

SPEED X

*the dx radio magazine
for active shortwave listeners*



**"HAPPINESS"
IS
STAYING UP AND HEARING
A NEW DX STATION.**

July, 1979

Vol. IX No. VII



KEYNOTES



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

SMILE! WE ARE 8 YEARS OLD THIS MONTH



Happy Birthday

CONGRATULATIONS TO 7 NEW FULL MEMBERS

DAVID AUDETTE WILBRAHAM, MA	LEWIS MORRISON ASHVILLE, NC	ROBERT OTTOWAY DENVER, CO
BRIAN ALEXANDER MECHANICSVILLE, PA	DAVID McNALLEY HUNTINGTON BEACH, CA	
JOHN SANDERSON TUCSON, AZ	JOHN FINDLATER UNIVERSAL CITY, CA	

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

SPEEDX WELCOMES THE FOLLOWING NEW ASSOCIATE MEMBERS

ERNEST MURPHY MILL VALLEY, CA	JOHN KELLEY VICTORIA, B.C.	ALLEN BRATLIE ST. PAUL, MN	JOSEPH McLAUGHLIN BALTIMORE, MD
TERESA PHILLIPS MIDDLETOWN, CT	CHRIS HASSELKUS MAUMEE, OH	CHARLES CONNELL FORT BRAGG, CA	WILLIAM McDAVITT TABERG, NY
GARTH ROTRAMEL BERRYVILLE, AR	RALF MUNSTER DECATUR, GA	MIKE DIECKMANN ST. LOUIS, MO	THOMAS TURNER NEWFOUNDLAND, CAN
KEVIN LIPPMANN SEMINOLE, FL	FRED MARSHALL SAN PEDRO, CA	MARVIN NELSON PUEBLO, CO	CARL DURNAVICH STONE PARK, IL
FERDINAND STYRA YORKTOWN, TX	LEONARD STOCK SPENCERPORT, NY	BOBBY RIDGE JR GOLDSBORO, NC	MURRAY MANN CEDAR RAPIDS, IA
KEN CUNNINGHAM EL CAJON, CA	IVAN EVILSIZER SAN DIEGO, CA	PAUL SAUNDERS HOLLYWOOD, FL	STEVE CALVER LONDON, ENGLAND
LAWRENCE FOTHERINGHAM ONTARIO, CANADA			

We are looking forward to hearing from you often. SPEEDX urges you to support the various sections by sharing your loggings and knowledge with the full membership. We need you.

CENTRAL DISTRIBUTION EDITOR

A reminder that Bob Zilmer, P.O. Box 697, Milwaukee, WI 53201, is our CDE for those that wish to mail their loggings to one point. Keep in mind that his deadline is the 7th of the month, whereas the editors deadline is the 12th of the month. Loggings not meeting the respective deadline, will not appear in the up-coming publication.

SPEEDX EDITORSHIP CHANGE

Beginning immediately, loggings for the Asia/Oceania column are to be mailed to Jim Mayer, 1139 La Senda Drive, Fullerton, CA 92635. All items pertaining to the column are to reach Jim on or before the 12th of the month. This is a permanent assignment for Jim. Jim has done an excellent job in filling in on the Europe and Skeds columns, and certainly deserves this assignment.

RESIGNATION OF A/O EDITOR

We are going to miss Bob Bodell as the Asia/Oceania editor. Bob has had to bow out because of other commitments, he felt that he could no longer do justice to the column due to additional pressures. Bob took the assignment as the A/O editor with the August 1975 issue of SPEEDX. That is a long time of doing an excellent job. Bob intends to remain as a Board of Director, and will devote time to special projects for SPEEDX.

DEUTSCHE WELLE MONITOR

SPEEDXER Dan Carrier, 681 Antrim Drive, Apt # 2-A, Newport News, VA 23601 has been a Deutsche Welle Monitor for approximately 3 years, and is interested in receiving comments from SPEEDXERS in regards to Deutsche Welle programs, program times, contents, length of programs, frequencies, etc. He will then compile all data received and pass it on to Deutsche Welle, in hopes of inducing DW to program the listeners wishes.

ANARC CONVENTION '79 RECORDINGS

Ken Burgess, Apt D 337-2nd Ave. N.E. Swift Current, SA Canada S9H 2E2 (306-773-2663) would like to receive cassette recordings of this year's ANARC sessions in Minneapolis. Please contact Ken if you have taped them, and willing to make copies of the tape. Please advise Ken of costs, and if you will furnish the cassettes, or if Ken should mail cassettes to you for reproduction.

AREA GET-TOGETHER

A Northeast area get-together is planned for Sunday July 22, starting at 10 AM at the home of "Kap" Kapinos, 86 S. Quinsigamound Ave., Shrewsbury, MA 01545. Three options for food. 1) Bring your own, 2) a \$2.00 donation, and Kap takes care of it, 3) several fast-food and convenience stores within a five minute walk. All DXers are invited. Contact Kapinos at 617-798-0378 or Bob Wirrell, 85 Stillman Ave., Brockton, MA 02402.588-6313.

SOUTHERN CALIFORNIA AREA DXERS

The SCADS meeting of June 9th, was a huge success with 103 attending from San Diego to Ventura and Twentynine Palms. All came by auto except one! Our very special guest came from Hilversum, Holland; Mr. Tom Meyer, Host of the Happy Station Program, on Radio Nederland.

Tom was presented with proclamations from Governor Brown, Mayor Bradley of Los Angeles, a letter of recognition from the White House, and a special plaque from the Mayor of Huntington Beach, along with a key to the city. Tom spent the entire day meeting with and talking to the attendees. He brought many special 50th anniversary items from Radio Nederland, that raised \$119.00 in the HAP auction.

Shortwave items donated by many of the attendees, netted \$803.75 for HAP in the very spirited HAP auction conducted by Jim Young.

NOMINEES TO THE 1979 BOD ELECTION

The nominees listed in alphabetical order are:

BLAIZE, SANDY-LA	BUTTERFIELD, BOB-ME	CRABLE, VERA-ID
DONLY, BOB-SC	ELLSWORTH, OLIVER-GA	GETZEL, ARTHUR-NY
HANSEN, CHRIS-NY	HICKMAN, MEL-OR	JOHNSON, DON-GA
JONES, JACK-MS	KAWCHAU, KARMAN-CAN	SEYMOUR, WOODY-NC
THOMPSON, PEGGY-CA	ZILMER, BOB-WI	

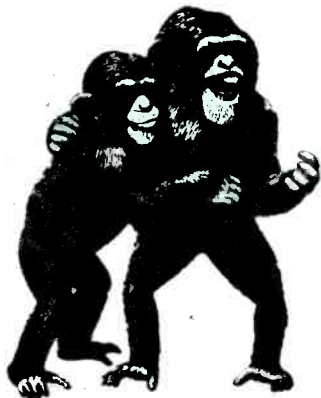
A line drawn through the name indicates that the member has declined the nomination. Candidate statements will appear in the August issue of SPEEDX.

The names of all candidates seeking election will appear on a ballot that will be inserted in the September issue of those eligible to vote. We urge all full members to support SPEEDX by voting for three candidates of your choice.

Lets hope the three best candidates win.

STAFF PIC'S & BIO'S

By popular demand, SPEEDX plans to introduce the entire SPEEDX staff by publishing their pictures, radio corner and a short biography. The first pic & bio to reach this editor is shown herein.



HIS LATEST EQUIPMENT
MODIFIED BY RADIO WEST

SPEEDX'S CURRENT PUBLISHER
AND "LIVE IN"

Although he has been DXing continuously since 1971, he has never been able to add Radio Nederland-Bonair to his DX catch. Your editor believes that is due to his constant listening of island music from Radio Tahiti.

TIME SIGNAL STATIONS

The 8th edition List of Time Signal Stations is an attractive 40 page booklet compiled in close cooperation with all Time Signal Stations shown therein. The booklet can be obtained from Gerd Klawitter, Ochtrup Str. 138, D-4430 Steinfurt, Fed Rep of Germany, for 4.-DM, payment can be made to the German Postscheckamt (Postal Account Office) Dortmund, Postschecknummer (Account number) 1025 76-462. Or you may send 5 IRC's to Gerd Klawitter.

ANARC NEWSLETTER ITEMS

RADIO CANADA INTERNATIONAL TO ADD FEATURES ON DX DIGEST

This month marks the second anniversary of RCI's weekly program for DXers. To celebrate the event, the program has been expanded from two editions to four, and the DX News Report on each of these four editions will be different. Congratulations to RCI and Ian McFarland.

According to Ian McFarland, Host, new features include, a monthly report from ANARC, and in coming months, biographies of ANARC Clubs. Also late news on receiver and equipment reviews by Harold Sellers, Chairman, ANARC DX Equipment Information Committee; Women's features by Arlene Luskin, Washington DC Area DX Association. Continuing will be news by Glenn Hauser, Steve Webster and John Garner; Propagation Forecasts by David Snyder; and Handicapped Aid Program up-dates by Jeff White.

For schedules listing DX Digest in Europe and Africa, and North America, write: The DX Digest, Radio Canada International, P.O. Box 6000, Montreal, Quebec, H3C 3A8, Canada.

WHAT IS ANARC?

ANARC NEWSLETTER is available for 25 cents or 3 IRC's; annual subscription fee is \$3.50 in North America & \$5.00 elsewhere. ANARC 557 N. Madison Ave. Pasadena, CA 91101.

SPEEDXTRAS

THE PROJECTS DIVISION OF SPEEDX

PROJECTS COORDINATOR

MEL HICKMAN
7409 S. E. 82ND AVE.,
PORTLAND, OR 97266 USA

WHO'S DOING WHAT...

Here's a brief run down of some of the projects under way at this time. If you have any interest in one or more of these projects, why don't you note the person listed with the project and share your ideas, information, and time.

.....Powerline and other man made noise problems are going to be covered in a BIP in the works by Terry Colgan of 8120 Ripplewood Drive, Austin, Texas 78758

.....A Guide to African DX, similar to the Guide to Soviet Broadcasting, is the object of efforts by African section editor Wayne Oliver at 1 Germain Avenue, Bradford, MA 01830.

.....Matthew Brown of 3310 Picardy Court, Mequon, WI 53092, has a number of contacts with European stations and is using those in his work on a Guide to European DX.

.....Have you avoided listening to the tropical bands because you can't make heads or tails of all the Latin American stations? Jack Jones of 304 Robinhood Road, Jackson, MS 39206, has volunteered after severe arm twisting to head a group to produce a Guide to Latin American DX.

.....Fluent in languages other than English or have access to someone who is? We need your help in the production of the new Foreign Language Reporting Guide, so drop us a line here at SPEEDXTRAS Headquarters.

.....If you are interested in seeing a complete guide to language use and identification with sample identifications, key sounds and phrases, and often heard words and numbers, along with types of music aired by stations in different countries, then John Trautschold is the person you need to contact. You can reach him at the SPEEDXGRAM address or through us.

Once again let me add that if you have an idea or suggestion for a project not listed above, please feel free to drop us a note or letter with the details. All of the projects listed above came from ideas suggested by SPEEDX members.

IT'S TIME FOR A THANK YOU

I've been asking for volunteers pretty heavily in these last two SPEEDXTRAS appearances and, while we need your efforts to get these projects going, it is important to thank each and every one of you that responded to past cries for help. It was very encouraging to have such a good response from last month's request for assistance. Thank you all very much.

While we are on this subject, another big bouquet should go to Bob Bodell for his excellent work on the Asia/Oceania column. Bob took over the column after I had made shambles of it and has done a super job.

NEW AWARD ANNOUNCED

Good news for you listeners of stations located in the Pacific Ocean. We have decided to add an award just for you. The Pacific Listener award has been added to the Listeners Awards section requiring reception of SWBC stations located in the Oceania section of the globe. Awards will be issued for reception of 10, 15, 20, 25, and 30 stations with no QSL's required. Applications for the award, along with 50¢ for Full Members and 75¢ for Associate Members should be sent to SPEEDX Awards Chairman Jack Jones at 304 Robinhood Road, Jackson, MS 39206.

Some of you newer members might be scratching your head and wondering what all this awards talk is about. For the complete scoop on the SPEEDX Awards Program, send Jack a SASE and join the fun.

MEET THE STAFF

Ever wondered just what sort of weird characters are editing the columns and making the decisions that shape the destiny of SPEEDX? Beginning in the October issue (hopefully), we will have a series of "Meet the Staff" articles featuring a different public servant each time. We might even print a picture so you can see if your mental images are correct.

We are waiting for October to arrive before starting the series as by then we will be past the election and the new club officers will be installed. I mention the election because I want to urge each one of the Full Members to exercise their privilege to vote. I know you have heard it many times, but IT IS YOUR CLUB. Besides, voting gives you another privilege, that of griping when things aren't going the way you think they should be (hi!).

ARE YOU PROPAGATIONALLY INCLINED?

All of the different guides to area DX listed on the first page will include a section of the best time and frequencies for that area's DX. We need someone who can work on a propagation chart for each area. If you have some experience in predicting reception conditions or have a good idea when Skylab is going to fall, I'm waiting to hear from you.

AND NOW, A WORD FROM OUR SPONSOR...

Here's a small project all of you SHOULD do, and it takes only a few minutes. While not trying to get SPEEDXTRAS work done, I am employed as a Community Service Officer in the Crime Prevention Unit of the Multnomah County Sheriff's Office. Every day, we get crime reports on home burglaries showing where people had their TV's, stereos, and CB/SWL/HAM rigs ripped off.

A big deterrent to this type of crime is taking the time to ENGRAVE YOUR PROPERTY. Its very easy to do and takes little time, as I said. You need to purchase (for under \$7.00) an engraver or borrow one from your local police department or sheriff's office. Then you engrave your DRIVER'S LICENSE NUMBER in some inconspicuous place on ANYTHING that might be stolen; receivers, tape recorders, televisions, small appliances, anything. Then make a list of all your valuables including a description, serial number, location of your mark, and the estimated value. Put this property list in a safe place, such as a safe deposit box.

If you need more information, contact the crime prevention section of your local law enforcement agency or contact me here at SPEEDXTRAS Headquarters. An ounce of prevention can be worth an SPR-4 (sorry, Ben Franklin).

IN THE FUTURE...

Part of the job description for the Projects Coordinator is having a fertile imagination and being able to work the SPEEDXTRAS crystal ball. While looking into its cloudy depths recently, I saw, between commercials, these ideas: a complete set of area DX guides, a BIP on logs and record keeping, a BIP on the storage of QSL's, maybe a BIP on satellite DXing... Until the future arrives, Good DX, Enjoy the Summer, 73's, and God Bless, *WJL*

PROGRAM

SPECIAL SPEEDX ANNIVERSARY EDITION
JULY 1979

WOODY SEYMOUR, JR.
P. O. BOX 848
SANFORD, NC 27330

PANORAMA

Welcome to the special anniversary edition of Program Panorama. This month the column has been expanded to three pages in order to present a feature on shortwave programming in the year 1934, but first, let's look at shortwave programming in the year 1979:

BRAZIL...The English service of Radiobras to North America is now heard daily at 0300 GMT on 15290 kHz. The daily hour program consists of short features sandwiched around lots of music from Brazil. Some of these features include Tourism in Brazil, The Visual Arts, Questions and Answers and The Brazilian Cinema. On Sunday The Weekly News Review and Sunday Music Special can be heard. The address of Radiobras is in last month's PP. Write for a free daily schedule of programs. (Dave Piszczek, NY; Jack Findlater, CA; direct)

RADIOBRÁS



CANADA...DX Digest can now be heard in four different editions each Sunday over Radio Canada International. To North America, Edition 1 can be heard in 0000 and 0100 GMT transmissions, #2 at 0200 GMT, #3 at 0300 GMT and #4 at 0400 GMT. This schedule continues until the change back to standard time in November. Glenn Hauser's reports can be heard during #1 and #3. News from Canadian SWL clubs will be featured in #2 and #4. News of ANARC and Women in SWling will be featured on future editions of DX Digest. When standard time returns in November, #1 can be heard at 0700 GMT only and #2,3 and 4 follow at 0200, 0300 and 0400 GMT respectively. June is the 2nd anniversary month of DX Digest. (Thanks to Ian McFarland, RCI).....The shortwave program that was to have been broadcast by the CBC Northern Service never lived to make its debut (see last month's PP-Editor). It was cancelled before its first broadcast. If you want to hear DX news from Canada, the new four part DX Digest is your best bet. (Gregg Goetz, MI)

T. I. F. C.

Jaro del Caribe

COSTA RICA...TIFC, The Lighthouse of the Caribbean, has the following English language schedule: 0200-0305 GMT daily on 5055 and 9645 kHz (among other frequencies).

MONDAY...Hour of Decision, Unshackled; **TUESDAY...**Guidelines, Hymns, African Observer; **WEDNESDAY...**Words of Hope, Song in the Night; **THURSDAY...**Guidelines, Revivaltime, Bible Adventures; **FRIDAY...**Guidelines, Global Evangelism, Songtime; **SATURDAY...**Personally Speaking, Hymns, World of Religious News, Way to Life; **SUNDAY...**0135-0305 GMT: Voice of Salvation, Back to the God Hour, Christ to the Nations. Further English programming can be heard from 1840-2055 GMT on Sundays. Most of TIFC's English programming is syndicated. (Jack Findlater, CA)

ETHIOPIA...ETC...The Lutheran World Federation is moving towards filling the "gap" left by the nationalization of ETLF in March 1977. Rather than trailblaze with a new station, the group intends to work in co-operation with two existing broadcasters, FEBA Seychelles and the Sierra Leone Broadcasting Service. Before it left the air, ETLF was one of the outstanding religious stations in the world. (Lutheran Standard, forwarded by SPEEDXer Leland Swenson of WI)

FRANCE...A reminder to tune in to Paris Calling Africa from Radio France International, daily from 1600-1700 GMT. Interesting features are presented in each edition, and a mailbag show is presented on Thursday and Sunday. (Pete Grenier, CA)

GUATEMALA...TGNA broadcasts on 3300 kHz with English from 0300-0430 GMT. The programs consist of a conglomeration of religious programs in a format similar to that of HCJB. However, a Spanish program consisting mainly of Latin American music precedes the English broadcasts. Try around 0100 GMT. They also QSL. (John Pavelka, NY)

BBC WORLD SERVICE

has the following program highlights for July: I Wish I'd Met... in which five speakers tell which famous person from the past they would like to meet if it could be arranged. One famous "person from the past" on the series is former President Harry Truman. Listen Saturdays @ 0815, 1315, Sundays @ 2015, Tuesdays @ 0315.....The Promenade Concerts begin this month. Listen on the 21st, 23rd, 26th and 31st at 1830 GMT.....Down With Politics is a series in which Charles Chilton illustrates English history through verse and song. Listen Sundays @ 2115, Wednesdays @ 1615 and Thursdays @ 0330 & 0945 GMT for a most interesting new series. (London Calling, July 1979)

JAPAN...Radio Japan information programs, continued from last month... Sketch of Japan is a plain and concrete explanation of basic matters concerning the life of the Japanese, their traditions, culture, natural environment, etc. In addition, many other information programs are presented in each transmission of Radio Japan. These include Tokyo Calling (which has a good reputation for its DX news) and Tokyo Report...Let's Learn Japanese is a popular Japanese lesson program, now presented in twenty languages. (Bob Zilmer, WI)

LEBANON...Radio Lebanon now has a new frequency of 15285 kHz, after changing from two prior frequencies. However, this change has not been in vain, as reception has dramatically improved. English programming begins at approximately 0230 GMT, and it consists of a 15-minute news bulletin, followed by pop music until shortly after 0300 GMT. (John Pavelka, NY) The transmission appears to be a tape of a domestic program earlier in the day. The pop music appears to be included simply to round out the half-hour. The news reader and DJ that might sound familiar is Lana J. She has been an announcer on Radio Lebanon for many years (at least 10 years), and she also does a pop music program for Radio Kuwait's English Service. (Woody Seymour, Jr., NC)


LIBERIA...ELWA has some interesting English programs in their daily Monday-Friday schedule: Peppercorn Parade at 0600 GMT features, morning prayers, public service programs and a news summary. 0630--Talking Book; 0637--Music By Request; 0655--Liberian/African News; 0700--BBC World News; 0710--Through the Bible; 0740--Good Morning, Liberia!; 0900--signoff; 2200--World News From VOA; 2245--Think on These Things; 2300--signoff. This is only a partial list of ELWA English programs. More will be given as space permits. (Wesley Rogers, Canada)

SWEDEN...(Clayton Stapleton, TX): "Radio Sweden has an excellent DX program, Sweden Calling DXers. George Wood is the announcer of the longest running DX program on shortwave. Since 1948 Radio Sweden has been bringing SWLers this weekly program. Radio Sweden is one of the stations that doesn't broadcast just to be broadcasting; they seem to be broadcasting to each listener. That is one of the many reasons that I like to tune into Radio Sweden."

(Gregg Goetz, MI): "I listen to Radio Sweden for one simple reason--their programming is the best on the shortwave bands. I like Sweden Calling DXers, and another favorite of mine is Mailbag, which has a different topic each week dealing with anything from A-Z."

USSR...(William Rudolph, AL): "For about a month I have been listening to Radio Moscow World Service in the morning before going to work. At 1030-1300 GMT, RMWS can be found on 9600 kHz. After 1300, it can be found on 11855 kHz. I have found RMWS very entertaining. Here is a sampling: MONDAY, 1125--Music Break; TUESDAY, 1432--Disco Panorama; THURSDAY, 1115--People and Events; 1232--Music At Your Request; SUNDAY, 1415--Culture and the Arts; 1432--Moscow Medleys. I also like Music From Moscow which comes on daily at 0045 and 0245 GMT.".....Just For Fun can be heard Mondays @ 1230 GMT and Fridays and Sundays @ 1630 GMT. Program For Stamp Collectors is aired Thursdays @ 1330 and Saturdays @ 0530, 1530, 1830 and 2130 GMT. DX Club is scheduled Tuesdays @ 0830 and 1830 GMT. (Direct)

Next month, more Radio Moscow and IBA! And now, the special feature!

Annual Subscription to cover postage 5/-	<h1 style="margin: 0;">British Broadcasting Corporation</h1> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">EMPIRE</div>  <div style="text-align: center;">SERVICE</div> </div> <h2 style="margin: 10px 0 0 0;">Programmes for all Transmissions</h2>	No. 10 DECEMBER 9-15. 1934
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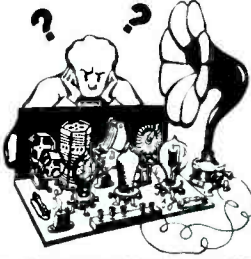
How would Program Panorama have looked in 1934? The purpose of this special page is to give SPEEDXers an insight into shortwave programming 45 years ago. A big thanks to HENRY SHAW of NJ for the information on this page. Let's look first at the BBC Empire Service.

The BBC's Empire Service was not a 24-hour a day service in 1934 like the present day BBC World Service. The transmissions were generally ninety minutes to two hours in length. The news was not as prominent as with the BBCWS of today. The Empire Service started out each transmission with Big Ben's impressive tones. Classical music was a main staple, though some drama was broadcast. The program schedule even published the specific selections of music to be heard on a particular program on a particular day. Here are some other programs of note:

The Phantom Broadcast(London with the Lid off)---presented with the cooperation of the Outside Broadcasting Department. The eavesdropping microphone will travel around London by night and overhear typical sounds, or visit typical spots.*****Talk--The Earliest Days of Football with Mr. C. Whitaker-Wilson*****Talk--Under Big Ben by Mr. Howard Marshall*****The News. Daily Produce Notes, supplied by the Intelligence Branch of the Imperial Economic Committee; also, Fruit Market Notes*****Tom Jenkins at the Organ of the Plaza Cinema, Swansea. As you can see, things have changed somewhat over the years!

RADIO MOSCOW

Yes, there was a Radio Moscow in 1934. For June 1934, RM broadcast on Sunday, Monday, Wednesday and Friday to Britain from 2100-2200 GMT. Also, Sunday broadcasts from 0300-0400, 1100-1200 and 1500-1600 GMT were scheduled. Here are some of the programs listed: The Jewish Question--A Talk, The Moscow Park of Culture and Rest, The Bolsheviks in the World War, In the Soviet Countryside, Prospects for Youth in the USSR, Women's Half Hour, A Worker in the Soviet Riviera, Busmen in the USSR, Before the Revolution and After, Four Years of the Stalingrad Tractor Plant, Sport in the Factory(that's one program I would not want to miss-Editor), Social Insurance in the Factory, Bolsheviks in the Tsarist Courts of "Justice", An Interview with Lenin, Race Struggle or Class Struggle?, Office Workers in the USSR, and The Theatre in the Village. Moscow Mailbag was not in existence, but there was a Question and Answer feature. One evening a month appeared to be a "Literary Evening." Music was played, but not often. News from the press was presented in each broadcast...The schedule provided appeared to be only for the UK broadcasts. Perhaps one of our readers has a North American Service English schedule from Radio Moscow from the 30's or 40's. If you do, please send them in to PP today! Also, schedules from other broadcasters will be welcomed. With sufficient interest in this area, Program Panorama will periodically feature items from short-wave broadcasting in the past...And so, with this special feature, we conclude another month. Next month, I hope to have a surprise programming feature. A final word--if your contribution did not appear this month, don't give up hope. PP has developed a backlog of contributions, and we'll get to yours shortly. Thanks to all! 73, *Woody* 6/16/79



TECHNICAL TOPICS

Editor

SANDY BLAIZE

AVC	?	SSB
AGC		LSB
GAIN		FADE
TUNER		NOISE
IMAGE		Smeter

Send Technical Questions & Technical Material To: ➡

E. V. "SANDY" BLAIZE
417 RIDGEWOOD DRIVE
METAIRIE LA 70001

SOURCES OF CURRENT EQUIPMENT....NEW ITEMS.....ETC.....

Below, are a few new items and equipment sold by the firms mentioned. I hope to add to this "list" from time to time.

RADIO WEST, 3417 Purer Rd., Escondido, CA., 92025...Will be releasing a new catalog soon. Grant Manning 'phoned me the other night and wished to tell everyone who sent for his catalog and didn't get one, that the Postal Service has been terrible there lately! (Our Editorial/Publishing Staff can vouch for that!) So please send your request again and blame Uncle Sam's "U. S. Mule"! They are now stocking the New Panasonic RF-2600 for around \$200. This set is lighter/smaller than the RF-2900 and VERY similar. (See page 24 of WRTVH for 1979--Model DR-26) A new 12 volt D.C. adapter for powering the FRG-7000 is now available. Digital dial for the Hammerlund HQ-180, 5 digits, now on the shelf. Available as a "hook-it-up-yourself" kit with very simple directions or ship your set to them for installation for a few bucks extra. New Filter available with 4 khz. selectivity for FRG-7000--\$25 kit or \$40 installed. Sanserino BC loops on special for \$65. (Regularly \$85) Selectivity mod. on ICF-5900 Sony--\$25 postpaid. Last but not least, a NEW-"built-in" digital dial for the FRG-7 (3 digits) Soon available for around \$100. Plus other items. Write and enclose S.A.S.E. for quick reply.

