tannenwald-NY)(333,0425,4/21;Cleveland-CA)
5875 0312 HRN LV de Honduras:w/SS tlk,ads (321,4/25;Cleveland-CA)
5960 1055 HRRH LV de Occidente:w/tlk,local mx,ID (433,4/26;Zilmer-WI)

MEXICO

- 9515 *1400 XEWW LV de América Latina:w/IS,SS ID, nx, ads (433,4/20;Zilmer-
9705 0200 XERMX R. México:w/"RADIO CORREO DEL AIRE" pgm (444,4/21; WI)
MacCoy-AZ)(422,0035,4/23;Yajko-PA)
11770 1645 XERMX R. México:w/tlks on assorted subjects laced with mx (333,
3/18;Gaede-CA)(332,1343,5/6;Cleveland-CA)
11820 1405 XEBR La Pantera:w/anmts,ad for "Corona" beer,pop music (222,
4/19;Miklejewski-MN)
11880 0124 XERH R. Seis:w/SS pop mx pgm,ads,IDs (423,4/18;Yajko-PA)
15110 2318 XERH R. Seis:w/ads, tropical mx (333,5/11;Quiroz-TX)(433,2045,
4/19;Fischer-GERMANY)(343,0126,4/18;Yajko-PA)(434,1927,5/9;
Baron-PA)
15125 0030 XERMX R. México:w/MÚSICA ENTRE LOS PUEBLOS DE AMÉRICA" pgm (433,
5/2;Redman-IL)(343,2330,5/3;Warren-CA)
15160 1712 XEWW LV de América Latina:w/SS mx pgm (344,4/12;Dawson-CA)

NETHERLANDS ANTILLES

- 6165 0310 R. Nederland, Bonaire:w/EE tlks (545,5/10;Baron-PA)
9570 *0738 Trans World Radio:w/SS sign on w/ID as "Radio Transmundial"
(332,5/7;Snyder-CA)
9590 0320 R. Nederland, Bonaire:w/mx,SS tlk (222,4/23;Gaede-CA)
9715 0500 R. Nederland, Bonaire:w/EE nx to WCNA (554,5/4;Levin-NJ)(444,
0605,4/27,w/mx,pop show;Gaede-CA)
11790 0250 Trans World Radio:w/SS rel. pgm (333,5/3;Gaede-CA)
11815 *1100 Trans World Radio:w/EE ID,BACK TO THE BIBLE pgm (554,4/24;
Smith-FL)(444,0029,4/30;Crews-FL)
15255 1323* Trans World Radio:EE sign off anmts
(443,5/3;Jones-MS)
15350 0150 Trans World Radio:w/SS tlk,mx,time
pip @ 0200 (353,4/14;Earhart-PA)

MICARAGUA

- 6118v 1120 YNCA R. Atlántico:w/baseball scores,
nx,many ads (232,5/11;Miller-OH)
9580 1615 YNRP R. Mar:w/rapid fiesta type mx,quick "R. Mar" ID by YL
(252,4/12;Vecchiola-PA)

PARAGUAY

- 6025 1018 ZPA1 R. Nacional:w/numerous SS IDs by OM w/ mentions of
Paraguay (332,4/20;Snyder-CA)



Trans World Radio

PERU

- 4790 0300 OAX8F R, Atlántida:w/non-stop guitar mx, full ID @ 0330 (433, 5/2;Redman-IL)(--3,0308,5/4;Moore-PA)
 4995 1114 OAZ4C R, Andina:w/national music (232,4/30;Kiyomiya-JAPAN)(332, 0417,5/6;Cleveland-CA)
 5025 1100 OAX7Q R, Quillabamba:Quechua w/tlk,Andean mx (333,4/30; Kiyomiya-JAPAN)
 6095 0450 OAX4H R, Nacional Mil Ochenta:w/LA mx (333,4/26; Pimblett-ALTA)
 9505 0425 OAX4V R, América:w/EE pop mx,SS anmts,ads,much DJ chatter (443, 5/3;Bixby-CA)
 9530 0500 OAX6G R, Nacional:w/ID @ 0500,sign off @ 0505 (333,4/11; Bixby-CA)
 9675 1213 OAZ4L R, del Pacífico:w/religious pgm, hymns, SS tlk (232,4/27; Miller-OH)

URUGUAY

- 11835 0152 CXA19 R, El Espectador:w/tlk,LD,nx,music (322,4/28;Zink-CA) (333,2331,4/22,w/tangos,sambas,etc.,many ads;Miller-OH)

VENEZUELA

- 3365 0135 YVQP R, Puerto La Cruz:w/ID, romantic mx, 0155 s/off (353,5/12;Moore-PA)(454, 0225,4/19;Kusalik-ONTARIO)
 3395 0315 YVOJ R, Universidad:w/typical LA pgmning,IDs,ads (544, 4/19;Kusalik-ONTARIO)
 4770 0830 YVNW R, Bolívar:w/Latin pop mx,IDs (333,4/8;Tannenwald-NY)
 4780 0050 YVLA LV de Carabobo:w/LA music,TCs (354,5/12;Moore-PA)(423, 0215,5/2,w/lt. mx,many ads & IDs; Redman-IL)
 4800 1020 YVMO R, Lara:w/Venezuelan mx,several IDs (433,4/29;Redman-IL) (433,1012,4/27;Earhart-PA)
 4860 0935 YVQE R, Maracaibo:w/SS tlks,music,ID (232,5/3;Capili-HI)(433, 1040,4/29;Redman-IL)
 4880 0353 YVMS R, Universo:w/fast LA mx,anmt of freqs.,power,slogan @ 0358 sign-off w/ anthem (432,4/28;Cleveland-CA)(433,0330, 4/16;Redman-IL)
 4890 0230 YVKB Radiodifusora Venezuela:w/pop mx, Elvis Presley hits, etc. (433,5/5;Fischer-GERMANY)(433,0000,4/14;Redman-IL)(442,0255, 4/22;Cleveland-CA)
 4900 0010 YVNK R, Juventud:w/pop LA mx,ID, DJ chatter (333,4/23;Yajko-PA) (333,0000,4/12;Tannenwald-NY)(443,0352,4/23;Cleveland-CA)
 4940 0025 YVPA R, Yaracuy:w/SS tlk by OM (433,4/29;Yajko-PA)(432,0345, 4/23,w/LA pop mx,TCs,ID,light het noted;Cleveland-CA)
 4950 0320 YVNM R, Coro:w/SS anmts, pop Latin music (332,4/25;Cleveland-CA)
 4970 0150 YVLK R, Rumbos:w/LA mx including many vocals,ads,many many IDs (444,5/3;Thompson-NM)(444,0530,4/24;Redman-IL)(333,0025, 4/29;Yajko-PA)(333,0407,4/29;Crews-FL)(423,0348,5/10; Levin-NJ)
 4980 0345 YVOC Ecos del Torbes:w/SS tlks, LO QUE ESTA NOCHE RECUERDA pgm, sign off @ 0358 (444,4/11;Mercado-CA)(444,0945,5/3;Capili-HI)(333,0352,5/11;Pimblett-ALBERTA)(444,0200,5/5;Fischer-w. GERMANY)(433,1055,4/29;Redman-IL)(444,0222,4/29;Yajko-PA)
 4990 0020 YVMQ R, Barquisimeto:w/ID as "R. Barquisimeto Internacional" pop mx (433,4/14;Redman-IL)(333,0330,5/10;Thompson-NM) (433,0020,4/29;Yajko-PA)
 5030 0350 YVMK R, Reloj Continente:w/"CONTINENTE INFORMA" nx pgm,SS IDs, TC (433,4/23;Cleveland-CA)(333,*0930,5/3;Jones-MS)(323,0350, 4/19;Earhart-PA)(433,0200,4/13;Redman-IL)(333,0250,4/17; Zink-CA)
 6180 *0930 YVSD R, Turismo:w/Sign on w/NA, martial mx, ID "Aqui Radio Turismo", into mx pgm (332,4/25;Jones-MS)(433,1045,4/24; Zilmer-WI)
 9510 2215 YVXJ R, Barquisimeto:w/SS nx,TC, mx pgm (222,4/28;Quiroz-TX)
 9660 2327 YVLM R, Rumbos:w/pgm RADIO RUMBOS MUSICAL, TC after each mx selection (--3,4/26;Quiroz-TX)

ECOS del TORBESUNIDENTIFIED

- 4825 0355 Dominican Republic/Guatemala both here but unable to ID stn here w/ LA mx, s/off w/freqs,anthem @ 0309. (321,5/2; Cleveland-CA)(with sign off this time most likely the Guatemalan,Bill. HIFA usually on to around 0500. ejw

THE BRAZILIAN SHIFT

- A SUMMARY OF RECENT FREQUENCY MOVES IN BRAZIL

It is now clear that a major realignment of frequency assignments has occurred in Brazil. The switchover, a move ordered by the Departamento Nacional de Telecomunicações, DENTEL, was conducted under an apparent cloak of secrecy. Not a word of advance notice appeared in the Brazilian news media and thus, when on the first of May the approximately two dozen stations involved made their adjustments, the Brazilian populace was taken completely by surprise.

No information as to the reason for the realignment has been given nor has a list of the new assignments been published. Therefore, the full extent of the switchover may not be known for some time. Monitoring can provide some indication but, since some stations use shortwave only for special events, it will be some time before it is truly clear just who is where. Furthermore, early observations show some stations experiencing severe interference on their new frequencies and it is likely some adjustments will be required. Despite these handicaps, a reasonably complete picture of the new frequency assignments is available to SPEEDX thanks to an intensive monitoring effort by ace Brazilian DXer, Robert Veltmeijer. Robert has scanned the Tropical Bands and compiled the roster below from his observations during the first 11 days of May. We are indebted to Robert for sharing these observations with us.

90 Meter Band

3225	Rádio Clube de Lins (ex-4935)
3235	Rádio Clube de Marília (ex-3255)
3245	Rádio Clube de Varginha (ex-4825)
3265	Rádio Ribeirão Preto (unchanged) (heavy QRM noted)
3265	Rádio Cultura Poços de Caldas (ex-4885)
3285	Rádio Olinda Pernambuco (ex-3375) (needs further clarification)
3295	Rádio Cultura de Sergipe (unchanged)
3305	Rádio Clube de Grande Rio (ex-3285)
3315	Rádio Gazeta de Alagoas (unchanged)
3335	Rádio Alvorada de Londrina (ex-3345)
3345	Rádio Educação de Uberlândia (ex-3295)
3355	Rádio Difusora Brazil de Uberlândia (unchanged)
3365	Rádio Cultura de Araraquara (ex-4915)
3385	Rádio Congonhas (ex-4795)

60 Meter Band

4755	Rádio Educação Rural de Campo Grande (ex-3295) (heavy QRM noted)
4755	Rádio Difusora Maranhão (unchanged) (heavy QRM noted)
4785	Rádio Brasil, Campinas (ex-4755)
4795	Rádio Difusora Aquiduaana (ex-5025)
4795	Rádio Trabajara, J. Pessoa (unchanged)
4805	Rádio Itatiaia de Belo Horizonte (unchanged) (heavy QRM noted)
4815	Rádio Difusora Paraná (ex-3365)
4835	Rádio Difusora Roraima (unchanged)
4845	Rádio Difusora Teresina (unchanged)
4855	Rádio Clube de Belem do Pará (ex-4865)
4865	Rádio Sociedade Feira de Santana (ex-4765) (IDs as Radio Sociedade)
4875	Rádio Jornal do Brasil (unchanged)
4915	Rádio Difusora Macapá (unchanged)
4915	Rádio Anhanguera (ex-5035) (needs further clarification)
4925	Rádio Difusora Taubaté (ex-4855)
4945	Rádio Capixaba, Vitória (unchanged)
4955	Rádio Cultura de Campos (unchanged)
4965	Rádio Sociedade Triangulo Minerio (ex-4835)
4985	Rádio Brasil Central (ex-4995)
5015	Rádio Cultura de Cuiabá (ex-5055)
5025	Rádio Borborema (ex-3225)
5035	Rádio Aparecida (ex-4985)
5045	Rádio Difusora Presidente Prudente (ex-3335)

SWBC DX

EUROPE / AFRICA



Trans World Radio



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

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

-Europe-

ALBANIA

- | | | |
|-------|------|---|
| 6200 | 0133 | R. Tirana: Eng w/ commtry (433 4/18 Yajko-PA) |
| 7120 | 0300 | R. Tirana: Eng w/ nx (533+ 5/7 Earhart-PA) |
| 7200 | 0134 | R. Tirana: Eng w/ ID, nx (444 5/10 Baron-PA) |
| 7300 | 0344 | R. Tirana: Eng tlk (443 4/30 Cleveland-CA);(544 0330 4/25 Wirrell-MA) |
| 9750 | 0014 | R. Tirana: Eng w/ commtry (433 4/18 Yajko-PA) |
| 11985 | 1540 | R. Tirana: Eng tlk, ID (333 4/17 Junqua-JAPAN) |

AUSTRIA

- | | | |
|------|------|--|
| 6155 | 0130 | Osterreichischer Rundfunk: Eng "Report from Austria" (333 5/10 Zilmarowski-MA); (434 0131 5/10 Baron-PA) |
|------|------|--|

BELGIUM

- | | | |
|------|------|---|
| 6080 | 0040 | Radiodiffusion Television Belge: Eng w/ Mailbag (433 4/18 Zilmer-WI);(332 0050 5/9 Miller-OH) |
| 9730 | 2255 | RTB: Eng "Belgium Speaking", nx (433 4/29 Zilmer-WI) |

BULGARIA

- | | | |
|------|------|--|
| 9700 | 0013 | R. Sofia: Eng nx, commtry (323 5/10 Baron-PA);(423 0044 4/30 Yajko-PA);(322 0407 4/19 Zink-CA);(433 1930 4/27 Miller-OH);(544 1930 4/25 Wirrell-MA);(433 2130 4/8 The Kellys-TN) |
|------|------|--|

CZECHOSLOVAKIA

- | | | |
|------|------|---|
| 5930 | 0115 | R. Prague: Eng commtry (333 5/1 Davidonis-MA);(444 0143 4/15 Yajko-PA);(342 0312 4/30 Cleveland-CA) |
| 7345 | 0129 | R. Prague: Eng nx, commtry (433 4/27 Smith-FL);(434 0145 4/18 Miklejewski-MN);(333 0300 5/12 Quiroz-TX) |
| 9540 | 0120 | R. Prague: Eng commtry (333 0120 4/30 Yajko-PA) |

FINLAND

- | | | |
|-------|-------|--|
| 15185 | *2300 | R. Finland: Eng w/ new summer sked, replaces 9550 at 0300, QRM from RCI *2300 s/on on 15190 (-2 5/4 Hauser-OK);(--- not hrd 5/4-5/9 Zilmer-WI) Any ideas for a new fqy gentlemen? rfb. |
| | *1400 | R. Finland: Eng w/ Letterbox (333 4/20 Trzaskus-IL);(434 4/20 Yajko-PA);(443 4/11 Robert & Rita Kelly-TN);(232 1410 5/5 Earhart-PA) |

FRANCE

- | | | |
|---------|------|---|
| 9505 | 1745 | R. France International: Eng w/ mx, letters from listeners // 15120 15140 15360 17775 17850 among others all fair to good (323 4/20 Yajko-PA) |
| 15160 | 1730 | RFI: Eng "Paris Calling Africa" (242 4/28 Bixby-CA) |
| 15360nf | 1702 | RFI: Eng "Paris Calling Africa" (422 5/4 Zilmer-WI) |
| 15425 | 1710 | RFI: Eng "Paris Calling Africa" (443+ 4/26 Earhart-PA) |



GERMANY, EAST

9730 0340 R. Berlin International: Eng tlk, mx (333 4/27 Bodell-OR)
 11700 1359 RBI: Ger w/ IS, ID, nx (242 4/19 Miller-OR)

GERMANY, WEST

6010 0138 Deutsche Welle: Eng tlk // 6040 (444 4/18 Yajko-PA)
 6075 0130 DW: Eng tlk (333 4/29 Davidonis-MA)
 6145 0024 DW: Ger nx, IS, ID (545 5/10 Baron-PA)
 15245 *1330 DW: Ger nx (333 5/3 Jones-MS)

GREAT BRITAIN

6175 0410 BBC: Eng nx (332 5/5 MacCoy-AZ)
 7325 0012 BBC: Eng nx (444 4/17 Yajko-PA)
 9585 2300 BBC: Eng ID, IS, nx, comtry (434 5/9 Baron-PA)
 9760 2200 VOA, Wofferton: Eng nx, "Music USA" (232 4/16 Talbot-WI)
 15070 1350 BBC: Eng tlk (444 5/8 Oliver-NH);(444 1308 4/20 Yajko-PA)
 15300 1900 VOA, Wofferton: Eng nx (232 4/16 Capili-HI)

GREECE

7270 *0158 VOA, Kavala: Eng s/on w/ "Yankee Doodle", ancmt, into Urdu prgr (443 5/1 Vecchiola-PA);(433 0300 in Eng 4/30 Mosman-IL);(333 0330 in Eng 4/14 Smith-MA)
 11850 1530 VOA, Kavala: Hindi nx, comtry (434 4/26 Sridhar-INDIA)
 15425 1323 Ethnikon Idhryma Radiophonias Tileorasseos (EIRT): Greek? w/ tlk, mx, QRM from DW same fqy (332 4/19 Earhart-PA)

HOLLAND

6165 0200 R. Nederland: Eng s/on, nx (444 4/20 Yajko-PA);(444 5/2 0508 Capili-HI)
 9715 2147 R. Nederland: Eng w/ "DX Juke-box" (343 4/24 Nutter-KY)
 11730 2145 R. Nederland: Eng w/ "His and Hers" (443 4/22 Robert & Rita Kelly-TN)
 15220 1805 R. Nederland: Eng mx (333 4/19 Dawson-CA)

HUNGARY

6000 0300 R. Budapest: Eng prgr (322 4/16 Talbot-WI);(433 0309 5/10 Baron-PA)
 9655 2145 R. Budapest: Eng w/ DX prgr (422 5/4 Zilmer-WI)
 9833 *0100 R. Budapest: Eng w/ nx (333 4/29 Davidonis-MA);(442 0300 4/30 Cleveland-CA);(222 2245 4/15 Talbot-WI)

ITALY

9575 0102 Radiotelevisione Italiana: Eng nx (333 5/10 Baron-PA);(444 0110 4/30 Yajko-PA);(222 0120 5/9 Quiroz-TX)
 11810 0100 RAI: Eng nx, mx // 9575 (422 5/7 Zilmer-WI)

LUXEMBOURG

6090 0025 R. Luxembourg: Eng w/ rock mx, ads (333 5/3 Zimarowski-MA); (434 0015 5/10 Baron-PA);(433 0000 4/26 Talbot-WI);(433 0042 4/17 Yajko-PA)

MALTA

6100 0105* Deutsche Welle, Nigret: Eng w/ Malta ID, time pips, s/off (545 5/10 Baron-PA)

NORWAY

9645 0358* R. Norway: Eng w/ "News and Views" into s/off (443 4/28 Cleveland-CA)
 15175 0814 R. Norway: Eng w/ mailbag prgr (444 4/20 Junqua-JAPAN);(--2 1604 5/4 Hauser-TX)

POLAND

6135 0330 Polish R.: Eng/Polish w/ ID, sked, address, closing, IS into Polish prgr // 6095 v poor (322 4/18 Smith-MA)

PORTUGAL

15145 1626 R. Free Europe, Lisbon(?): Polish w/ tlk, mx (242 4/17 Snyder-CA)
 15340 *2030 R. Portugal: Port w/ IS, anthem, ID, tlk (232 4/27 Bodell-OR)


ROMANIA

5990 0134 R. Bucharest: Eng nx (313 5/10 Baron-PA);(222 0400 4/16 Talbot-WI)
 15250 1300 R. Bucharest: Eng nx (433 4/27 Zilmer-WI)

SPAIN

6065 0103 R. Nacional de Espana: Eng w/ s/on. Spanish mx (544 5/10 Baron-PA);(433 0123 4/22 Yajko-PA);(222 2200 5/5 Quiroz-TX)

SWEDEN

6035 2300 R. Sweden: Eng prgr to N.A., reactivated fgy, new time (321 5/5 Zilmer-WI) // 9605 11705 
 9605nf 2300 R. Sweden: Eng nx, to N.A. at new time (422 5/4 Zilmer-WI)
 11705 2325 R. Sweden: Eng w/ cl mx (322 5/8 Miller-OH)
 11735 1600 R. Sweden: Eng nx, Panorama, to Mid-East (323 4/27 Sridhar-INDIA)
 15195nf 1321 R. Sweden: Swedish prgr into Fr at 1330 (141 5/4 Snyder-CA)
 15310nf 1230 R. Sweden: Eng nx, commtry, new time, repeated @ 1400 (453 5/4 Zilmer-WI)

SWITZERLAND

5965 *0145 SBC: Eng w/ IS, ID, fays, Eng nx (534 5/10 Baron-PA)
 6120 0150 SBC: Eng nx, commtry (332 5/3 Jones-MS)
 6135 *0145 SBC: Eng s/on, nx (433 5/9 Zimarowski-MA);(343 5/9 Jones-MS)
 6165 2115 SBC: Eng prgr into Ger 2130 (333 5/12 Oliver-NH)
 9590 2100 SBC: Eng nx (422 5/5 Zilmer-WI);(434 2115 Yajko-PA)
 11870 1530 SBC: Eng prgr to Mid-East and Africa (343 5/3 Barhart-PA)

U.S.S.R.