GILFER SHORTWAVE, 52 Park Ave., Park Ridge, NJ., 07656... Not too long ago released news of an "ultimate" shortwave set, the JRC Model NRD-505. Expensive at about \$2300+ depending on options, nevertheless, a must for the listener who can afford one. I have not personally used this EXACT model, but their seagoing ship's radio station models are superb! JRC (Japan Radio Company) receivers have been very nice for quite a few years. They also are carrying the new Panasonic RF-2600 receiver for \$214 postpaid. Also available is the FRG-7000 12 volt adapter and retrofit of sharper filters in FRG-7000 or RF4800 receivers. A new "active antenna" is available for the low price of \$51.50 postpaid. The model "Listener 7" is powered by a 9 volt battery and is claimed to be effective between 5-30 Mhz., the gain dropping off below 4 mhz. but usable. Write for a catalog at the address above.

RADIOS INTERNATIONAL, P. O. Box 6053, Richardson, TX., 75080...Handles a big variety of gear including the full Panasonic line. Although Moosa has not so informed me, I'm sure he has the new RF-2600 by now too, at competitive prices. They also sell the Grundig Satellit 2100/3400 receivers plus the unique KWV-1000 automobile Shortwave converter. This makes a shortwave band receiver out of your car radio for reception of 90, 75, 60, 49, 41, 31, 25, 19, 16 and 13 meter bands. Sells for \$119.95. Also in the offing is the tiny Homer EP-8 pocket shortwave/MW receiver. Recently, they announced the SONY ICF-7600. This is an AM/FM/5-"bandspread" band SW set the size of a paperback book. Stability said to be very good and sensitivity excellent. We hope to "Review" this set in the near future and give you a full report of its performance. Also stocked is a variety of antennas and accessories. Write for their latest catalog at address above.

BAYOUTRONICS, 417 Ridgewood Drive, Metairie, LA., 70001... Your friendly Editor, offering no new sets YET! Just service and adjustment of practically any kind of rig you might possess! Specializing in everything from "tweaking" up a late transistor set to complete overhaul of old "tube" type receivers. 25 years of commercial experience on SWL/DX/HAM/MARINE gear. We give estimates.

DX-300 REPORT....The following is just as it was received from SPEEDXer Bob Flick.....

- THE BAD PART:
- 1.) Too much audio hum.
 - 2.) Lack of "punch" in audio on CW.
 - 3.) Set was unstable between 700 and 800 kHz. on each band. (On "AM" the set popped-snapped and signals were erratic. Freq. readouts sometimes incorrect. On "CW" signals were excessively broad with "modulation" like A2 emission. **I assume he means in the 700-800 khz segment-sb**)
 - 4.) Not enough BFO injection on CW.
 - 5.) BFO was set wrong for USB and LSB reception.

MAKING THE SET WORK BETTER:
 First, I switched to battery operation. I used 2 6volt lantern batteries in series as the internal "C" cells don't last too long. This made a big difference. The hum disappeared, the instability disappeared that existed between 700-800 khz. BFO injection improved, but was still inadequate. The set changes bands via a concentric knob at the rear of the main tuning knob. After the band has been changed, the signal is "peaked" while listening to a strong station. I found that if I fed a 100 khz. calibrator into the set and visually peaked things at the L.F. end of the band, using the "S" meter, things seemed to work better.

OTHER PROBLEMS:
 Living close to high-powered AM/FM/TV stations in the St. Louis area, the set has AM breakthru, splatter and desensitizing on some frequencies. (Yeah! the darn things ate my SONY alive in the heart of St. Louis during a recent convention-sb) I understand that this is a common problem in high R.F. field areas with this type of receiver. I'm working on this problem at present, planning to add an antenna tuner.

GENERAL COMMENTS:
 There is little warm-up drift and no long term drift. Digital readout is now correct and stability is terrific. On SSB it's steady as a rock. Selectivity is so much better than my DX-160 that it's hard to believe. I heard no images to date. Dial can be spun from one end to the other in a couple of seconds or as slow as you wish, no backlash, no drag.

OUTLOOK:
 The Radio Shack dealer that I know personally, said that the company told him that they were having troubles with the DX-300. He believes thier repair centers will be able to bring all the "troublesome" sets up to standard. Hopefully, the manufacturer will do better quality control inspections. The owner's manual has very little technical data. (A Service Manual is available from Customer Service in Dallas, see your Radio Shack dealer for a full address. Cost is \$1.50--sb.)

 Comments about the DX-300 still are pro and con. Again I warn the would be buyer of one to have an understanding with his dealer about returning it if he is not satisfied. This is not meant to be an endorsement NOR a condemnation of this receiver! I have not yet had the chance to listen to one. I'm sure Radio Shack will make good on those that are faulty and eventually get this receiver straightened out.

 A third page this month will deal with the ARMY-NAVY Equipment Nomenclature system. I hope all you folks who check the "surplus" catalogs for Bargains will enjoy this list.

 I forgot one item. This probably really belongs in the UTE column, but I just got the new "Confidential Frequency List" from Gilfer Shortwave. This is the 4th Edition recently updated. The format is different and the book a smaller handier size. Listed are a great number of frequencies for "Spy" numbers stations, marine coastal, fixed, embassy, military, FAX, Volmet, etc. etc. A valuable addition to any UTE'ers library for \$6.95.

 That's about it for this month...I wish everyone good listening this summer. Down here the static and the heat are rough, I hope that it won't get any hotter or my transistors will melt!!!

"Sandy"

JOINT ELECTRONICS DESIGNATION SYSTEM (JETDS)

INSTALLATION 1st Letter	TYPE OF EQUIPMENT 2nd Letter	PURPOSE 3rd Letter	SELECTED UNIT INDICATORS (Prefix letters to a unit)
<p>A-Piloted aircraft B-Underwater mobile (Submarine) C-(not used) D-Pilotless carrier E-(not used) F-Fixed ground G-General ground use H-I-J-(not used) K-Amphibious L-(not used) M-Ground mobile O-(not used) P-Portable Q-R-(not used) S-Surface (water) (Shipborne) T-Ground Trans- portable U-General utility V-Ground Vehicular W-Water, surface and underwater comb- ination X-Y-(not used) Z-Piloted and pilot- less airborne comb- ination</p>	<p>A-Invisible light, (Infra red) B-(not used) C-Carrier D-Radiac (radiation detection) E-F (not used) G-Telegraph/tele- typewriter H-(not used) I-Intercom/public address J-Electromechanical K-Telemetering L-Countermeasures M-Meteorological N-Sound in air O-(not used) P-Radar Q-Sonar/underwater sound R-Radio S-Special types T-Telephone(wire) U-(not used) V-Visual/visible light W-Armament X-Facsimile or Television Y-Data processing</p>	<p>A-(not used) B-Bombing C-Communications (trans- mitters/receivers) D-Direction-finding E-Ejection/release F-(not used) G-Fire control or searchlight directing H-Recording/reproducing (sound, telemetry etc.) I-J-(not used) K-Computing L-(not used) M-Maintenance and/or test assemblies N-Navigational aids (beacons, altimeters, fathometers, IIS Tagan, Omni etc.) O-P-(not used) R-Receiving, passive detecting S-Detecting Search T-Transmitting U-V-(not used) W-Automatic flight/ remote control X-Identification/ recognition (IIR) Y-Surveillance (search, detection, multitarget tracking) or control (fire control/air con- trol)</p>	<p>AB-Antenna supports AM-Amplifiers AS-Antennas BA-Primary Batteries (dry) BB-Secondary Batteries (wet) C-Control boxes CG-RF cable assemblies CP-Computers CU-Couplers CV-Converters CX-Cable assemblies (except RF) CY-Cases/cabinets DA-Dummy loads DT-Detector heads F-Filter units FR-Frequency meters etc. G-Power generators H-Head, hand, chest sets ID-Indicators (except CRT) IP-Indicators (CRT) KY-Keys IS-Loudspeakers M-Microphones MD-Modulators ME-Meters MT-Mountings O-Oscillators OS-Oscilloscopes, test PI-Plugs PP-Power supplies PU-Power equipments R-Receivers RL-Reels RO-Recorders RP-Reproducers RT-Receiver-transmitters SG-Signal generators, test SM-Stimulators T-Transmitters TA-Telephone apparatus TN-Tuning units TS-Test units TT-Teletype/FAX apparatus V-Vehicles</p>
<p>TYPICAL EXAMPLES:</p> <p>AN/ARC-5= Set, Aircraft Radio Communi- cations, 5th model.</p> <p>AN/PDR-27=Set, Portable Radiac Detector 27th model.</p> <p>R-388/URR= Receiver, (388th model) part of no particular set, Utility Radio Receiver.</p> <p>(NOTE: This list is NOT 100% complete, but should serve as a guide to "war surplus" numbers in identification of "unknown" units</p>			
<p>Special thanks to SPEEDXer Irv McWhorter for his help with this one.</p>			

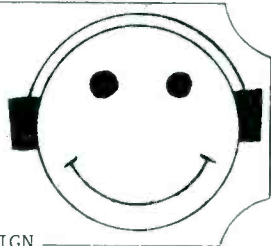


HAP PENINGS

HANDICAPPED AID PROGRAM

WAYNE DAVIS - DIRECTOR
27 Cleveland Avenue
Trenton, New Jersey 08609

SUPPORT WORLD DX HANDICAPPED AID CAMPAIGN



To kick off this month's HAPPENINGS column, we at the Handicapped Aid Program would like to offer our sincere congratulations to SPEEDX on its birthday. SPEEDX, and its officers, editors and directors have always been ardent supporters of HAP, since its founding in 1972, and we would like to offer our best wishes for the club's continued success.

HAP LIBRARY FORMING

The HAP library is really starting to shape up! Under the direction of Assistant Director Ruth Vollrath, and Librarian Randy Lindsey, materials are currently being collected for a HAP tape library which will make tapes of DX information available to our blind members.

Last week Ruth reported that the first set of tapes of the "World DX Guide" have arrived from the Israel Broadcasting Authority. Thanks to the efforts of Larry Magne the folks at IBA are taping this informative publication for the exclusive use of our visually handicapped members. Ruth is currently compiling the tapes for the transfer to cassettes where they will be duplicated for future distribution.

Randy is also contacting various DX clubs and international broadcasters for additional material to be included in the library. If you have any material that might be of use to our members, especially introductory material, why not contact us at the address listed above.

WHITE WINS HAP AWARD

While we're on the subject of HAP supporters, we would also like to congratulate Jeff White for his selection as HAP "DXer of the Year" for 1979. Jeff has been active in the HAP movement for the past three years, and has never failed to carry out a mission on HAP's behalf. He has served as a HAP Pal to our blind members, and has put in a good number of behind-the-scene hours to insure the success of HAP auctions held at recent ANARC Conventions.

Jeff can be heard on Radio Canada's "DX Digest" on the second Sunday of each month with a HAP report in which he keeps RCI listeners informed on the recent activities of the program. Jeff is also the host of the "Que Pasa" series on HCJB's "DX Party Line".

The award was presented at the recent convention by Ian McFarland, host of the "DX Digest", and recipient of last year's top HAP award. We at HAP would like to take this opportunity to thank Jeff for his work on behalf of the organization, and wish him continued success in future endeavors.

CALIBRATORS AVAILABLE

Thanks to Larry Brookwell, of the San Diego DX Club, HAP members will now be able to improve the DX-160, DX-40, SW-717 and other receivers currently provided by HAP.

HAP members who would like to borrow the calibrators are asked to contact HAP headquarters so that arrangements can be made for shipment.

BROKEN RIGS??

SPEEDXers who have rigs that may not be operating properly are asked to consider donating them to HAP before tossing them on the trash heap.

SPEEDX Technical Editor Sandy Blaize will repair radios that can be saved and make them available to our members. If you have an older rig that you are not using, drop a line to Sandy and he'll fill you in on the details.

RIB ON TAPE

Thanks to Glenn Hauser, editor and publisher of Review of International Broadcasting, HAP members who are visually impaired will be provided an opportunity to receive taped copies of this monthly publication. Thanks to a recent announcement in RIB, several readers have volunteered their services in reading this entertaining and informative publication.

To arrange for a subscription, HAP members should contact HAP headquarters as soon as possible.

Well, that just about wraps up this month's report from the Handicapped Aid Program. Until the next time, when we will bring news of the winner of the Gene Moser Memorial Award, best of DX and 73 from everyone here at HAP.

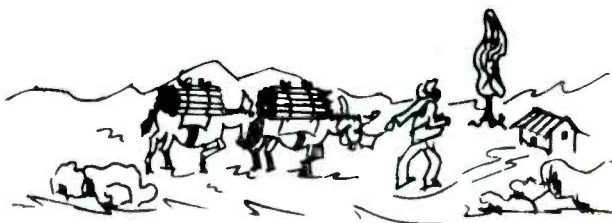
73 Wayne

SWBC DX - Western Hemisphere

◁ EDITOR ▷

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JULY, 1979 -- LAS NOTICIAS

HAPPY BIRTHDAY TO YOU, SPEEDX!!!!

Now that SPEEDX is 8 years old and still growing, I'd like to say that I appreciate the loggings and assistance of each one of you -- it is your club and you help to make it great by contributing. Keep up the good work!!

SOME PRELIMINARY JOTTINGS. I would like to thank Jeff Stover, of Montrose, Pennsylvania, for having Malcolm Kaufman and me as guests several weekends ago. He has a Beverage antenna (plus other beverages more potent, hi!) plus a great location on the top of a hill with no urban RF pollution evident. We heard many interesting things, including R. Sandino, on his SP-600 receiver; Jay Novello, of Endwell, NY came down one evening bringing his RF-2800 and his tape of Radio High Seas International (more later on that). It was great meeting you guys; I would like to take this opportunity to encourage all of you to foster DX meetings in your area. It only takes a day or so of your time, but you can help to widen the horizons of your fellow DXers by inviting them over for a DX session. It seems that the local groups have, with the exception of SCADS and MAD-Men, become dormant -- REVIVE THEM!!! By the time you read this, there has been an enormously successful (I hope!) meeting of the MAD-men of New York in Brooklyn. The next meeting will be announced in these pages -- I hope that everyone in the New York Metropolitan Area will consider coming. I will be present at the meeting in July at "Cap" Kapinos' home in Shrewsbury -- I also encourage all those in that area (New England) to get the details from last month's Keynotes and attend. I hope to meet YOU at a meeting soon!!!

SPANISH FOR DXERS -- NOUNS AND SENTENCE STRUCTURE

Beginning next month, I will have a vocabulary list in each month's column. It will be short, 10 words or so -- however, I will try to pick words which will have the most usefulness in understanding spoken Spanish. I will also try to tie it in with whatever lesson is in that column.

As you classicists among SPEDXers know, Latin was a highly inflected language -- that is, the form of a word often changed as the use of a word changed. For example -- the word puella - (girl). There were five cases of that word which were used different ways -- puellae could mean "of a girl" or "to a girl" or "girls"; puella meant "by a girl;" and so on. As the Romans became Spaniards, Frenchmen, Italians, Romanians, and Portuguese, they found that this system was very difficult to learn and remember. Therefore, by a natural process, these forms were replaced by one form of the word. However, to make up for the lost forms, more prepositions were formed and, at the same time, a more rigid sentence structure evolved. Thus, in Spanish we have an (almost) invariable noun, an (almost) invariable sentence structure, and therefore no need of cases.

NOUNS

Latin had three genders of nouns: masculine, feminine, and neuter. Spanish dispensed with the neuter gender, and was left with the other two. Also, as the language evolved, it was found that a definite article (EE: the) was needed in order to mark the noun. Spanish used parts of the Latin demonstrative adjective "ille, illa, illud," to form its definite articles: el, la; los, las. It also took the numeral "one": "unus," and made it the indefinite article (EE: a, an): uno, una. Almost all nouns, wherever they are in a sentence, have either a definite or indefinite article before them. "El," "los," "uno," are masculine; "la," "las," and "una" are feminine. One, of course, uses the masculine article with a masculine noun and a feminine article with a feminine noun: "el hombre (the man)," "la madre" (the mother); "los" and "las" are plural: "los hombres," "las madres." So, whenever you hear a word which is preceded by one of those articles, you know it's a noun, and you know its gender from the gender of the article.

NOT ENOUGH ROOM TO GET INTO SENTENCE STRUCTURE HERE; IT'S ON THE NEXT PAGE -----

BRAZIL (continued)

- 5965 0923 R. Guaiba; PP; nx; tlk; (444; 5/24. Lowe, AR)
 6000 0100 R. Inconfidência, PP; soccer game; (444; 5/18. Moore, PA)
 6035 0000 R. Globo, PP, nx, ads; (343; 5/21. Moore, PA)(253; 5/27. Howell, CA)
 6065 2344 R. Nacional Brasília; PP, ads; ID; (343; 6/1. Yajko, PA)
 6135 0856 R. Gaucha, PP, ID, pop mx, vocals (343; 5/24. Jones, MS)
 9505 2320 R. Record; PP, LAm mx; (443; 5/4. Witte, CA) IL)
 11780 0002 R. Nacional Brasília, PP, IDs, ads; mx; (433; 5/30. Yajko, PA)(433; 5/7. Hrivnak,
 11805 0100 R. Globo, PP, "Noticias," ID; //6035; (333; 5/22. Durnavich, IL)
 11915 0020 R. Gaucha, PP, soccer match; (343; 5/23. Durnavich, IL)
 11925 2206 R. Bandeirantes, PP, nx, mx; (343; 5/17. Moore, PA)
 15145 0115 R. Jornal do Comercio, PP, tlk, piano mx; (242; 5/28. Howell, CA)
 15280 2146 Radiobrás; EE, mx, ID; (444; 5/12. Brown, IL)(423; 5/6. Oakley, CA)(333; 5/9;
 Harrington, CO)
 15290 0301 Radiobrás, EE, IS, s/on, ID; sked, tlks on agriculture (555; 6/3. Pavelka, NY)
 (call: VYE365; 544; 5/19. [0235] Lucas, CA) +11

CHILE

- 6190 1101 R. Nacional de Chile; SS; ID, long net. list; (443; 5/12. Jones, MS)
 11765 0234 LVCH; EE, mx, ID; tlks. about Sens. Kennedy and Church (322; 5/22. Beeman, OH)
 15130 0025 LVCH, EE, ID after each nx item; (444; 5/9. Goetz, MI)
 15140 0105 LVCH, FF, ID, mx; (444; 5/22. Stone, ON)(444; 5/24. Dawson, CA) +3
 17715 1109 LVCH, EE, nx, cmts; (232; 5/25. Earhart, PA)(453; 5/25. Holmes, CO)
 17800 0200 LVCH, EE, mx, nx, cmt on Argentina's crossing border into Chile and stealing
 cattle; (333; 5/7. Dilk, NJ)+5
 17840 0109 LVCH; SS, mx, good fqy; (454; 5/9. Cereghin, MD)

COLOMBIA

- 4755 0635 Emis. Nuevo Mundo; SS, mx, "La programa de música continua hasta la 6 de la
 mañana;" ad, ID as "CARACOL," (423; 5/23. Boehm, TX)(343; 5/13. Lattemann, WA)(333;
 5/19. Thompson, CA)(333; 5/25. Durnavich, IL)
 4785 0455 Ecos del Combeima; SS; ID; (232; 5/16. Durnavich, IL)(554; 5/16. Thompson, CA)
 (342; 5/13. Lattemann, WA)(323; 5/9. Tannenwald, NY)
 4815 R. Guatapurí, "Sabaditas Bailables" px, cumbias, TC; (5/27. Whitehead, MA)
 (*0959; farmers px w/ sound effects [dogs, cows, roosters, pigs]; 443; 6/8. Jones, MS)
 4865 0100 La Voz del Cinaruco, SS, mx, (322; 5/20. Tannenwald, NY)
 4875 *0913 LV del Norte, SS, ID, anthem, into "Amanacer Campesina" px,(444; 6/6 Lodbell, MA)
 (343; 5/26. Saylor, PA)(434; 5/25. Durnavich, IL)[end of "Pentagrama Musical Fin de
 Semana" px (Weekend Musical Star); ID;] 5/27. Whitehead, MA)
 4885 0305 Ondas del Meta, SS, TODELAR ID, local ID, local ads; "Ondas del Meta immensa-
 mente alegre," (5/27. Whitehead, MA)(333; 5/27. Durnavich, IL)
 4935 0302 R. Villavicencio, SS, march mx, fanfare, ID @0305; (232; 5/29. Moore, PA)
 4975 *1015 Ondas del Orteguzza, SS, ID, UTE QRM; NA; (422; 5/18. Jones, MS)
 4985 0715 R. Colosal, SS, pop mx, OM ancr; ID's (443; 5/17. Lattemann, WA)
 5075 0000 R. Sutatenza, SS, nx, mx, ads; (333; 5/16. Tannenwald, NY)
 5095 0350 R. Sutatenza, SS, OM tlk; ID @0351; CW QRM; (533; 5/26. Holmes, CO) mann, WA)
 6065 0640 R. Super, SS, OM LAm mx, ID's, TC's (544; 5/21. Thompson, CA)(443; 5/15. Latt-
 6085 0925 Ondas del Darién, SS, full ID, fqys, etc., ads by OM, 0932* w/ xmitter problems,
 not back on by 0955; (444; 6/6. Lodbell, MA)
 6115 0815 LV del Llano, SS, nice mx, clear ID @0815; mucho QRN (Summertime, when the
 light 'nin' is strikin' [sung to the tune of "Summertime,"] sb)(433; 5/12. Blaize, LA)
 (333; 6/5. Audette, MA)(534; 5/16. Thompson, CA)
 6160 0808 Emis. Nueva Granada, SS, vocal mx, ID @0813 as "R. Colombia," and @0818 as "La
 Radio de Colombia," (443; 5/13. Lattemann, WA)
 6170 0946 LV de la Selva, SS, TC, ID, px for "los campesinos" from 4 to 6 each morning,
 barnyard noises (444; 5/24. Lowe, AR)[0302*]; 322; 5/21. Peters, MB)
 11792 1030 Radio Nacional de Colombia, EE/SS, EE lesson for SS-speaking; //15334 (443)(322;
 5/25. Zilmer, WI)
 15334 0350 R. Nacional de Colombia; opera in SS, 15334.8 estimated; (444; 5/18. Holmes, CA)

ECUADOR

- 3220 0857 HCJB, Quechua, folk mx, ID by OM, //6050; (444; 6/1. Lodbell, MA)(*0900; 332;
 6/1. Jones, MS)(10 kW and "Lazy H" antenna; 242; 5/22. Durnavich, IL)
 3252 0313 R. Triunfo, SS, OM tlk, ID, (253; 5/27. Howell, CA)
 3380 0315 R. Iris, SS, tlk, mx, ID's (354; 6/3. Moore, PA)(322; 5/19. Saylor, PA)
 3390 0350 R. Zaracay, SS, Ecuadorian mx, ID; (232; 5/28. Alexander, PA){0501*} 443; 4/27
 Holmes, CO)
 4680 0545 R. Nacional Espejo; SS, LAm mx, (333; 5/5. Witte, CA)
 4765 0403 CRE, SS ID, calls, fqys, etc. by OM 0430*; not hrd 'til Brazilian 0400*; reac-
 tivated (343; 6/10. Lodbell, MA)(333; 5/24. Durnavich, IL)(453; 5/24. Peters, MB)
 (ID; "C.R.E., Radiodifusora del Ecuador." 344; 5/19. Lazarus, LA)(323; 5/24. Lowe
 AR)(354; 5/19. Moore, PA)(443; 5/18. Jones, MS)(444; 5/25. Vranes, PA)

ECUADOR (continued)

- 4795 0310 LV de las Caras, SS, comedy record, local ad for record store, "Aquí en Bahía de Caraquez," Latin rock tune, ID #0330; ---Emisora La Voz de las Caras, desde el puerto de Bahía de Caraquez, en la provincia de Manabí, en América Latina, cubriendo con nuestras ondas, todo el territorio nacional y el extranjera." (5/17. Whitehead, MA) (333; 5/30. Novello, NY)(232; 5/24. Durnavich, IL)(353; 6/13. Moore, PA)({past 0408 usual s/off time; still going at 0437 tune-out} 333; 6/3. Lobdell, MA)
- 4800 0510 R. Popular, SS, mx, ID; (232; 5/13. Peters, MB)
- 4850 0550 R. Luz y Vida, SS, LAM mx, ID; (353; 5/27. Peters, MB)
- 4870 *1031 R. Rio Amazonas, SS, long NA, foll. by tlk; very bad audio, weak, some distortion; (242; 6/8. Jones, MS)(252; 5/1. Howell, CA)(423; 5/24. Lowe, AR)
- 4875 0430 La Voz de Esmeraldas, SS, QRN, ID, fqy; mx, (422; 5/27. Oakley, CA)
- 4910 0245 Emis. Gran Colombia, SS, nx, ID's (253; 5/19. Moore, CA)
- 4920 0445 R. Quito, SS, non-stop LAM mx, ID, 0457*, no NA; (444; 5/24. Peters, MB)
- 4960 0302 R. Federación, usually s/off at this time; long version of NA; (444; 5/16. Lowe, AR)(0300*; 353; 5/29. Moore, PA)({"Buenas Noches Amor," px; 0258*, NA} 333; 6/3. Lobdell, MA)
- 5045t 0710 Ondas Cañaris, SS, OM, Andean mx, TC's, pop mx; (433; 5/23. Thompson, CA)
- 5061 0356 Sistema de Emisora Progreso, SS, heavy noise, mx, missed ID; (442; 5/26. Holmes, CO)(333; 6/2. Yajko, PA)(333; 5/28. Alexander, PA)({super listening}5/27, Whitehead, MA)
- 6095 0555 HCJB, EE, tlk about fighting in Nicaragua; (444; 6/8. Gaede, CA)
- 6130 0830 HCJB, EE, mailbag, (322; 6/29. Smith, FL)
- 9745 0315 HCJB, EE, "Passport;" (444; 6/7. Bower, TX)(---; 5/10. Richardson, AZ) +3
- 11740 1402 HCJB, EE, nx, rel mx, "The Bible For You," (433; 5/10. Smith, FL)
- 11900 1045 HCJB, EE, px: "Have Music Will Travel," (454; 5/5. Duran, NJ) WI
- 11915 0130 HCJB, EE, discussion of the building of their new xmitter; (544; 5/22. Schroeder, WI)
- 11960 0442 HCJB, SS, OM tlk; ID; (333; 5/5. Smith, FL)
- 15115 0145 HCJB, EE, rel. px; (433; 5/15. Hinton, TX)(---; 5/3. Sellers, ON)
- 15165 0640 HCJB, FF, mx, EE ID #0700; (333; 6/2. Dawson, CA)
- 15295 2130 HCJB, EE, DXPL; to Europe; (444; 5/19. Harrington, CO)
- 17790 2140 HCJB, EE, DXPL, (454; 5/31. Earhart, PA)(322; 5/26. Zilmer, WI)
- 17830 2200 HCJB, EE, Sounds of Joy; they said they would continue in Japanese @2200, but I waited 10 minutes and nothing happened; (What do you expect, miracles?? cpjh) (444; 5/8. Cereghin, MD)
- 17860 1600 HCJB, closing EE to NAM, claiming it was still on 17890, where it ought to have been, as RFI was heavily mixed; now using this fqy. also to NAM in FF to 1600 or later (Hauser, TN)
- 21480 1920 HCJB, EE, "Passport" (353; 6/2. Stroh, IL)(444; 5/9. Osterberg, WI)