7140 0011 R. Moscow: Eng tlk (444 4/17 Yajko-PA)
 7200 0051 R. Kiev: Eng commtry, mx, ID, vs/off 0058 (433 4/18 Smith-FL)
 7350 0340 R. Moscow: Eng w/ mx, tlk (444 4/21 Smith-FL)
 9535 0115 R. Moscow: Eng commtry (444 4/30 Yajko-PA)
 11860 0233 R. Moscow: Eng nx, commtry, mx (433 4/16 Zink-CA)
 17870 0047 R. Kiev: Eng mailbag prgr (444 4/20 Zink-CA)

VATICAN STATE

5995 0100 R. Vaticana: Eng w/ rel nx // 6165 9605 (534 4/16 Smith-MA)
 6165 0100 R. Vaticana: Eng rel nx, commtry (322 5/1 Davidonis-MA)
 9605 0100 R. Vaticana: Eng rel prgr (222 5/5 Quiroz-TX)
 15165 1500 R. Vaticana: Eng religious prgr (433 4/18 Robert & Rita Kelly-TN)

YUGOSLAVIA

9620 *2200 R. Belgrade: Eng nx, commtry (322 4/20 Jones-MS);(212 4/16 Talbot-WI)

-Africa-

ALGERIA

11715 0610 Radiodiffusion-Télévision Algérienne: Ar w/ Koran reading (323 4/29 Bodell-OR)

ANGOLA

4820 0518 Emissora Oficial: Port w/ mx, ID @ 0530 (332 5/5 Snyder-CA)
 5045 1355 R. Clube de Benguela: Port w/ tlk, 1400 w/ IS, "A Portuguesa", ID w/ mention of Emissora Oficial, then nx (141 4/15 Bixby-CA)
 5060t 2221 R. Clube do Huambo: Port mx, tlk (211 5/9 Baron-PA)
 9535 0535 Emissora Oficial: Port w/ mx // 7245 (333 5/13 Bodell-OR); (232 1611 4/27 Bixby-CA) // 11875
 9660 1622 A Voz de Angola: Port w/ instr mx, ID, 1630* (242 4/15 Snyder-CA)

ASCENSION ISLAND

9510 0130 BBC, Atlantic Relay: Eng nx (232 4/16 Capili-HI);(323 2301 5/9 Baron-PA)
 15400 1355 BBC: Eng tlk // 15070 (344 5/8 Oliver-NH);(332 1700 4/12 Dawson-CA)

CAMEROON

5010 0520 R. Garoua: U/lang w/ mx (222 4/18 Bodell-OR)

CANARY ISLANDS

11800 0035 R. Nacional de Espana, Tenerife: Sp w/ nx, comntry, mx, several mentions of "Canarias" (454 5/3 Vecchiola-PA); (221 0132 4/19 Miklejewski-MN)

CENTRAL AFRICAN REPUBLIC

5038 2219 Radiodiffusion Nationale Centrafricaine: Fr tlk, mx (322 5/9 Baron-PA); (343 2245 5/12 Oliver-NH); (222 0510 TENT 4/18 Bodell-OR)

7220 0615 Rdif Nat Centrafricaine: Fr w/ IDs @ 0615, 0620, mx (333 5/2 Crews-FL)

CHAD

4904.5 2230 Radiodiffusion Nationale Tchadienne: Fr w/ march mx, ancmts, IDs, broadcasting during rebel uprising way past normal s/off (443 4/13 Vecchiola-PA)

CONGO, PEOPLE'S REPUBLIC OF THE

4765 0440 Radiodiffusion Television Congolaise: Vern w/ native mx (332 4/21 Cleveland-CA)

EGYPT, ARAB REPUBLIC OF

9475 0208 R. Cairo: Eng mx, nx comntry (222 5/6 Gaede-CA); (332 0221 5/3 Jones-MS); (353 0230 5/11 Dawson-CA); (342 0316 4/28 Cleveland-CA); (333 0140 5/10 Baron-PA)

17725 1400 R. Cairo: Eng nx (333 5/9 Zimarowski-MA); (322 1534 5/4 Trzaskus-IL); (544 2100 4/27 Wirrell-MA)

ETHIOPIA

15250 0520 ETLF: Ar w/ tlk, "How Great Art Thou" in Arabic (444 5/13 Bodell-OR)

GHANA

3366 2330 Ghana Broadcasting Corporation, Accra: Eng w/ boxing (444 4/12 Vecchiola-PA); (322 0600 4/20 Warren-CA)

4915 0601 GBC, Accra: Eng nx (433 5/6 Zimarowski-MA); (443 0605 4/27 Smith-MA)

6130 2245 R. Ghana (GBC): Eng w/ nx summary (443 4/27 Zilmer-WI)

9545 2102 R. Ghana (GBC): Eng nx about Africa (322 5/9 Baron-PA)

GUINEA, REPUBLIC

9652 0235 Radiodiffusion Nationale: Vern w/ afro songs (333 4/18 Bodell-OR)

IVORY COAST

4890 2220 Radiodiffusion Television Ivoirienne: Fr w/ tlks, ID @ 2245 (333 5/8 Oliver-NH)

7215 0640 RTVI: Fr w/ tlks (454 4/27 Smith-MA); (433 2330 4/19 Zilmer-WI)

11920 2225 RTVI: Fr w/ tlks, Vern tlks, mx (433 4/22 Earhart-PA)

LIBERIA

3990 0640 VOA, Monrovia: Eng w/ comntry (443 4/27 Smith-MA) radio village

4770 2145 ELWA: Eng w/ rel tlks (233 5/12 Oliver-NH)

6035 *0259 VOA, Monrovia: Eng w/ African Safari (433 4/17 Jones-MS)



"eternal love winning africa"

POST OFFICE BOX 122 MONROVIA LIBERIA

LIBYAN ARAB REPUBLIC

61854 0445 Libyan Broadcasting Service: Ar chants, tlks (453 4/27 Smith-MA)

MALAGASY REPUBLIC

15120 *2000 R. Nederland, Tananarive: Eng w/ "Happy Station" to Eur (443 4/20 Jones-MS); (333 4/20 Trzaskus-IL)

MAURITANIA

4850 *0655 Radiodiffusion Nationale de Mauritanie: Ar w/ IS, ID, into chants (332 5/8 Snyder-CA)

MOROCCO

~~5960~~ 0045 Radiodiffusion Television Marocaine: Ar w/ call to prayer (434 4/20 Smith-MA)
 6190 0505 RTVM: Ar chanting (433 4/27 Smith-MA)
 7230 0455 VOA, Tangier: Eng ID @ 0500 into Bulgarian w/ nx (433 4/13 Earhart-PA)
 9615 0109 RTVM: Ar w/ Arabic mx (343 ??? Smith-TN)
 15270 1430 VOA, Tangier: Lithuanian progr (333 4/27 Davidonis-MA)

MOZAMBIQUE

11780 0515 R. Clube de Mocambique: Eng/Afrikaans w/ IM Radio, pop mx, ads, TCs (242 5/6 Bodell-OR)
 11820 0458 RCM: Port w/ tlk, TC 0500, ID (333 5/13 Bodell-OR)

NIGERIA

7275 0610 Voice of Nigeria (NBC): Eng w/ stock mkt rpt, progr rvw, mx (443+ 5/4 Earhart-PA)

RWANDA

7225 0335 Deutsche Welle, Kigali: Swahili w/ mx, tlks (343 5/4 Thompson-NM);(333 0430 in Eng 5/3 Crews-FL);(433 0450 in Eng 5/4 Earhart-PA)
 15410 1215 DW: Eng w/ progr to Afr, an alternative to deleted progrs (-4 4/12 Hauser-TX);(333 2202 4/15 Zink-CA);(332 0130 4/14 Earhart-PA) Latter two in Ger. rfb.

SENEGAL

11895 2006 R. Senegal: Fr nx, electronic mx 2010 (443 4/28 Bixby-CA)

SEYCHELLES

15325 1621 Far East Broadcasting Association: Eng w/ rel progr (242 4/17 Snyder-CA)

SIERRA LEONE

3316 0001* Sierra Leone Broadcasting Service: Eng w/ rock mx, ID as "You are tuned to S.L.B.S.", Koran reading, s/off (443 4/12 Vecchiola-PA)
 5980 *0600 SLBS: Eng w/ IS, s/on, rel progr, local mx, ads, nx 0630, 0700 Speech-Republic Day in Sierra Leone (333 4/19 Seymour-NC);(232 4/30 Snyder-CA);(443 0715 5/6 Moor-IL)

SOMALI

60976 0030 R. Mogadishu: Ar ancmts, tlk, "Could be R. Sahara in Ar, but not listed/reported at this time so far", 0500*(222 5/3 Smith-MA) Possible, especially so if the fqy is measured as I believe yours is. Spanish Sahara has been hrd relatively well lately, also. Any others? rfb.

SOUTH AFRICA

3285 0400 SABC: Eng w/ nx (422 5/6 Cleveland-CA);(333 0440 5/6 Zimarowski-MA)
 3980 0345 SABC: Eng w/ mx, ads, some in Afrikaans (433 5/2 Zilmer-WI)
 4810 0425 SABC, Springbok R.: Eng, IDs, combs, pop mx (333 5/2 Crews-FL);(443 0430 4/21 Cleveland-CA);(433 0432 4/16 Zink-CA);(232 0510 4/25 Capili-HI);(343 0511 4/23 Jones-MS)
 4875 0400 SABC: Eng nx (222 5/10 Smith-TN);(333 0330 5/3 Warren-CA)
 5980 2230 R. RSA: Eng nx to N.A., ex 11970 (443 5/4 Zilmer-WI);(433 2317 5/5 Zimarowski-MA);(422 0317 4/30 Cleveland-CA)
 7270 0330 R. RSA: Eng w/ mx (443 4/23 Zilmer-WI);(544 0305 4/19 Miklejewski-MN)
 9525 2100 R. RSA: Eng w/ nx, comtry (444 4/28 Davidonis-MA);(434 2235 4/13 Yajko-PA);(444 2305 5/5 Earhart-PA);(333 0355 4/23 Gaede-CA)
 9695 2235 R. RSA: Eng nx (422 4/13 Yajko-PA);(222 2315 4/26 Quiroz-TX)



RADIO RSA

SOUTH AFRICA (cont.)

11900 1610 R. RSA: Eng w/ intvw (343 4/25 Sridhar-INDIA);(433 2230 4/13 Yajko-PA)
 15220 1107 R. RSA: Eng tlk (343 4/29 Capili-HI)
 17780 1600 R. RSA: Eng mx, nx, commtry (544 4/27 Wirrell-MA);(434 4/24 Robert & Rita Kelly-TN)

SWAZILAND

4790 0503 Trans World Radio: Vern w/ rel prgr, no ID (232 5/5 Snyder-CA)
 4980 0417 Swazi Music Radio: Eng w/ rock mx (353 5/10 Smith-TN);(222 0420 4/27 Warren-CA);(433 0420 4/21 Cleveland-CA);(322 0405 4/17 Zink-CA)



TANZANIA

3339 0315 R. Tanzania-Zanzibar: Swahili w/ tlk (333 5/3 Earhart-PA)
 4785.5m 2220 R. Tanzania: (TENT) Vern w/ nat songs, Mali too high? (332 4/29 Earhart-PA)
 15435 1555 R. Tanzania: Eng w/ mx, nx, commtry @ 1600, mx 1615, IDs (333 5/3 Junqua-JAPAN)

TOGO

5047 2150 Radiodiffusio du Togo: Fr w/ tlk, mx 2200, vern, nx 2202 (333 4/21 Earhart-PA);(333 2206 5/9 Baron-PA);(333 0530 5/3 Crews-FL)

TUNISIA

11970 1725 Radiodiffusion Television Tunisienne: Arabic w/ chants (353 4/20 Miller-OH)

UPPER VOLTA

4815 0535 Radiodiffusion Television Voltaique: Vern w/ afro mx (222 5/5 Bodell-OR);(322 0545 4/17 Zink-CA);(222 2304 5/9 Baron-PA)



ZAIRE

7205 0450 R. Lumbumbashi: U/lang w/ lt afro mx (222 4/18 Bodell-OR)
 11865 2012 R. Lumbumbashi: U/lang w/ tlk, afro mx (333 4/19 Miller-OH)
 15245 0019 La Voix du Zaire: U/lang w/ drums, afro chants (243 5/8 Vecchiola-PA)

ZAMBIA

3340 0413 Zambia Broadcasting Service: Eng w/ tlk, weak (131 4/14 Bodell-OR)

-Clandestine-

CLANDESTINE

12140 1840 R. Espana Independente: Sp w/ ID ancmt, burst of "Farmer and the Cowman" @ 1840, hvy QRM at times, mostly fair though (233 4/20 Mulcahy-ENGLAND)

EUROPE AFRICA ROUNDUP;

Ciao! Thanks this month go to our courageous lone new reporter for this month, David Moor. How 'bout all you new subscribers sharpening your crayons or what have you and sending us in a report next month. We sure could use them now that the slow DX season is here. Or perhaps you might have some info to share that's appropriate for the Roundup section. Remember, not everyone can listen to all the DX programs or subscribe to a lot of DX publications (especially this editor!).

We're a little late this month due to some unexpected out-of-state business. Here's hoping we don't hold the mag up too much.



Radio Sahara - Spanish Sahara: The info at right is especially appropriate now with R. Sahara being heard pretty well for some DXers. It could forecast a change on the country seen.

Radio Leprechann - Irish Republic on Short-wave: From Glenn Hauser we have this word from SCDX which though dated a little is still of interest: "Radio Dublin International will go on the air at 0100 24 May on 15125, 17780 (Sweden Calling DXers 5/6)." As Glenn notes, this is of interest if true.

Osterreichischer Rundfunk - Austria: ORF has opened a new transmission to WCNA from 0400-0600 with English from 0430-0500. Not as yet being heard as of 5/6 because of propagation and R. RSA on the same frequency at the same time! Glenn Hauser who sends us this info has recommended that ORF try 6110.

Another Deutsche Welle?: Both Woody Smith and Glenn Hauser send word that Radio Finland is also thinking about elimination of English broadcasts at the end of May or latter. The station has been appealing for letters to be sent to it and its embassies protesting the proposed cuts. Let's try to not let them down, get those letters out!

R. Denmark - Denmark: From the 4th of May, Radio Denmark has added a third transmission to North America from 0200 on 9520.

(WWDXC)

E.I.R.T. - Greece: EIRT is broadcasting on short-wave from Salonika to Europe on 7280 at 2000-2030 and to the Mid-East on 9710 from 1100-1430.

"A Voz de Mocambique" - Mozambique: This station is broadcasting from 0700-1600 on 6180 and from 0400-0700, 1500-2215 on 3338 and 4865.

(SCDX via WWDXC)

Emissor Regional - Sao Tome e Principe: This station according to the World Radio Bulletin is on new 5338 with s/on 0600 to 2400 s/off.

(WWDXC)

That's it for this month, get your reports in early for next!

73,

Bob *Bob*

Spain to quit mineral-rich Sahara land

By Ernesto Mendoza
Reuter

MADRID—Spain yesterday said it would hand over sovereignty in the Spanish Sahara to its people as soon as possible.

A government statement issued here said the situation in the Spanish Sahara, which is disputed by Morocco and Mauritania, had deteriorated recently, and there was tension, confusion and uncertainty about the future.

"Spain does not intend in any way to prolong its stay in the Sahara, from which it never thought of obtaining any political or material gain," the statement said.

Observers said the statement indicated that Spain would rather leave the mineral-rich territory, which is strategically located on the western bulge of Africa opposite the Canary Islands, than get caught up in a colonial war.

The future of the 103,000-square-mile tract of Sahara Desert has become a burning issue since the discovery there of huge phosphate wealth.

With the liquidation of Portugal's possessions, it is the last big colony in Africa. Most of it is a desolate waste of rolling sand dunes, inhabited by about 60,000 people.

Until the Spanish administration was set up 40 years ago, the area always was ruled by Moroccan monarchs, according to King Hassan II of Morocco.

Hence the Moroccans do not consider the Sahara's future a question of decolonization, the classic process of giving freedom to a dependent people. It should be returned purely and simply to Morocco, they say.

Morocco has accepted United Nations proposals for a referendum for self determination — but Hassan has said he will accept the result only on certain conditions.

Hassan's conditions were that the Spanish army and administration first must be withdrawn and that thousands of Saharan refugees now living in Morocco must be allowed to return home. The final condition was that the people must not be asked to vote for or against independence.

Boston Globe May 25,
1975.



ASIA-OCEANIA

MEL HICKMAN

Editor, Asia/Oceania

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DEADLINE: 15th of the month



Surprise! Another deadline has crept up on me and I haven't the foggiest idea as to what I should say. Outside of an interesting section of Vietnam loggings, the seasonal DX slump is starting to make itself known. As usual, date and time are in GMT, frequencies are in kiloHertz, and the next deadline is June 15th.

FREQ TIME SIO LOCATION

ASIA

BANGLADESH

9550 1815 332 HI R. Bangladesh: English world news. (Grove 4/24)

BRUNEI

4865 1405 433 CA R. Brunei: Malay OM Islamic chant, native mx. (Cleveland 4/24)

7215 1315 333 CA RB: Eng news, int; instrumental music. (Mercado-Bixby, 4/8)

1348 443 JAPAN RB: Eng OM w/WHO talk, jazz mx, 1432*. (Junqua 4/21)

BURMA

5040 1400 332 CA BBS: Burmese native music. (Cleveland 5/7)

1510 343 HI BBS: English music, religious program. (Grove 4/25)

CHINA, P. R. OF PLA = Peoples' Liberation Army JKT = Peoples' Broadcasting Station

2340 1330 442 JAPAN Fukien JKT: Chinese with English lessons. (Kozumi 5/7)

3200 1330 433 CA PLA Fukien: Chinese OM talk. (Cleveland 5/6)

3310 1234 233 OR Kirin JKT: Chinese YL talk, music. (Bodell 4/27)

3450 1350 332 CA Chungyang JKT: Chinese First Program w/group singing. (Cleveland)

4068 1350 322 CA Huhohot JKT: Mongol OM talk, some Oriental mx. (Cleveland 4/23)

4840 1530 232 HI PLA Fukien: Chinese talk by YL. (Capili 4/29)

4960T 1111 252 OH R. Peking: Chinese OM talks, Oriental music. (Miller 4/20)

5950 0950 444 HI Heilunkiang JKT: Chinese opera mx, talks. (Capili 5/3)

5975 1105 444 HI RP: Chinese news, talk by YL. (Trubee 5/4)

6290 1336 433 CA RP: Eng YL talk on provincial industries. (Cleveland 4/23)

6665 1415 453 CA CJKT: Chinese with YL and OM talk. (Dawson 4/25) First Program.

6750 1350 453 CA CJKT First Program: Chinese OM talk. (Dawson 4/25)

9020 1300 433 CA CJKT Second Program: Chinese YL singing, orchestral mx. (Dawson)

9064 1300 453 CA CJKT First Program: Chinese YL singing, mx de orchestra. (Dawson)

9080 1318 453 CA CJKT First Program: Chinese singing by YL. (Dawson 4/30)

9210 1235 311 MN RP: English OM/YL talk, CW QRM. (Miklejewski 4/20)

9365 1350 232 MN RP: Chinese songs to 1357* w/"Internationale". (Miklejewski 4/17)

9390 *1130 343 HI RP: Spanish talks and ID. (Capili 4/25)

9460 0950 322 HI RP: English news by YL. (Trubee 5/3)

11522 1524 --2 CA CPA: Chinese dictation speed news by YL. (Szot)

11685 *1200 343 HI RP: English talk on "Liberation of Saigon". (Capili 5/1)

Noted // 11650 at this time by Zilmer in WI with 433 signals, in FL at 332 by Smith, 343 in MS by Jones, 443 in TN by the Kelly's, 333 in PA by Yajko, and at 1257* with 333 signals by Miklejewski.

RP: English talks, news, Vietnamese songs by Grove and Capili.

11720 0850, 1012 332 HI RP: English news and comment. (Yajko 4/17)

11945 0007 433 PA RP: Chinese YL with talk. (Dawson 4/22)

12120 0315 432 CA RP: English commentary. (Yajko 4/17)

15060 0007 433 PA RP: English news. (Brooker 4/29)

0102 443 MI RP: English comment on Asia. (Miklejewski 4/18)

0110 211 MN RP: English commentaries. (Cleveland 4/30)

0400 343 CA RP: English commentaries. (Cleveland 4/30)

17673 0007 444 PA RP: English commentary. (Yajko 4/30)

17855 0109 343 PA RP: English news and commentary. (Yajko 4/30)

CHINA, REPUBLIC OF

17890 *0200 353 HI VOFC: English news, comment, Chinese cl mx. (Grove 4/22)

<u>CYPRUS</u>								
11740	0355	323	OR	BBC	Limassol: Arabic Koran reading. (Bodell 4/29)			
<u>INDIA</u>								
4760	1323	222	OR	AIR	<u>Simla</u> : U/lang with Subcontinent music. (Bodell 4/27)			
4775T	1127	242	OH	AIR	<u>Gauhati</u> : Hindi (?) YL with stringed instrument mx. (Miller)			
9575	1750	343	HI	AIR	Delhi: English selection of folk music. (Grove 4/22)			
9625	*1214	--2	OK	AIR	Delhi (?): Cantonese s/on mixing w/CBC, WRTH has 9630. (Hauser)			
9912	1930	352	MA	AIR	Delhi: English music, news, comment. (Wirrell 4/5)			
11725	1010	333	HI	AIR	Delhi: English talk by YL on culture. (Capili 4/16)			
11740	2201	432	WI	AIR	(?): English news, comment, music after VOA s/off. (Zilmer)			
11810	1350	311	CA	AIR	Aligarh: Eng music under V. of Chile. (Cleveland 5/5)			
17387	0430	443	JAPAN	AIR	Delhi: Arabic music to 0431*. (Kiyomiya 4/29)			
<u>INDONESIA</u>								
3120	1325	141	CA	RPKD	Serang: Indonesian OM w/Indo mx, 1330 ID. (Snyder 4/21)	JAWA		
3205	1200	333	JAPAN	RRI	Bandung JAWA: Indo news and comment. (Kiyomiya 5/8)			
3223	1340	221	CA	RRI	Mataran L. SUNDAS: Indo native mx, pop mx, 1400 ID. (Cleveland)			
3294	1335	322	CA	RRI	Samarinda KALIMANTAN: Indo pop music. (Cleveland 5/5)			
3431	1345	321	CA	RPKD	Kediri JAWA: Indo OM w/talk and group singing. (Cleveland)			
3905	1038	231	CA	RRI	Palangkaraya KALIMANTAN: Indo OM w/slow music. (Snyder 4/21)			
3945	1259	232	OR	RRI	Denpasar L. SUNDAS: Indo "Love Ambon", ID, talk. (Bodell)			
	1347	321	CA	RRI	Denpasar: Indo pop music, QRM de ARDS. (Cleveland 5/8)			
3960	1301	222	OR	RRI	Padang SUMATRA: Indo talk, QRM de USSR. (Bodell 4/27)			
3965	1347	321	CA	RRI	Fontianak KALIMANTAN: Indo YL w/vocal mx. (Cleveland 5/1)			
4000	1342	332	CA	RRI	Kendari SULAWESI: Indo pop mx, time check, news. (Cleveland)			
4736	1346	311	CA	RRI	Jember JAWA: Indo OM w/Indo vocal mx, utility QRM. (Cleveland)			
4764TV	1112	242	OH	RRI	Medan SUMATRA: Indo OM/YL talk, Orchestra mx. (Miller 5/10)			
	1345	321	CA	RRI	Medan: Indonesian OM with talk. (Cleveland 5/7)			
4855	1327	333	JAPAN	RRI	Palembang SUMATRA: Indo pop music. (Kiyomiya 4/26)			
4871	1116	443	JAPAN	RRI	Sorong IRIAN JAYA: Indo news and folk music. (Kiyomiya 4/30)			
	1348	443	CA	RRI	Sorong: Indo pop mx. (Cleveland 4/30)			
4885	1458	322	JAPAN	RRI	Bukittinggi SUMATRA: Indo talk. (Kiyomiya 4/25)			
4900	1357	322	CA	RRI	Gorontalo SULAWESI: Indo YL w/pop mx, 1400 ID. (Cleveland 5/1)			
4927	1428	333	JAPAN	RRI	Jambi SUMATRA: Indo OM w/talk. (Junqua 5/3)			
5047	1340	433	CA	RRI	Yogyakarta JAWA: Indo OM w/talk, 1344 mx. (Cleveland 5/8)			
5265	1340	332	CA	RRI	Sibolga SUMATRA noted off listed 5260 w/pop mx. (Cleveland)			
7110	1257	433	CA	RRI	Yogyakarta JAWA: Indo OM talk. (Mercado 4/8)			
7161.86	1228	--3	OK	RRI	Jayapura IRIAN JAYA w/G-note het on VOA-Japan. (Hauser 4/12)			
11789M	0944	342	CA	V. of Indonesia, Jakarta	JAWA: Indo OM w/lively Indo mx. (Snyder)			
	1125	322	FL	VOI:	English news, comment, music, requesting reports. (Smith)			
	2345	242	CA	VOI:	English music. (Warren 5/3)			
<u>IRAN</u>								
9022	*1930	333	FL	V. of Iran:	French IS, ID, and news. (Crews 5/4)	TEHRAN-IRAN		
	2113	111	PA	VOI:	Farsi talks. (Baron 5/9)			
15084	various	342	USA	VOI	noted in Farsi at 0423 in OR by Bodell, at 1400 in PA by Earhart, at 1435* in WI by Talbot, and at 2029 in MS by Jones.			
<u>IRAQ</u>								
9745	1930	422	ECNA	R. Baghdad:	Eng news, comment, music noted by Wirrell MA, Miller OH, and Yajko PA.			
15400	1400	333	INDIA	RB:	Urdu chanting, talks, music to 1500*. (Sridhar 4/26)			
<u>ISRAEL</u>								
7395	2004	433	PA	IBA:	English news. (Yajko 4/19)			
9009	0415	333	FL	IBA:	French ID, news, and commentary. (Crews 5/5)			
9495	0358	444	NJ	IBA:	Hebrew nx, cmt, Israeli music. (Levin 5/4)			
	1808	343	JAPAN	IBA:	Spanish (Ladino ?) OM/YL nx, mx, into Mograbit - 1815 (Junqua)			
9815	*2000	433	PA	IBA:	English news. (Yajko 4/19)			
12025	various	343	--	IBA:	Eng programming noted at 0400 in OK by Hauser, at 1100 in INDIA by Sridhar, and at 2005 in PA by Earhart and Yajko. Hauser notes some transmitter trouble after 5/4 sked change.			
	2213	444	PA	IBA:	French nx // 7395, 9009. (Baron 5/9)			
15295	1810	--2	OK	IBA:	Russian pgm, ex-15300 // 15100, 15485, jammed, using only 7.5 kw, later moved to 15405 a few days into the season. (Hauser)			
15485	2000	443	WI	IBA:	English news on this new frequency. (Zilmer 5/4) Reported better than 12025 at this time by Hauser in OK.			
15535	2205*	--3	OK	IBA:	Hebrew H.S. Relay closing its sked which starts at 0700. 20 kw beamed to Central USA, QRM de KKN50 on 15537.5. (Hauser)			
<u>JAPAN</u>								
3910	1404	422	CA	FEN	Tokyo: English weather, ID, cl mx. (Cleveland 4/21)			
3925	1350	433	CA	NSB	Tokyo: Japanese YL talk, rock music, VLK3 QRM. (Cleveland)			
5990	*1000, 1250	433	USA	R. Japan:	Eng nx, cmt, DX pgm rptd by Beal, Capili, and Yajko.			

JAPAN (CONTINUED)

6055 0915 423 WA NSB Tokyo: Eng/Japanese interview of YL from Honolulu. (Beal 4/16)
 CA NSB Tokyo: Japanese ID, OM talk. (Cleveland 4/25)
 6155 1403 322 CA FEN Tokyo: English nx, wx, ID, into mx at 1405. (Cleveland 5/7)
 7165 1400 443 CA VOA Okinawa: English news, actually Special English. (Cleveland)
 9505 1700 333 CA RJ: English newscast. (Gaede 5/4)
 9585 1555 444 CA RJ: Japanese music program. (Gaede 4/23)
 9595 1045 443 WI NSB Tokyo: Eng with Japanese lessons. (Zilmer 4/30) Heard in
 Japanese at 1146 444 HI (Capili) and 1340 443 CA (Cleveland).
 1535-1615 333 WCNA NSB Tokyo: English "Tokyo Forum" w/YL/OM talk and music, rptd
 by Snyder CA, Beal WA, and Bodell OR.
 9675 1230 433 WI RJ: Eng pgm and freq sked to S.E. Asia. (Zilmer 4/27)
 11705 0935 343 CA RJ: Japanese comedy program. (Snyder 4/21)
 11750 0415 252 HI FEN Tokyo: Eng top albums of the week. (Grove 4/25)
 11815 1400 --3 OK RJ: Eng General Service // 9505. (Hauser 5/4)
 1500 444 CA RJ: English newscast. (Gaede 4/24)
 11840 1358 343 CA RJ: Indo OM ID, into Thai at 1400 w/YL. (Snyder 4/21)
 15105 0500 333 CA RJ: English news, QRM de NZBC on 15110. (Gaede 5/7)
 2303 222 TX RJ: Eng nx. (Quiroz 4/29)
 2325 343 PA RJ: Eng comment. (Yajko 4/28)
 15270 2345 323 MA RJ: Eng news, music, talk. (Witrell 4/26)
 15300 0012 333 PA RJ: Eng news, ID, comments // 15270. (Earhart 4/18, Baron 5/10)
 15310 0412 --3 OK RJ: Eng G.S. ex-9585, to Europe // 15105. (Hauser 5/5)
 17880 *0500 343 HI RJ: Eng news. (Capili 5/2)

KHMER REPUBLIC

4907V 1030 222 HI RNK: U/lang w/chants, music, nx (?). (Trubee 4/16)
 1345 432 CA VNUFK (?): U/lang Oriental mx. (Cleveland 4/22)
 1400 222 JAPAN VNUFK (?): Khmer programming. (Kiyoniya)
 6090T 1400 222 CA VNUFK (?): French time pips, news, possible jamming. (Bixby 4/25)

KOREA, D. P. R.

2850 1345 422 CA KCBS: Korean YL with talk. (Cleveland 4/23)
 3032 1010 141 CA R. Pyongyang: Japanese with a soft-voiced YL w/a story. (Snyder)
 4273 1320 343 CA KCBS Kanggye: Korean OM with talk and music. (Dawson 4/11)
 9370 1308 243 CA RP: English OM and YL talks. (Mercado 4/15)
 1350* 422 MN RP: Eng w/short talks by OM and YL, hvy QRM. (Miklejewski 4/17)
 Noted in CA at 433 by Cleveland and 454 by Dawson.
 9977 *1800 353 HI RP: English news, music program. (Grove 4/24)
 11350 0342 333 CA KCBS: Korean H.S. w/Oriental mx and OM talk. (Gaede 4/30)
 11535 0915 222 WA RP: U/lang talk mentioning Pyongyang. (Beal 4/29)
 1026 232 HI RP: English political comment by YL, ms. (Capili 4/16)
 1230 422 WI RP: U/lang announcements. (Zilmer 5/3)
 12070 0420 --3 OK RP: Spanish talk on Korea, 0433 mx, 0434 ID // 11535. (Hauser 5/5).

KOREA, REPUBLIC OF

9640 various 333 USA R. Korea: English noted by Gaede CA at 0630 signing on to WCNA,
 at 1100 by Zilmer WI, 1120 by Capili HI, and 0900 by Beal WA.
 *1230 --3 OK RK: Japanese ID, IS, and opening program. (Hauser 5/11)
 15335 *0500 443 HI RK: Eng nx of the week, replacing 11925. (Grove 5/4)
 15360 0514 242 CA RK: English commentary, ID, mailbag. (Bixby 5/4)

KUWAIT

6025T 0435 413 MA R. Kuwait: Arabic Islamic readings and Arabian mx. (Smith 4/27)
 9540 *1500 444 INDIA RK: Urdu chanting, press report, film music. (Sridhar 4/27)
 9555 *1700 343 HI RK: English pops mx, nx at 1730. (Grove 4/22)
 11940 1732 322 OH RK: English news by YL, into jazz at 1745. (Miller 4/20)
 1745 242 HI RK: Eng nx, wx, pop music. (Grove 5/4)
 21685 1255 443 JAPAN RK: Arabic YL w/cl mx, 1300 nx, Arabic mx at 1305. (Junqua 5/3)

LEBANON

9525 0232 432 PA R. Lebanon: Eng OM ID, YL w/pop music, 0258*. (Earhart 5/2)
 0305 222 PA RL: Spanish news and talks. (Baron 5/10)

MALAYSIA

6025 1428 343 CA R. Malaysia, Kuala Lumpur: Malay ID, into Chinese. (Snyder 4/21)
 7180 1028 433 PA BBC Tebrau: Chinese to 1030, Big Ben, into Indo. (Earhart 4/27)
 9740 1110 343 HI BBC Tebrau: Eng talks with U.S. senator. (Capili 4/16)
 1530 222 WA BBC Tebrau: Eng with WWII melodies. (Beal 4/15)
 1600 353 HI BBC Tebrau: Eng world news, commentary. (Grove 4/25)
 15310 1530 333 WI BBC Tebrau: English classical music, 1600 nx. (Talbot 5/4)
 1608 212 PA BBC Tebrau: English World Service news. (Baron 5/10)

BBCMALDIVES

4740 1500 222 INDIA R. Maldives: English news by YL, CW QRM. (Sridhar 4/26)

PAKISTAN

4735 1320 232 OR R. Pakistan Peshawar: U/lang w/Pakistani music. (Bodell 4/27)
 4835 *1700 342 HI RP Islamabad: Eng news, comment, pop music. (Grove 5/4)
 11672 1300 432 WI RP (?): English news, comment, music. (Zilmer 4/20)
 17830 0430 252 HI RP Islamabad: English slow speed news. (Grove 4/22)

PHILIPPINES

3286 1347 433 JAPAN PBS: U/lang OM w/religious talk and music, 1400 nx. (Junqua 5/3)
 7225 1305 444 CA FEBC: Indonesian YL and OM talks, music. (Mercado)
 9580 0700 353 HI VOP: Eng pgm summary, news at 0713. (Grove 4/29)
 0804 333 CA VOP: Tagalog business report, ID. (Zink 4/16)
 0915 222 CA VOP: Eng ID, into U/Oriental lang. (Gaede 4/24)
 1545 232 NM VOP: Eng news, music, mailbag. (Thompson 5/1)
 11855 1159 333 HI FEBC: Tagalog talks by OM, ID. (Capili 5/1)
 15290 0010 252 PA VOA Tinang: English news, Vietnam surrender news. (Vecchiola 5/1)
 2215 322 WI VOA Tinang: Eng Breakfast Show. (Talbot 4/18)
 2313 333 PA VOA Tinang: English news of Vietnam. (Baron 5/9)
 15440 1445 343 INDIA FEBC: English Listeners' Letter Box "SW Mail Bag". (Sridhar 4/24)
 2330 433 TN FEBC: English news. (The Kelly's 4/1)
 17810 0330 252 HI FEBC: English world news, SW Mail Bag. (Grove 4/22)

MANILA CALLING

febcSABAH

4970 1352 343 CA R. Malaysia Kota Kinabalu: Malay OM/YL talk, 1359 ID. (Cleveland)

SARAWAK

4950 *1400 332 CA R. Malaysia Sarawak (Kuching): Eng world news. (Cleveland 4/21)
 1415 342 HI RMS: English short story, news at 1430. (Grove 4/25)
 1530 443 JAPAN RMS: Eng country and western music to 1600*. (Koizumi 4/26)

SAUDI ARABIA

7110T 2300* 333 PA BSKSA: Arabic chanting, brief anmt, anthem. (Vecchiola 4/20)
 11865 *0500 343 OR BSKSA: Turkish IS, anthem, opening anmts. (Bodell 5/13)

SINGAPORE

5052 1402 333 CA R. Singapore: English radio drama. (Cleveland 4/23)
 11940 1445 353 HI RS: English Sports Page. (Grove 4/25)

SRI LANKA

7125 0448 322 HI VOA Colombo: English Breakfast Show. (Trubee 5/4)
 11725 1306 242 CA SLBC: Eng OM nx, YL w/"R. Ceylon" ID, pgm sked. (Snyder 4/21)
 11800 1415 322 MN SLBC: Hindi w/continuous music, Eng ID, more mx. (Miklejewski)
 15425 0030 443 WI SLBC: Eng mx, 0100 time given as 0630 local. (Zilmer 4/29)
 15445 0135 343 PA SLBC: English religious program. (Yajko 4/30)

SYRIA

9585 0335 342 PA R. Damascus: Arabic songs by OM and YL's. (Earhart 5/2)
 0340 222 OR RD: Arabic Koran readings, talks. (Bodell 5/13)

TURKEY

9515 ---- --- USA V. of Turkey: English news, Koran readings, music, and talks heard at various times including 0025 544 PA (Yajko), 0100 434 MI (Brooker), 0100 331 IL (Mosman), 2200 433 WI (Zilmer), 2218 443 PA (Earhart), 2224 211 TX (Quiroz), and 2330 444 PA (Vecchiola).
 11880 1615 343 CA VOT: Turkish YL with native music. (Snyder 4/15)
 1053 342 PA VOT: Turkish with songs by OM, string accompaniment. (Earhart)
 2200 544 MA VOT: English news, music, talk. (Wirrell 4/27)
 2212 313 PA VOT: Eng news, QRM de R. Seis. (Baron 5/9)

UNION OF SOVIET SOCIALIST REPUBLICSArmenian SSR

11690 0330 242 PA Yerevan with talks in u/lang, Russian ballad. (Earhart) Also reported as Nikolayevsk, Khabarovsk, and Petropavlovsk-Kamchatskiy.