FRENCH GUIANA-FR3, Cayenne

- 3385 *0900 FF, guitar IS, La Marseillaise; pop mx; (342; 6/1. Jones, MS)

GALÁPAGOS ISLANDS-La Voz de los Galápagos

- 4810 0355 SS, low-key instrumentals, occasional OM intros and ID, constant facsimile QRM; ID #0400; (5/28. Whitehead, MA) ([ID, best heard in years] 343; 6/10. Lobdell, MA) (222; 6/3. Moore, PA)

GUYANA-GBS

- 5950 0215 EE, program of fine mx such as "London Symphony Orchestra" and "Bach," ID #0250; "This is Action Radio - GBS Guyana;" sked, xmitter location, address, and 0255*; (323; 5/20. Fisher, MA)

PERÚ

- 4762 0418 R. Inca, SS, mixture of pop, folk, many ID's, TC's; (322; 5/27. Lobdell, MA)
- 4790 0245 R. Atlántida, SS; pop mx px; "la música de la nueva onda" (the new wave music); TC for 9:45 p.m. (5/28. Whitehead, MA)
- 4860 0520 R. Chinchaycocha, SS, música peruana; ID, 0548*; (353; 5/24. Peters, MB) (433; 5/19. Thompson, CA)
- 4950 0238 R. Ucayali, SS, OM tlk, vocals, ID, [Could you give the ID transcription?? I think it might help others looking for this sta. cpjh] (343; 5/27. Howell, CA)
- 4996 0149 R. Andina, SS, many ads by YL/OM, nx 0200-0230; folk mx; (322; 5/19. Lobdell, MA) ([WWW QRM on high side;] 322; 5/24. Lowe, AR)(333; 5/16. Thompson, CA)
- 5010 0400 R. Eco, SS, lively LAM mx, ID's; (333; 5/14. Peters, MB)
- 5040 0429 R. Libertad de Junín, per Pitt McNeil this is back, hrd. w/ SS local accordian-type mx, vocals, probable mention of Junín by OM [If you're looking for this, remember, Junín is pronounced: hoo-NIN. cpjh](322; 5/23. Lowe, AR)(353; 5/27. Peters, MB)
- 5050 0405 R. Loreto, SS, OM pop mx, long string of ads/annts; big "whoosh" to ID, which was mainly wiped out by QRN (222; RTTY QRM; 5/23. Lowe, AR) ([0458*]; 333/ 6/4. Peters, MB)
- 5970 0502 R. El Sol, SS, nx, sx #0514; more reports, ID #0535, s/off annts over "Me and My Arrow," instrumental from "The Point," 0536* abruptly; QW QRM; (433; 5/17. Lattemann, WA)(353; 5/27. Peters, MB)(444; 6/2. Jones, MS [ID: "Sol en los Andes."])
- 5980 0615 R. Panamericana, SS, px of music by Peruvian artists, ads for Inca Cola, lots of promos for the px were hrd; (---; 5/27. Mikell, IL)(322; 5/13. Pettit, IA) ([Annt. of "Our Music" w/ modern Andean mx;] 443; 5/17. Lattemann, WA) ([0700*]423; 5/23. Oakley, CA)

CANADA (continued)

- 6160 0827 CKZN St. John's, s/on anmt. (6/6. Foxworth, NY)([0900 news headlines -- ship burning in St. John's harbor; then an actuality on blackflies; TCs 1½ hours ahead of ELT; very good level] 333; 6/7. Hansen, NY)(333; 5/28. Saylor, PA)
- 6195 0500 CBCNS, EE, OM/YL mx, Quebec selling electric power to NY; (454; 6/6. Smith,CA)
- 9535 0300 RCI, EE, nx, wx, sx; (545; 5/10. Richardson, AZ)
- 9635 0615 RCI, EE, to Afr, nx, SALT II, (544; 5/11. Miller, CA)
- 15150 2130 RCI, EE, nx, UFO's (444; 5/13. Goetz, MI)
- 15260 1800 RCI, EE, nx, DXD; (433; 5/27. Pettit, IA)
- 15325 2009 RCI, EE, nx, wx, sx, ID @2012; (344; 5/23. Wampler, VA)
- 17820 2015 RCI, EE, Weekend Magazine to Europe, (554; 5/6. Schroeder, WI)

COSTA RICA (NOTE: IT IS THOUGHT THAT R. SANDINO BROADCASTS FROM COSTA RICA. HOWEVER, I AM STILL GOING TO LIST IT UNDER "NICARAGUA," ALTHOUGH BY THE TIME YOU READ THIS IT MIGHT BE COMING FROM MANAGUA. CPJH SEE UNDER 4832 FOR ODDITY)

- 4832 0440 R. Reloj, SS, Relaying Sandino -- not live, but an off-air delayed pickup. (5/30; [0525 on 6/9] Foxworth, NY)
- 4832 R. Reloj, (333; 5/8. Hrivnak, IL)(333; 5/14. Cereghin, MD)
- 5954 0430 R. Casino, EE, American pop mx, nightly px, 0504* w/ NA; [6/4 - 0603*] (333; 5/31. Peters, MB)(354; 6/3. Moore, PA)
- 6006 0545 R. Reloj, SS, ads, LAm mx, static; (343; 5/4. Witte, CA)(433; 5/12. Blatze,LA) (444; 5/12. Brown, IL)
- 6105 0340 R. University, SS, class mx, Brahms, ID's, 0358* (333; 6/5. Peters, MB)

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9610 (THIS IS FROM BBC MONITORING SERVICE AND MAY NOT BE REPRODUCED WITHOUT THEIR PERMISSION): On May 23rd a station calling itself "Radio Noticias del Continente" was heard conducting test transmissions, consisting of music and announcements in SS, on 9610 kHz. It gave its call sign as "TIRL" and stated that it was broadcasting from San José to all of Latin America in the 31 and 49 meter bands. The 49 meter band channel has not yet been traced.

9615 0127 R. Noticias del Continente, TIRN, new station testing per DXDigest, hrd with soft guitar mx and OM ID: "T-I-R-N, Radio Noticias del Continente, transmite de San José, Costa Rica." Gave address to which to send reports as Apartado 172, San José. Very strong and somewhat overmodulated -- could this be the xmitter that belonged to 1976's R. Millión?? (434; 6/5. Lowe, AR)([TIRL R. Noticias del Continente; test transmission with repeated tape including amts and easy listening type LAM mx, e.g., guitar. Announcing fq. of 9615 kHz but actually varying around 9610.7. Gave this address (same address as above. cpjh); Announcement: "Para toda Latinoamérica en emisiones de prueba." (5/24; Walcutt, TX)([TIRL, R. Noticias del Continente, transmitiendo para todos los pueblos en América Latina."]) 433; 6/4. Vranes, PA)

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CUBA

- 6035 *1055 RHC, FF, IS, ID, NA, nx; (333; 5/14. Cereghin, MD)
- 6525 0740 RHC, EE, Contest info, tlk on stamps, ID's, 0756* abruptly (444; 5/21. Audette, MA)(0641; 433; 5/11. Lattemann, WA)(0730; 444; 5/9. Smith, FL)
- 9600 1030 RMoscov WS; EE, Week in Music; (454; 5/30. Zilmer, WI)
- 11725 0500 RHC, EE, headlines; (544; 5/24. Miller, CA)(433; 6/2. Audette, MA)
- 11760 1200 RHC, SS, Slave uprisings in Cuba in the colonial era, (433; 6/4. Leeman, RI)
- 11840 1830 RMWS, EE, "Just for Fun," mx, ns @1900, "Nxreel," been listening to this one quite often; not bad but could be better (434; 6/5. Bower, TX)(314; 5/20. Valentine, CA)444; 5/19. Osterberg, WI)
- 11930 0400 RHC, EE, Interview w/ President of World Peace Council talking about Puerto Rico's domination by the U.S. (---; 5/31. Mikell, IL)(444; 5/14. Wilkinson,MB)(454; 5/15. Boehm, TX)
- 15230 1515 RHC, SS, mx, ID, fqys, (333; 5/12. Hinton, TX)
- 17855 2051 RHC, EE, excerpts from Japanese concert in Havana, "P.O. Box 7026" px @2054; (343; 5/27. Holmes, CO)(232; 5/28. Audette, MA)(344; 5/23. Wampler, VA)(554;5/6. Schroeder, WI)

DOMINICAN REPUBLIC--Radio Televisión Dominicana

- 9505 0112 SS, ancng as "Servicio Internacional," vocal mx, nx @0200; (333; 5/25. Lobdell, MA)([0158] 333; 5/24. Osterberg, WI)([0028; nothing on 5970] 433; 5/18. Holmes,CO) (333; 5/10. Alexander, PA)(423; 5/20. Oakley, CA)(242; 5/28. Scott, OR)
- 9511 0003 SS, Drifted away from 9505, ID, tlk by YL (333; 5/22. Cereghin, MD)

GRENADEA--Radio Free Grenada

- 15045 2210 EE, end of cricket match between St. Vincent and Grenada, ID by YL: "This is Radio Free Grenada, the Voice of the Revolution," into pops and PAs such as a YWCA meeting in St. Andrew's parish (444; 5/21. Lowe, AR)(454; 6/1. Pavelka, NY) ([2220] 322; 5/19. Oakley, CA)([2230] 433; 5/15. Pettit, IA)([2130] 333; 2250*; 5/20. Alexander, PA)

GRENADE--Radio Free Grenada (continued)

15045 2142 (252; 5/16. Hensley, TX)([2210] 333; 5/11. Hodsdon, MN -- ad for "Black Light-ning" Batteries [using "distilled" water, I'm sure. cpjh])([2205] 343; 5/26. Zilmer, WI)(323;5/19.Mellinger,NJ)(322;5/19.Osterberg,WI)(423;5/19.Rosewarne,CA)(555;5/13. Coleman,MA)(332;5/18.Earhart,PA)

15105 2035 EE, disco mx, "Action Line" (322;5/2. -----)([2058] 222;5/21.Durnavich,IL)

GUATEMALA

3300 0320 R. Cultura, EE, U.S. Bible px, fair; (322; 5/20. Saylor, PA)(353; 6/5. Pavelka, NY)(333; 5/15. Hrivnak, IL)([0429*, EE/SS ID's] 333; 5/18. Durnavich, IL)

4825 0140 R. Mam, SS, relay of VOA SS magazine item about Puerto Rico; followed by marimba mx; apparently they took the item off the air; (253; 5/25. Moore,PA)

HAITI--Radio Station 4VEH

9700 2300 EE, rel px, good ID (/11835; 433)(322; 5/21. Forbes, TX)

11835 1100 EE, rel. px, "Time Machine," (433; 5/30. Zilmer, WI)(432; 5/31. Pavelka, NY) ([1205] 444; 5/26. Yajko, PA)

HONDURAS--La Voz Evangélica

4820 0400 EE, Chapel of the Air ended 0404, then SS pxx began; (444; 5/15. Scott, OK)

MEXICO

6105 0049 Su Pantera, SS, U.S. pop & disco mx, ID as "XEMQ-XEQM" and "MQ-QM"(342; 5/28 Jones, MS)([Coke ad; many "R. Merida" IDs] 433; 5/29. Hoffman, PA)

6185 0503 R. Educación, SS, Mexican mx, good 'til DW *0525; (354; 6/3. Moore, PA) ([ID: "XEEP, R. Educación," 0705*] 443; 5/25. Peters, MB)

11780 0300 R. México, SS, tlk; (422; 5/19. Pettit, IA)

15160 2349 LV de la América Latina; SS, nx, many LAM items, ID @0000 as "La Voz de Real," then relaxed mx, OM tlk w/ reference to "América Latina," (343, 5/28. Lattemann,WA) ([0128] 433; 5/29. Worrel, ND)([0507] 444; 5/14. Rosewarne, CA)

NETHERLANDS ANTILLES

6165 0605 RN, EE, His & Hers; (353; 5/30. Smith,FL)([0453] 454; 6/6. Smith,CA)([0240] 544; 5/29. Miller, CA)(444; 5/9. Sanderson, AZ)

9590 0230 RN, EE, OM mx, Nxline, mx; (544; 5/18. Fallows, ON)(--5; 5/10. Richardson, --) (454; 5/19. Thompson, NM)(544; 6/1. Pettit, IA)(544; 6/1. Stickle, NY)

9715 0750 RN, EE, Taping...to hear DX Juke Box including my report, instead nothing but "light music" with no explanation of substitution. But apparently, the feed from Hilversum had been lost. Evidently they no longer have HF backup for the Columbus Cable, which is used to Bonaire despite a recent 5/13 denial by Ian McFarland on DX Digest. At the start of the 0830 transmission, more music (5/17. Hauser, TN)

11925 0117 TWR, EE, "Back to God Hour," to Far East; (433; 5/19. Osterberg, WI)

15425 0152 TWR, SS, ID, class. mx; (444; 5/11. Cereghin, MD)

15440 0140 TWR, SS, ID; ID; px @0145; (555; 5/9. Holmes, CO)

21640 1930 RN, Dutch, nx; (111; 6/3. Femyer, AZ)(2036] ---; 5/31. Lattemann, WA)

"NICARAGUA"--CLANDESTINE

I am going to present R. Sandino et al. in prose form this month, as the story is quite confusing and needs clarification. First, a report from the BBC Monitoring Service, dated June 7, not to be reprinted without their permission:

"'Radio Sandino,' last heard to broadcast on 6068 kHz on 5/27, was observed transmitting on 7315 kHz on June 1st. It announced that its broadcasts now start at 0300, 0700, and 1030. However, on June 3rd the station announced that it would now be broadcasting 24 hours a day in the 41 meter band. Broadcasts in the 49 meter band would also begin again soon. From 1500 on June 3rd 'Radio Sandino' suffered from interference from an unidentified Nicaraguan station playing music and extolling President Samozá (sic). At 1512 'Radio Sandino' went off the air but the interfering station continued until 1532.

"On June 5th 'Radio Sandino' was observed to broadcast on two frequencies, 7588 and 7315 kHz, but they were not in parallel. The latter channel ended its transmissions at 1315 while 7315 kHz continued until 1440 when it announced its next transmission as starting at 1700."

There seem to be three "families" of R. Sandino frequencies: the 7315 family; the 7589 family, and the 7700 family. These frequencies were the most reported by SPEEDXers this month.

On 7320, Mike MacCollum of Indiana heard RS at 0330 on June 5th. He notes that there was a whining noise on the frequency, possibly jamming attempts by Somozans. However, they were unsuccessful as RS overrode them. Charley Hoffman of Pennsylvania heard the same at 0645 on June 3rd -- specialty here was gunfire and exploding bombs. Mike's signal quality was fair as was Charley's. Jack Jones of Mississippi also heard them in that area on June 2nd; on 7316 Mike (?) Durnavich of Illinois heard them on June 3rd IDing as "The Official Voice of the Communist Tide for the Liberation of Nicaragua."

Representing the "7589 Family" were Jack Lattemann of Washington State who heard RS on June 9th with RTTY QRM on the freq., time was 0500. However, he also heard a station on 7586 with a distinct program -- both frequencies drifted -- 7586 to 7585 and 7590 to 7591. Mr. Howell

"NICARAGUA"-CLANDESTINE (continued)

speeches and mx, distinct program from 7590, Mr. Howell in California also heard RS on 7589 at 0340 on 6/7. Mike Durnavich heard them on 7588 on June 3rd with Rolling Stones and folk mx; weaker than 7316, 0505* but 7316 still on.

The 7700 Family is reported by Jack Lattemann again, who heard RS on 7704 @0535 on June 9th. There was no RTTY QRM on this fq, modulation much better here. They signed off at 0602 very abruptly. He also heard a speech in Spanish on 7715. All four frequencies that he heard went off at 0602. Sandy Blaize in Louisiana heard RS on 7702 with "patriotic" music and artillery fire [RS's version of the '1812 Overture.'] -- the time was 0443 and the date was June 7th.

Bob Foxworth in New York heard an oddity, Radio Libertad Cubana on 7084.6 kHz, on May 31st at 0414. There was pro-Somoza talk. He has also heard something which IDs as "Cadena Nacional de Nicaragua." -- unfortunately, I have forgotten the frequency -- this is also a pro-Somoza station.

Sandy Blaize in Louisiana heard a station on 7705.5 which signed on at 0450 on June 7th. There was a het on 7702 so he tuned in to 7705 and found continuous LAm mx, probably an attempt by pro-Somoza personnel to jam R. Sandino. I also heard this station on June 19th at 0445 on 7589 kHz with the continuous LAm mx -- it was at a very good level. Bob Foxworth also heard the 7702 station (7702.2 exactly) with R&R mx on June 7th -- I guess it had drifted downward between the time Sandy heard it and the time Bob did -- on May 31 and June 5th it was on 7316 kHz.

What can we conclude from the above? Mainly this -- these three families of frequencies are actively (1) being used by the Sandinistas, and (2) being jammed by the Somozans. Radio Sandino programming usually consists of martial music, some pop mx, much patriotic talk and sporadic bursts of gunfire and other "military" touches. The jammers normally run only music, or music interspersed with pro-Somoza talk.

I think that it is our "duty" to listen to these frequencies this month so that we can keep up with the events in Nicaragua -- an ABC newsman was killed in Managua this evening by National Guard (Somoza) troops -- the entire proceeding was filmed by his cameraman. I think we all also join in the hopes of the Nicaraguans for an end to the fighting.

UNITED STATES OF AMERICA

This month we have a spate of reports of "pirates" in the band of frequencies from 3850 to 3885 kHz. I think that we should not call these stations "pirates" -- for they are not classical "pirates," in the usual sense of the word. A "pirate radio broadcaster," to my mind, is a person who is broadcasting illegally, for the purpose of transmitting his signal to the population at large. These persons, who are broadcasting in an amateur band, are most probably amateurs in that largely neglected section of ham-dom -- the AM amateur. As you know, if you've tuned the ham bands, most of the voice transmissions are in the single sideband mode -- however, in that band of frequencies which I mentioned, there are a few amateurs who still cling to the amplitude modulated mode, and do so very well. So well, in fact, that they sometimes (illegally) broadcast music in order to show their fellow hams how good their modulation is. They, of course, are not broadcasting for the sake of having their music heard -- they are broadcasting to show off their rigs. They never use their amateur calls, and if caught they would be subject to similar penalties to the so-called "pirate," but they are not broadcasting music so that people can hear music, and therefore, if you hear them, admire the modulation -- that's why the broadcast is there. I feel that unless there is an identification in voice during the transmission, there is no sense in reporting them here -- now that their presence has been noted, we shall allow a veil of silence to fall over them. However, if they do identify, by all means, report them. There is one very strange report of that sort this month, and we'll kick off the USA section with that.

3869 0310 Radio High Seas International, EE, OM DJ with UK accent saying goodbye. The transcription follows: "Tune in again to somewhere near this wavelength, for RHI, Radio High Seas International, transmitting from free zone in America, International Waters," (taped jingle) "From international waters, this is RHI, Radio High Seas International." Played song: "Mr. Blue Sky," by Electric Light Orchestra. Then: "Your radio is tuned to the RHI wavelength: Radio High Seas International, transmitting from international waters." Then, tympani/trumpets IS three times and 0316*. An unID ham came on the fq, and said "HMMMM...I wonder." Another came on and delivered a bogus sermon, and a third came on and replied to the second; then a ham came on to call CQ. ... The signal was the strongest on the ham band, and even wiped out the QRM from the upstairs neighbor's bathroom light (quite a feat in itself). None of the hams heard came near the signal strength of RHI. The sound was very professional -- the audio compressed and high-fidelity. (555; 5/28. Novello, NY) (I heard Jay's tape and it was amazing! Something like this is report-worthy, but reports of unIDed "pirates" in this band playing only music are rather futile, since they don't have any schedule and won't be on again. Thanks for your understanding. cpjh)



EDITOR

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4375 Ocean View
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Deadline: 12th
Times and Dates: GMT
Frequencies: kHz

ALBANIA

7120 0240 R. Tirana; EE cmtly mx off at 0257 (422 5/28 Scott-OK)(Hinton-TX)(Yajko-PA)
9500 0500 R. Tirana; FF "Ici Tirana" nx (543 5/27 Smith-FL)
9750 0245 R. Tirana; EE political cmtly (522 5/9 Dieckmann-MC)

AUSTRIA

5945 0130 ORF; EE nx editorials sx roundup (454 5/8 Fraser-MA)
9770 0140 ORF; shortwave cooking (545 5/13 Dieckmann-MC) Soup's on, hi ed.
(Rosewarne-CA)(Goetz-MI)(Hinton-TX)(Audette-MA)
12015 0127 ORF; SS polka type mx ID (443 5/18 Holmes-CO)(Korneke-VA)(Findlater-CA)
15200 2230 ORF; SS IS ID freq schedule (433 6/5 Zilmer-WI)
15260 0459 ORF; GG freq schedule nx (544 5/14 Rosewarne-CA)(344 Audette-MA)(Blaise-LA)(Latteman-WA)(Sanderson-AZ)(Lorz-NY)(Naylor-CA)(Holmes-CO)(Findlater-CA)(McCurdy-CA)
15320 2225 ORF; SS Austrian folk mx (222 5/5 Alexander-PA)
21475 0600 ORF; GG semi-classical mx (333 5/3 Witte-CA)

BELGIUM

11705 2345 ORU; GG nx (3335/31 Witte-CA)(Miller-CA)(Findlater-CA)
11715 0016 ORU; EE IS ID tx QRN piano mx (422 5/23 Oakley-CA)(433 5/21 Brown-IL)(Mellinger-NJ)(333 Alexander-PA)(Hrivnak-IL)
15175 0030 ORU; EE tx about yl DX-ers prgm trailers (434 5/30 Yajko-PA)
15190 *0015 ORU; EE ID nx wx "Mailbag" mx (333 5/29 Audette-MA)
15200v 0042 ORU EE travel prgm (433 5/12 Leeman-NI) You are off 10kc's see above ed.
17740 0625 ORU; FF ID (343 5/3 Witte-CA)
21460 1600 ORU; FF theme from King Kong (555 5/28 Dilk-NJ)
21475 1630 ORU; EE mx box to 1653* (333 6/3 Almer-WI)(Smith-CA)(Holmes-CO)(Hinton-TX)(333 Audette-MA)(Dieckmann-MC)

BULGARIA

9700 *1930 R. Sofia; EE ID freq's nx (222 5/20 Audette-MA)
11750 2145 R. Sofia; EE ID y/o w DX nx (222 5/4 Hodson-MN)(Holmes-CO)
11860 0440 H. Sofia; EE wld nx cmtly (333 5/8 Sanderson-AZ)
15135 2145 R. Sofia; EE "Viewpoint" (343 5/28 Alexander-PA)(Smith-FL)(Holmes-CO)(Dilk-NJ)(Hrivnak-IL)
15330 0045 R. Sofia; EE on/yl tx (422 6/5 Lucas-CA)(Korneke-VA)(Fraser-MA)(Dieckmann-MC)(Cereghin-MD)(Schroeder-WI)
17825 0126 R. Sofia; SS, IS ID freq sked nx (443 5/17 Holmes-CO)

CZECHOSLOVAKIA

7345 0330 R. Prague; EE nx cmtly mx (444 5/9 Sanderson-AZ)(343 5/3 Smith-FL)(Goetz-MI)
9540 0105 R. Prague; EE nx "Topics of the Day" (353 5/15 Smith-FL)
9740 *0100 R. Prague; EE ID nx by yl folk mx (222 5/18 Audette-MA)
11990 0120 R. Prague; EE opera/classical mx (444 5/18 Holmes-CO)(Dieckmann-MC)(Stane-ONT)(Stroh-IL)(333 5/11 Cereghin-MD)
17705 1600 R. Prague; EE tx to Africa contest info (322 5/28 Audette-MA)

DENMARK

15165 1620 R. Denmark; Danish mx mx (333 5/7 Witte-CA)

FINLAND

11800 2145 R. Finland; EE prgm on cultural nx (333 5/31 Audette-MA)(Wilkinson-MAH)
15265 2340 R. Finland; EE interview (433 5/6 Witte-CA)(Lucas-CA)(Rosewarne-CA)
15400 1325 R. Finland; EE tx on gourmets and how to eat fish (434 5/13 Miller-CA)(Cereghin-MD)(Hodson-MN)(Dieckmann-MC)(Wampler-VA)
17785 1430 R. Finland; EE northern report (232 5/16 Hinton-TX)

FRANCE

15135 0143 RFI; FF om nx (454 5/28 Smith-CA)
 15170 0645 RFI; FF classical to pop mx plus (323 5/21 Cakley-CA)
 15300 *1600 RFI; EE ID mx by om mx (333 5/20 Audette-MA)
 15315 0455 RFI; FF EZ mx ID (434 6/4 Blaize-LA)
 17720 1630 RFI; EE mx request prgm (443 5/27 Dieckmann-MO)(Audette-MA)(Scott-OK)
 17745 2130 RFI; FF sked ID (444 5/8 Cereghin-MD)
 17775 1226 RFI; mx anncr (443 6/2 Beeman-OH)(Smith-FL)
 17850 1818 RFI; EE tx about French-US relations mx (333 5/19 Miller-CA)(Earhart-PA)
 21580 1619 RFI; EE "PGA" nx (344 5/29 Wampler-VA)(Dilk-NJ)
 21620 1605 RFI; EE nx "Letterbox" (444 5/3 Witte-CA)
 21675 2202 RFI; FF om/tx (252 5/2 Dawson-CA)
 25800 1133 RFI; FF tx ID (222 5/18 Cereghin-MD)

GERMANY (FED REP)