Asiatic RSFSR

4104 1025 231 CA R. Stn. Peace and Progress: Russian light music, 1030 IS, YL talk. Didn't sound like a feeder, utility QRM. (Snyder 4/21)
 5015 1356 443 CA Vladivostok with Russian vocal music, YL host. (Cleveland 4/24)
 9375 0600 454 CA Khabarovsk in Russian with orchestra music. (Dawson 4/18)
 9600 1917 343 OK Presumed FE site with FE version of Moscow Pgm one // 12010, classical music, Russian announcer. (Hauser 5/18)
 11690 0710 333 HI R. Moscow Nikolayevsk-on-Amur: English talk on detente. (Capili)
 11970 0217 --- OK R. Moscow: English from a likely FE site // 12050. (Hauser 5/4)
 12010 1203 333 HI RM Chinese Service with YL talks and ID. (Capili 5/1)
 12240 0525 333 CA Magadan (WRTH) with Russian classical music, seemed to increase power at 0550. (Gaede 5/7)

Asiatic RSFSR

15130 0350 333 CA RM Vladivostok: English mx followed by sked, 0400 nx. (Gaede 5/2)
 15180 0013 222 PA RM Petropavlovsk-Kamchatskiy; English news. (Yajko 4/23)
 15245 0232 444 CA RM (site unknown); English newscast, talks on May Day. (Gaede)
 0415 --- OK RM: English N.A. Srvc // 15180, 15210, 15130, and 15100. (Hauser)

Kazakh SSR

5035 1315 141 CA Alma Ata in Kazakh w/YL and OM talk, 1327 IS. (Snyder 4/17)
 7110T 2330 433 PA RM Alma Ata: English pgm on WWII. (Vecchiola 4/20)

Kirghiz SSR

6080 1459 241 CA RM Frunze: English YL w/typical RM programming. (Snyder 4/21)

Tadzhik SSR

4635 1318 222 OR Dushanbe with u/lang talk with YL announcer. (Bodell 4/27)

Uzbek SSR

9540 1213 232 MN R. Taskent: Eng talk, 1220 ID, native mx, anmts. (Miklejewski)
 9600 *1158 242 CA RT: English YL news, OM with feature programs. (Snyder 4/21)

VIETNAM, D. R.

10040 *1800 353 HI V. of Vietnam: English news, comments. (Grove 4/22)
 15012 1855* 333 OR VOV: English talk, Vietnamese music. (Bodell 4/27)
 1900 544 INDIA VOV: Eng transmission to Europe with music. (Sridhar 4/12)

VIETNAM (SOUTH)

4877 1350 433 WCNA VTVN: Vietnamese martial music including anthem with many repeated
 "Vietnam"s in chorus. Hrd on 4/22 by Cleveland CA, and on 4/29
 by Bodell OR.
 9620 0910 333 HI Revolutionary Government Radio: Vietnamese nx, martial mx from
 Ho Chi Minh City // 9755 (322). (Trubee 5/3)
 9755 1525 343 OR RGR: Viet talk by YL, then march music // 9620. (Bodell 5/14)

YEMEN, P. D. R.

7190 0315 313 MA DYBS: Arabic chanting and talks, QRM de VOA Tangier. (Smith 4/14)
 0322 422 PA DYBS: Arabic with typical music. (Earhart 4/27)

OCEANIA

AUSTRALIA

4665 0830 222 HI ABC Brisbane: English horse race results on new freq. (Trubee 5/3)
 4677 0900 243 CA R. Australia: English nx. (Dawson 4/13) Feeder??? Ideas, anyone??
 5995 1043 332 PA RA: Eng pop music w/Australian ratings. (Earhart 4/27)
 6005 1008 333 CA RA: Eng mx countdown pgm // 5995 (333). (Gaede 3/18)
 1303 333 PA RA: English news. (Yajko 4/20) Site is Lyndhurst.
 6140 1406 333 CA ABC Perth: English with classical music. (Cleveland 5/7)
 7220 1240 243 MI RA: English Asian Service. (Brooker 5/4)
 1330 222 MN RA: English with songs by Dennis Gibbons. (Miklejewski 4/19)
 9515 *1300 322 MN RA Shepparton: Japanese pop music program. (Miklejewski 4/14)
 1400* 332 WI RA Shepparton: Japanese talk, music to E. Asia. (Zilmer 4/20)
 9530 2200 422 WI RA Shepparton: Eng comment and music. (Zilmer 4/18)
 9570 *0645 333 FL RA Shepparton: Eng ID, time check, music pgm. (Crews 5/4)
 0822 333 CA RA Shepparton: Eng World of Music pgm. (Gaede 4/23)
 9680 0618 333 CA ABC Melbourne: English program of music. (Gaede 4/27)
 1250 433 MN ABC Melbourne: Eng "Dateline", ABC news, local nx. (Miklejewski)
 11740 1200 433 WI RA Shepparton: Eng nx to S.E. Asia. (Zilmer 4/20)
 11840 *1800 454 HI RA Shepparton: Eng nx, Churches of Australia. (Grove 5/3)
 11880 0830 232 HI ABC Melbourne: Eng S. Pacific news by OM, ID. (Capilli 4/16)
 15160 0322 242 PA RA Lyndhurst: Eng market reports, into music. (Earhart 5/1)
 15230 0400 --- OK ABC Melbourne: Eng sports news, QRM de RHC. (Hauser 5/5)
 0450 333 HI ABC Melbourne: Eng horse race results by OM, ID. (Capilli 4/25)
 0758 444 JAPAN ABC Melbourne: Eng OM ID as "ABC Radio Two", cl mx. (Junqua 4/20)
 15240 0600 353 HI RA Lyndhurst: English nx, Your Concert Choice. (Grove 5/4)
 15395 0830 444 INDIA RA Shepparton: English sports highlights. (Sridhar 4/25)
 2300 232 WI RA Shepparton: Eng news. (Zilmer 4/28)
 15425 0730 343 HI ABC Perth: English soccer game, ID. (Capilli 5/3)
 17740 0200 343 HI RA Shepparton: Eng "Kindergarten of the Air". (Trubee 4/24)
 17870 0230 353 HI RA Shepparton: Eng nx, reports. (Grove 4/22)

NEW CALEDONIA

7170 0730-1057 342 USA R. Noumea: French music, sports news, closing annts heard by
 Beal WA, Zink CA, and Miller OH.
 11710 0700 343 JAPAN RN: French musical request show. (Koizumi 4/27)

LET ME ADD MY ENCOURAGEMENT FOR ALL FULL MEMBERS TO VOTE IN THE UPCOMING ELECTION!!!!

NEW ZEALAND

9520 1135 422 WI NZBC: English music up to 1143*. (Zilmer 4/28)
 9540 *0600 333 FL NZBC: Eng IS, ID, time check, OM news. (Crews 5/4)
 0647 444 CA NZBC: Eng w/Roger Whitaker music. (Gaede 4/27)
 9755 1730 252 HI NZBC: English wx rpt, music program. (Grove 4/30)
 15110 2320-0555 333 USA NZBC: Eng nx, ID, music, drama, mail box rcvd by Capili HI, Quiroz TX, Thompson NM, Gaede CA, Zink CA, and Warren CA.
 15280 0313 --- OK NZBC: Eng pgms weaker than // 15110. Not on 17900. (Hauser 5/4)
 0329 242 OH NZBC: English U.S. mx, some comedy records. (Miller 5/11)

PAPUA NEW GUINEA

2340 1236 242 JAPAN R. West New Britain: Pidgin (?) pop music. (Koizumi 5/8)
 2410 1305* 232 OR R. Goroka: U/lang music, s/off with anthem. (Bodell 4/20)
 2428 1304* 232 OR R. New Ireland: U/lang s/off with island music. (Bodell 4/20)
 2450 1306* 242 OR R. West. Highlands: Eng meditation, nx, s/off w/GSTQ. (Bodell 4/20)
 2468 1237* 242 OR R. Northern District: U/lang talk, mx, s/off. (Bodell 4/20)
 3385 1124 342 OH R. East New Britain: Pidgin South Sea music. (Miller 4/19)
 4680 0820 242 HI PNGBC: Eng discussion on environment by OM/YL. (Trubee 5/3)
 4890 0750-1350 433 USA PNGBC: Eng music, news, ID's, etc reported by Crews FL, Capili HI, Moor IL, Miklejewski MN, Thompson NM, Cleveland CA, and Bixby CA.
 9520 0530 444 HI PNGBC: English cl mx, news at 0600. (Grove 4/22)
 0720 444 HI PNGBC: English rock music, request program. (Capili 4/12)
 0725 333 FL PNGBC: English pop music, 0730 ID. (Crews 5/4)

SOLOMON ISLANDS

5015 0735 333 CA SIBS: Eng rock music and Pidgin church srvc at 0800. (Warren 5/4)
 5020 0818 332 CA SIBS: Pidgin/English OM news, wx, local talent show. (Snyder 5/9)

TAHITI

11825 0245, 0623 444 WCNA R. Tahiti: French w/island music, comments. (Thompson NM Gaede CA)
 0300-0350 443 WCNA RT: Tahitian talk, U.S. rock mx, island music. (MacCoy AZ, Cleveland CA, and Gaede CA)
 15170 0010-0520 333 USA RT: French/Tahitian rock music, talks, comments on Vietnam, ID's, and, of course, more of that island music enjoyed by Vecchiola PA, Quiroz TX, Thompson NM, Jones MS, Earhart PA, Zink CA, Crews FL, and Cleveland CA.
 1830-2218 333 USA RT: French pop music, Tahitian music, Eng news at 1900 noted by Baron PA, Grove HI, Capili HI, and Miklejewski NM.

CLANDESTINE

4115 1310 444 OR VRPR: Korean talk by OM. (Bodell 4/27)
 10010 1335 343 OR Liberation R.: Viet talk to 1357*, *1400 in French. (Bodell 4/30)
 1403 443 CA LR: French news by OM. (Cleveland 4/22)
 1530 333 CA LR: English news of Thieu's resignation. (Gaede 4/22)
 11830 0956 242 CA VMR: Eng YL talk, ID, and 1002*. (Snyder 4/21)
 1455 131 CA VMR: Eng YL comment, hrd daily to VOA s/on at 1523. (Bixby 5/6)

DATELINE

VIETNAM...Takaharu Kiyomiya of JAPAN sent along this survey of six frequencies monitored during the change of government in South Vietnam.

4/29	1400	<u>4877</u>	<u>7175</u>	<u>7415</u>	<u>7470</u>	<u>9620</u>	<u>10010</u>
		VTVN	VTVN	LR H.S.	LR F.S.	VTVN	LR F.S.
4/30	1400	---	LR H.S.	LR H.S.	LR F.S.	---	LR F.S.
5/1	1200	---	---	LR H.S.	LR F.S.	---	LR F.S.
5/2	1000	---	---	---	---	RGR 1000*	---
5/2	1200	---	RGR	LR H.S.	LR F.S.	---	LR F.S.
5/3	1300	---	RGR	LR H.S.	LR F.S.	RGR	LR F.S.
5/5	1000	---	---	///	///	RGR	///

LR - Liberation Radio --- - Nothing heard /// - Not checked RGR - Revolutionary Government Radio. Thanks for the extra effort, TK.

AUSTRALIA...It has been decided the new Western Australia RA relay will be at Carnarvon, recently vacated by the U.S. tracking station. (W.A. reporter to SCDX via Hauser)

HAWAII...The superpower (1000 kw) Billy Graham station is expected to be on the air in a few years. HCJB is providing technical assistance. (FINN DX via Hauser)

PORTLAND...Thanks for the support again this month. Excuse all the boo-boos in this issue and put them down as temporary insanity. Until next month, Gud DX, God Bless, and 73's, *ML*

QSL REPORTS



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



Verified countries -- 160

Deadline: 15th of month



I guess the hottest news this month is the weather. Winter was three months late, spring came on a Wednesday, I think, and now it's summer--102°F day before yesterday. That's too hot too early. Fortunately it is cooler today.

No one seemed too upset about my consolidation of some reports last month--at least I received only one comment re R. Moscow sites, and those I can include (when I have them) for what they're worth. On the debit side of the ledger, it appears that R. Ghana reporters are in for another round of pen pal and dun letters in lieu of QSLs; Yours truly received the former in response to two reports and Nancy Robinson has received a dun letter. Ditto Mike Hardester recently from LV de Nahuálá--I should say from an individual who intercepted a letter directed to LV de Nahuálá. (Mike also got the measles, but he picked those up on his own, hi!).

This month we add Burundi, Canary Islands, and Kenya to bring the country total to 160. And a couple of reports of CKFX Vancouver. With only 10 watts of power, this is a real tough one unless you are camped on their doorstep. Tell me Doug--did you earn this the hard way in San Jose or did you get it on your recent trip to Portland? Rather a light month for QSLs. Only 46 reporters and fewer reports. It doesn't seem quite natural not to have a hundred or more from R. Moscow and 30-40 each from R. Canada, R. Australia, HCBJ, et al. South Africa has picked up part of the slack, but not all. On to the loggings.

EUROPE

- AUSTRIA:** ORF, 6155, Burgenland cd w/data and sked in 55d, no rp (BROOKER MI); 15335, cd w/picture of Travensee, Salzkammergut, in 29d air, no rp (MIKLEJEWSKI MN)
- BULGARIA:** R. Sofia, 9700, f/d fountain cd in 22d, + 1ltr and sked, no rp (BOYCE WA)
- CYPRUS:** BBC Relay, 11925, usual Thames cd w/Cyprus typed in, in 24d air, no rp (PIMBLETT)
- CZECHOSLOVAKIA:** R. Prague, 5930, f/d photo cd of Prague street, 19d air, no rp, v/s Otto Adrian (KUBINSKY PA), f/d ruins of Trosky Castle cd + Monitor Club pennant and cert. in 48d air for 2 IRCs (VOGEL PA), black/white country landscape cd in 36d air for 1 IRC (WIRRELL MA), f/d Zizka Square cd in 1 mo, no rp (VOCKEROTH PA); 7345, f/d Snow Mountain cd in 34d air v/s Pavilovia (I have 3 different spellings on this. bc)(SMITH FL), 11990, f/d picture of Lake Mächa cd in 63d air, no rp (SMITH FL), f/d yellow building cd in 25d (VOCKEROTH PA), f/d national costume cd in 31d (YAJKO PA)
- DENMARK:** R. Denmark, 15165, f/d radiohouse aerial tower cd in 43d air, v/s Eileen Uberg (SCANNELL MA)
- FINLAND:** R. Finland, 9550, f/d Spring in Finland cd in 14d air, 2 IRCs (CLEVELAND CA); 15185, same in 17d for 2 IRCs (YAJKO PA), same in 23d for 1 IRC (WIRRELL MA)
- FRANCE:** R. France International, 15155, f/d orange ORTF cd + sked and 1ltr in FF, for FF rpt and 2 IRCs in 34d air (BEAL WA)(I'm not ignoring you Hobart--last months rpts were misdirected by the P.O. and arrived late--this months arrived today. bc); 15300, date/fqy orange cd w/small pictures (old ORTF cd? bc) in 19d air, no rp (PIMBLETT ALB), f/d green/red/blue station logo on light blue cd in 36-74d, for no rp (3 cds)(SMITH FL), 18500, same cd in 34d air for 2 IRCs (you sure about that fqy, Roger? bc)(BERNSTEIN GA); 21675, f/d ORTF cd in 142d sfc for 2 IRCs (THOMPSON NM)
- GERMANY (Federal Republic):** Deutsche Welle, 6040, f/d multicolored circle cd in 34d air for 2 IRCs v/s G. Thiele (THOMPSON NM); 6145, same in 44d for 1 IRC (BARON PA); 9545, f/d cartoon cd of soccer players in 6 mo sfc, no rp v/s S. Mele (CAPILL HI). Here we go again--will the real G. Thiele and the real S. Mele please stand up--side by side. bc
- GREAT BRITAIN:** BBC, 9410, usual Thames cd in 29d air for 2 IRCs (VOGEL PA); 9550, same cd in 21d for MS (BOYCE WA)
- VOA, 9760, A NEW CARD--WHOOPEE! Kennedy Center/Perf. Arts in 10d (TALBOT WI)
- HOLLAND:** R. Nederland, 6165, antenna and church tower cds (4) in 12-110d for no rp, by air (TESTA'S MA); 9715, f/d reproduction showing Westerkerk Church Tower (second in series of four) in 13d air for 3 IRCs (VOGEL PA); 11730, same cd in 22d air, no rp (BEAL WA), no fqy, windmill and Noorderdierenpark cds in 12-41d for monitoring (SCANNELL MA)
- HUNGARY:** R. Budapest, 6000, f/d building cd in 63d air, no rp (FAMULARO NJ); 6025, same in 31d air for 2 IRCs (VOGEL PA)
- ITALY:** RAI, 9575, cd w/reproduction of Il Settecento Italiano, in 40d sfc for 2 IRCs (BEAL WA)

MALTA: Deutsche Welle Relay, 6100, f/d multicolored design cd in 30d air for no rp (RADTKE CA), same in 1 mo for 2 IRCs (VOKES TX)
 RCI Relay, 6100, f/d 1974 World Cycling Championships cd in 31d, no rp (SCANNELL MA)
PORTUGAL: R. Portugal, 6025, f/d map cd in 1 mo, no rp (VOCKEROTH PA)
ROMANIA: R. Bucharest, 5990, f/d studio cd + sked, stamps, stickers in 2 mo, no rp (VOCKEROTH PA); 9530, cd w/black/white picture of Bucharest, in 3 mo air, for no rp (WARREN CA)
SPAIN: RNE, 6065, f/d antenna cd in 68d sfc, no rp (ROBINSON AL), same in 61d sfc for 1 IRC (YAJKO PA)
SWEDEN: R. Sweden, 9720, f/d 50th anniversary cd in 40d, no rp (CLEVELAND CA)
SWITZERLAND: SBC, 6120, f/d cd "Service Suisse des Ondes Courtes" in 6 wks for no rp (VOCKEROTH PA); 6165, f/d cd "The Julian New Year's Eve in Urnasch in Canton Appenzell" 39d sfc, no rp (VOGEL PA); 11775, 17830, date/fqy cds "Julian New Year's" etc. and woman's headdress in 57d sfc, no rp (DURANT THAI)
USSR:
 Byelorussian SSR: R. Moscow, 7105, site Orsha, f/d green, white, red design cd and pennant in 41d (BARON PA)
 Lithuanian SSR: R. Vilnius, 5910, f/d brown and white cd w/pot of flowers, 56d air, (SCANNELL MA); 7320, f/d cd w/drawing in 5 mo for 2 IRCs (VOKES TX)
 RSFSR (European): R. Moscow, no sites, 7100, 7150, 7160, 7200, 7350, 7400, 12050, f/d cds--SSR flags in 51d (SMITH FL), Grand Kremlin Palace in 30-32d (SMITH FL)(YAJKO PA), blue and white cd in 5 wks (VOCKEROTH PA), View of Kremlin from Moscow River (ZINK CA) (BROOKER MI)(THOMPSON NM)(VOGEL PA)
 R. Peace and Progress, 11950, f/d purple station cd in 87d air (SCANNELL MA)
 Ukrainian SSR: R. Kiev, 7400, f/d map cd in 40d air (SMITH FL); 11990, f/d red/blue circles cd in 117d air (SMITH FL); 15180, same cds in 46d and 5 mo (BEAL WA)
 R. Moscow, 7160, site Kiev, f/d Sputnik Memorial cd in 34d air (SMITH FL)
VATICAN STATE: Vatican R., 6165, f/d cd, Gallery-The Transfiguration-Detail, in 31d air for 2 IRCs (BERNSTEIN GA)

AFRICA

ANGOLA: Voz do Zaire, 4885, f/d plain cd w/blue address, for 2 IRCs and NASWA PP rpt; also rcvd PFC back (WICKETT MD). Both cds pictured below. bc

EMISSORA «VOZ DO ZAIRE»

APARTADO 33 TELEFONE 80
S. SALVADOR-ANGOLA

CARTÃO DE VERIFICAÇÃO

A Emissora "Voz do Zaire" agradece e verifica o relato de escuta referente à emissão transmitida no dia 8 de Março de 1975, entre as 0627 até às 0649 - hora de Angola - na frequência de 4885 Khz, na banda dos 61 metros, enviado por Mr. Robert Wickett 2204 Hyde Lane - E.U.A.