7210 0220* DW; EE om request for listeners comments (433 5/17 Boehm-TX)
 11850 0930 DW; EE nx panorama sked (433 5/23 Zilmer-WI)
 11865 0145 DW; EE wld nx (333 5/13 Cereghin-MD)
 11905 1934 DW; EE wld nx variety prgm (443 5/31 Pavolka-NY)
 15275 1015 DW; EE nx cnty sked (242 5/29 Zilmer-WI)
 17780 1000 DW; EE mx cnty mx (343 6/5 Zilmer-WI)
 17875 1045 DW; EE nx cnty sked (242 6/5 Zilmer-WI)
 21500 1100 DW; EE nx cnty mx (353 6/3 Zilmer-WI)
 21600 1718 DW; EE wld nx (444 6/2 Yajko-PA)
 21680 1225 DW; GG IS ID TC y1/ tx (333 5/5 Smith-FL)

GERMANY (DEM REP)

9730 0125 RFI; EE UN Radio's anti-apartheid prgm no DX prgm on this local Monday
 xmas RFI announced a new 25mb // 11970 (5/15 Hauser-TN)(333 5/22
 Thompson-NM)(Miller-CA)(Richardson-AZ)(Goetz-MI)(Holmes-CO)(Mellinget-
 NJ)(Stone-CNT)(Wampler-VA)
 11805 0100 RFI; EE mx cnty GDR report (333 5/6 Fraser-MA)
 11890 0335 RFI; EE ID om/nx tx (333 5/19 Hodson-MN)(Donly-SC)
 11970 0115 RFI; EE om ID cnty on Warsaw treaty states proposal on disarmament (222
 5/24 Audette-MA)
 21540 1608 RFI; EE cnty (422 5/27 Dieckmann-MO)

GREECE

9515 0315 VOG; Greek y1 mx (433 5/8 Hrivnak-IL)(Hinton-TX)(Dieckmann-MO)
 9655 *0015 VOG; EE om/ wld nx ID (434 5/26 Audette-MA)(Brown-IL)(Lucas-CA)(Pavolka-
 NY)

HUNGARY

9833 0200 R. Budapest; EE nx tx (544 5/22 Miller-CA) Bill, I couldn't read your
 logging so I guessed at it. ed. (Sanderson-AZ)(Holmes-CO)(Hinton-TX)
 (444 Franzis-CT)(Hodson-MN)(Audette-MA)
 11910 0415 R. Budapest; EE DX-prgm (423 5/4 Witte-CA)(232 Audette-MA)
 15225 2115 R. Budapest; EE mx prgm ID (433 5/20 Audette-MA)(Kornaka-VA)
 17710 0000 R. Budapest; EE children's mx (333 6/4 Valentine-CA)(Rosewarne-CA)
 (Byron-NY)(Worrel-ND)

ITALY

11800 *1935 RAI; EE ID y1 w/ orch mx (333 5/27 Audette-MA)(Holmes-CO)(Dieckmann-MO)
 15305 0913 RAI; EE nx QRM de UNID SS station (312 5/9 Cereghin-MD)
 15315 2205 RAI; EE mx by y1 (544 5/13 Miller-CA)(Hinton-TX)(Hodson-MN)(Holmes-CO)
 15330 0355 RAI; EE y1 w/ nx (333 5/16 Sanderson-AZ)
 17795 0400 RAI; EE nx QRM de Australia (333 6/4 Stroh-IL)(Dieckmann-MO)(Stone-CNT)
 (Miller-CA)

LUXEMBOURG

6090 0046 R. Luxembourg; EE ID ads pop mx (444 5/26 Wampler-VA)(Famularo-NJ)
 15350 0330 R. Luxembourg; FF om anncr FF mx (333 5/28 Alexander-PA)(Stone-CNT)
 (Forbes-TX)(Earhart-PA)

MALTA

6100 0130 DW; EE nx (444 5/13 Goetz-MI)
 9565 0125 DW; EE IS ID ID's wld nx sked (544 5/15 Schroeder-WI)(Goetz-MI)
 (Holmes-CO)
 11065 0140 DW; EE nx (444 5/23 Franzis-CT)
 15105 0100 DW; PP ID (433 5/13 Stone-CNT)

Not enough room to start Monaco on this page. HAPPY BIRTHDAY to SPEEDX. ed

MONACC

7140 *0445 TWR; GG? Music Box IS heavy QRG (311 5/22 Pettit-IA)
 9610 0625 TWR; EE religious nx (443 5/8 Holmes-CU)

NETHERLANDS

17695 1830 R. Nederland; EE nx about Africa and Holland "His 'N' Hers" requests (543 5/22 Dilk-NJ)(Brown-IL)

NORWAY

9618 8210 R. Norway; Nor. useless due to co-channel w/ RSA (411 5/9 Holmes-CU)(Wilkinson-MAN)
 11860 0229 R. Norway; EE co-channel interference almost clobbered by DW (422 5/14 Boehm-TX)(Gorneke-VA)
 11895 0300 R. Norway; Nor. ID tx mx ID into EE @ 0400 (454 6/1 Findlater-CA) Your logging is a little hard to decipher. ed
 15175 2200 R. Norway; ID nx (232 6/3 Findlater-CA)
 15345 *1800 R. Norway; EE ID yl/ nx cmt on SALT II prgm at playwright (433 6/3 Audette-MA)
 17755 1605 R. Norway; EE nx review, (454 6/3 Worrel-ND)
 17795 2205 R. Norway; EE cmt on Norway mx ID's (444 5/27 Audette-MA)(Hinton-TX)
 17840 1403 R. Norway; EE Nordic nx classical mx (432 5/13 Dilk-NJ)
 21730 1652 R. Norway; Nor. IS ID nx sked (454 5/18 Holmes-CU)

POLAND

11815 0210 Polskie Radio; EE "Mailbag" (333 5/11 Goetz-MI)(Yajko-PA)(Worrel-ND)(Davenport-TN)(Byron-NY)(Pavolka-NY)
 15120 0215 Polskie Radio; EE Polish piano mx nx (333 5/21 Forbes-TX)(Holmes-CO)(Worrel-ND)(Dieckmann-MO)(Franz-CT)(Hinton-TX)

PORTUGAL

6025 0504 R. Portugal; EE tx about Britain ambassadors visit (323 5/25 Beeman-CH)(322 Latteman-WA)
 11935 0521 R. Portugal; EE "Press Reel" mx ID (454 6/3 Pavolka-NY)(Hodson-MN)(Holmes-CO)(Witte-CA)

ROMANIA

9570 0210 R. Bucharest; EE tx about Romanian mx (434 6/2 Yajko-PA)(Wampler-VA)
 9630 0155 R. Bucharest; EE DX Program ID (544 6/3 Pavolka-NY)
 9690 2000 R. Bucharest; EE interview w/ NY Times journalists mx yx (333 5/20 Audette-MA)
 11890 0155 R. Bucharest; EE tx about tourism mx (333 5/13 Byron-NY)
 11940 0400 R. Bucharest; EE Romanian pres congrats Mrs. Thatcher on her election as Prime Minister of GB (443 5/7 Byron-NY)(Stone-ONT)(Dieckmann-MO)(Gelfand-NY)

SPAIN

9360 0145 SFR; SS om-tx mx DX prgm (454 5/13 Brown-IL)(Boehm-TX)
 9630 0135 SFR; EE om/yl ID wld nx (554 5/15 Schroeder-WI)(Wampler-VA)(Smith-FL)(Cereghin-MD)(Thompson-NM)(Lucas-CA)
 11880 0045 SFR; EE report on 3rd annual meeting of geophysicists (434 5/17 Valentine-CA)(Grenier-CA)(Hrivnak-IL)(Chinakos-WA)(Brown-IL)(Dilk-NJ)
 17870 1526 SFR; SS IS mx (222 5/30 Naylor-CA)

SWEDEN

11705 *0230 R. Sweden; EE IS ID s-on "Panorama" (444 5/29 Wampler-VA)(Rudolph-AL)(Harrington-CO)(Oakley-CA)
 11905 0040 R. Sweden; EE tx tennis nx (343 4/13 Dawson-CA)
 15240. 0130 R. Sweden; SS IS ID wld nx (433 5/11 Cereghin-MD)(Wampler-VA)(Audette-MA)(Forbes-TX)
 15275 0230 R. Sweden; EE nx replaces 15290 (444 6/1 Zilmer-WI)(Kemp-Blair-CA)
 15290 0032 R. Sweden; EE special prgm of interviews with Nordic rock stars (555 6/4 Pavolka-NY)(Valentine-CA)(Audette-MA)(Scott-OK)(Hodson-MN)(Kaufman-NY)(Rosewarne-CA)(Lucas)(Miller-CA)(Yajko-PA)(Gelfand-NY)(Forbes-TX)(Grenier-CA)(Earhart-PA)
 15390 0700 R. Sweden; Swedish nx mx tx on current affairs (444 5/3 Witte-CA)
 21615 1420 R. Sweden; EE rock mx interviews (333 6/2 Gelfand-NY)(Dieckmann-MO)(Rudolph-AL)

SWITZERLAND

7210 0600 ICRC; AA prgm (311 5/30 Pettit-IA) Lani this is Red Cross. I am pretty sure they use the same IS as SRI. EE and FF is carried on Monday and GG/SS/AA. This probably is Red Cross. ed

SWITZERLAND

9535 1535 SRI; EE ID wld nx jazz panorama (222 5/27 Wampler-VA)
 9725 0150 SRI; EE ID nx (444 5/2 Beeman-OH)(Fallows-UNT)(Witte-CA)
 11715 0203 SRI; EE "Dateline" (333 5/11 Cereghin-ID)(Holmes-CO)(Harrington-CO)
 (Schroeder-WI)(Valentine-CA)
 15125 2057 SRI; SS/GG ID's TC nx tx (343 5/31 Latteman-WA)
 15305 0142 SRI; EE TC prgm trailers nx (? ? NO NAME)(Kemp-Blair-CA)(Miller)
 (Worrel-ND)(Schroeder-WI)(Smith-CA)(Harrington-CO)(Richardson-AZ)
 (Smith-FL)
 17730 *1815 SRI; EE ID yl w/ nx "Dateline" (222 5/28 Audette-MA)
 17830 1831 SRI; EE prgm on Skylab's impending return to Earth (242 5/29 Holmes-CO)
 21570 1700 SRI; Italian nx cnty (544 5/28 Dilk-NJ)(Pavolka-NY)(Gelfand-NY)
 (Grenier-CA)(Beeman-OH)
 21585 *2300 SRI; PP IS ID s-on nx (333 5/18 Gelfand-NY)(Earhart-PA)

UNITED KINGDOM OF GREAT BRITAIN

5975 0030 EE; "Radio Theatre" (454 5/8 Fraser-MA)(Fallows-UNT)
 11775 1415 EE; "Radio Newsreel" TC (444 6/3 Grenier-CA)
 11910 0307 EE; wld nx "News about Britain" (433 6/4 Strah-IL)
 15070 0505 EE; nx (222 6/6 Smith-CA)(Dawson-CA)
 17790 1050 EE; spirited nx hairdrier QRM yl announcer w/ fast tx "Puppy Love" (343 5/7
 Earhart-PA) Yes Ken, I've logged Cindi's hairdrier before. I had her
 sign a prepared QSL card verifying it too, hi. ed
 17870 1526 EE; yl w/ nx ID chimes (333 5/30 Naylor-CA)
 21710 1735 EE; "Letter from America" (444 5/7 Witte-CA) (Holmes-CO)(Latteman-WA)
 25650 1400 EE; Sandi Jones Request Show (252 6/3 Zilmer-WI)

UNION OF SOVIET SOCIALISTIC REPUBLICS

RADIO KIEV

9800 0050 EE; classical prgm (433 5/9 Cereghin-MD)(Audette-MA)
 11735 0305 EE; "Ukrainian Panorama" May Day celebration (444 5/1 Stone-UNT)(Fallows-
 UNT)(McCurry-CA)
 11830 0300 EE; nx not listed in sked for this time (444 5/3 Scott-OK)
 15405 0030 EE; nx cnty mx (454 5/13 Hinton-TX)
 15455 0050 EE; yl/om announcer DX-club (555 5/17 Korneke-VA)
 15525 0045 EE; "Mailbag" (544 5/12 Stone-ONT)(Harrington-CO)

**МОСКВА
РАДИО**

RADIO MOSCOW

4485 1235 RR; jazz mx (434 5/6 Oakley-CA)
 7230 1130 RR; classical mx QRM (423 5/3 Oakley-CA)
 9530 2233 EE; "Newsreel" (555 5/14 Moran-PA) via Simferopol. ed(Smith-FL)(Boehm-TX)
 9710 1500 EE; wld mx (454 5/24 Hensley-TX)
 17630 1032 EE; unid vocal mx tx could be Israel Home Service (353 5/7 Earhart-PA)
 Ken I checked this one out and it is the IBA. The listed frequency is
 17630. The Hebrew service on this frequency is carried from 0700-2315
 and can be heard easily on the East Coast. ed. This is also out of order.
 11960 2115 EE; ID om/yl tx (222 5/9 Hodson-MN)
 12010 1400 EE ID "World Service" om tx (333 5/12 Hodson-MN)
 12030 0615 EE; via Khabarovsk om nx heavy QRM from RTTY (422 5/29 Smith-CA)(Fraser-
 MA)
 12050 2315 EE; rpt on Soviet heart surgery (433 5/28 Audette-MA) via Khabarovsk ed.
 (Rudolph-AL)
 12060 *0200 SS; via Voronej IS s-on nx cnty (555 5/21 Boehm-TX)
 12070 2130 FF; IS cnty (444 5/20 Boehm-TX)
 15100 0533 EE; via Tula nx items (444 5/27 McCurry-CA)(Smith-CA)
 15275 2300 EE; nx cnty (444 6/1 Zilmer-WI)
 15435 0130 SS; ID (444 5/7 Stone-UNT) via Moscow ed.(Brown-IL)
 15520 1930 FF; nx cnty (454 5/8 Brown-IL)
 17815 1039 EE; via Simferopol tx on RR compasses (333 5/14 Cereghin-MD)
 17880 *0400 EE; via Tula chimes TC ID nx (454 5/4 Smith-FL)
 21530 1204 EE; via Frunzi wld nx tx about life in the Soviet Union (543 5/10
 Dilk-NJ)(Beeman-OH)
 21615 1300 EE; nx cnty (333 6/3 Zilmer-WI)

RADIO STATION PEACE AND PROGRESS

11630 0155 SS; ID followed by Radio Moscow at 0200 (333 5/3 Stone-UNT)
 15515 0115 EE; om nx tx on CIA (322 5/12 Hodson-MN)
 17880 1337 EE; tx on China by yl (343 5/30 Naylor-CA)
 21505 1430 EE; IS ID nx cnty (222 6/2 Gelfand-NY)

RADIO VILNIUS

11735 2300 EE; ID yl nx tx (322 5/19 Hodson-MN)(Dilk-NJ)(Audette-MA)
 15405 *2300 EE; nx (323 5/12 Pettit-IA)(Hauser-TH)(Smith-FL)(Wampler-VA)

VATICAN CITY STATE

9605 0100 Vatican Radio; EE prgm on children (434 5/10 Goetz-MI)
 9645 2036 Vatican Radio; EE tx about the Pope (333 5/9 Cereghin-MD)
 11845 0110 Vatican Radio; EE; prgm about children ID (444 5/18 Holmes-CO)
 (Fallows-ONT)(Hrivnak-IL)(Phillips-CT)
 15120 1520 Vatican Radio; EE mx tx (333 5/30 Rosewarne-CA)
 17325 1520 Vatican Radio; EE cmt on Pope (333 5/1 Dieckmann-L)
 24435 1115 Vatican Radio; EE report on Pope's visit to Poland (232 6/3 Elmer-WI)

YUGOSLAVIA

9620 2204 R. Belgrade; EE mx mx (433 5/11 Famularo-NJ)(Pavolka-NY)
 15240 *1500 R. Belgrade; AA on s-on mx (434 5/6 Thompson-CA)

And now some late loggings. Credit points will be issued next month.

BELGIUM

15190 0015 CRU; EE Flemish mx (444 5/2 Duran-NJ)

BULGARIA

15330 0020 R. Sofia; EE disco mx (555 5/18 Duran-NJ)

CZECHOSLOVAKIA

7345 0110 R. Prague; EE Czech propositions to UN's disarmament talks (555 5/29
 Coleman-MA)

FRANCE

15360 2105 RFI; FF pop mx (343 5/31 Dawson-CA)

GERMANY (FED REP)

7210 *0210 DW; mx current affairs (533 5/21 Piszczek-NY)

HUNGARY

9833 0210 R. Budapest; EE om/ rpt on the functions of the Academy of Science in
 Hungary (433 5/10 Coleman-MA)

LUXEMBOURG

6090 0015 R. Luxembourg; EE om w/ Stuart Henry Show (544 5/14 Coleman-MA)

MALTA

6100 0130 EE; mx and current affairs (544 6/5 Piszczek-NY)

PORTUGAL

9670 2114 AWR; EE om w/ sermon (412 5/9 Stickle-NY)

ROMANIA

9570 0200 R. Bucharest; EE cmt on celebration of May Day (454 5/1 Duran-NJ)

SWEDEN

11705 0238 R. Sweden; EE "Panorama" (444 5/30 Stickle-NY)

SWITZERLAND

9725 *0143 SRI; EE IS ID TC "Dateline" (333 6/1 Crable-ID) Do I owe you a letter???

UNION OF SOVIET SOCIALISTIC REPUBLICSRADIO KIEV

15525 0050 EE; discussion of religion (434 5/18 Duran-NJ)

RADIO MOSCOW

11690 2020 RR; mx tx (232 5/29 Dawson-CA)

RADIO VILNIUS

15525 2330 EE; cultural prgm (343 5/19 Duran-NJ)

And now the following from the BBCMS. And they are copyrighted.

BULGARIA/SOUTH YEMEN

According to the Bulgarian Telegraph Agency, a protocol for co-operation in 1979 and 1980 was signed on 2/27 in Sofia between Bulgarian Radio and the Radio Organisation of the Peoples Democratic Republic of Yemen. The project is to broadcast special programs in connection with each others National occasions and other important events.

MALTA

The new program is described as "Sixty minutes of music, news and information from the island of Malta in the center of the Mediterranean". A 5-minute news bulletin is given at 0715. The closing announcement states that the program is being broadcast from Radio Mediterranean Malta. Listeners are requested to send reception reports and suggestions about this program to: "Malta Calling" P.O. Box 82, Valette, Malta.

PORTUGAL

Radiodifusao Portuguesa stated on 4/12 that its News and Current Affairs Department supplied news not only to the non-commercial First and second Programs but also to the commercial 3rd and 4th programs and to the external Services. The Department produced at least 90 bulletins totalling 15 hours each day.

USSR

1. A broadcast from Yerevan in Armenian to Europe on 5/6 carried a statement made on Soviet Radio Day by the chairman of the Armenian State Committee for the Radio and television. Discussing shortcomings in the external service he stated that many reports of poor reception had been received from abroad. Deliberations were taking place on the building of new transmitters, increasing broadcast times, changes in schedules and the beams of broadcasts to Armenians living abroad.
2. In an article marking Radio Day in the USSR, the newspaper 'Pravda Vostoka' reported that the total volume of republican broadcasting from Tashkent on three programs now amounted to 33 hours. Programs are in Kazakh, Russian, Tadzhik, Tatar and Uzbek. Radio Tashkent's external services are heard in the Middle East, South East Asia and other areas. Considerable work has been carried out on cable and radio relay line construction to increase television coverage; 96 per cent of the population of the Uzbek SSR can now receive 1st program. Powerful television relay stations are expected to become operational during 1980 in Bakhara, Gulistan, Kokand and Kungard so as to provide two programs in those areas. The television coverage area will also be increased by the powerful radio and television station being built in Tashkent which will have a 350-meter high tower. There are also plans to build new and to re-engineer existing radio relay lines to extend the color television network in the Uzbek SSR. This will allow 93 per cent of the population to receive two channels in color.
3. The two broadcasts beamed to Africa, in English and French, from Radio Station Peace and Progress have exchanged transmission time. The French broadcast is now heard from 1500-1530 while the English transmission is on the air from 1630-1700.
4. Radio Moscow announced in its Great Britain and Ireland service on 3/5 that listeners could now write to the program via a newly-opened mailbox in London. The new address is Soviet TV and Radio, P.O. Box 105, London W2 30X.
5. Radio Moscow reported that the first long term agreement on co-operation between the USSR and Spain in the field of radio and television was signed in Moscow on 3/5. It provides for the exchange of material about the Soviet and Spanish peoples, mutual help in the preparation of programs of the most important events in the USSR and Spain, and the filming of joint productions.
6. A protocol on radio and television co-operation was signed in Moscow on 3/4, according to Radio Moscow's Arabic Service, between the USSR State Committee for Radio and television and the Radio Organisation of the People's Democratic Republic of Yemen. The agreement called for, inter alia, an exchange of programs on the most important events in the USSR and the PDHY.
7. The regional external service transmission, which is beamed to Europe from Yerevan, Armenian SSR, on Sundays only from 0800-0900 on 12040 has again been observed carrying a five minute news bulletin in French at 0850. The remainder of the transmission is in Armenian.
8. Radio Moscow's weekly discussion program on foreign affairs "International Observers at the Round Table" which moved to new times on 1/7 is relayed for Russian speaking listeners abroad from 1230-1300.
9. The news agency, Tass, has reported the launching of a new communications satellite "Molniya-3", in the USSR on 10/13. It will ensure the operation of long distance telephone, telegraph and radio communications, the transmission of Central Television programs to the "Orbita" satellite-receiving network as well as international co-operative activities.
10. In a review of listeners letters broadcast on Radio Moscow's World Service on 12/2 the program presenter mentioned that as of this month the Radio Moscow World Service will cut down on the number of frequencies used in any one hour. This will enable the service to stay on the air for several hours on the same frequencies. In a similar program the purpose of the world service was designed as a round-the-clock service to keep listeners informed and up-to-date.

YUGOSLAVIA

The Croatian newspaper "Vjesnik" on 10/7 published an article entitled "Hooligans on the air" in which it was stated that certain enterprising peasants and craftsmen assemble radio transmitters from parts of discarded radio equipment bought in junk yards. They then broadcast on medium-wave from kitchens and sheds their own programs of music, humor and information and even request programs for which they levy a charge. The number of such pirates in Croatia alone varied from year to year from 100 to as many as 300, most of them being located in a narrow area close to the northern borders of Croatia. The suppression of these stations has not been sufficiently effective in the past and the fines imposed on offenders by magistrates have had no deterring effect since their request programs brought in money to pay the fines and the cost of replacing the confiscated equipment. Now a two month's prison sentence has been proposed for such offenders.

And now this from Rob Harrington of Denver Colorado:

17695 is a new frequency for M. Nederland. It is listed in their new schedule of transmissions.

From 1830-1920 English L17695, M11730, M6020 transmission to SW & Central Africa, L17695 is directed for North & Central Africa daily.

And from Emil Kasprzyk, Polskie Radio asked Emil for taped reports for use by the technical staff. Their address is Polskie Radio, Ausycje dla Polonii, 1 Polakow za Granica, 00-950 Warszawa, P.O. Box 46.

The following items are from the UHN, Box 232 McLean, VA 22101. 10 issues for \$3.00.

Radio Moscow World Service to North America 2300-0400

9530	Simferopol	17700	Petropavlovsk-Kamchatsky
9700	Sofia (From 0130)	15425	"
11720	Nikolayev	15245	Nikolaevsk-Amur
11750	Flovdiv	15100	Khabarovsk
11770	Vimitsa	12050	Khabarovsk
11780	Sofia (to 0300)	9710	Petropavlovsk-Kamchatsky
11960	Novosibirsk		
12030	Simferopol		

PACIFIC COAST SERVICE (0400-0800)

15425	Petropavlovsk-Kamchatsky	12050	Khabarovsk
15405	Khabarovsk	12030	Nikolaevsk-Amur
15180	Petropavlovsk-Kamchatsky	9710	Petropavlovsk-Kamchatsky
15100	Khabarovsk		

RADIO KIEV/ VILNIUS/ RODINA To NORTH AMERICA

2200-2300	R. Kiev Ukrainian	15525, 15135, 11880, 11790, 9800	15405, 15180
2300-2330	R. Vilnius English	" , 11790, 11735	17870, 15405, 15280
2330-0030	R. Rodina Russian	" 12040, 11735, 9640	"
0030-0100	R. Kiev English	" 11735, 9800	"
0100-0130	R. Vilnius Lith	" 11735	"
0130-0200	R. Moscow Russian	12040, 11735, 11790, 9640	"
0200-0300	R. Rodina Russian	" 11735, 9640	"
0300-0330	R. Kiev English	11830, 11735, 9800, 9655	"
0330-0400	R. Kiev Ukrainian	" " " "	"

And now from my schedule file the following;

AUSTRIA EE:

0130-0200	5945, 9770	0830-0900	6155, 15410, 21610
0300-0330	5945, 9770, 12015 (Sun)	1230-1300	9770, 17860, 21610
0330-0400	5945, 9770	1830-1900	15435, 15560, 21740
0430-0500	15260, 21525		

DENMARK To North America:

1400-1245	Danish	15165
1245-1315	English	"
2200-2245	Danish	15165
2245-2315	English	"
0100-0145	Danish	9520
0145-0215	English	"

FRANCE EE:

1600-1700	11845, 15155, 15300, 17715, 17850, 21585, 21620, 21675
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Well that is it for this expanded Europe volume. Time to put this typewriter back in the closet till next month. Thanks to 77 reporters. Happy Birthday to SPEEDX. I won't make it to ANARC at the end of June but I'll see you in '80 here in Los Angeles. 23'

SWBC DX

AFRICA



Editor: WAYNE OLIVER
1 GERMAIN AVENUE
BRADFORD MA 01830



FEBASE
Seychelles

Deadline: 12th
Times & Dates: GMT
Frequencies: kHz

Radio Television Kaduna

First off this month I would like to wish SPEEDX a very, very HAPPY BIRTHDAY!! This month will mark the 8th anniversary of a truly well versed DX magazine. I am proud to say I have been part of SPEEDX for seven of those eight years and looking back, I don't believe I could have picked a better DX publication to subscribe first to.....Hope everyone enjoyed a gud DX month.. and also hope that those of you who attended ANARC 79 also had a good time.. I hope to be doing quite a bit of DX'ing in future weeks, just got my PRG-7 back from Radio West, w/a few modifications, if anyone is contemplating about having an IP filter installed to improve selectivity, I would highly reccomend it, greatly improved reception with it in circuit.... 53 reporters this month...a few good catches...especially from Costa Constantinides who is now in South Africa...check his Lesotho logging...wish it was that easy here...again Happy Birthday SPEEDX...and on to the loggings.....