Cartao de Verificacao

Sr. Robert Wickett
 2204 Hyde Lane
 Bowie, MD 20716
 Estados Unidos da America

Data 6-4-75

Potencia 5 L W

Antena na torre

Estacao: Emissora Regional--
 A Voz do Zaire
 Freqencia: 4885 quilociclos
 Hora: 0627 ate 0649, horario de Angola

Confirmando o bom funcionamento da rececao

Director da Emissora ANGOLA

(Estacao stampou ou selo)



ASCENSION ISLAND: BBC Relay, 9510, "Houses of Parliament" cd in 66d air for 1 IRC (HOWELL BC)

BURUNDI: R. Cordac, Bujumbura, 4900, f/d map cd in 84d air for 1 IRC, v/s LeRoy Little, (MAYER IL)

CANARY ISLANDS: RNE, 11800, usual f/d cd in 38d air, no rp, EE rpt on SPEEDX form (WICKETT MD)

CENTRAL AFRICAN REPUBLIC: Rdif. Nationale Centrafricaine, 5035, f/d form ltr (said out of cds) in 65d for 2 IRCs (BARON PA)

EGYPT (Arab Republic): R. Cairo, 9475, f/d color photo of Karnak Temple at Luxor, in 92d air for no rp (SMITH FL); 9805, f/d Karnak Temple cd in 108d air, no rp (SMITH FL), f/d cd, 1st serial, 2nd scene in 4 mo, no rp (TALBOT WI), f/d cd 1st serial, 5th scene in 71d air, no rp (YAJKO PA); 17920, f/d color photo of Alexandria in 50d air, no rp (SMITH FL)

ETHIOPIA: ETLF, 7165, f/d blue ETLF cd in 121d air for 2 IRCs, v/s Mrs. Eliane Mboodwan (THOMPSON NM)

IVORY COAST: R. Abidjan, 11920, f/d black and white map and antenna cd in 18d sfc for 2 IRCs + friendly note asking for reports (VECCHIOLA PA)

KENYA: Voice of Kenya, 4915, f/d aerogram reply in 101d air for 1 IRC (MAYER IL)

MALAGASY (Republic): R. Nederland Relay, 11730, f/d Madagascar antenna farm cd in 21d air for 3 IRCs (CREWS FL), Westerkerk Church Tower cd in 41d air, no rp (SCANNELL MA); 11740, Westerkerk Church cd + photo cd of EE Section Staff in 20d air, no rp (DuRANT THAI); 15120, Westerkerk Church cd in 12d air, no rp (SCANNELL MA), same in 11d air for 1 IRC (QUIROZ TX), Tom Meyer and Harry Van Gelder cd in 38d, 1 IRC (KELLY'S TN)

MAURITANIA: Rdif. Nationale de Mauritanie, 4845, f/d Afro map cd in 92d sfc for 1 IRC (BARON PA)

MOZAMBIQUE: R. Clube de Mocambique, 3265, f/d cd in 3 wks for 2 IRCs, v/s H. Seguirea (VOKES TX); 4895, f/d studio cd in 28d air for 1 IRC, EE rpt (WICKETT MD); 11780, same in 40d for 1 IRC, v/s H. Lequeira (BARON PA) (I looked at my 3 RGM cds and I can't tell what the spelling is, either! bc)

NIGERIA: V. of Nigeria, 6145, 7275, usual cds in 15d, no rp, f/d + skeds (WICKETT MD)

RWANDA: Deutsche Welle Relay, 7225, usual f/d yellow/blue Africa map cd in 52d air for no rp (PIMBLETT ALB), same in 3 wks for 2 IRCs (VOKES TX); 17765, same cd in 28d air for no rp (SMITH FL). Three cds, 3 v/s signatures--take your pick among G. Thiele, S. Mele, and T. Mele. bc

SAHARA (Spanish): R. Sahara, 11805, date/fqy plain cd in 3 wks air (WICKETT MD) Bob, I didn't see a report for this, but wanted to include your copy as an illustration this month, so took the liberty of making up the above report from the data on your QSL. Illustration on the next page--it's a large one. bc

SEYCHELLES: FEBA, 11740, cd, sked in 18d air for 2 IRCs (WICKETT MD)

SIERRA LEONE: Sierra Leone Broadcasting Service, 5980, f/d form ltr in 24d air for 3 IRCs (CREWS FL)

SOUTH AFRICA: RSA, 5980, f/d flamingo cd in 19d air for 2 IRCs (THOMPSON NM); 9525, same in 18d air for 2 IRCs (THOMPSON NM); 11900, same in 20d air for 2 IRCs (YAJKO PA); 21535, same in 21d air for no rp (SMITH FL), f/d globe cd w/Voice of S. Africa in 81d sfc for no rp (SMITH FL)

SABC, 3250, f/d industries cd + green/yellow pennant, in 75d sfc, no rp, v/s H.J.DeBruin (SMITH FL), industries cd in 14d air for 1 IRC (WIRRELL MA); 4810, f/d industries cd in 20d air for 1 IRC (BIXBY CA), same in 53d for 1 IRC (ROBINSON AL), same, 50d for no rp (MERCADO CA), same in 55d for 1 IRC (WIRRELL MA), same + pennant in 22d for 2 IRCs (CLEVELAND CA) and in 64d after f/up (BARON PA); 4835, industries cd in 20d air for 1 IRC (BIXBY CA)

SWAZILAND: Swazi Musicradio, 4980, f/d ltr in 14-23d air for 1-2 IRCs, v/s J. Tomlinson xcpt for Jim Whitehead's v/s Stan Cobbl. Also Jim's was handwritten. (TRUBEE HI) (THOMPSON NM)(BARON PA)(WHITEHEAD MA)

TWR, 6075, f/d folder cd w/native and antenna, 17d, no rp (WICKETT MD)

TOGO: Rdif. du Togo, 5047, colored globe cd w/full data in 4½ mo sfc for 2 IRCs and FF rpt (VECCHIOLA PA), same in 29d air for 3 IRCs and EE rpt (CREWS FL)

TUNISIA: Rdif. Television Tunisienne, 6195, f/d cd w/"wax figures in desert" in 16d for 2 IRCs and EE rpt (WICKETT MD)

ASIA

BRUNEI: R. Brunei, 7215, f/d mosque and map cd in 20d air for no rp, v/s N.J.A.Frigout, Chief Engr. (MERCADO CA)

CHINA (People's Republic): R. Peking, 11865, f/d cd, painting of Red Flag Canal (in traditional Chinese style), in 17d air for no rp (SMITH FL)

INDIA: AIR, 11620, f/d "Tiger" cd + sked in 21d air for 1 IRC (WICKETT MD)

Any father who thinks he's all important should remind himself that this country honors fathers only one day a year, while pickles get a whole week.



RADIO TELEVISION DE SAHARA

E.A.J. 202-203 RADIO SAHARA

Calle A. Alluante, 1 (Apartado 106)

Teléfonos 22 33 63 y 22 33 64

AAJUN (Sahara español) ESPAÑA

DATOS TECNICOS

CENTRO EMISOR DE AAJUN (E.A.J. 203)
MW 666 KILOHERCIOS (equivalentes a 665.3 m.)
S.W. 11.805 KILOHERCIOS (equivalentes a 25 m.)

Centro emisor de Villa Cisneros (E.A.J. 202)
MW 568 KILOHERCIOS (equivalentes a 300 m.)

Thanks to
Bob
Wickett

Sr. ROBERTO WICKETT

Fecha. 10. 04. 1975
F/ 11805. kHz - 25.0 m.

Distinguido señor: Ha llegado a nuestro poder su control de recepción correspondiente al día 22/03/75 que mucho agradecemos. Nos es grato hacerle, en relación con el mismo, los siguientes comentarios:

son exactos todos los datos

Esperando recibir más noticias suyas en el futuro, le saluda atentamente.

Fdo. Pablo I. de Salazar DIRECTOR

INDONESIA: RRI Banjarmasin, 3250, very nice Indo ltr of confirmation w/date only, in 22d air for MS and Indo rpt. Ltr expresses hopes for standardization of Indo spelling and includes a short spelling lesson! Guess they don't care for the old style of the NASWA form. v/s Andi Njongki BA (CLEVELAND CA) Spelling lesson below. bc

Mungkin ada baiknya saudara ketahui bahwa sudah beberapa tahun, tulisan - dalam bahasa Indonesia mendapat perubahan ejaan, yaitu :
tj diganti dengan c (contoh : tjuma, ejaan lama - cuma, ejaan baru) ;
dj diganti dengan j (djanjji - janji) ; j diganti dengan y (saja - saya) ;
ch diganti dengan kh (achir - akhir).

RRI Medan, 4265, f/d studio cd and ltr in 25d air for 2 IRCs; rcvd by registered mail v/s Anwar Sr (THOMPSON NM), same in 118d registered air for MS (MAYER IL). Sorry-- Thompson sent his report in English while Mayer sent in an Indo report.

IRAN: Voice of Iran, 9022, f/d cd of TV Production and Transmission Center, Tabriz, received in 64d by air for no rp and EE rpt (VOGEL PA), same in 48d air for no rp + pennant (ANDERSON NY)

The man who thinks he knows it all is a pain in the neck to those of us who really do...

IRAQ: R. Baghdad, 9745, f/d color cd w/map of Iraq, photo of bridge and Iraqi flag, in 93d air for 3 IRCs (SNYDER CA), same in 78d for no rp (SCANNELL MA), same in 3 mo for 1 IRC (TALBOT WI). Thanks to Larry Talbot for the illustration.

ISRAEL: IBA, 6170, f/d Knesseth Menorah cd in 68d air for 1 IRC (WIRRELL MA); 7395, same in 65d air for no rp (TESTA'S MA); 9009, same in 67d air for no rp (FAMULARO NJ); 9495, same in 62d air for no rp and Hebrew rpt (LEVIN NY)

JAPAN: NHK (Domestic relay, Sendai), 6190, time/fqy ltr w/confirmation statement only, no rp and EE rpt (SNYDER CA)

R. Japan (NHK), 9505, f/d cd w/doll modelled after a court lady of the Middle Ages playing the "Koto", in 11d air, no rp (THOMPSON NM), same in 15d, no rp (MIKLEJEWSKI MN), same in 8d, no rp (HARDING CA); 15270, same cd in 13d, no rp (WIRRELL MA)(SCANNELL MA); 15300, same in 14d, no rp (YAJKO PA)

FEN, 3910, f/d blue/white FEN cd in 61d air, no rp (MERCADO CA)

JORDAN: R. Jordan, 9560, f/d multi-colored cd w/scenes from Petra, Dead Sea, Jerash, in 15d air, no rp, v/s Jo Jgalyo (SCANNELL MA)

KOREA (Democratic People's Republic): R. Pyongyang, 15630, f/d cd w/picture of thatched roof building + color booklet "Historic Place of Revolution" in 40d air, no rp (after my 5th try) (CLEVELAND CA)

KUWAIT: R. Kuwait, 11940, folder cd w/description of country and history of R. Kuwait, in 52d air, no rp (MIKLEJEWSKI MN)

PAKISTAN: R. Pakistan, 11672, form ltr w/data typed in in 2 mo for 2 IRCs, v/s M. Sarwar Shaikh (VOKES TX), f/d color cd showing Shalimar Gardens/Lahore in 18d for 3 IRCs (SNYDER CA); 17665, same cd w/wrong fqy in 34d, 3 IRCs (BROOKER MI)

PHILIPPINES: PBS, 6170, date/fqy ltr in 18d air for 1 IRC TRUBEE HI)

VOP, 9580, f/d pink VOP cd in 113d sfc for 2 IRCs, v/s Ernesto G. Madrid. Also rcvd sked and questionnaire (THOMPSON NM)

VOA, 15290, Kennedy Center cd in 7d (TALBOT WI), Capitol cd, site + full data! in 7d (VECCHIOLA PA)

RHODES: VOA, 6015, Capitol cd in 6d, v/s W.E.Dulin (BARON PA); 7110, Kennedy Center cd in 10d, v/s Monica Vall (RADTKE CA)

SARAWAK: R. Malaysia Sarawak, 5030, f/d picture cd of RMS bldg in 19d for 1 IRC (BIXBY CA)

SINGAPORE: R. Singapore, 5052, f/d color cd "Singapore by night" in 17d air for 2 IRCs (THOMPSON NM), f/d cd "A Singapore Housing & Dev. Board Neighbourhood" in 17d for 1 IRC (BIXBY CA); 11940, "Singapore by night" cd in 20d air for 2 IRCs (THOMPSON NM), same in 17d air for 2 IRCs (PIMBLETT ALB)

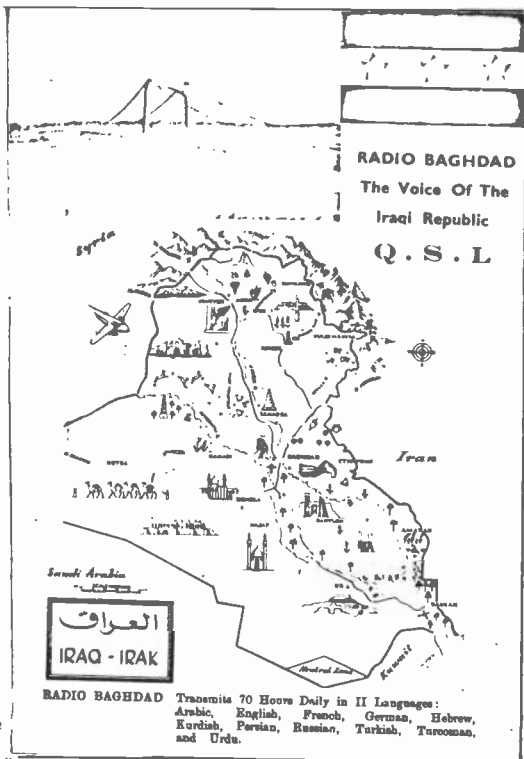
TURKEY: Voice of Turkey (TRT), 9515, f/d cd w/picture of Bosphorus Bridge joining Asia and Europe, in 15d air for 2 IRCs (VOGEL PA), same in 20d for 2 IRCs (QUIROZ NY), same + pennant (ANDERSON NY); 11880, f/d Bosphorus Bridge cd in 28d for 1 IRC + program sked (ROBINSON AL), cd w/date and xmsn only w/ picture of Nasraddin Hodja, master of Turkish humor, in 90d sfc for 1 IRC (BIXBY CA)

VIETNAM (Democratic Republic): Voice of Vietnam, 10040, f/d black and white cd in 131d sfc for 1 IRC; also sent newspapers and magazine (BIXBY CA)

USSR (Sorry--out of order)

Armenian SSR: R. Yerevan, 11690, small, f/d plain white cd in 90d sfc, no rp, rec'd by registered mail w/sked (RADTKE CA)

RSFSR (Asiatic): R. Moscow, 7115, site Khabarovsk, 7150 (Sverdlovsk), 7260 (Vladivostok) 9540, (Petropavlovsk-Kamchatsky), 9580, (Blagoveschensk), 9780, (Nikolayevsk-on-Amur), 15180 (no site), 17720 (Petropavlovsk-Kamchatsky), f/d cds--View of Kremlin from Moscow River (SNYDER CA)(SMITH FL), Moskva River (WIRRELL MA), Kremlin (BOYCE WA), Grand Kremlin Palace (HARDING CA), tall city buildings (HARDING CA), 3 cds w/no descriptions (TRUBEE HI)



OCEANIA

AUSTRALIA: R. Australia (f/d cds, v/s Peter Homfray), 6005, 9570, 9580, 9770, 15160, 15240, 15320 in 15-42d air for 1-2 IRCs, 73-117d sfc for no rp. Cds included "Nocturnal Sugar Glider" (KELLY'S TN)(BROOKER MI), Surf lifesaving boat (BROOKER MI)(DURANT THAI) (THOMPSON NM)(VOGEL PA)(HOWELL BC)(GAEDE CA), Ballarat Historical Park (YAJKO PA)(GAEDE) Stage coach (SCANNELL MA), kangaroo (GAEDE CA), radio telescope (GAEDE)

NEW ZEALAND: R. New Zealand, 9540, map cd in 20d for MS (BOYCE WA), f/d cd of fisherman landing fish, in 57d for 1 IRC (WIRRELL MA); 15110, f/d ltr + flower pc and sked in 44d air for 2 IRCs (BEAL WA)

PAPUA NEW GUINEA: R. Madang, 3260, f/d updated PNG folder cd, 21d air for 1 IRC (MAYER IL)

NBC, Port Moresby, 4890, f/d form ltr in 357d for 3 IRCs + apologies for delay, v/s Allen Hull (CLEVELAND CA)

NBC, Port Moresby, 9520, f/d form ltr in 1 mo for 3 IRCs (VOKES TX), same in 26d for 2 IRCs (CAPILI HI)

TAHITI: R. Tahiti, 11825, f/d blue, "thumbs up" cartoon cd in 27d for 2 IRCs and FF/EE rpt (THOMPSON NM), same in 14d for MS (BOYCE WA); 15170, same cd in 15d for 1 IRC (BLXBY CA), and in 25d for 3 IRCs (HOWELL BC)



S. AMERICA

BRAZIL: R. Tabajara, João Pessoa, 4795, ltr in 13d air for 2 IRCs + pennant, v/s Carlos Oliveria (BAKER IL)

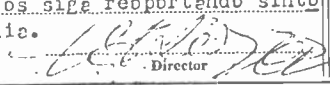
COLOMBIA: R. Sutatenza, 5095, f/d folder cd w/xmtr picture in 4 mo air for 2 IRCs and SS rpt (BEAL WA), same in 120d sfc for EE rpt (BEAL WA)

R. Super, Bogota, 6065, f/d form ltr in 60d air for 2 IRCs and SS rpt (BEAL WA), f/d black/white cd w/Bogota info in 18d for 1 IRC v/s Margarita Castro (BARON PA), same in 12d for SS rpt and 1 IRC (MAYER IL)

La Voz del Llano, Villavicencio, 6115, pictorial aerogram ltr and comic decal in 54d air for 2 IRCs, v/s Jairo E. Cifuentes, Gerente (HOWELL BC)

R. Nacional, Bogota, 9630, f/d Bavaria Bldg pc in 45d air for 2 IRCs and SS rpt (BEAL WA)

ECUADOR: Radiodifusora Casa de la Cultura Ecuatoriana, Quito, 4930, cd w/views of Quito and details in SS, 14d air for no rp and SS rpt (REDMAN IL)

RADIODIFUSORA CASA DE LA CULTURA ECUATORIANA	
T A R J E T A Q S L	
Confirmamos su recepción de <u>24 Marzo 1975 a las 22:37.</u>	Señor Ronald E. Hedmen 1505 E. Johns Avenue Decatur, Illinois 62521 EE.UU
HCCRI, 4.930 Khz., 61 metros, 10.000 watts. HCBXI, 1.430 Khz. (Onda media)-F. M. 103 Mhz.	
Gracias por su reporte y quedaremos muy agradecidos si reportando sinte.	
 Director	
Quito, Capital de la República del Ecuador, en la Mitad del Mundo. CASA DE LA CULTURA ECUATORIANA - Av. 6 DE DICIEMBRE 332	

R. Splendit, Cuenca, 5025, f/d SS ltr + mini pennant in 16d air, no rp and SS rpt, v/s Edmundo Valencia (REDMAN IL)

HCJB, 5970, 9560, 11915, 15115, 17730, 11740 f/d cds signed by Sam Rowley or Herbert Jacobson in 19-36d for 1-3 IRCs, 37-57d for no rp. Sangay Volcano (HOWELL BC)(TESTA'S), Mount Antisana (FAMULARO NJ), El Altar Mountain (HOWELL BC), Illinizas Mountain (THOMPSON) (SCANNELL MA)(ROBINSON AL)(YAJKO PA)(HARDING CA), Mt. Chimborazo (SMITH FL), brown and orange HCJB cd (YAJKO PA). Robinson also received pennant.