ALGERIA

11740 2000 RTVA: FF tlks, mx, chanting (444 5/16 Fallows-ONTARIO)

ANGOLA

3375 0406 R. Nacional: PP anns, cmnty, NA and ID at 0448 (252 5/19 Moore)

ASCENSION ISLAND

7105 0510 BBC-Atlantic Relay: EE/FF lang lesson (444 5/22 Holmes-CO)
9580 0105 BBC: OM w/mx request prog, 0115-ID (543 5/15 Schroeder-WI)
(433 5/1 0235 Oakley-CA)
15400 1639 BBC: World Service ID, into nx (444 5/30 Naylor-CA)

BENIN

4870 0520 LVR: FF tlks, drum mx, FF ID (252 5/19 Brown-IL)(332 5/13
2245 FF Byron-NY)(312 5/25 0558 FF Beeman-OH)(454 5/22 0502
FF Moore-PA)(343 6/14 2240 Oliver-MA)

BOTSWANA

4845 0515 N. Botswana: EE nx into vernaculars (555 6/2 Constantinides-
South Africa)(252 5/19 0620 vern Tent. Brown-IL)

CAMEROON

5010 0443 Radio Garoua: FF tlks, mx, over co-channel Colombian (434
5/19 Moore-PA)
9745 2130 Radio Yaounde: FF anns/afro pops until 2200 EE ID (333
6/2 Moore-PA...QRM de Iraq)

CONGO

3265t 0425 RTC: FF/vern tlks, frequent mentions of Brazzaville, 0455-TC
(353 6/4 Vranes-PA)
15210 1240 RTC: Sinatra song, YL FF tlks (423 5/16 Oakley-CA)

EGYPT

9475 0200 Radio Cairo: EE tlks, mx, cmnty on Arab self-rule (444 5/24
Fallows-Ontario)(Holmes-CO)(Woltman-WI)(Hrivnak-IL)(Brown-
IL)(Rudolph-AL)(Pokatiloff-IL)(Oakley@CA)(Carrier-VA)
12050 0200 Radio Cairo: EE "Names Made Famous" (333 5/19 Rudolph-AL)
(444 5/14 0250 EE Dieckmann-MO)
15340 2030 RC: change from AA to FF, possible lang less. at 2045, Big
Ben chimes at 2100, AA ID (??? 6/6 Hopkins-PA)
15475 1717 RC:w/Voice of Arabs pgm (454 5/13 Brown-IL)
17745 1410 RC: AA tlks, MOR mx, into more tlks (333 5/30 Naylor-CA)

GABON
4777 2355 LVR: FF tlks, 0006* w/NA (333 5/21 Alexander-PA)(442 4/28 0427 FF Holmes-CO)

GHANA
3366 0533 GBC: EE/unknow lang, tlks, EE nx at 0600 (323 5/23 Durnavich-IL)
4915 0550 GBC: lively drum mx, ID (332 5/21 Thompson-CA)(Durnavich-IL)
6130 2216 GBC: African mx pgm, ID "This is the West African Service of Radio Ghana", NA,2301* (443 5/31 Pavelka-NY)

GUINEA
9650 2305 Radio Nationale: Afro mx, FF ID at 2308 (343 5/17 Moore-PA) (443 5/6 0720 FF Witte-CA)
15310 1820 RN: mx and cmnty in FF, then EE cmnty (443 5/27 Vranes-PA) (322 5/28 1830 EE...as Chris points out...EE is Mon/Fri only per announcement, Lobdell-MA)

IVORY COAST*
4940 0600 RTVI: FF nx, bongo mx //7215&11920 (333 5/23 Durnavich-IL)
11920 2140 RTVI: Jazz mx, FF tlks (343 4/22 Mellinger-NJ)(534 5/13 0615 FF Thompson-CA)(433 5/16 0700 FF Oliver-MA)(???) 6/7 2100 FF/vern Hopkins-PA)

KENYA
4915 0700 Voice of Kenya: EE ID,IS,OM nx, severe QRN (131 5/19 Thompson CA)(253 5/22 0315 Swahili Moore-PA)

LESOTHO
4800 1520 LNBS: Disco mx, EE programs (555 6/2 Constantinides-S.Africa) Fine catch OM!!! Most NAM DX'ers only dream about armchair copy of LNBS!!!

LIBERIA
4770 0640 ELWA: Gospel mx, EE rlg tlks (353 5/19 Thompson-CA)(333 5/10 *0556 EE Saylor-PA)(332 5/31 0635 EE Carrier-VA)
6035 0444 VOA: OM w/"Jazz Hour" (454 6/6 Smith-CA)
7280 0659* VOA: EE "African Safari" mx (232 6/1 Morrison-NC)
11915 0625 ELWA: EE ID, IS, more mx (433 5/2 Witte-CA)
11935 *0627 ELWA: IS, EE/FF/AA ID, into AA (433 5/18 Thompson-CA) OK... which freq is it or is it both, or changed from 5/2-5/18..wlo
12010 2215 VOA: EE tlks about singer Patty Smith (fair 4/24 Sellers-ONT)
15235 0108 VOA: EE nx, ID "Breakfast Show" (333 4/30 Wilkinson-MANITOBA)
17860 0410 VOA: EE nx about British Election (354 5/4 Smith-FL)

LIBYA
11700 0046 PRBS: AA tlks, chants, 0154* with Moscow left behind (555 5/18 Holmes-CO)(453 5/29 0025 AA Dawson-CA)(333 5/13 0017 AA Brown-IL)
15100 0800 PRBS: AA tlks, flute and drum mx //17800 barely audible (454 5/25 George-TX)

MADAGASCAR
11730 1530 Radio Nederland: IS,ID into Dutch nx (222 5/27 Grenier-CA)
11740 2115 RN: EE w/'Afro Scene' (good Sellers-ONT)(454 5/29 2050 EE Smith-FL)
17810 *1330 RN: TS,IS, GG (Dutch???..wlo) ID, Skeds (444 5/30 Naylor-CA)
17855 1506 RN: EE tlks on food and cooking (343 5/30 Naylor-CA)
21480 1440 RN: Dutch tlks on Harrisburg incident (444 5/5 Beeman-OH)

MALI
5995 2353* RNM: FF pgm of Afro mx, 2353* w/NA (333 6/2 Donly-SC)

MAURITANIA
4845 0649 RNM: Vern tlks, AA mx, heavy QRN, no ID so Tent (242 5/19 Thompson-CA)(444 5/23 0622 AA chants, very slow Durnavich-IL)(353 5/22 0600 AA non stop chants Moore-PA) (343 5/26 0600 FF OM tlks, pop mx, ID Witte-CA)

Notes from All-Over; Bob Donly sends along a note that he heard on one of the DX shows that Radio France International might lease Gabon's new International Service xmters for relay purposes...only time will tell....wlo

MOROCCO

7295 0615 VOA: EE "Breakfast Show", tlks on SALT (343 5/11 Brown-IL)
 21735 2145 RTVM: AA chants, tlks (242 5/12 Alexander-PA)(343 5/30
 2139 Earhart-PA)

MOZAMBIQUE

3265 0400 RCM: IS, PP OM anns, afro choral mx (253 5/22 Moore-PA)
 4925 0510 RCM: Tsonga tlks and mx, 'B' pgm (444 6/2 Constantinides-S.AF)
 7240 0600 RCM: PP tlks, ID 'A' pgm (555 6/7 Constantinides-S. Africa)

NIGERIA

4755 2230 FRC-Imo: This is the unidentified station in June SPEEDX.
 Continuous mx was observed, until 2300* when an ann was made
 saying that they are a new FRC station running a test tx
 and asking for reports...address is Imo Broadcasting Service
 Box 329, Owerri, Nigeria (fair 5/21 Hopkins-PA)(333 6/6 2230
 Fisher-MA)(444 5/30 2255 EE Vranes-PA)
 4990 2310 FRC-Lagos: EE pgm notes, TC, 2312* (333 5/29 Yajko-FA)
 5965 0500 FRC: EE african nx, ID (222 5/28 Saylor-FA)
 6025 2306* FRC-Enugu: EE s/off, NA, mx (333 5/23 Vranes-PA)
 7255 *0500 Voice of Nigeria: EE s/on, mx, 'West African Service' (433
 6/8 Phillips-CT)(333 5/24 0532 EE Durnavich-IL)
 15120 0630 VON: FF YL tlks, Afro chants (433 5/12 Witte-CA)

RHODESIA

3396 0422 Rhodesian Broadcasting Corporation: EE tlks, pop mx, 0429-
 ID, poor signal by 0436 (433 at tune in 4/27 Holmes-CO)
 (354 5/22 0410 EE Moore-PA)(444 2/6 1715 EE Constantinides
 S. Africa)(242 5/19 0410 EE Mellinger-NJ)(232 5/28 0425 EE
 Alexander-PA)
 7120 0550 RBC-African Service: local mx, EE ID, anns (444 6/3
 Constantinides-South Africa)

RWANDA

15410 0145 DW: GG ID, OM tlks, 0150* (544 5/6 Schroeder-WI)
 17765 1233 DW: EE/Hausa tlks, QTH ID (454 5/25 Carrier-VA)

SAO TOME

4807 2252 Radio Nacional: light mx, PP ID, 2302* (333 6/9 Lobdell-MA)

SENEGAL

4890 0035 Radiodiffusion du Senegal: FF OM tlks, ID (232 5/23 Alexander
 PA)(444 5/23 0630 FF Durnavich-IL)

SEYCHELLES

11855 1800 Far East Broadcasting Association: Mx, EE rlg pgms (555 6/2
 Constantinides-S. Africa)(323 5/24 1600 EE Oakley-CA)
 15405 0300 FEBA: Farsi pgms, OM/YL tlks (434 5/2 Witte-CA)(333 4/12
 0310 Farsi Kaufman-NY)(333 5/11 0340 Farsi Hrivnak-IL)
 (222 5/15 0305 Farsi Durnavich-IL)

SOUTH AFRICA

4835 0545 SABC: EE cmtly on Indian affairs (444 6/2 Constantinides-S.af)
 (222 5/28 0435 EE Alexander-PA)
 4880 0515 SABC: local mx, Afrikaans pgm (555 6/2 Constantinides-S. Africa)
 (333 5/29 *0350 Afrikaans Saylor-PA)
 9580 0327 Radio RSA: Interviews w/authors (444 6/4 Stroh-IL)(534 5/29
 0235 EE Miller-CA)
 9595 0212 R.RSA: EE s/on, ID, cmtly //11900 (333 5/11 Cereghin-MD)
 9610 0210 R.RSA: "Saturday Night RSA" (444 5/27 Pokatiloff-IL)(444 5/13
 0215 Grenier-CA)(533 5/19 0215 EE Forbes-TX)
 15220 *0600 R.RSA: OM EE ID, world nx (544 5/18 Thompson-CA)(Gaede-CA)
 (B. Miller-CA)(Oliver-MA)
 17780 *0455 R.RSA: IS, FF s/on (fair Sellers-ONTARIO)(Brown-IL)(Miller-CA)
 (Carrier-VA)(Oliver-MA)
 21535 1827 R.RSA: GG nx, ID, cmtly (344 4/13 Beeman-OH)(Earhart-PA)(Byron-NY)
 I believe this to be Dutch pgm.....wlo
 25790 1538 R.RSA: EE ID, time and freq sked (555 5/13 Boehm-TX)(Cereghin-
 MD)(Carrier-VA)

SWAZILAND

3200 1800 TWR: EE Gospel pgm, QRM de Radio 5 (444 6/2 Constantinides)
 5055 0345* TWR: Vern pgms, EE ID, Bell IS (222 5/28 Saylor-PA)

TANZANIA
15435 1705 Radio Tanzania: EE tlks (433 6/2 Constantinides-S.Africa)

TOGO
5047 0520 RTVT: IS, NA s/on at 0532, FF nx (343 6/5 Donly-SC)

ZAMBIA
9580 0430 ZBS: EE/vern tlks, ID's, pop mx (333 5/25 Witte-CA)

AFRICAN DRUMBEAT

The following where noted are BBCMS items and cannot be used without permission of the BBCMS: LIBYA: The domestic service from the SFIABC is now carried from 0800-1700 on 15100, 11700, 9660 and 9500 kHz. The Voice of the Arab homeland external service in Arabic is broadcast on the same freqs from 1700-2200.....MOROCCO: The following is the new sked for Moroccan Radio and Television's domestic Arabic service...1000-1100 on 15360/15335, 1100-1700 on 21735/15360/15335, 1700-1900 on 21735/15335/9540, 1900-2100 on 21735/15155/9540, 2100-2400 on 21735/15155/6095, 2400-0100 on 21735/15155...NIGERIA: Test transmissions have recently been observed until 2300 on 4755 kHz. Closing announcements, in English state that the Imo Broadcasting Service is testing a shortwave transmitter for the Federal Broadcasting Corp. of Nigeria..Tests are carried out daily from 0400-0900 and 1600-2300 on 4755 and from 0900-1600 on 6165 kHz...reception reports according to announcements should be sent to the Chief Engineer, Imo Broadcasting Service, PC Box 329, Cwerri, NIGERIA.....MAURITANIA: The National Radio of the Islamic Republic of Mauritania announced that during the 40 day period of mourning for the Prime Minister who was killed in an air crash 5/27, all scheduled radio programs with the exception of news bulletins, local communique and certain religious programs would be suspended. The overall period of transmission would also be reduced...The station would be on the air on weekdays from 0700-0900, 1400-1500 and 1800-2300. (on 4845 kHz and reportedly on 7245 kHz).....UGANDA: Recordings of light music were observed in progress at 1410 on 578. Ten minutes later an announcement in English stated that the transmission beamed to East and Central Africa, came from the "Radio Uganda External Service Broadcasting Station in Soroti". The announcer stated that they were happy to inform listeners that they were now liberated and thanked the Presidents of Tanzania and Uganda and the Liberation Front Army for the wonderful job that had been done... The announcer went on to say that they were on the air with light music because they had been unable to get connections with the studios in Kampala. Normal service would be resumed when the lines were through to Kampala. This announcement was repeated several times until the transmission ended at 1700. The external service transmitter at Soroti was last heard at 1800 on 4/12.....ZAMBIA: The Zambia Broadcasting Service on 5/21 reported that the Minister of Information and Broadcasting Services stated that ZBS radio reception was expected to be back to normal soon following the repair of the transmitters which had been off the air since last November. They would have been operational 5/18 but engineers were still testing them before making them fully operational.....ETHIOPIA: The "Voice of Zimbabwe" program broadcast by the Voice of Revolutionary Ethiopia external service has been heard on 9560 kHz, which replaces the previously heard 9615 kHz.

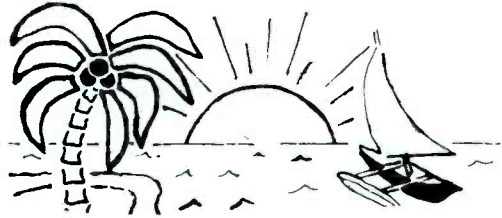
SOUTH AFRICA-EXTERNAL SERVICES (partial sked...rest next month...wlo)

0200-0250...English to North America and Canada on 11900/9610/9585/5980...
0300-0425...EE to East & Central Africa & ME on 9585/7270/5980/4990/3995..
0430-0530... Lozi to Zambia on 9585/7270....0500-0550..FF to Afr on 17780/
15220
0600-0700... English to West Africa on 21535/17780/15220...0700-0750...FF on
same frequencies
1100-1155...EE to Africa, Europe and ME on 25790/15125...1200-1250 in FF...
1300-1550...EE to Africa, Europe and ME on 25790/21535/15220 (not Su)
2100-2150...EE to West Africa and Europe on 17780/15155/11900/9585.....
The above are all BBCMS items and cannot be used without permission.....
Well that about does it for another month...Once again a very Happy Birth-
day wish to SPEEDX...and again I hope everyone had a good time at the
ANARC 79 Convention...Just as a note I believe the new Nigerian has stopped
testing not noted here for last three days, haven't heard 49mb freq. either
Hope everyone is enjoying the summer...CNU in 30.....

Wayne

ASIA-OCEANIA

NEW EDITOR:
 JIM MAYER
 1139 LA SENDA DR.
 FULLERTON, CA 92635
 U. S. A.



DEADLINE: 12th of the month

Frequencies in KiloHertz Time in GMT month/day format
 a=approximate h=harmonic m=measured t=tentative *0000=s/on 0000*=s/off

FREQ TIME STATION

OCEANIA

AUSTRALIA

- 4920 0731 ABC Brisbane:EE OM tlk, 40s jazz mx, QRM (Lattemann WA 5/13 332)
 5995 1133 R. Australia-Lyndhurst: sports nx, horse racing (Yajko PA 5/26 344)
 6045 0845 RA-L: "Club Forum", w/ Keith Glover, // 9670 (Lattemann WA)(Yajko)
 9570 1122 RA-J: nx, "Focus on Australia" (Osterberg WI 5/9)(Worrel ND)
 9580 1214 RA-S: "Mailbag", answered my letter (Stickie NY 6/3 555)(Mellinger NJ)(Rudolph AL)(Dilk NJ)(Schroeder WI)(Grenier CA)(Cereghin MD)+++
 9610 1345 ABC Perth: world & WA nx, IDs "6WF and regionals" (Lucas CA 5/10+)
 9670 0945 RA-S: mx, letters (Willie AZ 5/17 434)(Osterberg WI)(Smith FL)++++
 11705 1005 RA-S: world & Australian nx by OM, top hits, IDs (Audette MA 5/20) (Yajko PA)(@ 1405 Wilkinson MAN)(Scott OK).....
 11740 0700 RA-S: world nx, TC, Aust. nx in brief (Carrier VA 5/31)(Smith FL)
 11800 1832 RA-Canarvon: nx, pop mx (Lattemann WA 5/10 333)(Pimblett ALB) / MA)
 11880 1105 RA-S: nx by OM, pop mx w/ YL ancr (Duran NJ 6/2)(Fraser MA)(Audette
 15130 *1030 RA-S: IS, EE ID, into Chinese pgrm, mx, // 11760 (Audette MA 5/20)
 15160 0605 RA-L: world nx, local nx (Earhart PA 5/28)(Gaede CA)(Witte CA)
 15240 0630 RA-L: C & W mx, // 15160 (Gaede CA 5/11 333) WI
 15310L 0245 RA-S: "Club Forum" w/ Keith Glover, to Asia this freq. (Osterberg
 15320 0425 RA-S: nx, mx, interview w/ cricket umpire (Dieckmann MO)(Smith FL) (Gaede CA)(Lattemann WA)(Smith CA).....
 15425 0850 ABC Perth: "Weekend Mag.", National nx, WA nx, 0942* (Lucas CA 5/23
 17725 0502 RA-S: EE to PNG & Pacific (Seller ONT)(Audette MA)(Carrier CA)
 17755 0402 RA-S: nx, // 17795, 15320, co-channel QRM from NHK (Holmes CO 5/23)
 17795 0130 RA-S: mx w/ OM ancr (Pokatiloff IL 5/27 323)(Cralbe WA)(@ 0300 Moran PA)(Stroh IL)(Sanderson AZ)(Stone ONT)(Osterberg WI)(Sellers ONT)(Smith FL)(Miller CA)(McCurdy CA)(Earhart PA).....
 17870 0605 RA-C: world nx, to Asia (Munster GA 6/7 252)(@ 0900 Carrier VA)
 17890 0517 RA-S: EE to Pacific, "Focus on Australia" (Sellers ONT 5/2) LA)
 21525 0630* RA-S: French w/ disco mx, then into EE (Munster GA)(@ 0440 Blaize
 21680 0100 RA-S: nx, // 17795, 21740 (Alexander PA 5/30 242)(@ 0628 Carrier VA)(Munster GA)(Brown IL)(Smith FL).....
 21740 0220 RA-S: OM/YL cmtry, mx (Hrivnak IL)(Pokatiloff IL)(Dilk NJ)(Grenier)

GUAM

- 11840 0845 KTWR: EE w/ religious pgrm (Scott OK 6/1 444)

NEW CALEDONIA

- 7170 1102* R. Nounéa: French w/ jazz mx, tlk, anthem, anmts (Vranes PA 5/28)

NEW HEBRIDES

- 3945 0820 New Hebrides Broadcasting Service: PF/EE w/ ID, C & W and island mx, local and world nx, 1000* (Norcross GUAM 5/28+ 333)

New Hebrides
 CONDOMINIUM
 des
 Nouvelles-Hebrides

Radio Australia 

HAPPY

BIRTHDAY

J.P.E.D.L.

NEW ZEALAND

6105 1034 RNZ: EE story, theme from Sesame Street, // 11945 (Morrison NC)
11945 0831 RNZ: world nx, Pacific & NZ wx, National R. ID, TC (Carrier VA)
15345 0511 RNZ: C & W mx pgrm, ID, TC, nx, wx (Pavelka NY 6/9 454)(Witte CA)
(Smith CA)(Thompson CA)(Gaede CA)(Holmes CO)(Pimblett ALB).....
17860 0345 RNZ: mx, drama, tlc on NZ (Phillips CT 6/8 354)(Kemp-Blair CA)++++

PAPUA NEW GUINEA

2340 1105 R. West New Britain: u/lang w/ old Beach Boys tune (Uerlings OR 6/9 233)
2376 1109 R. Chimbu: EE w/ American rock mx (Uerlings OR 6/9 222)
2428 1112 R. New Ireland: Pidgin w/ easy listening mx by OM (Uerlings OR 6/9)
2450 1114 R. Western Highlands: Pidgin OM tlc, C & W type mx (Uerlings 6/9)
2468 1117 R. Northern: Pidgin w/ C & W mx by OM, island mx (Uerlings OR 6/9)
3220 1110 R. Morobe: Pidgin w/ TPs, ID, local mx OM ancr (Howell CA 5/20 343)
3260 1123 R. Madang: Pidgin CM tlc, ID, poor quality mx (Howell CA 5/20 232)
3322t 0908 R. North Solomons: OM tlc in u/lang, inst. mx (Lobdell MA 6/4 121)
3385 1058 R. East New Britain: EE w/ EZL mx, tlc on provinces (Durnavich IL)
4890 0819 NBC Port Moresby: ID, sports w/ Ken Jones & Peter Fong, local TC,
nx headlines (Carrier VA)(Hrivnak IL)@ 1355 Greater CA)(Thompson)
9520 0800 NBC: EE w/ NBC mx, smoke alarm ad (Durnavich IL 5/22 444)(Witte CA)

SOCIETY ISLANDS

11825 0513 R. Tahiti/FR 3: Tahitian w/ pop mx, then in to FF (Murphy CA 5/23)
15170 1705 RT: Tahitian tlc, mx (Naylor CA 5/30 443)(Smith CA)

RADIO-TAHITI

SOLOMON ISLANDS

5020 0715 Solomon Islands Broadcasting Corp.: EE/Pidgin w/ rock mx, contest)
promo, TC, ads, local nx (Mikell IL 5/17)(Lattemann WA)(Thompson CA
9545 0550 SIBC: Neo-Melanesian (Pidgin) w/ church service, RA nx, BBC pgrm,
TC, pgrm summary, ID (Walcutt TX 5/20)(Maise LA)(Witte CA).....



RADIO AFGHANISTAN

AFGHANISTAN

4775 *1400 RA: EE nx of USSR, Pakistan, 1425* (Norcross GUAM 5/19 322)

BANGLADESH

15285 1230 RB: EE w/ good ID by YL, wiped by Moscow, 21685 not heard (Norcross GUAM 5/10)

BRUNEI

7215 1200 RTV Brunei: EE YL w/ ID (Norcross GUAM 5/9 333)



BURMA

5985 *1430 Burma Broadcasting Service: EE w/ classical mx, OM host (Norcross 5/19 GUAM)

CHINA

3310 1123 Changchun, Jilin: Chinese w/ YL tlc, mx (Howell CA 5/20 232)
4750 1203 Hallar: CC YL w/ tlc (Howell CA 5/20 332)
4940 1217 Xining, Qinghai: CC OM tlc in Beijing 1 relay (Howell 5/20 343)
5060 1224 Urumqi: CC OM tlc in Beijing relay (Howell CA 5/20 343)
5240 1305 Fujian Fronts Station 1 (PLA): CC opera mx, local inst. (Murphy CA)
7275 0852 Guiyang, Guizhou: CC YL/OM tlc, mx (Dawson CA 4/23 343)
7770 1040 Beijing 2: CC OM tlc, dramatic readings? (Naylor CA 5/12 444)
9080t 1345 Beijing 1: CC w/ opera (Murphy CA 5/17 444)
9820 1210 R. Peking: EE nx, OM ID, mx (Holmes CO 5/25 544)
9880 1313 RP: CC tlc, mx interlude, more OM tlc (Naylor CA 5/15 332)
11000 1259 Taiwan Service: IS, s/on in u/lang w/ YL cmtry, nx (Naylor CA 5/14)
11302 1527 Beijing 1: CC w/ Baroque mx, YL tlc (Lattemann WA 5/15 433)/CO)
11330 1618 Beijing 1: CC w/ classical mx, YL cmty, WRTH lists 1600* (Holmes
11375 1330 RP: AA? w/ YL tlc, AA/CC type mx, "Int'l", 1354* (Naylor CA)
11515 1035 RP: u/lang w/ classical mx, EE ID @ 1053, CC mx (Carrier VA 5/10)
11945 1245 RP: EE ID, OM/YL w/ CC lessons, freqs, 1255* (Hodsdon MN 5/14 333)
11980 1230 RP: SS s/on w/ YL, nx, cmtry, CC inst. mx, 1255* (Naylor CA 5/14)
15085 0255 RP: u/lang w/ CC mx (Gaede CA 5/11 333)
15095 0444 RP: CC OM/YL w/ tlc, mx (Dawson CA 4/19 353)
15115 1701 RP: u/lang w/ IS, s/on, YL ID, tlc, nx, cmtry (Naylor CA 5/27)
15125 0933 RP: EE tlc on Vietnam in Kampuchea, ID, cmtry (Carrier VA 5/24)
15165 *1130 RP: SS s/on w/ nx (Yajko PA 6/2 343)
15285 0400 RP: EE nx, "Across the Land", cmtry (Findlater CA)(Murphy CA)
15300 0415 RP: EE w/ world nx, cmtry on British election (Sanderson AZ 5/8)

CHINA (continued)

15520 1230 RP: EE drama, local mx (Zilmer WI 5/20 433)(Smith CA @ 0425))
15790 *1245 Voice of the Malayan Revolution: Malay w/ ID, anthem, mx (Howell CA)
17650 0100 RP: SS w/ ID, OM/YL tlk, // 17635 (Findlater CA 6/3 252)
17680 0105 RP: EE w/ world nx, CC mx, CC lessons (Stone ON 5/7)(Smith FL)
(Pokatiloff IL)(Dilk NJ)(Fraser MA)(@ 1030 Naylor CA)(Holmes CO)++
17855 0110 RP: EE nx, cmtry, ID (Alexander PA 5/10 343)

CYPRUS

9695 2212 Cyprus Broadcasting Corp.: IS, Greek s/on, now * prgm, // 7230 (Donly SC)
11735 0031 BBC Limassol: EE w/ "A Jolly Good Show", QRM (Osterberg WI)unlist,
11760 0915 BBC Limassol: EE w/ "World Today" (Smith FL 5/23 333)
15420 0006 BBC Limassol: EE world & British nx (Scott OK 5/15)(Smith CA)

INDIA

11620 1958 All Inida Radio: Indian mx, EE w/ freqs, ID nx (Pavelka NY 5/31)
(Fisher MA)(Smith FL)(@ 2230* Carrier FL).....
11810 *1330 AIR: EE OM w/ nx (Norcross GUAM 5/10 322)
15110 2115 AIR: OM in u/lang, DW QRM after 2125 (Thompson CA 5/27 343)
15335 1400 AIR: EE nx, classical raga, usually has pop local mx this hr., ID
(Murphy CA 5/14 343)(Duran NJ)(Norcross GUAM)(Naylor CA).....