GUYANA (Republic): GBS, Action R., 3290, f/d form ltr in 20d air, 1 IRC (BARON PA)

PERU: R. Atlantida, Iquitos, 4789, SS ltr in 240d, v/s Julio Reategui Burga (NEUMANN MI)

VENEZUELA: R. Juventud, Barquisimeto, 4900, network cd of teenagers dancing in 28d for no rp and SS rpt (SCANNELL MA), same in 3 wks for SS rpt and 1 IRC (VOKES TX), same in 27d for 2 IRCs and SS rpt (MOSMAN IL)

R. Rumbos, Caracas, 4970, f/d cd of Cata Bay, 208d for 2 IRCs and SS rpt (THOMPSON NM), f/d city highway in Caracas cd, 2½ mo for SS rpt and 1 IRC (VOKES TX)

VENEZUELA (continued):

R. Barquisimeto, 4990, date/fqy network cd, 27d for MS and EE rpt (YAJKO PA), same in 30d for EE/SS rpt and 1 IRC (BIXBY CA), same in 27d (w/wrong date) for 2 IRCs and SS rpt (MOSMAN IL), same in 1 mo for 1 IRC and SS rpt (VECCHIOLA PA); 9510, same in 30d, no rp and SPEEDX form (REDMAN IL)

N. AMERICA

BELIZE: R. Belize, 3300, f/d map cd in 11d for 1 IRC, v/s Anita Cheong (WIRRELL MA), same in 15d (BARON PA), same in 24d (CREWS FL)

CANADA: RCI, 5960, 6135, f/d "1974 World Cycling Championships" cds in 23d, no rp (HOWELL BC)

CBC Northern Svc, 5960, 9625, f/d Eskimo sculpture cds in 48-89d for no rp (BARON PA) (HOWELL BC)(YAJKO PA)

CKFX Vancouver, 6080, fqy only, multicolored folder cd in 12d for no rp (SNYDER CA) and 97d for 1 dime (Canadian-returned) (PIMBLETT ALB). v/s Tom Peacock. Power is 10 watts! CKZU Vancouver, 6160, blue cd of regional bdcst center in 3d for 1 dime, 500 watts power (PIMBLETT ALB)

COSTA RICA: 4832/6006, R. Capital and/or R. Reloj, SS ltr w/verie statement only, but no indication of which station it veries in 6 mo or 1 mo for 1 IRC (BARON PA), ditto for MS and SS rpts in either 29 mo or 5 mo (CLEVELAND CA) v/s Lilia Alvarez A., Secretaria Faro del Caribe, TIFC, 9645, f/d EE/SS printed cd in 9 and 18d (BIXBY CA)(ROBINSON AL)

CUBA: R. Havana, 11930, f/d abstract circle design cd, 15 wks air, no rp (VECCHIOLA PA); 17705, same in 98d (FAMULARO NJ). v/s Maria Triana

DOMINICAN REPUBLIC: R. TV Dominicana, 9505, fqy only, SS ltr in 23d air for 2 IRCs, v/s R.A. Font Bernard (TALBOT WI)

GUENADA: R. Grenada, 5015, small cd w/station slogan, date/fqy, in 1 mo sfc for 2 IRCs v/s C.A.Alexis (VECCHIOLA PA), pc w/data on it, 20d air (SCANNELL MA)

GUATEMALA: La Voz de Atitlan, 2390, date/fqy ltr w/description of area + sked for 2 IRCs and SS rpt (THOMPSON NM)

R. Cultural, 3300, date/fqy Quetzal cd in 19d air for 1 IRC, EE rpt (WIRRELL MA), same in 32d for 2 IRCs and EE rpt (ROBINSON AL)

HONDURAS: R. Progreso, 4920, f/d SS ltr + mini pennant in 25d air for no rp and SPEEDX rpt. v/s Jerry Tolle (REDMAN IL)

MARTINIQUE: ORTF, 5995, f/d beach view cd in 72d for 2 IRCs (BARON PA)

NETHERLANDS ANTILLES: R. Nederland, 6165, f/d Westerkerk Church Tower cd in 14d for 1 IRC (QUIROZ TX); 11730, same cd in 15d, no rp (SMITH FL)

TWR, no fqy, f/d folder cd--Islands of the Flamingos, 12d air for 3 IRCs (THOMPSON NM)

UNITED STATES: AFRTS, 9700, 11790, f/d blue/white cd w/department seals in 9d sfc (ZINK CA) and 19d sfc (MERCADO CA)

KGEI, 5980, f/d cd w/San Francisco scenes, v/s Roy H. Buttsher in 30-65d air (HOWELL BC) (SCANNELL MA)

VOA, 17780, 17820 (both Dixon), usual Capitol cd in 7-13d for no rp, v/s W.E. Dulin (BARON PA)(ZINK CA)

WINB, 11775, 15185, f/d black and white cd in 16-25d sfc for no rp, v/s Rev. John M.

Morris (QUIROZ TX)(SCANNELL MA)(BIXBY CA)

WYFR, 11855, 17865, f/d microphone cd in 19-67d (SCANNELL MA)(MERCADO CA)



Well! How about that, sports fans. Got them all in and some QSL cds as well. If the number of reports stays low thru the dog days of summer I will try to work in some of the letter QSLs that I have not had room for heretofore.

No winners on the sign last month--and no one was even close by a few thousand miles. The language was Hausa, courtesy of Nigerian student Mohammed W. Mohammed and said "No Parking Between Signs." It was a tough one since most of the vernacular tongues have no written version, and are spelled phonetically. Hausa is probably as standardized as any. Try this one this month. It is easily heard (used by all of the

해운트 오르 너리새 흥계 우리.

big four international broadcasters) as well as the country of origin and quite a few others. Have fun.

My wife has informed me that we are to be inundated with wall-to-wall relatives this weekend, so to clear the decks for action, I started and nearly finished this epistle on the 15th. Today (16th), I received additional reports from Bodell, Jones, and Kerrigan. Sorry fellows--next month. Even for you I'm not about to retype it. Bob Bodell does raise a point that merits comment at this time, however. Re language of report, in every case where a language other than English is reported to me, that fact is indicated in this report. Since the vast majority of reports are in English, to avoid endless repetition I do not indicate them except in a few instances where a language other than English might seem to be in order, i.e., Indonesia, Latin America, etc. In short, assume the language of the report was English unless something else is specified. And so to bed.

5/16/75

73's. J.I.I

UTILITY REPORT



Editor: STEVEN J. HANDLER
Ass't.: KENNETH COMPTON

Report to: P. O. Box 253
Deerfield, IL
60015 USA

Deadline: 20th of the month

NORTH AMERICA

CANADA:	3330	0530	CHU Ottawa OM EE/FF time sigs AM (Crews-FL)
	4703	0430	VXA Edmonton Military OM EE tfc SSB (Chabak-CO)
	8615	0130	CKN Vancouver Military V mkr CW (Dawson-CA)
	8632.8	0351	VAI Vancouver Marine R. OM EE test xmsn (Chabak-CO)
	8662a	0110	CFH RCN Ellershouse NS V mkr CW (Dawson-CA)
	8722a	0030	VAI Vancouver CQ mkr CW (Dawson-CA)
	8868	0625	Gander VolMet OM EE wx AM (?????-??) Please put your name & state at the end of each logging. Ed.
	10500	1330	CGB4 COTC Drummondville OM EE vm (Crawford-S)
	11022.5	0105	CFH RCN Ellershouse NS V mkr CW (Scott-FL)
U. S. A.:	179	0702	WGU20 Edgewood Arsenal MD wx AM (Tom Smith-FL)
	3071	0500	SAM27000 Air Force One w/Andrews AFB USB (Handler-IL)
	3467	0736	San Francisco Aeradio OM EE tfc USB (Trubee-HI)
	5295	0055	NAM USN Norfolk VA V mkr CW (Scott-FL)
	5519	1335	Oakland VolMet OM EE wx AM (Thompson-NM)
		1350	Honolulu VolMet OM EE wx AM (Thompson-NM)
		1355	Anchorage VolMet OM EE wx AM (Thompson-NM)
	5696	0145	NOZ Elizabeth City NC CGAS tfc USB (Beal-WN)
		0140	NMA EGAS Miami FL OM EE tfc USB (Beal-WN)
		0200	CGAS Corpus Christi TX tfc USB (Beal-WN)
		0215	CGAS Columbus OM EE tfc USB (Beal-WN)
	6180	0118	WOE RCA Lantana FL tfc CW (Scott-FL)
	6445	0028	WLO Marine Op Mobile AL CQ mkr CW (Scott-FL)
	6697.5	0548	NAM USN Norfolk VA OM EE vm USB (Dawson-CA)
	6738	0609	McLellan AFB OM EE tfc SSB (Chabak-CO)
	6790a	0012	KKK50 State Dept. Wash. DC QRA mkr CW (Scott)
	7340a	1350	KPA73 DCPA HQ Reg. 3 Thomasville GA clg KNC63 SSB (Wilson-OH)
	8085	1845	NMA USCG Miami FL OM EE tfc SSB (Wilson-OH)
	8370	1413	AT&T Dixon CA OM EE vm LSB (Mercado-CA)
	8550	0137	WPA RCA Port Arthur TX CQ mkr CW (Scott-FL)
	8660	0055	KLC ITT Arcadia TX CQ mkr CW (Scott-FL)
	8735.2	0145	KMI ATT Dixon EE tfc SSB (Dawson-CA)
	8868	1915	WSY70 NY VolMet wx EE AM (Crews-FL)
	8903	1308	Oakland CA VolMet OM EE wx AM (Junqua-JAPAN) 1105 (Capilli-HI) 0325 (Dawson-CA)
		0321	Honolulu VolMet EE wx AM (Dawson-CA)
	8970a	2135	Lockheed CA flight test w/aircraft (Wilson-OH)
	9170	0624	WMA29 Oakland CA OM EE tfc USB (Dawson-CA)
	9895	2316	WEA69 ATT NY OM EE vm SSB (Kerrigan-IL)
	13344	0035	Oakland VolMet OM EE wx AM (Thompson-NM)

CARIBBEAN

CUBA:	6600a	0025	CLQ Havana R. clg WCA CW (Scott-FL)
	7455a	0202	IRTS Havana YL EE/SS vm SSB (Mercado-CA)
	8750a	0845	IRTS Havana YL EE/SS vm SSB (Wirrell-MA)
	13092	1530	CLA Havana R. CQ mkr CW (Thompson-NM)
	14505	1815	CML38 IRTS Havana YL EE/SS vm LSB (Vogel-PA)
GUANTANAMO:	6890	0413	NAW17 AAC&R OM EE vm SSB (Kerrigan-IL)
	7433	0411	AAC&R OM EE vm SSB (Mercado-CA)
	8551m	0140	AAC&R OM EE vm USB (Mercado-CA)
	13750	1218	AAC&R OM EE vm SSB (Kerrigan-IL)
ANTILLES:	6491.5	0231	PJC Willemstad Curacao CQ mkr CW (Thompson-NM)

CENTRAL AMERICA

CANAL ZONE:	6790a	0035	ACA50 US Army Ft Kobbe tfc CW (Scott-FL)
	12884	2040	NBA USN Balboa CQ mkr CW (Thompson-NM)
	15015	2200	AHF Albroke AFB Balboa tfc USB (Beal-WN)

SOUTH AMERICA

ARGENTINA:	15000	2350	LOL Buenos Aires time sigs AM (Beal-WN)
COLOMBIA:	8574	0310	HKC EMNATEL Buenaventura CQ mkr CW (Thompson)
	12781.5	2044	HKB Barranquilla R. CQ mkr CW (Thompson-NM)
	12853.5	2110	HKC Buenaventura R. CQ mkr CW (Thompson-NM)
COSTA RICA:	13094	1615	TIM CRI Limon V mkr CW (Thompson-NM)
VENEZUELA:	6100	0600	YVTO YL SS time sigs AM (Crews-FL) (Beal-WN)
			0100 (Kubinsky-PA)
	8730	0255	YVG La Guaira R. CQ mkr CW (Thompson-NM)

EUROPE

BELGIUM:	8990a	1653	Ostend R. PTT OM EE vm USB (Junqua-JAPAN)
CZECHOSLOV.:	11391	1215	OKL Prague VolMet YL EE wx AM (Crawford-SCOT)
DENMARK:	8598	1531	OXZ Lyngby R. CQ mkr CW (Koizumi-JAPAN)
ENGLAND:	5703	0532	USAF Croughton EE tfc to a/c USB (Handler-IL)
	12835.5	2110	GKG Portishead R. CQ mkr CW (Thompson-NM)
FINLAND:	8761a	1720	Helsinki R. OM EE/Finn vm USB (Junqua-JAPAN)
FRANCE:	6421.5	0335	FFL3 Ste. Lys R. CQ mkr CW (Thompson-NM)
	6802	1020	FTS Paris YL EE/FF vm SSB (Capilli-HI)
	7370	1508	FTS Paris YL EE/FF vm LSB (Mercado-CA)
	12834.4	2055	FFP7 Sainte Lys R. CQ mkr CW (Thompson-NM)
	13133.5	1315	FFL34 Sainte Lys R. YL FF vm AM (Crawford-SCOT)
GERMANY, W.:	2775	0635	DAO Kiel R. OM EE tfc AM (Crawford-SCOT)
HOLLAND:	2182	0436	PCN Scheveningen R. OM EE tfc (Crawford-SCOT)
	8160	0855	PDK38 PTT Kootwijk OM EE vm SSB (Crawford-SCOT)
	12799.5	1016	PCH6 Scheveningen R. CQ mkr CW (Koizumi-JAPAN)
ICELAND:	8690	2145	TFA PTT Reykjavik CQ mkr CW (Koizumi-JAPAN)
ITALY:	5000	0945	IBF IEN Turin OM vm time sigs AM (Crawford-S)
	8764	1648	IAR Roma R. OM EE/It vm USB (Junqua-JAPAN)
	13147.5	1310	IGB Genova PTT OM EE/It vm SSB (Crawford-S)
NORWAY:	1750	0805	LQZ Farsund R. OM EE wx AM (Crawford-SCOT)
	2656	0703	LGP Bodo R. OM EE tfc AM (Crawford-SCOT)
POLAND:	8557	1245	SPE4 Szczecin R. V mkr CW (Koizumi-JAPAN)
	8773.6	0820	SPC Gdynia R. YL EE/Pol vm SSB (Crawford-SCOT)
PORTUGAL	12943.5	2150	CUL20 Lisboa R. CQ mkr CW (Thompson-NM)
SWITZERLAND:	8601.5	2143	HEB Berne R. CQ mkr & tfc list CW (Koizumi-J)
U. S. S. R.:	7491a	1730	R. Moscow RR feeder LSB (Beal-WN)
	8840	1350	URD Leningrad YL RR vm SSB (Crawford-SCOT)

AFRICA

AFARS & ISSAS:	8682	2032	TXZ8 Djibouti R. CQ mkr CW (Koizumi-JAPAN)
ASCENSION IS.:	6753	0205	AFE83 USAF tfc SSB (Wilson-OH)
		0330	USAF tfc to a/c EE USB (Handler-IL)
		0414	Ascension R. clg MAC50279 SSB (Chabak-CO)
CAMEROON:	9045.5	2148	TJF90 ITC Douala YL EE/FF vm SSB (Koizumi-J)
CAPE VERDE I.:	6509	0350	XXU23 St. Vincent Radionaval V mkr CW (Thompson)
DAHOMEY:	10895	2215	TYK8 Cotonou FCR YL EE/FF vm SSB (Koizumi-J)
ETHIOPIA:	9110	2045	ETI20 Addis Ababa YL EE/Amh vm (now IDs as "Ethiopian Telecommunications Service" instead of IBOT) SSB (Compton-MA)
	17435	0940	ETQ44 ETS Addis Ababa YL EE/Amh vm (Crawford-S)
MOROCCO:	8188	0650	CNR23 PTT Rabat FF tfc LSB (Dawson-CA)
S. AFRICA:	4247	0210	ZRH Cape Naval R. V mkr CW (Thompson-NM)
	8686	0250	ZSC Capetown R. CQ mkr CW (Thompson-NM)
	10350	1345	ZUD75 PTT Pretoria YL EE vm SSB (Crawford-S)
SENEGAL:	6795	0715	6VA47 Dakar R. FF tfc USB (Dawson-CA)
	8660	2054	6WV Fr. Navy Dakar V mkr CW (Koizumi-JAPAN)
TUNISIA:	6350a	1840	FUX Fr. Navy Bizerte V mkr CW (Koizumi-JAPAN)

ASIA

CHINA, P.R.:	8710	1309	XSJ Ichang R. CQ mkr & tfc list CW (Koizumi-J)
	12822	0617	XSV Tientsin R. CQ mkr CW (Koizumi-JAPAN)
HONGKONG:	5519	1345	VolMet OM EE wx AM (Thompson-NM) 1045 (Capilli)
	9331	0647	ZEN42 C&W Cape D'Aguilar EE tfc LSB (Dawson-CA)
INDIA:	6680	1625	VolMet Bombay OM EE wx AM (Junqua-JAPAN)
INDONESIA:	13101	1224	PKF Ujung Pandang CQ mkr CW (Koizumi-JAPAN)
ISRAEL:	8694	2105	4XO Haifa R. CQ mkr CW (Koizumi-JAPAN)
JAPAN:	5519	1340	JMA Tokyo VolMet OM EE wx AM (Thompson-NM)
	8000	0725	JG2AE Tokyo time tick (Szot-CA)
	8903	1042	JMA Tokyo VolMet OM EE wx AM (Capilli-HI)
KUWAIT:	11495	1613	PTT YL EE/AA vm-mx LSB (Junqua-JAPAN)
PAKISTAN:	13010	1310	AQP Gwadar Naval R. V mkr CW (Koizumi-JAPAN)

PHILIPPINES: 12882	1631	DZG GMC&R Manila CQ mkr CW (Thompson-NM)
SAUDI ARABIA: 10803	2230	HZY Arabian American Oil Co Dharan YL EE/AA vm SSB (Crawford-SCOTLAND)
S. KOREA: 8460a	2239	HLP Pusan R. CQ mkr CW (Koizumi-JAPAN)
THAILAND: 6680	0735	Bangkok VolMet OM EE wx AM (Suinicki-???)
	8686	1257 HSA2 PTT Bangkok CQ mkr CW (Koizumi-JAPAN)
U.S.S.R. 6638	1630	Khabarovsk R. YL EE wx USB (Junqua-JAPAN)

ANTARCTICA

12255 0830-0858 VLV Mawson Base OM EE tfc to Sydney USB (Trubee-HI)
FB, Bill!