INDONESIA

ALL INDIA RADIO

2907t 1230 RKPDTkt2 Gresik: Indo OM w/ Indo tlk (Uerlings OR 6/9 222)
2977 1225 unid Indo OM/YL nx, // 3000 (Uerlings OR 6/9 233)
3000t 1220 RKPDTkt2 Javan Timur, Surabaya: Indo OM w/ nx (Uerlings OR 6/9)
3055t 1208 RKPDTkt2 Sampang: Indo OM w/ tlk (Uerlings OR 6/9 222)
3074t 1203 RKPDTkt2 Bojonegro: Indo OM w/ tlk (Uerlings OR 6/9 121)
3120 1056 RRI Dili: Indo OM tlk, ID (Howell CA 5/20 252)
3132 1156 unid Indo w/ YL ancmts, EZL mx (Uerlings OR 6/9 222)
3241 1113 RRI Ambon: Indo YL ID, tlk, cmtry? (Howell CA 5/20 353) CA)
3265.2m 1251 RRI Gorontalo: Indo w/ MOR mx, 6pips @ 1300 (Naylor CA)(Thompson
3295 1254 RRI Samarinda: Indo 2 OMs tlk, inst. mx, 1200 ID, nx (Thompson CA)
3477 1148 unid Indo w/ gamelan mx (Uerlings OR 6/9 211)
3503.5 1139 RPKDTkt2 Banyuwangi: Indo w/ gamelan mx (Uerlings OR 6/9 232)
3577t 1143 RPDtkt2 Situbondo: Indo w/ C & W type mx (Uerlings OR 6/9 222)
4755 - 1205 RRI Ujungpandang: Indo OM tlk, nx?, // 4719 (Howell CA 5/20 443)
4845 1124 RRI Ambon: Indo w/ MOR mx, ancmts, YL IDs (Naylor CA 5/22 433)
5255 1231 RRI Sibolga: Indo w/ long nx prgm by OM (Howell CA 5/21 343)
9612t 0945 RRI Jayapura: Indo w/ local mx, OM tlk (Davenport TN 5/4 333)
11789 1400 V. of Indonesia: EE ID, nx by OM (Dilk NJ 5/7 232)(Hensley TX)
(Pimblett ALB)(Grenier CA)(Mellinger NJ).....
15200 *0750 VOI: EE w/ IS, ID, YL nx, NHK QRM to 0830 (Norcross GUAM 5/28 343)

IRAN

15084 0145 V. of Iran: Farsi tlk w/ local pop mx (Murphy CA 5/18 354)
(Stone ONT)(Pimblett ALB)(Thompson NM)(Smith CA)(Earhart PA)....

IRAQ



9745 2131 R. Baghdad Int'l: EE w/ freqs, ID, AA mx, nx (Pavelka NY)(Durna-
w/ich NY)

ISRAEL

ISRAEL RADIO

9815 2240 IBA: EE nx, Begin speech (Moran PA 5/14)(Hrivnak IL)
11643 2145 IBA: Hebrew HS, // 17585, 17565, 17630 (Zilmer WI 5/23)(Brown IL)
11655 2240 IBA: EE discussion prgm, influence on EE of Hebrew (Goetz MI 5/9)
(Fraser MA)(Worrel ND)(@ 2030 Rudolph AL)(@ 0456 Smith FL)(Munster)
15105 0500 IBA: EE YL w/ nx (Findlater CA 5/20 353)(Smith FL)
15485 0455 IBA: Hebrew then into EE w/ editorial (Munster CA 6/5)(Holmes CO)
(Earhart PA)(Blaise LA)(Smith FL)(@ 2245 Witte CA)(Zink CA)++++++
15585 0440 IBA: Hebrew HS w/ mx, pop mx, tlk (Blaise LA 6/4 444)(Smith FL)
17630 0645 IBA: Hebrew HS, pop mx, nx @ 0700 (Brown IL)(@ 1112 Earhart PA)
(@ 1545 Donly SC)(@ 1845 Munster GA).....
17645 2238 IBA: EE nx, editorials (Dieckmann MO)(Audette MA)(Rudolph AL)++++
21495 1210 IBA: EE w/ prgm on Book of Ruth (Gelfand NY 5/31 222)
21565 2230 IBA: FP, into EE prgm, // 21625, 21675 (Zilmer WI 5/23 252))
21625 2245 IBA: EE w/ nx, Begin speech (Duran NJ 5/19)(Famularo NJ)(Leeman RI

JAPAN

9505 1605 R. Japan: EE w/ Asian nx, cmtry on Narita Airport (Richardson AZ) (Lattemann WA)(Grenier CA)(@ 1200 Goetz MI)(Holmes CO)(Smith FL)..
 NSB: EE w/ JJ lessons (Scott OK)(Fisher MA @ 1555)
 9595 0949 RJ: EE ID, JJ prgm, 1000 into Port. to LAM (Miller CA 5/20 544)
 11705 0930 RJ: EE cmtry on JJ politics (Brown IL 5/8 252)(@ 1200 Yajko PA)
 11815 1815 RJ: EE nx (Pimblett ALB 5/8 343)
 15105 2003 RJ: EE tlkon JJ industry (Carrier VA 5/24 343)
 15195 1000 RJ: EE prgm (Pokatiloff IL 5/27 121)(@ 0500 Murphy CA)(Sanderson AZ)(Pimblett ALB)(Harms WA)(Hrivnak IL)(@ 1914 Lattemann WA).....
 15420 1758 RJ: German w/ IS, ID, // 11855, 9505 to NAM inaudible (Holmes CO)
 17755 0058 RJ: IS, ID, EE tlk, nx (Smith FL 5/12 333)(Holmes CO)
 17815 0215 RJ: EE nx, 0230 into Spanish (Valentine CA 5/7 455)

KAPUCHEA

4903 1315 Phnom Pehn: Cambodian? OM w/ tlk (Norcross GUAM 5/10 323))
 9695 1203 Phnom Pehn: Cambodian? w/ Kampuchea ID, nx, Vietnam, 1305*(Norcross

NIPPON HOSO KYOKAI

DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA

3015 1210 R. Pyongyang: JJ service w/ Oriental mx, YL ancr (Uerlings OR 6/9)
 4110 1153 V. of Rev. Party for Reunification: KK YL w/ singing (Howell CA)
 9420 0930 RP: PF EZL mx, ID, Oriental mx, freqs, 0950* (Carrier VA)(MillerCA)
 9977 1325 RP: EE OM /YL ancr, tlk on the "Great Leader" (Lucas CA 5/29 454)
 (Scott OK)(Woltman WI)(Holmes CO)(Yajko PA).....
 11351 1340 KCBS: KK mx, OM ancr (Scott OK 5/15 343)

REPUBLIC OF KOREA

9525 1130 R. Korea: EE w/ nx, VOA s/on covers them (Zilmer WI 5/22 322)
 9580 1000 RK: EE nx, cmtry, local mx, freqs, sked, // 11725 (Zilmer WI 5/22)
 9720 *1600 RK: EE ID, nx by OM (Wilkinson MAN 5/7 444)(Dieckmann MO)(Hodsdon)
 Mn)(Valentine CA)(Durnavich IL)(Thompson NM)(Grenier CA)(Hensley TX)
 9870 1605 RK: EE nx, editorial, "Melodies of Korea" (Grenier CA 5/26 222)
 11665 1400 RK: EE nx (Scott Ok 5/15 233)(Murphy CA)(Zilmer WI)
 11725 1000 RK: EE w/ "Korea Marches On" (Willie AZ)(Kemp-Blair CA)(Smith FL)
 11830 1618 RK: EE w/ KK folk songs (Somers CA 6/9 244)(Valentine CA)(Holmes CO)(Harrington CO)(Thompson CA)(@ 1800 Brown IL)(Schroeder WI)++++
 12090 *1400 RK: EE ID by OM, into nx (Wilkinson MAN)(Zilmer WI)
 15255 1800 RK: EE ID, YL w/ nx, // 11830 (Findlater CA 6/2)
 15570 2300 RK: EE nx, cmtry, // 15345, to NAM (Zilmer WI 5/22 222)
 17737 0300 RK: KK? nx (Valentine CA 5/7 334)(EE @ 0430 Sanderson AZ) **RADIO KUWAIT**

KUWAIT

15345 1854 RK: EE w/ pop mx, ID, "Jazz and Blues Time" prgm w/ jazz mx
 (Pavelka NY 5/31)(Scott OK)(Audette MD)(Dieckmann MO)(Dilk NJ)++++

LEBANON

15285 0229 RL: EE at usual time on new freq, replacing 15440, claiming EE was
 0130 (instead of FF), said MW xmtrs were shut down (Hauser TN 5/10)
 (Mellinger NJ)(Pavelka NY)(Brown IL)(Kaufman NY)(Earhart PA)++++++
 21610 1835 RL: EE w/ world nx, QRM de WYFR 21615 (Gelfand NY 6/1 222)

MALAYSIA (Peninsular)

9515 1520 R. Malaysia Kuala Lumpur: Bahasa Malaysia w/ nx, pop mx (Witte CA)
 9665 1130 RM Kuala Lumpur: EE, then into B. Malaysia (Norcross GUAM 5/9 444)
 15295 0830 Voice of Malaysia: TPS, EE nx, cmtry, lite mx, end of EE, 5 min.)
 of IS, B. Malaysia s/on (Lobdell MA daily 343)(Durnavich IL)(Fisher

Sabah

4970t 1145 R. Malaysia Sabah: u/lang w/ MOR mx, no ID (Norcross GUAM 5/10 222)

Sarawak

4835 1322 R. Malaysia Sarawak Kuching: BM 2 OMs tlk, TC, YL nx (Thompson CA)
 4950 1145 RMS: EE nx w/ OM, then pop mx (Grenier CA 6/3 333)
 4985 1135 RMS: EE nx, // 4950, then separate prgm (Norcross GUAM 5/10 433)
 7160 1100 RMS: EE w/ TPS, prgm ancmt, ID, stock, pop mx (Lazarus LA 5/26 323)

MONGOLIA

9575 1220 R. Ulan Bator: EE nx, tlk on "Year of the Child" (Norcross GUAM)

MALDIVES

cf. June A/O, Marge Oakley's log of Maldives on 7224 @ 0350 has been confirmed, she also indicates that she heard R. Maldives on 9558 @ 0705 on 4/20, this has also been confirmed.....FB Marge!

Radio Maldives

MALE REPUBLIC OF MALDIVES

NEPAL

5005t 1433 R. Nepal: EE w/ Asian mx, 1435 YL ID? (Norcross HI 5/19 222)

His Majesty's Government
Department of Broadcasting
RADIO NEPAL

PAKISTAN

17847 0400 RP: EE not heard but then audio & by 0400 ID, Farsi pgrm (Hauser TN)
21590 0155 RP: Indo ID by YL, t1k, nx by OM (Donly SC 5/27 353)(EE @ 0230 (Forbes TX)(Pavelka NY)(Harrington CO)....

PAKISTAN
BROADCASTING
CORPORATION

PHILIPPINES

7225 1518 FEBC: CC? YL w/ t1k, religious mx, ID (Thompson CA 5/15 433)
11765 0900 FEBC: EE w/ "Back to the Bible", nx (Scott OK 6/1 343)(Miller CA)
11965 1344 VOA: CC w/ EE lessons (Scott OK 5/10 343)
15155 1316 VOA: EE nx, ID by OM (Wilkinson MAN 5/4 333)
15345 0758 VOA: EE w/ swing mx, ID, then pgrm in Russian (Smith FL 5/29 323)
15440 1500 FEBC: EE ID, t1k, religious mx (Miller CA 5/19 434)(Thompson CA)
17810 0033 FEBC: EE nx by OM, covered by WYFR on 17805 (Holmes CO 5/22 222)
21670 1700 AFRTS: EE w/ TPs, AP nx, f/out (Durnavich IL 6/1 242)

SA'UDI ARABIA

11855 1900 BSKSA: EE s/on by YL, Qu'ran, "Pgrm Billboard", pop mx (Donly SC)
11960 2115 BSKSA: AA YL ancr, AA vocals (Thompson 5/15 343)
15060 2232 BSKSA: AA t1k, nx, gongs in between (Earhart PA)(Thompson NM)
17760 0450 BSKSA: AA ancts, mx, // 11950, 11870, 9720, 7220, 5877 (Holmes CO)
21590 1314 BSKSA: AA concert of AA mx, applause, 1332 ID (Donly SC 6/6 333)
29115h --- BSKSA: thought was Algeria harmonic, but World DX club indicates in its Mid-Monther is Sa'udi Arabia, 3 x 9705 (Hauser TN).....

SINGAPORE

5052 1129 R. Singapore: EE w/ EZL mx, Asian nx @ 1130 (Norcross GUAM 5/10)
9740 1300 BBC Far East Relay: EE w/ world nx (Howarth WA 5/8 454)
11940 1450 RS: EE YL t1k, pop mx, severe QRM (Witte CA 5/25 433)
15380 *0444 BBC FE Relay: RR svce w/ IS, ID, into nx (Holmes CO 5/23 252)

ශ්‍රී ලංකා ගුවන් විදුලි සංස්ථාව

SRI LANKA

487@ 1115 SLBC: Sinhala w/ OM ancr, group & solo vocals (Howell CA 5/21 443)
11835 1100 SLBC: EE w/ "R. Monitors International", " Window on the World", history of Australian Radio (Zilmer WI 5/20 422)(Dilk NJ).....

TAIWAN

11745 0935 VOFC: Mandarin w/ CC folk mx, t1k (Carrier VA 5/10)(Harms WA)
15270 0100 VOFC: EE pgrm, QRM de NHK (Harms WA 5/21 322)

ANKARA

TURKEY

7170 2250 V. of Turkey: EE nx, ID, time & freqs (Smith FL 5/6 322)
9515 2130 VOT: EE w/ "DX Corner", // 6185, 7170, 11955 (Durnavich IL 5/21 (Brown IL)(Pavelka NY)(Audette MA)(Smith FL).....
11955 0358 VOT: Turkish w/ "Burası Turkei" ID (not as per WRTH), mx (Holmes CO)(EE @ 2130 Dieckmann MO)(Sellers ONT)(Hodsdon MN)(Miller CA)...
15135 1603 VOT: Turkish songs by OM, inst. accomp'nt (Earhart PA 5/13 353+)

UNION OF SOVIET SOCIALIST REPUBLICS

4795 1211 Ulan Ude: RR OM/YL t1k, relay Moscow? (Howell CA 5/20 343)
4825 1115 R. Moscow via Vladivostok: Korean w/ nx, cmtry (Harms WA 5/17 232)
9490 0235 RM via Nikolayev: EE t1k, cmtry, Georgian mx (Smith FL 4/12 433)
9550 *2330 Radiostantsiya Rodina via unid site: RR s/on, into nx (Yajko PA)
11590 1630 RM: World Service EE ID, OM t1k, mx (Findlater CA 6/2 252)
11770 2200 RM: WS w/ "Radio Newsreel", cmtry, nx, mx (Findlater CA 5/20 232)
11835 1500 RM via Irkutsk?: EE mx, nx (Scott OK)
12030 1136 RM via Petropavlovsk: Korean nx, cmtry (Harms WA) (Boehm TX)
12050 0650 RM via Petropavlovsk: EE w/ DX pgrm, to be changed to "Hobbyland"
12070 1140 RM: Korean w/ cmtry (Harms WA 5/17)
15100 0330 RM via Vladivostok: EE t1k, t1k on RR rock group (Valentine CA) (@2255 Miller CA)(@ 0508 Smith CA)(@ 0642 Gaede CA).....
15140 0233 RM Via Petropavlovsk: EE "Views About the Soviet Union" (Chinakos WA)(@ 0430 Smith FL)(@ 0633 McCurdy CA).....

U. S. S. R.

15180 0530 RM via Nikolaevsk: EE mx, tlk on USSR (Woltman WI)(Smith CA @ 2215)
15240 0634 RM via Novosibirsk: EE nx, cmtry, ID, // 15140 (McCurdy CA 5/9)
15245 1143 RM via Petropavlovsk: Korean w/ mx (Harms WA 5/17)
15285 1145 RM via unid site, "Melodies from Moscow" (Harms WA 5/17)
15425 2300 RM via Petropavlovsk: EE cmtry, nx, etc., to NAM (Fimblett ALB)
17870 0405 RM via Khabarovsk: EE nx, "Week in Review", //11720, 11735 (Dennis IN)

Georgian S. S. R.

5040 1348 Tbilisi 1: RR? w/ folk mx, OM tlk (Howell CA 6/4 252)
17805 1145 R. Moscow via Tbilisi: Korean mx, "Melodies from Moscow" (Harms WA)

Kazakh S. S. R.

11950 *2359 R. Alma Ata: PR w/ chimes IS, anthem, OM tlk (Wilkinson MAN 5/7)

Uzbek S. S. R.

9540 1122 RM via Tashkent: Korean nx, cmtry (Harms WA 5/17 443)
9600 0330 R. Tashkent: EE w/ DX prgm, mx (Woltman WI 5/29)(RM @ 1124 Harms)
15460 1214 RT: EE tlk on Viet-China war, ID by OM (Wilkinson MAN 5/22 333)

VIETNAM

4108 1145 Viet Bac: u/lang OM/YL tlk (Howell CA 5/21 343)
10040 1015 V. of Vietnam: EE OM w/ cmtry on US-China trade, 1028* (Carrier VA)
12030 1520 VOV: Viet YL w/ mx (Witte CA 5/25 433)
15009 1800 VOV: EE nx, anti-US tlk (Piszczek NY 5/21 453)(Lucas CA)(Dawson CA) (@ 2103 Pavelka NY)(Alexander PA)(Leeman-Fisher MA)(Thompson CA)+++

YEMEN ARAB REPUBLIC

9780 *0300 R. San'a': bird IS, anthem, ancmts, Qu'ran, AA prgm (Pettit IA)

DATELINE

CHINA/CLANDESTINE - Voice of Democratic Kampuchea, broadcasting from China in Cambodian is listed as follows: (0400-55) on 11725, 17705; (0900-55) on 11980, 15600; (1200-55) on 11600, 11660, 11990; (2330-0025) on 9470, 11685.....BBCMS

INDONESIA - VOl broadcasts on 11789, 15200 with the following sked: EE (0100-0200); Indo (0200 0300); EE (0800-0900); Malay (0900-1000); Mandarin (1000-1100); Indo (1100-1200); Japanese (1200-1300); French (1300-1400); EE (1400-1500); Thai (1500-30); German (1530-1600); Arabic (1600-1700).....BBCMS

IRAN - V. of the Islamic Republic of Iran's External Service has adjusted its broadcasts to this tentative sked: (1315-1400) Pushtu on 11735; (1400-45) Urdu on 11735; (1445-1515) Russian on 11930; (1630-1930) Arabic on 11735; (1730-1800) Turkish on 9138; (1800-30) German, (1830-1900) French, (1900-30) EE on 9138.....the Domestic Service is: on 9138 (1530-1730, 1930-0600); 9765 (2230-0150); 11735 (1445-1630, 1930-2100); 11930 (1515-2100); 15084 (24 hours); 17840 (0530-1500); also noted on 7215 and 15315 closing at 1330.....BBCMS

ISRAEL - IBA's broadcasts in Farsi (Persian): (0449-54) on 11960, 15105; (1645-1715) on 7395, 9009; (1730-55) on 7395, 9009.....BBCMS

KUWAIT - RK's Domestic Service is as follows, in Arabic: (0400-0735) on 7120, 11990; (0735-0815) on 11990; (0815-1030) on 11825, 11990, 17725, 21605, 21685; (1030-1300) on 11825, 17725, 21605 (to 1330), 21685; (1300-1515) on 11825, 11990, 17725, 21685; (1515-1600) 11990; (1600-1915) on 6055, 7120, 11990; (1915-2110) on 5055, 7120.....BBCMS

SA'UDI ARABIA - BSKSA's External Service sked is: French (0500-0700), EE (1100-1300), both on 11855; Turkish (1200-50) on 15230; Indo (1300-50) on 21530; Urdu (1400-50) on 17270; Farsi (1500-50) on 11855; Swahili (1600-50) on 21520; Somali (1700-1800) on 11910; French (1700-1900), EE (1900-2200), both on 11855.....the Domestic Service in Arabic is: (0300-0500) on 5875, 7220, 9670, 9720, 11950; (0500-0730) on 5875, 7220, 9670, 9720, 11870, 11950, 15060, 17760; (0730-0830) on 9670, 11870, 15060, 17760; (1000-1500) on 5875, 7220, 9670, 9720, 11870, 11950, 15060, 21590; (1500-2130) on 5875, 6080, 7220, 9670, 9720, 11950, 15060; (2130-2300) on 5875, 6280, 7110, 7220, 9670, 9720, 11950, and 15060.....the Holy Qu'ran Station is (1500-1800) on 15220, and (1800-2100) on 11685.....BBCMS

Just enough room left to say my last farewell. Starting with the August issue please send your loggings and DX items to the new A/O editor Jim Mayer, 1139 La Senda Dr., Fullerton, CA 92635, USA. I hope you will give Jim the same great support that you gave me over the past 4 years. I've enjoyed every minute of it and have especially enjoyed meeting and corresponding with many of you. For now I will say, selamat tinggal and 73, 06/19/79

WORLD SERVICE STATION SKEDS

PROGRAMMI

BULLETIN DE PROGRAMMES

ENGLISH SERVICE

PROGRAMME SCHEDULE

Editor:

ORLA REESE
1639 Massachusetts St
Lawrence KS 66044

EMISSIONS

TRASMISSIONI

PROGRAMS

SERVIZIO

Deadline: 12th

COMUNICATI NEL CORSO

Happy birthday to SPEEDX!!! In fact, not only is this the eighth anniversary of the most active shortwave listeners' club, this month marks a year since I took over as editor of Station Skeds. I hope I have improved with my compilation of your contributions since I started, and I know that things can get a lot better. So, keep sending in your suggestions on how Station Skeds can better inform you. Oh, yes, and your schedules, too.

Hopefully, by the time you read this I shall have met quite a few of you at ANARC 1979 in Minneapolis. As for the rest of you all, I guess that you get a little extra time for listening in, hi.

A note before we get to the schedules: All schedules are for English transmissions, unless otherwise noted. Now on to the schedules.....

AUSTRALIA, RA, to 2 Sept.:

Pacific Is. Svce. 5995 @ 1000-2000.
6045 @ 0800-2000. 6060 @ 1330-2030.
9505 @ 1800-2030. 9570 @ 0700-0900.
9580 @ 1800-2200. 9670 @ 0630-1030.
11725 @ 1900-2130. 11740 @ 0700-0900.
11855 @ 1900-2200. 15240 @ 2100-0730.
15160 @ 2100-2400, 0100-0500, 0600-0700.
15320 @ 0400-0500, 0600-0930.
17795 @ 2200-2400, 0100-0500.
17890 @ 2200-0600. 21740 @ 0100-0330.
Pap. N. Guinea/NW Pac. 6080 @ 1230-2030.
9570 @ 1130-1300, 1400-1730.
9625 @ 2000-2200. 15355 @ 2100-0530.
11790 @ 0600-0700, 1000-1200.
11880 @ 1100-1300, 1400-1730.
17725 @ 0130-1000.

Asia 6005 @ 1530-1730. 6035 @ 2100-2230.

9770 @ 1000-1730. 11705 @ 1000-1500.
11820 @ 2100-2330. 11870 @ 1500-1730.
15310 @ 2230-0300. 17870 @ 0130-1000.
21570 @ 0800-1000. 21680 @ 0000-0930.

Africa 17755 @ 0400-0500, 0600-0630.

21525 @ 0400-0500, 0600-0630.
Europe 9570 @ 0700-0900. 11740 @ 0700-0900.
11800 @ 1800-2000.

N America 9580 @ 1100-1300.

17795 @ 0100-0300. 21740 @ 0100-0300.
Gaede, T. Smith.

AUSTRIA, ORF, no langs. indicated, to 2 Sept.:

Europe 0500-1900 6155. 0900-1200 7170.
1200-1400 9770. 1500-1700 9770.
1900-2200 9585. 1900-2300 5945.
0900-1200 (SE Eur.) 9770.
1300-1600 (SW Eur.) 12015.
N America 2300-0400 5945. 1200-1300 17860.
2300-0400 (ECNA) 9770. 0400-0600 (WCNA) 15260.
C America 0200-0400 12015.
S America 2100-2300 15320.
0000-0200 (ECSA) 12015. 2100-2400 (ECSA) 12015.
W Africa 1900-2100 15320.
S Africa 1700-1900 21740. 1900-2100 15435.
E Africa 1700-1900 15435.

F East 0600-0900 15410. 1600-1900 15560.

Aust./SE Asia 0400-0600 21575.

0600-0700 21500. 0900-1300 21610.

Aust./N Zealand 0700-0900 21735.

E Asia 0600-0900 21610. Zilmer.

BRASIL, Radiobrás, as of June 1:

0300-0400 15290 (ex 15280) to N America.
2000-2100 15270 to Europe.
2100-2200 15280 to Africa.
Send reports to: Radiobrás; Int. Svce.;
Box 04-0340; Brasília, DF; Brasil.
Bratlie, Byrone, Cereghin, Fraser, Hook,
Larson, Pinna.

BULGARIA, R Sofia, from 19 April:

British Isles: 1930-2000 9700, 11720.
2130-2200 15135, 11750.
N America: 0000-0100 15330.
0430-0500 11750.
11750 @ 0430 & 15330 @ 0000 have been
heard. Fallows, Munster.

CANARY ISLANDS, Span. For. Radio's xmtr.

@ Tenerife Brdcsts in SS @:
1400-2000 (Sun.) 11815, 15365 to C & S America.
2045-2145 15365 to S America.
G. Holmes.