OCEANIA

AUSTRALIA: 7500	1445	VNG APO Lyndhurst OM EE time sigs AM RTTY QRM (Mercado-CA)
	10017	1135 VLS Sydney VolMet OM EE wx AM (Capili-HI) 0701 (Crews-FL)
	12000	0545 VNG APO Lyndhurst OM EE time sigs AM (Crews-FL)
GUAM: 11176	0802	AIE Anderson AFB OM EE tfc USB (Junqua-JAPAN)
HAWAII: 6524	0554	NMO USCG Honolulu OM EE wx USB (Trubee-HI)
	6738	0610 AGA Hickam AFB OM EE tfc SSB (Chabak-CO) 0617 (Trubee-HI)
	10000	0759 WWVH Kauai time sigs YL EE AM (Crews-FL)
	11179	0502 AGA Hickam AFB OM EE tfc USB (Junqua-JAPAN)
KURE REEF: 9043	0630	"K" beacon (near Midway Is.) CW (Dawson-CA)
	10063	2327 "K" beacon CW (also noted on 3949 @ 1300, & 4358 @ 0924) (Szot-CA)
NEW CALEDONIA: 8698	2030	FJP8 PTT Noumea CQ mkr CW (Koizumi-JAPAN)
NEW ZEALAND: 4110.8	0710	ZLW OTC Wellington EE tfc USB (Dawson-CA)
	4116.7	0716 ZLW OTC Wellington EE tfc USB (Dawson-CA)
	8770.4	0702 ZLW OTC Wellington EE tfc USB (Dawson-CA)
PHOENIX ISLANDS: 17862a	1815	Canton Island tfc to Oakland overseas op USB Tentative ID USB (Beal-WN)
TAHITI: 9053	0670	FZO90 FTS Papeete FF tfc LSB (Dawson-CA)

Out of correct order:

U. S. A. 5905	1230	VOA Dixon LL feeder, EE ID (LSB) (Beal-WN)
	5935	VOA Dixon EE ID, LL feeder LSB (Beal-WN)
	8754.5	0153 WOO ATT Ocean Gate NJ EE tfc USB (Dawson-CA)

HIGH SEAS

4111 0616	SS Eagle Arrow w/La Stansia EE USB (Trubee-HI)
8815a 0751	DLG15 USS Preble w/Honolulu OM EE SSB (Chabak-CO)

TACTICALS

4495 1015	ECHO ONE w/PLYWOOD & GAMEWARDEN OM EE USB (Trubee-HI)
4707 1030	FOXTROT ECHO w/DUNKIRK & T-BONE OM EE USB (Trubee-HI)
6723 0522	BERMUDA RASPBERRY clg RASPBERRY NORFOLK SSB (Chabak-CO)
6698.5 0145	HAMPSHIRE test count OM EE SSB (Wilson-OH)
6723 0054	RASPBERRY CECIL w/ROMEO ZERO SSB (Chabak-CO)
	0132 RASPBERRY OCEANA w/WHISKEY LIMA SSB (Chabak-CO)
	0334 RASPBERRY GUANTANAMO w/HOTEL INDIA SSB (Chabak-CO)
	0354 RASPBERRY PEARL w/DELTA BRAVO SSB (Chabak-CO)
	0403 RASPBERRY NEAPLES w/PANTHER OM EE SSB (Chabak-CO)
	0414 RASPBERRY ALAMEDA clg PANTHER OM EE SSB (Chabak-CO)
	0504 RASPBERRY LEMOORE clg RASPBERRY PANTHER (Chabak-CO)
6992a 0304	KING TIGER clg IVANHOE OM EE AM! (Chabak-CO)
9035a 1800	MISSIONARY OM EE vm w/long count SSB (Wilson-OH)
11243 0454	GREAT PLAY w/PANIC OM EE USB (Junqua-JAPAN)

"SPY" NUMBERS STATIONS

2600 1034-	YL EE 3-digit groups & 4-digit groups SSB (Wirrell-MA)
3250 0425-	YL GG 5-digit groups SSB (Wirrell-MA)
4275 0505-0510*	YL SS "Tres Cuatro Uno" repeated to 0510 (Trubee-HI)
5811 0225-0232*	YL EE 4-digit groups USB (Beal-WN) 4/3/75
8751 0014-	YL phonetics & 4-digit EE groups USB (Dawson-CA)
9976 0605-	YL GG 5-digit groups SSB 3/11/75 (Trubee-HI)

Another lost sheep found!:

ITALY: 6210a	0032	IDQ Italian Navy Rome ID mkr CW (Scott-FL)
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UNIDENTIFIED AND TENTATIVELY IDENTIFIED LOGGINGS

Please write Steve Handler if you can help with the ID of these.

6180a 0117 SSK ID mkr CW (Scott-FL) Egyptian Navy?
 6700a 0100 "MUW AUT" CW (Wilson-OH)
 8410a 0110 SUS CQ mkr & tfc CW (Scott-FL) Egyptian coastal sta?
 8650a 1233 VTP V mkr CW (Koizumi-JAPAN) Indian Navy?
 15036a 2235 Canadian military? OM EE wx forecast for major Canadian cities. USB (Beal-WN)

RADIOTELETYPE LOGGINGS

There are two RTTY contributors (which I think is a record!) but one of them is unidentified---please put your last name & state at the end of each logging.

AUSTRALIA: 17411 OTC(A) Sydney EE test 66wpm/425hz shift (???-??)
BRAZIL: 8064 0210 ZYK Belam EE test 66/850 (???-??)
CANADA: 9890 2350 CFS Halifax NS EE wx 100/850 (???-??)
CHILE: 9111 0115 CCS Chilean Navy Santiago test & Prensa Latina News 66/850 (???-??)
CHINA: 15584 2315 BCE Shanghai (tentative ID) test--calling Havana 66/425 (???-??)
FRANCE: 11000a 1140 AFP Paris nx to S.A. 60/425 (Scott-FL)
ITALY: 5650a 0215 IMO PT city unknown EE wx 60/825 (Scott)
 5775 0225 IMB31/32 sta name & city unknown EE wx (Scott-FL)
NEW CALEDONIA: 13383 0230 Call & name unk Noumea test 66/425 (???-??)
SENEGAL: 7589 0110 6VY41 Dakar EE test 66/425 (???-??)
 10410 2340 6VU Dakar EE test 66/170 (???-??)
U. S. A.: 7628 0240 WFI-97 IT&T NY test 60/425 (Scott-FL)
 10748 1130 WFL60 ANSA NY news 60/425 (Scott-FL)
 10825 1145 WFE20 UPI NY 60/425 news (Scott-FL)
U.S.S.R.: 9020 0040 RFTJ name & city unk test 60/425 (Scott-FL)
UNKNOWN: 8995 0033 SOLO CONTACTO test (Scott-FL)

UTILITY NEWS

June 1975

INTRODUCTION TO UTILITY DXING- is a publication which was published by the Danish Shirtwave Clubs is available for four IRCs seammal or six IRCs airmail. For your copy send to: Secretary-Per Sørensen, Vestergade 14; DK-8732; Hovedgaard, Denmark. (information via Ron Spangler Jr.)

For those with receivers that can operate on VLF, the U.S. Navy operates their OMEGA navigation system on 10.2 KHz, 11.333 KHz, 13.6 KHz. The Russian Military also has a VLF Navigation System which uses 11.905 KHz, 12.649 KHz, 14.881 KHz with 12.5 KHz and 13.281 KHz planned to be used in the future. (information via Aviation Week & Space Technology Magazine, page 22, November 22, 1971)

FLASH- The nationalisation of all foreign operated communications systems has been completed in PERU. All American Cables & Radio and West Coast Cable are now both run and owned by the state agency, ENPEL-PERU. (information via Jim Whitehead, via Latin America March 21, 1975, page 96.)

A more or less complete list of U.S. Military Stations Tactical Identification Call Signs has been compiled by Steve Handler. Although this list can not be published in full, selected stations will be identified in the coming months. If you are in need of any 'names' for tactical call signs, drop this section a note. However those who would like to try to QSL tactical military stations should be advised that almost none of the stations will verify, and some take a 'dim' view of listeners.

Russian Navy Vessels have been heard using CW lately. Try the following frequencies for a good catch-- 6300, 6344, 6748, 8404 KHz. Also 6261 & 6608 KHz may be used

EL-AL Airlines uses the following frequencies to communicate to their aircraft-- 2938, 5589, 6677, 8837, 11318, 13304, 21886 KHz. These broadcasts may prove interesting in light of the current middle-east problems.

In an effort to solve the communications problem with HI-JACKED aircraft the F.A.A. has instituted new procedures. In the event an aircraft is HI-Jacked, the pilot is to use the aircraft's Air Traffic Control Radar Beacon System to notify the FAA. Since all aircraft emit a signal to enable the FAA to spot them on radar, a special signal was designated for notifying the FAA about a hi-jacking. After sending the special signal (which can only be heard via radar screens) the FAA confirms the

UTILITY NEWS Continued

the signal by voice, asking whether it was intentional or not. In this way the FAA can be notified of a Hi-Jacking without the Hi-Jackers knowing about it.

QSL REPORTS

- AUSTRALIA: VNG Lydhurst 7500 KHz Time Station, 20 days for 3-IRCs-returned (Crews-F1)
VIP-OTC Western Terminal 8597 $\frac{1}{2}$ KHz, Gnangara, WA sent letter mimeo, full data for 2 IRCS and EE rpt. /vs/M.L.Ferrie-Technician in 16 days (Walters-NJ)
- FRANCE: MARSEILLES COSTAL STN 1906 KHz, returned pfc in 16 days for IRC and FF rpt, (Crawford, Scotland)
PARIS AERRADIO 11391 KHz returned PFC in 14 days for IRC and FF report, power 5.0/2.5kW (Crawford-Scotland)
ST LYS RADIO FFL4- 8522.5KHz, sent letter /vs/R.Valot with full data except power and antenna data for 3 IRCS and FF report (Walters-NJ)
AFP NEWS FTP65 RTTY-PARIS 15661.2 KHz returned PFC in 1 week air for 2 IRCS and SS(?) rpt. They were working duplex with Lima, Peru and Fort de France Martinique (Scott-F1)
- GREAT BRITAIN: ST PETER PORT LIFEBOAT (GURNSEY) 2182 KHz sent letter /vs/Eric Pattimore with full data and photo of lifeboat for rp and EE report (Crawford-Scotld)
JERSEY COASTAL RADIO, St Hellier sent letter /vs/Donald Clarke full data and folder map card of Channel Island (Crawford-Scotld)
STONEHAVEN COASTAL RADIO 2182KHz sent letter /vs/K.W.Foster with full data in 9 days for IRC and EE report (Crawford-Scotland)
REDCAR LIFEBOAT 2182 returned PFC with full data from /vs/Jim Benbon in 6 days for rp (Crawford-Scotland)
- HAWAII: USNAVCOMSTA NPM Honolulu/Luaualei 9050 KHz sent PFC back in a month for ms /vs/R.E.Peters (Scott-F1)
- ICELAND: REYKJAVIK RADIO, Post & Telegraph Telecommunications Centre, Gufunes sent postcard depicting Icelands capital city Reykjavik with complete verification data /vs/Lilja Karlsdottir for the station manager for 2 IRCS in 5 weeks. Frequency 12175 KHz (Kusalik) note that the PTT centre in Gufunes is responsible for the Aeradio, PT&T, Maritime and Shortwave transmitters in Iceland. (ed)
- ISRAEL: HAIFA RADIO-4XO 6470KHz sent card PFC in 3 weeks for 2-IRCS for CW broadcast. (Scott-F1)
- ITALY: TRIESTE RADIO-IOX 8679 KHz sent letter /vs/Dr. Luigi Spazzali-Director with date and frequency in 20 days. Letter was a mimeo form letter for 3 IRCS and EE rpt (Walters-NJ)
- LEBANON: ORIENT RADIO, BEYROUTH 8702KHz sent full data letter in FF in 2 months for RTTY Test Tape and 3 IRCS (Scott-FL)
- NORTHERN IRELAND: USNAVCOMSTA-NST Londonderry 7504 $\frac{1}{2}$ KHz sent card and letter, a Yellow Navy Card with Leprocon holding lightening bolts in 2 weeks for 2 IRCS for CW reports /vs/C J Rhoades ENS (Scott, FL)
- SOUTH AFRICA: CAPE TOWN RADIO ZSC 8686 KHz sent full data letter from Postmaster in 62 days for EE rpt and IRC (Walters-NJ)
ZUD-INT'L TRANSMITTING STN, Olifantsfontein sent postcard showing site of station in South Africa with ZUD in big letters on the front. Sent 2-IRCS 5305 KHz 3 weeks (Kusalik)
- SWEDEN: SAG-GOTEBORG RADIO 17079.2KHz sent full data card in 13 days, Yellow & Blue map card for 3 IRCS (Walters-NJ)
- SWITZERLAND: HEB-BERNE RADIO 13023.7 KHz sent card /vs/A.Meyer with full data Silver-gray card and 3 IRCS (Walters-NJ)
- SHIPS: USCG Cutter Vigilant returned PFC (Zelako-In) Please send full data (ed)
NJPJ-USCG Cutter RELIANCE sent letter and photo and QSL in 10 days
450 watts (Hank Holbrook) Oops I forgot in 10 days.
- U.S.A.: WLC-ROGERS CITY MARINE 2514KHz /vs/Frank Sager-Oper. Supv. sent full data card in 8 days for IRC and EE rpt (Walters-NJ)
KFS-ITT Comm, Half Mood Bay, CA 8713 $\frac{1}{2}$ KHz sent PFC in 30 days for ms (Scott-FL)
WNH-Pearl River, La 4310 KHz sent card PFC and theirs in 2 weeks for ms /vs/ K.G.Welch (Scott-FL)

UTILITY QSL's CONTINUED:

U.S.A.: (Beacons from Hank Holbrook)

269 KHz	URX	Mars,Que CFS-Bagotville senr detailed QSL letter 500 watts
278	EOE	Newberry,SC Newberry County Apt sent letter verification in a month, 25watts. P.O. Box 69, Prosperity,SC 29127
269	HSX	Wellsville,NY Trantine Field Bcn (Municipal Airport) returned PFC in one week
203	PVP	Flatteville,WI Municipal Airport Bcn returned PFC in month 25 watts
397	FLR	Fall River,Mass Municipal Airport Beacon returned PFC in 10 days
209	GF	Glenn Falls,NY FAA Bcn Warren County Airport returned PFC in 10 days
248	BPA	Bethpage,NY Grumman-Bethpage Airport Bcn returned PFC in 20 days 15 w
321	UR	Burlington,KY FAA Beacon at Greater Cincinnati Airport in 6 days, 15 w



MARINER 10 * VENUS/MERCURY



Leo Zelasko

49CGC

We confirm your reception of radio Station VIGILANT on a frequency of 2152 kHz at 0257 GMT on the date of 21 APR 1975 with a power of 400 WATTS.

WE WERE AT THAT TIME ENGAGED IN SEARCH AND RESCUE OPERATION. THANK YOU FOR YOUR REPORT.



C.D. Law RM3
 (Please sign and stamp)
 CURTIS D. LAW RM3

219	AL	FAA Beacon Albany,NY returned PFC after 3rd Follow up 1 year 25w
224	QM	Monton,NE Ministry of Transport returned PFC after 2nd Followup in a year 60w
326	IA	FAA Beacon Houston Int'l Airport rtned PFC after 1 follow up in 3 months 25watts
365	AIO	Atlantic,Iowa Municipal Airport Beacon returned PFC in 4 months
335	PV	Providence,RI FAA Beacon returned PFC in a week 15 watts
352	AYE	Ft Devens,Ma returned PFC with data in 2 weeks 300watts US ARMY

Please excuse that a couple of Canadian loggings are mixed in with the above beacons. Hank uses PFCs and finds that they net an impressive response.

Every month several loggings are received without any names on them. To insure that your loggings can be easily and accurately published please try to observe the following-

- 1) Use the Utility Report Forms both Logging and QSL available from HQ. Do not write this section as we do not have any.
- 2) If you can't use the Form, please be sure to include:Country,Freq,Call,Station name,City,language,Type of Broadcast,Sex of Announcer,SIO,Date and your name. On QSL reports include the time it took for the station to reply, the amount of rp you sent, the verification signer, the ADDRESS of the station you used if it is a new station or the address is different than the WUDXH.

73 and Good DX- Watch for the JOINT-SPACE MISSION in July

Hank and Leo

Tips and Topics

The Feature Section of SPEEDX

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

INFERENCEAL FREQUENCY MEASUREMENT BY HETERODYNE ANALYSIS

By Glenn Hauser

Don't let that title scare you; this article will describe the easy (or, at least, inexpensive) way to measure shortwave frequencies more exactly, without special equipment.

But first, let's answer the question why? At the present state of the art, just about everyone (except some major broadcasters, such as Radio Moscow and VOA) favors expressing frequencies to the nearest 5 kHz. This makes sense, as 5 kHz is the normal separation between SW channels (unfortunately).

Yet, many stations can be found off-frequency (that is, "split" somewhere between the 5-kHz clusters)--and on bands below 6 MHz, the 5-kHz spacing does not always apply. Some off-frequency operations are temporary, and/or vary widely; others are rock-steady. Both types are of interest to DX'ers; one is a symptom of poor engineering or transmitter malfunction; the other can be as distinctive as a fingerprint, and a significant aid to identifying the station.

The best way to go about precision frequency measurement (PFM¹) is to employ a frequency counter (such as the Heath IB-11¹ or IB-11²)². With one of these, frequencies can be measured down to 0.1 Hz. A spectrum analyzer³ can also be very useful. But there is another method which can provide adequate results, is a bit of fun, and requires nothing more than a (preferably well-tuned) piano, or some other convenient wide-range musical instrument (or, if you are so fortunate, your own perfect sense of pitch!)

You see, whenever two stations are not transmitting on the same frequency, there is a heterodyne between them. Now, we can make some use of these annoyances! We can do this up to about 5000 Hz (5 kHz); some receivers clip audio frequencies higher than this, and the approximate limit of human hearing is 15 kHz.

If the exact frequency of one of the stations is known (or can be reliably assumed), then the exact frequency of the other can be inferred by determining the musical pitch of the heterodyne produced between them.

How to be sure which one is "off" frequency? Several ways. Your receiver may be calibrated sufficiently accurately (depending on how far off one of them is); experience is a good tool: has the VOA ever been known to vary more than a few Hz? No. Another one, often overlooked, is the absence or presence of subaudible heterodynes. Yes SAH!⁴ Unless the two stations are zero-beat (exactly on the same frequency), they will produce a SAH. These are easiest to measure when less than 10 Hz (lacking a spectrum analyzer or frequency counter). Simply count the number of "flutters", or S-meter dips, per minute, and divide by 60. This is much easier to do on MW, where there is less short-term propagational fading. If one of the SW stations is fading due to propagation, it will be difficult to determine the SAH. Also, if there is a third station, this will complicate the picture, as there will be not two, but three separate SAHs--as each station interacts with each of the others.

If the frequency involved happens to lie right on a harmonic of your crystal calibrator, you can also look for a SAH (they are most obvious when the two signals are of the same strength). Even without an S-meter, you can often hear the SAH (not the pitch, but the regular flutter) well enough to count it. Check your calibrator again WWV first to be sure it's set within "SAH range" of other harmonics.

The point is: if one of the two (audibly) heterodyning frequencies has a SAH on it, it is very safe to assume that one is "on" frequency. Why? The chances are very remote that two drifters or variants will just happen to land within 10 or 15 Hz of each other!

The big step is disarmingly simple; find the note which most closely matches the heterodyne pitch, and consult the table (be sure you're on the right octave). Now you can report the frequency to two decimal places. To determine whether the "het" station is high or low, invoke your receiver's maximum selectivity and tune back and forth. If you still can't tell, or there's a chance neither is "on" channel, you can nevertheless report their separation.

Some DX editors may be understandably reluctant to publish such superficially useless information. The extra digits throw off frequency column alignment. But the PFM can be given in the text, for the benefit of all who are interested.

Musical Notes & Corresponding Heterodyne Frequencies⁵

A	.110	.22	.44	.88	1.76	3.52
Bb	.117	.23	.47	.93	1.86	3.73
B	.123	.25	.49	.99	1.98	3.95
C	.131	.26	.52	1.05	2.09	4.19
C#	.139	.28	.55	1.11	2.22	4.43
D	.147	.29	.59	1.17	2.35	4.70
Eb	.156	.31	.62	1.24	2.49	4.98
E	.165	.33	.66	1.32	2.64	
F	.175	.35	.70	1.40	2.79	
F#	.185	.37	.74	1.48	2.96	
G	.196	.39	.78	1.57	3.14	
G#	.208	.42	.83	1.66	3.32	

Frequencies are in kHz; based on standard American pitch wherein A above middle C equals 440 Hz. Notes other than A are not precise, but rounded. The third digit in the first octave is for clarity, not precision.

¹ Charles A. Taylor, in his "DX Worldwide II" column is discussing this procedure in detail (as applied to MW) in 1974-5 issues of the IRCA DX Monitor. Those interested should contact Taylor, at 939 Eastern Ave., Indianapolis, IN 46201

² See "Precision Frequency Measurement" by Ronald F. Schatz; NRC reprint No. R15 (30¢ plus non-members from National Radio Club, Box 127, Bonton, NJ 07005. Also relevant is "The FMS-3 Frequency Marker Standard", reviewed by Robert L. Foxworth; NRC reprint No. R28 (80¢).