CHILE, VOC:

0100-0130 9630, 15140, 17800. 0400-0430 11890.
0230-0300 11890, 15140, 17800.
1100-1130 15110, 17715, 17815.
1400-1430 15110. 2030-2100 11780.
2330-2400 9630, 11720, 11800, 15140.
Harrington.

CHINA, PEOP. REP. OF, RP, from 20 April:

0000-0200 15115, 15520, 17680 to ECNA.
0200-0300 15115, 17680, 17855 to ECNA.
0300-0500 11685, 12055, 15300, 17680 to WCNA.
0830-1030 9460, 11600, 11725, 15125, 17635
to Aust./N Zealand.
1200-1300 11685 to ECNA.
1200-1400 9290, 11650, 15270, 17810 to SE Asia.
1400-1600 9860, 11650, 15315 to S Asia.
1600-1800 9860, 15315 to E & S Africa.
1930-2130 9880, 11695, 15100 to W & N Africa.
2030-2230 6860, 7470, 11500 to Europe.
Fraser.

Glatum's Law - "The perceived usefulness of an article is inversely proportional to its actual usefulness once bought and paid for."

China (Taiwan) starts the next page off...

CHINA, REP. OF (TAIWAN),VOFC, to 1 Sept:
2130-2230 9600,9765,11725,11860,15225 to
Africa/Mid East/W Europe.
2140-2240 9685,11745,17890 to N America.
2140-2240 11825 to Aust./N Zealand.
VOFC also brdcsts to N America in Mandarin
@ 1000-1100 on 11745. direct.

ECUADOR, HCJB, from May:
N America 0040-0500 9745,11915.
0500-0700 6095,9745,11915.
1200-1600 11740(off at 1430),15115,17890.
S Pacific 0600-1130 6130,9745(0700-1030) ↗
Europe 0700-0830 11835,15170. 11900.
1700-1800 17765,21480.
1900-2000 15295,17790,21480.
2130-2200 15295,17790,21480.
DX Party Line is @ 0230-0300(Mon-Wed-Sat)
to N America; 0800-0830(Mon-Thu-Sat)to
Europe; 0900-0930(Mon-Thu-Sat) to S Pacific.
**There is also a new Quechuan Svce, @
0900-1300 & 2130-0300 on 3220. Power is
10 kw.
Cereghin, Dekeyser, Durnavich, Moran.

FRANCE, RFI, "Paris Calling Africa", to 1 Sept:
W Africa 15300,17720,17775,21675.
C & S Africa 17850,21580.
E Africa/Ind. Oc. 17860,21595,21620.
N Africa 11845,15155,15300.
Byron, Davenport, Dekeyser, Grenier, Kana,
Oakley, T. Smith.

GERMANY, EAST, RBI, to N America:
0100-0145 9730,11970 ECNA.
0230-0315 9730,11970 ECNA.
0330-0415 11840,11890,11970 WCNA.
Sked hrd over RBI on 22 May.
G. Holmes, Wampler.

GERMANY, WEST, DW, from 3/79 "Hallo Friends":
Asia 0120-0220 6065,7210,7285,9690,11945.
0930-1030 9650,11850,15275,17780,17800,
21540,21680.
1720-1750 7160,9590,11785,15405,17825.
2100-2200 7130,9765.
S,C, & E Africa
0430-0515 7150,7225,9565,9765,11765. 21600.
1045-1115 11785,15410,17765,17875,21500, ↗
1715-1745 9735,11965,15135,21600.
1745-1805 15135,21600. 11765.
W Africa 0600-0630 11905,15275,17875,9700, ↗
1200-1245 15410,17765,17875,21600.
1930-2000 11905,15150,17795.
N America
0130-0150 6040,6075,6085,6100,9545,9565,
9605,11865.
0530-0550 5960,6100,6185,9545,11785.
Bower.

HUNGARY, RB, to 4 November:
0200-0230(Tues-Sun) 6105,9585,9835,11910,
15225,17710 to N America.
0300-0330 6105,9585,9835,11910,15225,17710
to N America. ↗to Aust/NZ/Japan.
1030-1100 9585,9835,11910,15160,17785,21525 ↗
1200-1230(Mon-Fri) 7155,9585,9655,9833,11910,
15160 to Europe/Scandinavia.
1430-1500(Mon-Fri) 6110,9585,9835,11910,
15160,17785 to Asia.
Hungary continued on the next column....

HUNGARY, cont.
2100-2130 6025,7200,9655,9835,11910,15220
to Europe.
0400-0415(Wed,Sat) "Calling DXers..." 6105,
9585,9835,11910,15225,17710 N America.
1515-1530(Tue,Fri) "Calling DXers..." 6110,
7200,9585,9835,11910,15220 Europe.
direct.

INDONESIA,VOI, brdcsts on 11790 & 15200 in
EE(0100-0200,0800-0900,1400-1500);Indone-
sian(0200-0300,1100-1200);GG(1530-1600);
Malaysian(0900-1000);Mandarin(1000-1100);
JJ(1200-1300);FF(1300-1400);Thai(1500-1530);
Arabic(1600-1700). Kana.

ITALY, RAI, thru August:
0100-0120 11800,15315 N America.
0350-0410 11905,15330,17795 S Asia.
0425-0440 5990,7275 Mediterranean.
1935-1955 7275,9710,11800 Great Britain.
2025-2045 7235,9575,11800 Near East.
2200-2225 9710,11905,15315 Japan.
Cereghin, Rzepka, Wampler.

JAPAN, NSB, in JJ & EE:
1st prgm.:2100-1615 on JOZ,JOZ2,JOZ3;2100-
2400,0800-1615 on JOZ4.
2nd prgm.:2315-0745(2300-0745 Sun) on JOZ5,
JOZ6;0100-0500 on JOZ7.

Call	kHz	kW	Location
JOZ	3925	50	Tokyo.
JOZ2	6055	50	Tokyo.
JOZ3	9595	50	Tokyo.
JOZ4	3925	10	Sapporo.
JOZ5	3945	10	Tokyo.
JOZ6	6115	10	Tokyo.
JOZ7	9760	10	Tokyo.

One EE prgm mentioned in the sked is "Tokyo
Forum 'Get-Together'" @ 1530-1615(Tue-Sun)
on the 1st prgm. Also, "Let's Learn Japanese"
@ 1045-1100(Mon-Fri) on the 1st prgm. &
2315-2330(Mon-Fri) on the 2nd.
Kana.

LEBANON, RL, to N America on 15285:
0130-0200 FF. 0200-0230 Arabic.
0230-0300 EE. 0300-0330 SS.
Donly.

LIBERIA, ELWA:
3227 @ 0610-0800 & 1805-2220 in 17 African
langs to Liberia.
4770 @ 0630-0900(Mon-Fri);0630-2300(Sat);
0655-2245(Sun);1555-2300(Mon-Fri) in EE
+ 13 W African langs to W Africa.
11830 @ 0625-0815(Sat);0625-0800(Sun);1340-
1700(Sun) in EE + 7 langs to W & C Africa.
11830 @ 0800-0930(Sun) in FF to W & C Africa.
11835 @ 2010-2115 in Arabic/Berber to N Af.
9550 @ 1210-1315(Mon-Fri);1210-1345(Sat-Sun)
in FF + 5 langs to W Africa.
6075 @ 1810-2000 in FF + 5 langs to W Africa.
11860 @ 1655-1800(Mon-Sat);1700-1800(Sun)
in FF to W Africa.
11945 @ 0625-0730 in Arabic/Berber to N Afr.
11860 @ 1800-2120 in EE + 7 langs to W & C
Africa.
ELWA says the sked is valid for about the
next year or so.
Rogers, Rzepka.

NETHERLANDS, RN, to November:

0230-0325 6165B,9590B to ECNA.
0530-0625 6165B,9715B to WCNA.
0700-0720 11720L,15235L,17695L to W Africa.
0730-0825 9715B,9770B to Aust/NZ/Pacific.
0830-0925 9715B to Australia.
0930-1020 5955L,6045L,7240L,9895L,11930L to Europe.
1330-1420 5955L,6020L,6045L,9895L,11930L to Europe.
1430-1525 17855M,21480M to S & E Asia.
1830-1920 6020M,11730M,17695L to C,E & S Africa.
2030-2120 11730M,11740M,15220L,17810B, 21640B to W & C Africa.
L-via Lopik (Holland);M=Madagascar;B=Bonaire.
Benjamin, Bower, Oakley, Zilmer.

NIGERIA, VON,

W Africa 0500-0600 7255. 0800-0900 7255.
1600-1700 7255. 1900-2030 7255.
N Africa & Overseas 0500-0630 15120,15185.
0900-1000 15120,15185. 1800-1900 15120,15185.
2100-2200 15120,15185.
C & S Africa 1800-1930 11770.
2030-2200 11770. Rzepka.

PHILIPPINES, R Veritas' schedule has changed from 15165 to 15220 @ 1300-1530, & are asking for reports. EE @ 1300, Sinhala 1330, Tamil 1400, 1430 Vietnamese. There is some QRM from R Moscow. Miller.

POLAND, RP brdcsts in EE/Polish to N America @ 0200-0400 on 6095,6135,7145,7270,9525, 11815,15120. Fallows.

ROMANIA, RB, effective 7 May:

0130-0230 5990,9570,9690,11735,11840,11940, 15380 to N America.
0400-0430 5990,9570,9690,11735,11840,11940, 15380 to N America.
0530-0600 11830,15250,17745 to Africa.
0645-0715 11940,15255,15340,17805 Pacific.
1200-1230 15345,17830 to Asia.
1300-1330 11940,15250,17850 Europe.
1500-1530 11940,15250,17805 Asia.
1730-1800 11790,15365,17720 Africa.
1930-2030 9690,11940 Europe.
2100-2130 7195,9690 Europe.
G. Holmes.

SPAIN, Spanish Foreign Radio, revised J-79

schedule: 0005-0155 9630,11880 C & N America.
0515-0616 9630,11880 C & N America.
2005-2200 9685,11840 Europe.
2105-2200 7275 Europe.
G. Holmes, Munster.

SWITZERLAND, SRI, to 3 November:

0145-0215 6135,9725,11715,15305,15130* to N & C America.
0430-0500 9725,11715,15305* to WCNA.
0700-0730 9560,11780,15305,21520 to SE Asia & Europe.
1100-1130 15430,17795,21520,21630 to Africa/ Europe.
1315-1345 15165,15305,17735,21520,21570, 21545* to E Asia/India/N America/Europe.
1815-1845 15125,17730,17830,21585 to Africa/ S America/Europe. Continued->>>>>>>>>>

SWITZERLAND, continued.

*=SSB(USB).
Dekeyser, Grenier, McCurdy, Stein, Yajko.

U.S.S.R., R Kiev

from April 19-
0030-0100 11735,15180,15405,15525,17870 to N America.
0300-0330 9655,11735,11920,15100,15180, 15405,17870 to N America.
2000-2030 6020,9560,11830 to Europe.
from August 1-
0030-0100 11735,12060,15180,15405,17870 to N America. Fraser.

R Vilnius brdcsts in EE @ 2230 on 665,1106, 1554,6100; @ 2300 on 7150,7215,9580,15100, 15240,17870. Oakley.

R Moscow,

N American Svce- 2300-0000
9530 Simferopol (til 7/31).
9600 Magadan (from 8/1).
11720 Nikolayev (til 7/31).
11750 Plovdiv, Bulgaria.
11770 Vinnitsa.
11780 Sofia, Bulgaria.
11960 Novosibirsk.
12030 Nikolayevsk.
12050 Khabarovsk.
15100 Khabarovsk (til 9/1).
15245 Nikolayevsk (til 9/1).
15275 Kenga (til 9/1).
17700 Petropavlovsk-Kamchatsky.
17765 Tula (from 9/2).
21565 Simferopol (from 9/2).
0000-0300
9530 Simferopol.
9600 Magadan (from 8/1).
9680 (from 0200) Simferopol (from 9/2).
9700 (from 0200) Sofia, Bulgaria.
11720 Nikolayevsk (til 7/31).
11750 Plovdiv, Bulgaria.
11770 Vinnitsa.
11780 Sofia, Bulgaria.
11960 Novosibirsk.
12030 (from 0100) Simferopol.
12050 Khabarovsk.
15100 Khabarovsk (til 9/1).
15245 Nikolayevsk (til 9/1).
15425 Petropavlovsk-Kamchatsky.
17705 Tallinn.
17765 Tula (from 9/2).
21565 Simferopol (from 9/2).
0300-0400
9530 Simferopol.
9600 Magadan (from 8/1).
9680 Moscow (from 9/2).
9700 Sofia, Bulgaria.
9710 (from 0330) Petropavlovsk-Kamchatsky.
11720 Nikolayev (from 9/2).
11750 Plovdiv, Bulgaria.
11770 Vinnitsa.
11960 Novosibirsk.
12030 Simferopol (til 9/1).
12050 Khabarovsk.
15100 Khabarovsk.
15425 Petropavlovsk-Kamchatsky.
17705 Tallinn.
17765 Tula.
More R Moscow on the next page

U.S.S.R., R Moscow, continued

Pacific Coast Svce- 0400-0500
9710 Petropavlovsk-Kamchatsky.
9730 Nikolayevsk (from 9/2).
11720 Khabarovsk (from 9/2).
12000 Simferopol (from 9/2).
12030 Nikolayevsk.
12050 Khabarovsk (til 9/1).
15100 Khabarovsk (til 9/1).
15180 Petropavlovsk-Kamchatsky.
15405 Khabarovsk (til 9/1).
15425 Petropavlovsk-Kamchatsky (til 9/1).
17765 Tula (from 9/2).

0500-0800
9710 Petropavlovsk-Kamchatsky.
9730 Nikolayevsk (from 9/2).
11720 Khabarovsk (from 9/2).
11750 (from 0600) Leningrad (from 9/2).
12000 Simferopol (from 9/2).
12030 Nikolayevsk.
12050 Khabarovsk.
15100 Khabarovsk (til 9/1).
15180 Petropavlovsk-Kamchatsky (til 9/1).
15405 Khabarovsk (til 9/1).
15425 Petropavlovsk-Kamchatsky (til 9/1).

McCurdy, UHN.
R Moscow Wrld Svce, Some freqs that are
audible in Eastern N America:
Late Evening- 9530 Moscow 0400-0700.
9795 Tbilisi 0400-0700. 11720 Lvov 0400-0700.
11735 Vinnitsa 0400-0700.
12060 Voronej 0400-0600.
15210 Armavir 0400-0700.
15480 Simferopol 0400-0500.
Morning- 9600 Havana 1000-1300.
11785 Sverdlovsk 1000-1100.
11820 Frunze 1000-1100 (QRM Ankara/DW).
15150 Minsk 1000-1300.
15265 Kenga 1000-1300.
15295 Voronej 1100-1300 (QRM MLA).
15375 Armavir 1000-1500.
15415 Nikolayevsk 1000-1400 (for Australia).
15500 Frunze 1000-1100.
17815 Simferopol 1000-1300.
17825 Frunze 1000-1200.
17830 Sverdlovsk 1130-1300 (1000-1130 German).
17845 Lvov 1100-1500.
17850 Alma Ata 1000-1100 (QRM Paris).
21740 Armavir 1030-1600.

Afternoon-
7390 Moscow 2200-2300.
9530 Moscow 2200-2300 (to N America).
11630 Moscow 2100-2300.
11750 Lvov 2200-2300 (to N America).
11770 Kiev 2200-2300 (to N America).
11805 Tbilisi 2130-2300 (2030-2130 French).
11840 Havana 1330-2200 (to N America).
11950 Kharkov 2100-2300 (QRM Nederland).
11960 Kenga 2000-2300.
12000 Tula 2000-2300.
12040 Armavir 2200-2300.
12055 Armavir 2100-2300.
15150 Minsk 1700-2100 (QRM DW 1900-2100).
15535 Alma Ata 1800-2300 (to Australia).

UHN.
To keep up with the U.S.S.R.'s freq. changes,
the USSR High Freq. Newsletter comes in quite
handy. The subscription rate is \$3 for 10
issues. Address: Roger Legge, Box 232, McLean,
Virginia 22101.
We end R Moscow at the first of the next column.

Still more U.S.S.R., RM, to S & SE Asia:

1400-1430 1500-1530
9745 Kenga 9745 Kenga
11785 Sverdlovsk 11835 Tashkent
11820 Frunze 11925 Chita
12050 Frunze 12050 Frunze
15385 Armavir 12075 Alma Ata
15150 Omsk
17745 Frunze
UHN.

U.S.A., WYFR, to 1 September:
0100-0500 5985 to Mexico.
1230-1551(Sun) 17785,21525 Europe/N Africa.
1700-1900 15110,15440,17845,21675 Eur/N Afr.
1800-2100 21525 W Africa.
1900-2000 17845,21675 Europe/N Africa.
2000-2300 11805,17845 Europe/N Africa.
Bower.

VATICAN CITY, VR, good thru 1979:
0100 6015,9605,11845 USA/Canada.
1115(Weekdays) 17840,21485 E Africa.
0100 7250,9645 Europe.
1200(Weekdays) 17840,17900,21485 C & SW Africa.
1445 6190,7250,9645,11740 C & W Europe.
1515(Weekdays) 11810,15120,17825 India/SE Asia.
1700 11830,15120,17900 E Africa.
2030 6190,7250,9645 C & W Europe.
2045 9625,11705,15120 C & S Africa.
2115 9625,11705,15120 W Africa.
2210 9615,11705,15120 SE Asia/Aust/NZ.
Bower.

VIETNAM, VOV, no date:
0900-0930 25,31,41 mb. 1000-1030 25,31,41 mb.
1530-1630 25,31,41 mb. 1800-1900 19,31 mb.
2030-2130 19,31 mb.
French- 0100-0200 25,31,41 mb.
1300-1400 25,31,41 mb. 1900-2000 19,31 mb.
2000-2030 19,31 mb.
Spanish- 0200-0230 25,31,41 mb.
1100-1130 31,41 mb.
Japanese 1200-1300 25,31 mb.
1430-1530 25,31 mb. 2200-2300 25,31 mb.
Freqs: 19 mb-15012, 14990. 25 mb-12035.
31 mb-10040. 41 mb 7470.

Rzepka.
+++++
The following item is from the BBC Monitoring
Service, and is used by permission.....
R Korea (S KOREA) now has the following EE
prgms: 0230-0300 7275,9640,15350 L America.
0430-0500 9525,9640,9755,15345,17740 N Amer.
0730-0800 7275,9640,11810,15350,15570 Europe.
0930-1000 956 Korea.
1000-1030 9580,11725 L America.
1100-1130 558,602 Korea.
1130-1200 9525 SE Asia.
1400-1430 9870,11665,12090 Europe.
1600-1630 6480,9720,9870,11830 N Am/M East.
1800-1830 11830,15255 N America.
2000-2030 7550,9870,11525,15570 Africa/Eur.
2030-2100 756 Korea.
2300-2300 7275,7550,15345,15385,15570
N America/Europe.

+++++
Just enough room here at the end to say THANKS
to all of you who contributed, and a big
Happy Birthday to SPEEDX! Hope to have seen
some of you at ANARC, and to all of you,
Ola

Editor:

KEN COMPTON
7 Mount Vernon Street
Brighton, MA 02135

Deadline: 12th

UTILITY REPORT



DX OUTING: AT KAP KAPINOS' HOME, SHREWSBURY, MA JULY 22 10:00 AM
Many of New England's top DXers will be present. There will be a SWAP-ATHON and a SALE TABLE for all those who have something to swap or sell. For food, there are 3 options: 1 Bring your own. 2 \$2 donation for what's there. 3 A pizza shop, a sub shop, & other eating places are within walking distance. Your friendly SPEEDX ute ed. plans to be there! All SWLs & DXers are invited and will be made to feel welcome, indeed! If you are interested in attending, contact either: Kap Kapinos 86 S. Quinsigamond Ave. Shrewsbury, MA 01545 or Bob Wirrell 85 Stillman Ave. Brockton, MA 02402, so it'll be know how many to expect. A HAP Auction will be held in addition to the other features. COME ONE, COME ALL!

AIR FORCE EASTERN TEST RANGE VOICE CALLS: The AFETR tracking stations are assigned NUMBERS for use as QTH indicators in voice calls as follows:
Merritt Island, FL (NASA launch facility) ZERO
Patrick AFB, FL/Cape Canaveral, FL ONE

Jupiter, FL	TWO	Ascension Island	TWELVE
Grand Bahama Island	THREE	Pretoria, S. Af. (Inactive?)	THIRTEEN
Klauthera, Bahamas	FOUR	Antigua	NINETY-ONE
Grand Turk Island, BWI	SEVEN		

Call sign prefixes may vary but the number is the definite QTH indicator. A call sign for Grand Bahama, for example, could be SEAGREEN 3, or FIGIRON 3, or COPPER 3, depending on the service. The SEAGREEN 1 logging on 10198a (May TACTICALs) was a service of NASA, Cape Canaveral (or Patrick AFB), therefore, working Grand Turk, Ascension & Antigua. (EMIL KASPRZYK-TX)

SCOTTISH COASTAL STATIONS: Although in the current SUG they're all listed under Great Britain, notes STEPHEN PROOM-ENGLAND, the Wick, Oban, Portpatrick, and Stonehaven stations are all in Scotland and the Anglesey station is in Wales.

VISIT TO THE U.S. COAST GUARD 11th District Rescue Coordination Center Radio, at 400 Oceangate, Long Beach, CA 90822. Although the RCC uses voice radio to only a small extent because most traffic for the district is handled by ~~NAV~~ at Point Vicente (note: not ~~Vincente~~-Ed.), it is equipped with VHF marine transceivers and one HF transceiver channelized for 2103.5/2182/2638/2670/2694/3382/5692/5696/8980 khz. The RCC is manned 24 hours a day by an officer controller and an enlisted assistant controller. Week-ends the staff is augmented by USCG Auxiliary personnel. While Chris Devendorf-CA and Jerry Short-CA were visiting the Center they were given copies of "Southern California Marine Communications" and the "Merchant Ship Search and Rescue Manual". (CHRIS DEVENDORF-CA)

A NUMBERS STATION QTH: Robert B. Grove, a radio communications consultant and the editor of the original Confidential Frequency List has contacted SPEEDX with some very interesting news about the YL SS 5-digit # stations on 3060 & 3090 (UTE REPORTED the past few months by Greg Watts, Jerry Ireland and others). Mr. Grove told SPEEDX Pres. Don Johnson by both phone & mail that about 2 years ago while resident in Ft. Lauderdale, FL he had a firm fix established on these xmsns by the FCC & Naval Security RDF at Homestead AFB which pinpointed the source in Havana, Cuba. The two freqs are used by the same xmtr with 3090 coming on, with the same signal strength, when 3090 goes off.

UNID'S ID'D: DHJ, NATO, Wilhelmshaven, FRG is the source of the V on 16265 in the May Unidentifieds according to ROD ALEXANDER-IA and RICK MATTHEW-BG. Rod and Rick also agree that in the June issue UBF2 hrd on 12856a is Leningrad R. USSR on 12855 and that UAE CQ mkr on 22510a is probably UAT, Moscow R. on 22512. And Rick Matthew has some more: UJY 13060a is Kaliningrad R. 13054, and in an earlier issue: DTD36 8905a is Diplomatic, Berlin; JJF 12950a is Defense Agency, Tokyo on 12948, MLO on

6760 is the RAF, Grimsby, England; and 23002a "WOO" should be WEN33, ITT, Manahawkin, NJ--"WCC is a coastal sta & doesn't work the fixed bands."

NEW ENGLAND AREA DXERS OUTING: Sam Barto, New England Area DXers Outing Coordinator has announced that this year's outing will be Sept. 9 at Black Rock State Park, Watertown, CT. For detailed info about the NEADXXO and related activities, send an SASE to: Sam Barto NEADXXO Co-ordinator 245 Cherry Avenue J-11 Watertown, CT 06795.

Z-SIGNAL LIST (Continued) A consolidation of lists contributed by JIM BOEHM-TX, RICHARD SLOVER-TN, JOOST DENISSEN-HOLLAND, & WERNER MUSTERLE -FRG, including U.S. Army & Navy, NATO, European Military, & U.S. commercial.