³ For an exhaustive review of the Heath SB-620 Spectrum Analyzer, by Foxworth, order NRC reprint No. R17 (\$3.00).

⁴ "Yes, SAH!" by the author, explains SAHs as applied to MW. Order reprint No. T7 (8¢ plus SASE from IRCA Reprints, 12536 Arabian Way, Poway, CA 92064).

⁵ Adapted from "Whistle a Happy Het?" by Ronald F. Schatz, IRCA DX Worldwide column, DX Monitor, March 23, 1974.

THE NEXT TONE MAY BE OUR LAST

By Steve Gelfand

After the switch back to Daylight Savings Time in March, I tuned in WWV to help me set my digital clock as accurately as possible. After several minutes of unplugging and re-plugging the clock and maneuvering the time-set mechanism on the back, I was successful in getting the flip-flopping numbers to flip-flop at the precise moment of the WWV pulse marking the start of a new minute.

Normally after a feat of this kind I would turn off my receiver and revel in (although sometimes I would bask in) my moment of triumph. For some unexplainable reason, on that fateful day, I continued to listen to WWV.

There was no logic behind this action at all; I had set my clock and I could never make heads or tails out of the geophysical alerts. Let's just say that the station had a particularly good beat that night. (Lyrically there's not much you can say about WWV, but I'll give them an 87 for the beat, Mr. Clark.)

As I listened to WWV, I heard a strange announcement to the effect that they were planning to cut their operations in some way and would appreciate comments from users of their services. I copied down the information and wrote a card to the Commerce Department in Boulder, Colorado. I received a letter and a questionnaire a short time later which stated that due to increasing costs, the Commerce Dept. was looking into ways of cutting WWV's services. The questions dealt with finding out how often you use WWV, what frequencies you most often use and the purpose for using these services (hobby, industrial, technical.)

I began to wonder how, if the time did come, could WWV cut their services? For one thing, they would not be going off the air completely. I can understand an all-news station going off the air because there's no news. Or a music station closing down because they had no music. Or how about a talk station where no one has anything to say? Oh, you say you know of several? The point is, though, that they didn't shut down because they had nothing to say. Besides, you can't run out of time. There's always more. What are the WWV's alternatives? They can cut down on the pulses and have one every two or three seconds. Not many people would notice. They could have one pulse every ten minutes but if your clock wasn't accurate to start, you wouldn't know when to tune in. A listener might waste ten minutes listening to dead air. If you weren't right on frequency you could miss the ten minute pip altogether. (If your receiver's calibration was really off you could miss both the pips and Gladys Knight completely.)

I, for one, was not content to send back the questionnaire and let it go at that. I felt that it was my responsibility to come up with a solution to pay back the Commerce Dept. for all the hours of listening pleasure WWV has offered me over the years. I came up with the solution: WWV should secretly sell off all of their sophisticated atomic clocks to a private establishment. With this money the Commerce Dept. can buy a nice microphone and a quartz wristwatch. For a few thousand a week they can hire engineers to keep the station running and a couple of announcers to provide around-the-clock service. With an old fashioned stop-watch providing the ticks in the background, the announcer would announce the beginning of each minute as indicated by the quartz watch. Not many people would notice the difference and the money from the sale of the atomic gear would keep WWV in operation for at least a hundred years. Or at least until they have to change the battery in the watch.

EXCHANGE STUDENTS AND DXING

By Brandon Lovett

Many high schools and colleges in the US host foreign exchange students. Meeting these students is a good experience for anybody, but it is even more rewarding for the DXer.

My high school has recently hosted two foreign exchange students, and I have had pleasant experiences with both of them.

On a short (10-week) stay was a beautiful girl from Chile. From listening to shortwave my understanding and speaking of Spanish was a lot better than that of the other 3rd and 4th year Spanish students, (she even said so herself); however from talking with her many times on just about everything including Radio Portales, I found my speaking and understanding of Spanish improved about 100%, which is especially beneficial in my Latin American DXing. There are two differences between talking with a native speaker and listening to the radio; first of all, your average radio announcer will speak the language on the air more polished than the average person. This is clear enough in English, "ain't" it? So when you can understand "street talk" in a foreign language, it is much easier to understand radio announcer talk. Secondly, when listening to SW stations, your listening basically for an ID and verifiable program details, rather

than program content. Furthermore, when you're listening to a person, that person expects an answer, where as the radio doesn't. So if you're going to talk to a native speaker, you've got to sharpen up your ears. This sharpening up carries over into DXing. She never did make it over to the shack to listen to her home country (which doesn't really come in so great anyway), but she did appreciate the news items I tried to get for her from Chile.

When I told our other exchange student, from Brazil on a six-month long visit to the US, that I could hear his country on my shortwave receiver, he was very interested. He thinks that the radio he brought with him might have shortwave on it (I haven't seen it myself) and asked for a list of Brazilian radio stations audible in this country. Of course I don't understand Portuguese, so I don't do much Brazilian DXing, but I do know that I've heard but not IDed several Brazilian stations. We're trying to find the time to set up a DX-session, which will have a two-fold purpose, allowing him to listen to home, and allowing me to ID all those Brazilian stations I keep hearing!!!

If you're still in school, and a foreign exchange student visits your school, invite him or her over to your QTH to listen to his or her home country. At the same time, if they're willing, you might have them help you with IDing other stations in their native tongue. If you're studying the language the exchange student speaks, make every effort to talk to him in his native language. Sure, it'll be rough going at first, but if you keep it up you'll soon be holding long conversations in your second language with no trouble at all. Before you know it, you'll be DXing stations in that language better than before, and you'll be able to hear complete news items, understand the words in musical selections, and really get something out of the stations you're DXing. I'll never forget my encounters with our exchange students, and every time I hear a new Latin station, I'll be thinking of them.

BOOK REVIEW - THE INTERNATIONAL ATLAS

By Dong Snyder

Always being one that wants to know where I'm at, or where I'd like to be, I have continually been in search of an atlas that will show me the exact location of that elusive Russian transmitter site or the surrounding terrain of Lhasa, Tibet. I believe my search for such an atlas has come to an end, thanks to my good friend, Bob Bodell, who is also a SPEEDX'er and a cartographer.

The International Atlas, published by Rand McNally, copyright 1974 is indeed a superb step up from the usual atlas found on the library shelf. Containing 315 pages of full color maps and charts, it also includes an index listing over 160,000 places, along with their geographical coordinates.

The maps feature a combination of shaded relief and layer tints for comprehensive portrayal of terrain (similar to a view of an astronaut) and of course, provide extensive breakdown of political areas. There are six basic map styles presented: portrait, political, physical, strategic geographical area, urban area and the world scene. There is no emphasis placed on the US, as in other atlases. Instead of consuming fifty or more pages with a map of each state, there are only eighteen pages of state maps, and another 20 that show urban areas of the US. But again, there isn't much that this atlas has left out.

Its large size, 11"x 15" (28 x 38 cm.), contain a total of almost 550 pages printed on medium weight paper and is most sturdily bound. It sells for a moderate price of 35.00 dollars, an investment that I and my family have found fruitful.

For the avid shortwave, utility or mediumwave listener, this is the atlas.

Next month is my special anniversary column with a special article written by a very special author--Mark Twain. What does he have to do with DXing? You'll see next month. Have a pleasant June and best wishes & 73's,

Arthur

RADIO BUEA

by

David C. Chaffin, M.D.

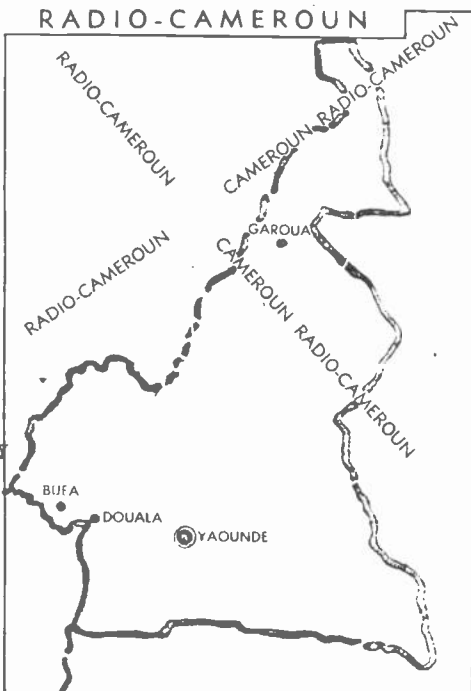
(The following article is based on a personal interview with Mr. Ngilewih Asunkwan, Chief of Service, Radio Buea. I wish to thank Mr. Asunkwan for his time in providing this information.)

Radio Buea, as radio outlets in other developing countries, had its humble beginnings. It began radiating 1 kw from a mobile station with a vertical antenna in 1961. Cameroon gained its independence on January 1, 1960. The frequency of this mobile station was approximately 10 MHz. In 1967, the power was up to its present 8 kw. Although a few people could easily operate the original mobile station, the staff has grown to about fifty at present, not counting part time workers. The present antenna is horizontal and there are now two transmitters obtained from TRT (France) which were installed in 1967. Since Cameroon is a bilingual country, the two main languages are

naturally English and French. In addition, four vernacular languages are used each day of the week on a rotating schedule. These are only the main dialects. There are probably over a 100 in this country. The trend is now, however, to decrease the number of dialects over the air. For example, four dialects are to be chosen to cover the English speaking portion of the Cameroon, two each for the Northwest and Southwest provinces. The programs include news, music, sports, religious programs, French by radio, interviews, as well as specialized programs for youth and women. The station at Buea often relays Radio Yaounde, so as a SWL, you should be sure to catch the ID.

As far as the aim of Radio Buea, it is primarily to the country of the Cameroon, being government owned and in the regional station class. The aims of this station echo the country's motto: "Peace-Work-Fatherland". Its purpose is political, social, and economic, to consolidate national unity, maintain peace, and not inflame public opinion (Cameroonians are a sensitive, critical, and outspoken people, and they know their rights), and to enrich and promote the Cameroonian culture. Once this primary aim is fulfilled, it can go on to meet secondary aims. Its western neighbor, Nigeria, is closely tied to Cameroon historically. Land which is now in the western portion of the Cameroon was at one time Nigerian soil. There is an especially close tie with the Northeastern and East Central states in Nigeria, and many listener letters come from this area. From farther north in Nigeria, about twenty music requests per week come from Hausas. Other African countries with a sizeable listening audience include Gabon, Chad, Equatorial Guinea, Congo, and the Central African Republic. Outside of the African continent, its tertiary aim is to inform those abroad about the country's objectives, opinions, and ideas.

The primary aim being Cameroon and its inhabitants, wise broadcasters must ask questions about their listening audience. How many own receivers? No answer to this one is at hand, but surveys are to be taken in the future to determine this. One bright spot in this area is the fact that more, less expensive receivers are available which will increase the receiver count in the country. What personality type hears us? It has already been mentioned that Cameroonians are sensitive and outspoken. Mr. Asunkwan spoke of letters he had received from listeners on the opposite side of Mt. Cameroon who could not hear the station at certain times. They demanded



(not requested) that changes be made so they could hear the station, and these changes were made.

Of special interest to the DXer, what is Radio Buea's attitude toward reception reports? They encourage them, especially from listeners outside the country. All reception reports are kept for future possible audience research. There is a special Listener's Viewpoint program covering criticisms on program policy, poor reception (mostly internally), and this nets about a hundred letters per week. Reception reports come from mostly European countries, and also sizeable numbers from the U.S.A., Japan, India, Israel, and Turkey. Mr. Asunkwan, to whom reception reports go for approval, states they receive an average of fifty reception reports per week. He was complimentary to DXers for their cooperation in providing return postage in the form of IRCs. He said that they used OGS (Official Government Service) to answer some reports, but that it rarely occurred.

Future plans include a short-wave outlet in Bamenda (Anglophone), and medium wave outlets in Bertua (Eastern Province) and Bafoussam (Western Province) in the French area. In the future the power of Radio Yaounde is to be increased to 100 kw, and also the power of Radio Buea is to be increased within financial resources.

Radio Buea continues to attempt to Cameroonize the nation. There are problems present. As broadcasters, they are young. As in other developing countries, inadequate funds necessitates inadequate personnel compliments. Dealing with a largely illiterate public also has its own problems. But Radio Buea is trying, tune in 3970 and 6005 kHz and see how.

(1/75 rfb)



A WORD OF ENCOURAGEMENT TO THE NEW DX'ER

It has been our experience in the past, on contacts with many people, both young and old, that they have a tendency to hold back, telling the world of their DX achievements and asking for help or advice, from members of the club that they belong to. They look at the VIC & HIC (verified & heard in countries) ratings of the older members and say to themselves "Oh what's the use, I will never be able to accomplish what they have." SUCH IS NOT THE CASE! Remember that all of us had to get started at one time or another and it is getting tougher & tougher for old timers to add to their ratings.

This gives YOU the opportunity to catch up with the old timers, or at least get closer. We recall it took a long time for a young chap that corresponds with us, to tell us he had heard 40 countries & had 25 of them verified. He sort of felt ashamed to tell us, of what he considers a very poor total.

After many letters back & forth, he now feels free to ask for advice and help to increase his knowledge of this great hobby. He has increased his veries and reports out considerably, by just asking questions that he once hesitated to ask. We might point out that we have received many a tip from a new comer to the hobby that has helped US increase our totals. The whole idea behind a club is to exchange information, either through the monthly bulletin or via personal letters.

The entire staff of SPEEDX as well as most of the active members, are usually most willing to help other SPEEDXers add to their knowledge and enjoyment of the hobby. How are you going to learn if you don't ask? What you learn today, you can pass along tomorrow, to others that need help.

So, you new comers out there, write to somebody. Ask that question that has been bothering you. It will help the person you write to if you will include a SASE (Self-Addressed-Stamped-Envelope). And by all means, share what you learn and what you log, by contributing to the bulletin.

(adopted from an article by Larry Lundberg by HQS)

JUNE CONTRIBUTORS PAGE

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

1 ANDERSON, JULIUS	NY.....??	1 MOORE, DON	PA...XCR-30
1 BAKER, MARK	IL..HA-129X	1 MONTGOMERY, JACK	HI...HA-600A
4 BARON, BRUCE	PA.....R4C	3 MOSMAN, JOHN	IL.....SW4A
3 BEAL, HOBART	WA...SB-313	2 MULCAHY, GIARAN	ENG...U-800
1 BERNSTEIN, ROGER	GA...DX-160	1 NEUMANN, SERGE	MI..AR-880M
4 BIXBY, MARK	CA...HA-225	2 NUTTER, RON	KY..UNEICO7
2 BODELI, BOB	OR...SPR-4	1 OLIVER, WAYNE	NH...DX-150A
1 BOYCE, DENNIS	WA..GE-PORT	2 PIMBLETT, NIGEL	ALB..DX-150A
3 BROOKER, JIM	MI.CRF-5100	4 QUIROZ, THEODORE	TX....SPR-4
1 BUTTERFIELD, BOB	MA...HO-100	1 RADTKE, CARL	CA....SPR-4
4 CAPIII, JIM	HI...SPR-4	2 REDMAN, RON	IL.PRIS1660
1 CHABAK, MICHAEL	CO...DX-150B	1 ROBINSON, NANCY	AL....SPR-4
4 CLEVELAND, BILL	CA....SPR-4	1 RODRIGUEZ, ED.	P.R..D-7000Y
2 CRAWFORD, WM.	SCOT..TR-6002	1 SCANNELL, MARK	MA...SW-717
6 CREWS, DEMPSEY	FL..DX-150B	2 SCOTT, ILOYD	FL..FRR-502
1 DAVIDONIS, LEN	MA...B-9300	1 SEYMOUR, WOODY	NC....SPR-4
4 DAWSON, ARCH	CA....SPR-4	5 SMITH, TOM	FL..HA-600A
1 DURANT, HENRY	THAI...SPR-4	2 SMITH, WADE	MA...SX-190
3 EARHART, KEN	PA...SX-190	1 SMITH, WOODY	TN..TRANS-0
2 FAMULARO, RALPH	NJ...XCR-30	4 SNYDER, DOUG	CA....SPR-4
1 FISCHER, KLAUS	W-GERM..GRUNDIG	1 SPANGLER, RON	VA...DX-160
4 GAEDE, ALLAN	CA...HQ-180	2 SRIDHAR, R.	INDIA..EBS-124
1 GAVARAS, TOM	MN...HQ-180	1 SVINICKI, JEROME	MI....SPR-4
1 GREEN, DALE	UT.....??	1 SZOT, KEVIN	CA..NC-183D
1 GROVE, KEN	HI...SPR-4	4 TALBOT, IARRY	WI...SB-313
2 HANDLER, STEVE	IL...SX-190	1 TANNENWALD, LEON	NY.NORMEADE
1 HARDING, BARRY	CA..DX-150A	1 TESTA, FRANK & KAY	MA...DX-150
3 HAUSER, GLENN	OK...HQ-160	5 THOMPSON, GLENN	NM..HQ-145A
2 HOLBROOK, HANK	MD...SP-600	1 TRZASKUS, ROSEMARY	IL...S-125
1 HOWELL, AUSTIN	B.C...SX-190	2 TRUBEE, BILL	HI...SPR-4
3 JONES, JACK	MS...DX-150	4 VECCHIOIA, JAMES	PA.....R4C
3 JUNQUA, "GIB"	JAPAN.....R4C	1 VOCKERHATH, JOHN	PA...SX-190
4 KEJIEY, BOB & RITA	TN..CRF-230	2 VOGEL, WENDELL	PA...SX-122
1 KERRIGAN, PATRICK	IL...HA-230	1 VOKES, BOB	TX...DX-150B
2 KIYOMIYA, T.	JAPAN...SPR-4	1 WALTERS, JOHN	NJ...R-1530
2 KOIZUMI, HIROKAZU	" "...9-R59D	3 WARREN, RON	CA.....R4B
3 KUBINSKY, JOHN	PA..P-SONIC	2 WHITEHEAD, JIM	MA...SX-190
2 KUSALIK, ED	ONT...R-388	1 WICKETT, BOB	MD...SB-310
3 LEVIN, JAY	NY...DX-160	1 WILSON, BOB	IL...XCR-30
3 MAC GAY, DON	AZ....R-392	5 WIRRELL, BOB	MA...SX-110
1 MAYOR, ALAN	IL...SPR-4	4 YAJKO, BOB	PA...DX-160
4 MERCADO, MARJO	CA.....R4	3 ZILMER, BOB	WI...SPR-4
4 MIKLEJEWSKI, STAN	NH...D-7000	1 ZIMAROWSKI, MARK	MA...DX-150
3 MILIER, AL	OM...HRO-500	4 ZINK, GEORGE	CA....SPR-4
2 MOOR, DAVID	IL.....??		

Station Skeds has not shown up, therefore no credits given. Credits will be included in next months count, if and when the column shows up. I hope Mark is OK, I wrote him last month, perhaps my letter to him was to much HI.

This month we welcome four first time reporters, they are: David Moor, IL; (let me know your receiver Dave) Jack Montgomery, HI; Nancy Robinson, AL; and Larry Talbot, WI. We hope to see your names often on this page and other pages in SPEEDX.

Summer DX is really here, I certainly wish to thank the 89 contributors that stuck to their rigs, and sent their loggings to the respective editors. I know that the editors certainly appreciate your support.

Next month there will appear in SPEEDX an announcement, that should cause all of us to keep the old rig warm, also see second paragraph of Jim---Whitehead's column re summer DX. Until next month, Oliver Ellsworth, 2043 West 75th St. Los Angeles, Calif. 90047 73 and better DX.

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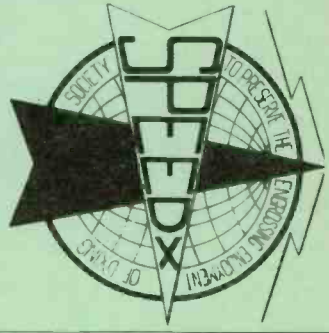
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