ZRK	Reversed keying	ZSI/x	Please furnish signal intensity
ZRL	Rerun slip before one now running	ZSM/x	Microvolt input to rcvr is _____
ZRN	Remove modulation from _____	ZSN	Give SINPO report on _____
*ZRM	I receive (USB LSB 's)	ZSO	Transmit slips once
ZRN	ROUGH NOTE	ZSR	Your signals strong & readable
ZRO	Are you receiving OK?	ZSS	Send slower
ZRR	Run reversals	ZST	Transmit slips twice
ZRS	Rerun msg # _____	ZSU	Your slips are unreadable
ZRT	Revert to Traffic	ZSV	Your speed varying
ZRY	Run test slip, please	ZTA	Transmit by auto.
ZSF	SEND FASTER	ZTH	Transmit by hand
ZSH	STATIC HEAVY HERE	ZTI	Transmission temporarily interrupted
*U.S. military usage		NEXT MONTH:	ZUA through ZZH

QSLS

All freqs in kilohertz

ANTARCTICA: NZCM Williams Field 8997 PFC in 20d air for ms (Hopkins-PA)
AUSTRALIA: VIS AOC Sydney 13193 f/d flag cd + ltr IRCs rtnd 67d(GeorgeTX)
BAHRAIN: A9M C&W 3448 C&W map cd + PFC 20d for IRC VS: Engr Sitra(Hopkins)
BARBADOS: SPO C&WWI 8449.3 f/d map fldr cd in 50d air for 2 IRCs(Vranes-PA)
BERMUDA: VRT C&W Hamilton 6487 C&W map cd 131d for IRC (Hopkins-PA)
CANADA: CHU Ottawa 3330 date/freq photo cd 15d for no RP (Moran-PA)
VCA Charlottetown CG R. 2182 PFC in 2w for SASE. 1000w. (Moore-PA)
VCN Grindstone QUE CG R. 2182 PFC in 17d for SASE. 1kw. (Moore-PA)
VFN Montreal CG R. 2182 PFC in 22d for SASE. 1kw. (Moore-PA)
VAU Yarmouth NS CG R. 2582 PFC in 10d for SASE. 1kw. (Moore-PA)
VAI Vancouver CG R. 12876 PFC in 15d for ms. 1kw. (Granone-NM) ADDRESS:
STATION OPERATIONS SUPERVISOR Canadian Coast Guard-Western - VAI
Vancouver Coast Guard Radio 109, 4611 Cowley Crescent Richmond, BC
VAI Vancouver CG R. 12876 date only ltr 25d for no rp (Moran-PA) /f
CAPE VERDE IS.: D4A S. Vicente R. ??? PFC 50d air IRC(Hopkins-PA)Freq, Jeff
CONGO: Brazzaville VOLMET 6617 no data form ltr 54d (Hopkins-PA)
CUBA: AAC&R Guantanamo 13765 b&w map cd 23d for IRC (Hopkins-PA)
Guantanamo Bay Port Control USN 2182 PFC in 15d for ms(rtnd)(Brick-TX)
CZECHOSLOVAKIA:OLBS Prague Astro Inst 3170 f/d Obs cd 15d IRC(Saylor-PA)
ECUADOR: HD210A INOCAR Guayaquil 3810 date-freq only sundial cd in 39d air for 2 IRCs & SS rpt (Latteman-WA) same in 41d(Scott-OK)7600 26d(Hopkins-PA)
FRANCE: HWN Navy HQ Paris ????? No data Thank You ltr 75d IRC FF rpt(Proom)
GIBRALTAR: 8625.235(!) GYU BRN PFC & mimeo ltr 41d for IRC (Hopkins-PA)
GYU British Admiralty R. 4221 form ltr, f/d+Rock pic 85d IRC(Holbrook-MD)
HAWAII:wwvh 15000 Aloha cd in 8d (Moore-PA)
HOLLAND: PCH61 PTT Scheveningen R. 17007.2 f/d cd in 1 d for IRC(Hopkins)
ITALY: IBF I.E.N. Torino 5000 f/d ckd cd in 3m for IRCs (Saylor-PA)
PORTUGAL: NATO Oelras 8552 PFC in 92d for IRC. 1kw. (Holbrook-MD)
SUDAN: STK Khartoum 11509 RTTY. PFC in 23d for IRC (French-MD) ADDRESS:
Civil Aviation P.O. Box 430 Khartoum SUDAN
SURINAM: PZN3 LTT Paramaribo 8652.5 f/d color fldr cd 221d IRC(Forsman-CA)
TRINIDAD: 9YC Piarco Aeradio 8847 PFC+f/d ltr 26d 2 IRCs (Hopkins-PA)
U.S.A.: NOI USCGAS Detroit 5692 PFC in 11d + 3 fldrs for ms (Brick-TX) 8459
NMF USCG Boston R. f/d cd + info sheet 25d for IRC(rtnd) (Proom-EM3)
WSL ITT Amagansett R. f/d cd in 8d for ms 12660 khz 10kw(Granone-NM)
NMF USCG Boston R. 12793 f/d cd & pamphlet 8d for ms 10kw (Granone-NM)
KOK ITT Los Angeles R. 12993 PFC in 10d for ms. 10kw (Granone-NM)
KLC ITT Galveston R. 13038 f/d typed cd in 9d for ms (Granone-NM)
NMA NMA USCG Miami 13081(RTTY) f/d r/w/b cd 46d for ms(2) (Ewing-IL)
13158 red, white & blue cd in 23d for no rp. 5kw. (McNally-CA)
WNU TRT Slidell R. 16861.7 f/d color cd in 24d for ms. (Granone-NM)
WCC RCA Cnatham MA R. 16972 f/d ltr in 8d for no rp (Moran-PA) 22518
same in 110d for 1 IRC (returned), by surface mail (Proom-ENGLAND)
VENEZUELA: YVTO Observatorio Naval Caracas 6100 f/d form letter & card in 50d air for IRC. 1kw (Holbrook-MD) same(Hopkins-NY)same, 48d (Scott-OK)
SHIPS: NJFJ USCGC Reliance 4081 PFC in 9d for ms. 500w (Granone-NM)

SHIPS: KNBD NOAA Ship DELAWARE II #445 PFC<r 24d for ms(Brick-TX) ADDRESS
 U.S. Dept. of Commerce NOAA National Ocean Survey Northeast Marine
 Support Facility Woods Hole, MA (Whoops, FREQ: 4134.3/6200 Sorry!-Ed.)
 NRTF CGC Active 4400 PFC in 17d for ms (Brick-TX)
 NOWK CGC Dependable 5696 PFC<r 13d ms VS: RM1 Michael Dyer(Brick-TX)
 NNUW USCGC Durable 5696 PFC+folder in 42d for ms (Brick-TX) ADDRESS:
 Star Route Box 1 Brownsville, TX 78351
 NJMR USS Tacoma(FPO NY 09501) 6200 PFC in 9d for ms (Brick-TX)
 NODU USCGC Sedge 6506.4 PFC in 10d for ms (Brick-TX) ADDRESS: P.O. Box
 101 Homer, AK 99603
 NRPY USCGC Planetree 6506.4 PFC & photo in 24d for ms (Brick-TX)
 NRJ0 USCGC Polar Sea 6506.4/13113.2 PFC, photo & note 30d for no RP
 (Brick-TX) ADDRESS: FPO Seattle, WA 98799

From: Chief Radio Supervisor W.R. Downey, Royal Navy

Operation Office
 COFFEN WHITEHALL
 Old Admiralty Building
 Whitehall
 London SW1A 2BE

Mikio Kusuyama
 U-1 2-Chome 1-San
 Atsuta-ku Nagoya
 Aichi 456 JAPAN

12th April 1979

RECEPTION VERIFICATION

Thankyou for your letter dated 3rd April 1979.

I am pleased to be able to verify your reception report
 of the Royal Naval Wireless Station at Whitehall London
 as follows:

Station/Callsign	...	Whitehall/GYA
Exact Frequency	...	12740.235 KHz
Power Output	...	6 to 7 Kw
Date	...	2nd April 1979
Time	...	0748z - 0802z
Type of Aerial	...	OMNI



W.R. DOWNEY
 CRS Operations
 COFFEN WHITEHALL

When sending xerox copies
 of your QSLs (which are most
 welcome at the Ute Report!)
 please also include all the
 pertinent data--including
 time taken to receive it, RP
 sent, etc., so it can be
 included here.

Also, to prevent con-
 fusion here, please put your
 name & QTH lightly in pencil
 on the back of each
 photocopy, to insure proper
 credit.

GUNN Gunard Princess cruise ship 8207.4 ltr+ship pc 52d IRC(Holbrook)
 SS Adventurer WQ8011 cargo 8291.1 PFC in 5d for ms 1kw (Granone-NM)
 GXSX Ulster Star freighter ltr in 34d for IRC QTH:358-117E(Holbrook-MD)
 CBQV yacht "Liberator" 20N-108W 12330 PFC in 18d for ms 150w(Granone)
 SS "Royal Viking" 12330 QTH:Bering Sea PFC in 22d for ms 150w(Granone)
 KCSA SS Inger 12431 17.40N-102.22W PFC in 31d for ms. 1kw.(Granone-NM)
 SS Glory-Glory WYZ6206 12431 off La Paz Baja Mex. PFC 18d ms(Granone-NM)
 WODA SS Overseas Natalie cargo in MS R. 12432.2 PFC 24d ms 400w(Granone)
 5NBN MV "River Niger" @ Las Palmas 16463.1 PFC 83d air IRC(A.Mason-ONT)
 WNGU MV Glomar Challenger deepsea drillship QTH:Confidential 16463.4
 Ltr & Official Ship Photo QSL Card in 41d for ms. 1000w. (A. Mason-ONT)
 RV Zolana H07251 108' ketch PFC+ltr in 98d for IRC+EE rpt 400w(A.Mason)
 GRHN "Spraynes" bulk carrier 16727 PFC in 32d for IRC. 1.5kw(Holbrook)
 5LPM Esso Tokyo super crude carrier 22012.4 PFC 67d IRC(rtd)(A. Mason)
 GOSH London Pride U.L.C.C. 22015.5 PFC+ltr-photos 60d air IRC(A. Mason)
 GUKX MV Venetia big bulk carrier 22015.5 PFC+ltr 39d air IRC(A. Mason)
 GOWR Esso Caledonia VLCC 22034.1 PFC 62d air for ms 1200w(A.Mason-ONT)
 KIRP SS Austral Endurance container 22232 PFC 28d air ms. 1kw.(A.Mason)
 SKWT MV Malmros Monsoun container 22234 PFC+photo 34d IRC(rtd)(A.Mason)
 GVSX SS Oriana liner 22235.3 Bermuda PFC&color pic 21d IRC (A.Mason-ONT)
 OUPF Anna Johanne cargo 22242 PFC 04.43N-06.02W in 51d 1kw (Holbrook-MD)
 GOVL SS Act 4 containership 22267 PFC<r 66d IRC(rtd) 1200w(A. Mason)

ATAD MV Jagat Neta bulkcarrier 22295 PFC<r in 52d air IRC (A.Mason-ONT)
 GSHF Meynell bulkcarrier 22270.5 Ltr&photo 35d IRC (rtrnd) 1.4kw (Holbrook)
 AIRCRAFT: Navy RP07 4746 PFC¬e in 9d for ms (Brick-TX) 5692 khz
 CG#1378, 1486, 1489 PFCa in 5to10d for ms. 5692 khz (Brick-TX)
 CG#1479 (out of Otis AFB MA) 5696 PFC 19d ms. Wants more rpts (Brick-TX)
 CG#1487, 5788 PFCa in 7 & 15d, f/d, for ms (Brick-TX) 5696 khz
 GBDXF Speedbird 50 QTH: over Abm Karima 8959 Ltr 21d IRC 100w (Holbrook)
 Air Force One 8997 no-data personal ltr in 6m for ms (Oliver-MA)



Aboard the Spirit of '76

Wayne L. Oliver
 1 Germain Avenue
 Bradford, MA 01830

15 May 1979

Wayne:

My most humble apologies for not answering your letter promptly. Your letter was routed through the Military Aides Office at the White House and was only sent to me about 1 month ago. However I was absent most of that time. I spent some time in China (my 11th trip there) and then into Hong Kong to do my '79 Christmas shopping. All last week was spent in Huntsville, Alabama for a conference with the SCI Sys., Inc of which I have selected to purchase a new state of the art teletype machine to place on all of the aircraft here at Andrews AFB. The machine will have 25K memory, CRT, prints 2,000 characters per second, etc. Probably no delivery until about this time next year. Our radios are the URG-1 Collins Radio Group. 2 to 30 MHz, independant side band, Upper, Lower & Diversity. I installed Telephone to Radio Relay, and also Radio to Radio Relay, can conference any number of calls within or out of the aircraft. We have 3 Inertial Guidance systems, GPWS, (Ground Proximity Warning System), many FM (VHF/UHF) radios too numerous for listing here. 1,000 Watt Multiplex world wide, flash over-ride, dialing capabilities, SatCom over most of the world.

I am not allowed to deny or confirm frequencies, but am pleased that your letter finally filtered down to me. I took this opportunity to reply as I'll be leaving this Saturday for Paris, will be back only one day when I leave again for China and will be checking out the Mystic Star and SatCom systems before the President's oversea's mission later this summer. If you'd like to chat on the telephone sometime, please feel free to call me.

Sincerely,

Earl E. Van Valkenberg
 Earl E. Van Valkenberg
 Chief Master Sergeant USAF
 Chief Communicator Air Force One

AF Rescue 60213 11182khz PFC+ltr f/d in 17d for ms VS:M/Sgt Carl E. Berg
 ADDRESS: 1551 Flying Training Squadron Kirtland AFB, NM U.S.A. (Russell)
 MAC70005 11182 f/d PFC + ltr & 14th MAS data/history in 8d ms VS: 2nd LT
 Jeanette Minick Admin Officer (Russell-IL) ADDRESS: 14th MAS Norton AFB CA

All times GMT

LOGGINGS

All freqs in kilohertz

ALASKA: 15020	0124	AKA Elmendorf AFB OM EE wkg MAC60160 USB (Chabak-AZ)
CANADA: 2318	0528	VAI Vancouver CG R. NotMar OM EE USB (Chinakos-WA)
3330	0041	CHU Ottawa OM FF/EE time sigs AM (Moran-PA)

5097	0530	CFH RCN Ellerhouse NS NAVS V mkr CW (Ledlow-NY)
5652	0655	VFG Gander VOLMET CM EE aero wx AM(Peggy Thompson-CA)
6753	0438	CHR Trenton Military OM EE aero wx USB (Moran-PA)0634 (Kerrigan-IL)
6946	0446	CKN Vancouver Military V mkr CW (Moran-PA)
8697	0400	CFH RCN Ellerhouse NS V mkr CW (Granone-IL)
8868	0655	VFG Gander VOLMET OM EE aero wx AM (Thompson-CA)
12702	0333	CKN Vancouver Mil V mkr, ZKR CW (Granone-NM)
12874	2102	VCS DOT Halifax R. NS ID mkr CW (Moran-PA)
12876	0225	VAI DOT Vancouver V mkr CW (Moran-PA)1925(Granone-NM)
15035	1520	VXA Edmonton Mil OM EE aero wx 1525* USB (Brown-IL)
	1533	CHR Trenton Mil OM EE aero wx USB (Scott-OK)
	2120	VXA Edmonton Mil OM EE aero wx USB (Lucas-CA)
15984a	1338	CKN Vancouver Mil C13E V mkr CW (McNally-CA)
GREENLAND:8967	0612	XPH USAF Thule OM EE wkg Norwegian AF 5992 USB(Chabak)
MEXICO:12775	2322	XFU D.G.T. Vera Cruz de Veracruz R. CQ mkr CW(Moran)
U.S.A.:2522	0406	XPS3 PetMex Tampico Tamaulipas CQ mkr CW(Fitzgerald)
	0126	WOX NY Marine Op YL EE NotMar USB (Mellinger-NJ)
	0140	WAQ ATT Marine Op Oceaangate NJ NotMar USB(Mellinger)
	0609	KSF70 Oakland VOLMET OM EE aero wx AM (Thompson-CA)
	0730	KVM70 Honolulu VOLMET OM EE aero wx AM (Thompson-CA)
	0613	WSY70 NY VOLMET OM EE aero wx AM (Thompson-CA)
	2345	WNU TRF Slidell R. LA CQ mkr CW (Morrison-NC)
	0133	WMI Lorain R. OH YL EE Great Lakes wx USB (Stock-NY)
	0433	WOO ATT Oceaangate R. NJ OM wkg "Rotterdam"(Fitzgerald)
	0647	WSY70 NY Aeradio CM EE clg Taiwan 941 AM(Thompson-CA)
	0612	WSY70 NY VOLMET OM aero wx AM(Brown-IL) (Thompson-CA)
	0100	AFH15 Travis AFB CA OM wkg USAF 799 USB(Coleman-MA)
	0130	NMA USCG Miami OM EE wkg CG#1481 USB (Coleman-MA)
	1404	NMN USCG Portsmouth VA OM EE clg CG#1487 USB(Stock-NY)
	0526	WNU TRF Slidell R. LA CQ mkr CW (Moran-PA)
	0539	WOE RCA Lantana R. FL V mkr CW (Moran-PA)
	1056	NMA USCG Miami CM EE wkg US3C "Salvia" USB(Alexander)
	1057	NMF USCG Boston CM wkg CGC "Unimak" USB (Alexander-IA)
	1827	AFA Andrews AFB MD OM EE wkg SAM 12490 USB(Stock-NY)
	0220	KKN50 State Dept Intell Svc DC QRA mkr CW(Granone-IL) 0544 (Moran-PA) 0651 (Ledlow-NY)
7540a	0345	AGA3 USAF Honolulu OM EE clg BEERCAN SSB (Ledlow-NY)
8281.2	1809	WFE Jacksonville FL tug control wkg Vigilant(Fitzgerald)
8632	2035	WCC RCA Chatham R. MA V mkr CW (Morrison-NC)
8658	0550	WSL ITT Amagansett R. NY V mkr CW (Proom-ENGLAND)
8740.6	0502	WOO Oceaangate R. NJ OM EE Roll Call USB(Lani Pettit)
8746.8	0019	WOM ATT Pennsuco R. FL YL EE wkg "Peapod" USB(Stock)
8765.4	0539	NMN USCG Portsmouth VA OM EE tfc USB(Lani Pettit-IA)
8868	????	WSY70 NY VOLMET OM EE aero wx AM(Brown-IL)Time, Natel
8903	0627	KIS70 Honolulu VOLMET OM EE aero wx AM (Ledlow-NY)
8993	0150	ORION COORDINATION Cape Canaveral FL OM EE wkg Sweat 31 acft USB (Russell-IL)
	0211	AFEB MacDill AFB FL OM EE wkg Navy JH51, Widow 34, & "Albert" USB (Fitzgerald-RI)
8728.2	0648	KMI ATT Dixon R. CA OM EE ship-shore R/T(Thompson-CA)
10454	0725	VOA EE feeder Greenville NC USB (Thompson-CA)
10493	2024	KPA66 DCPA Denver CO OM EE wkg KNC77 USB(Devendorf-CA)
10870	0732	VOA Greenville NC AA feeder to Munich USB(Thompson-CA)
12839	0510	WPA RCA Port Arthur R. TX V mkr CW(Proom-E)(Granone)
12993	0237	KOK ITT Los Angeles R. V mkr CW(Moran-PA)1740(Granone)
12970.5	0640	WOE RCA Lantana R. FL V mkr CW (Dawson-CA)
13002	0242	KPH RCA San Francisco ID mkr CW (Moran-PA)
13024.5	2348	WSL ITT Amagansett R. NY V mkr CW (Dawson-CA)
13038	0115	KLC ITT Galveston R. TX CQ mkr CW (Granone-NM)
13100.8	0305	KMI ATT Dixon R. CA OM clg "Golden Hind" "Oceanographer" & "Sea Lion" USB (Stone-ONTARIO)
13201	1846	AFL Loring AFB ME patching _____ to FORMAT USB(Stock)
15015	2215	AFL Loring AFB patching MAC120126 to McGuire(Lucas-CA)
	2331	AFG37 Scott AFB IL OM EE wkg MAC50250 USB (Stock-NY)
16972	0120	WCC RCA Chatham R. MA V mkr CW (Moran-PA)
17007.5	2220	KLE ITT Seattle R. WA CQ mkr CW (Granone-NM)
17016.8	2235	KPH RCA San Francisco R. ID mkr CW (Granone-NM)
17026	0137	KFS San Francisco ITT R. CQ mkr, tfc CW (Moran-PA)
17064.8	1550	KOK ITT Los Angeles R. CQ mkr CW (Coleman-MA)
20125	1710	VOA Greenville NC II feeder to Munich USB(Dawson-CA)
22515	2025	KFS ITT San Francisco R. CQ mkr CW (Coleman-MA)



CARIBBEAN

BAHAMAS:7530 0110 NMA4 USCG Loran San Salvador OM EE wkg Jupiter Loran
 USB (Chabak-AZ)
 BARBADOS:12709 0235 8PO C&WI St. Philip ID mkr CW (Granone-NM)
 CUBA: 6337 0449 CLA EMRAIN Havana R. CQ mkr CW (Moran-PA)
 8690 0525 CLQ Navy Havana R. CQ mkr CW (Howell-CA)
 8702 0310 CLA22 EMRAIN Havana R. CQ mkr CW (Alexander-IA)
 17165.6 1540 CLA EMRAIN Havana R. CQ mkr CW (Coleman-MA)
 CURAÇAO:6491.5 0245 PJC GRTA Willemstad CQ mkr CW (Granone-NM)
 MARTINIQUE:22311a 2021 FUF French Naval R. Fort de France V mkr CW (Dawson)
 PUERTO RICO:12700 0250 NMR USCG San Juan CQ mkr CW (Granone-NM)

CENTRAL AMERICA

COSTA RICA:13100 0100 TIM R.C. Limón R. Vmkr CW (Moran-PA)(Coleman-MA)
 PANAMA CZ:4222 0240 NBA USN Balboa tfc list CW (Howell-CA)0315(Coleman-MA)

SOUTH AMERICA

ARGENTINA:8457 0227 LSA E.L.M.A. Boca R. V mkr CW (Walters-NJ)
 8646 0333 LPD86 ENCOTEL Gen. Pacheco R. V mkr CW(Alexander-IA)
 12709 0520 LSA E.L.M.A. Boca R. V mkr CW (Proom-ENGLAND)
 17045.6 0416 LPD46 ENCOTEL Gen. Pacheco R. V mkr CW(Fitzgerald-RI)
 BRAZIL:11195a 2325 Sao Paulo Military Aeradio OM wkg Belém USB(Russell)
 12753 0555 PWZ USN Rio V mkr CW (Proom-ENGLAND)
 14500 0051 PPR48 EMBRATEL Rio OM PP/EE vm SSB (Stone-ONTARIO)
 16918 1950 PPJ EMBRATEL Junçao R. V mkr CW (Proom-ENGLAND)
 CHILE: 6480 0250 CCS Navy Santiago V mkr CW (Dawson-CA)
 13147a 1138 CCS Navy Santiago V mkr CW (Boehm-TX)
 15771.5 0232 CCS Navy Santiago V mkr CW (Moran-PA)
 COLOMBIA:12653.5 0646 HKC ENTEL Buenaventura Valle R. ID QSX mkr CW(Ledlow)
 12852.5 0844 HKC ENTEL Buenaventura R. ID mkr CW (Boehm-TX)
 13087.5 2132 HKB ENTEL Baraquilla R. CQ mkr CW (Moran-PA)(Granone)
 ECUADOR:3810 0619 HD210A INOCAR Guayaquil OM SS time sigs AM(Thompson-C)
 7600 0429 HD210A INOCAR Guayaquil OM SS time sigs AM(Scott-OK)
 URUGUAY:20385 2143 CXC20 U.S. M1 Group Montevideo OM wkg AHF4 (Russell)
 VENEZUELA:6100 0550 YVTO Observatorio Cagigal Caracas time tick(Thompson-
 CA) OM SS time sigs AM (Morrison-NC)

EUROPE

BELGIUM:8652 0212 OST42 RTT Ostend V mkr CW (Walters-NJ)(Alexander-IA)
 BULGARIA:12840 0535 LZW MinCom Varna R. ID mkr CW (Proom-ENGLAND) LZW5
 2210 (Alexander-IA)
 CZECHOSLOVAKIA:3170 0250 OLB5 Astro Inst Prague time tick CW (Saylor-PA)
 DENMARK:12327.5 0153 OVG8 Frederikshavn Flåde R. V mkr CW (Moran-PA) 0540
 (Pettit-IA)
 ENGLAND:2182 2109 Shoreham CG R. OM EE clg "Southern Maid" SSB(Proom)
 4310 0545 MTI Royal Navy Plymouth ID mkr CW (Proom-ENGLAND)
 4725a 0530 MVU RAF West Drayton OM EE aero wx USB (Proom-ENG)
 8705.5 0311 GKE4 BPO Portishead R. ID mkr CW (Alexander-IA)
 8973a 0306 GLD BPO Land's End R. OM wkg "Angel Plane"(Fitzgerald)
 9025 0100 MKL RAF Tynemouthtfc CW (Alexander-IA)
 10093 0320 BOAC London LDOC OM EE wkg Speedbird 252(Fitzgerald)
 11179.8 0201 MKL RAF Tynemouth, Northumberland V mkr CW(Alexander)
 11215 0345 BBC Daventry AA feeder SSB (Saylor-PA)
 13019.8 2230 GKC Portishead R. ID mkr CW (Granone-NM)(Dawson-CA)
 11234 0624 MQP RAF Upavon OM EE wkg Ascot 4492 USB (Chabak-AZ)
 22933 1805 BBC feeder EE Daventry to Malaysia USB (Stein-NJ)
 FINLAND:8547 0246 OFJ A.P.T. Helsinki R. CQ mkr CW (Walters-NJ)
 16923 1645 OFJ A.P.T. Helsinki R. ID QSX mkr CW (Coleman-MA)
 FRANCE: 4232 0347 HWN Naval HQ Paris V mkr CW (Moran-PA)
 8453 0222 HWN Naval HQ Paris V mkr CW (Ledlow-NY)
 8510 0215 FFL5 PTT S. Lys R. CQ mkr CW (Ledlow-NY)
 8666 0455 FUG Navy La Regine R. V mkr CW (Proom-ENGLAND)
 8808.8 0220 FFL41 PTT S. Lys R. OM FF tfc USB (Walters-NJ)
 13236 0200 HWN Naval HQ Paris V mkr CW (Coleman-MA)
 15605 2015 FTP60 FTS Paris OM FF/EE vm USB (Alexander-IA)
 17180 1615 HWN French Naval HQ Paris V mkr CW (Alexander-IA)
 17316.6 2203 DFLS1 S. Lys R. Concertina mx/OM FF vm USB(Fitzgerald)
 GERMANY, E.:8584 0206 DHS M.P.F. Rügen R. V mkr CW (Walters-NJ)
 GERMANY, W.:5427 0403 KRH50 U.S. Embassy Bonn QRA mkr ev 5' CW (Moran-PA)
 8483.5 0458 DAN PTZ Norddeich R. ID QSX mkr CW (Howell-CA)
 15048 2116 AEA USAF Pirmasens OM EE wkg 61M acft (War Games) USB
 (Russell-IL)
 16265 0235 DHJ59 NATO Wilhelmshaven G238 V mkr CW(Fitzgerald-RI)
 16980.4 2220 DAM PTZ Norddeich R. V mkr CW (Granone-NM)
 17445 2030 R. Free Europe unkn lang feeder to Lisbon(Alexander)
 GIBRALTAR:12828 0515 GYU Royal Navy ID mkr CW (Proom-ENGLAND)2328(Moran-PA)

GREECE:23425	1800	AFRTS Athens EE feeder USB (Conway-MALAWI)
HOLLAND:4229a	0525	PBC Royal Dutch Navy Goeree R. V mkr CW (Proom-ENG)
	8562	PCH2 PTT Scheveningen R. CQ mkr CW (Walters-NJ)
	8952	PBW KLM Amsterdam LDOC wkg KLM 692 USB(Fitzgerald-RI)
ICELAND:5820	0550	NRK USN Grindjavik V-CQ mkr CW (Ledlow-NY)
IRELAND:8833	0037	EIP Shannon VOLMET OM EE aero wx AM (Duran-NJ)
	13069.5	TFA PTT Reykjavik CQ mkr CW (Moran-PA)
	25589	NRK USN Grindjavik NUKO V marker CW (Boehm-TX)
ITALY: 12748	2025	IRM Rome Medical R. V mkr CW (Proom-ENGLAND)
	12975	IQX I.P.T. Trieste V mkr CW (Proom-ENGLAND)
	12978	ICB I.P.T. Genoa R. V mkr CW (Moran-PA)
	13015.5	IAR3 I.P.T. Rome R. V mkr CW (Alexander-IA)
NORWAY:12961.5	1002	LFI N.T.A. Rogaland R. multicall mkr CW (Boehm-TX)
POLAND: 8557	0202	SPB PTT Szczecin R. CQ mkr CW (Walters-NJ)
PORTUGAL:4292	0341	CUL4 CPRM Lisbon R. CQ mkr CW (Alexander-IA)
	12825	GTP NATO Oeiras V mkr CW (Proom-ENGLAND)
SPAIN: 4349	0333	EAD CTNE Aranjue, R. CQ mkr CW (Alexander-IA)
	6382	EAD2 CTNE Aranjuez R. CQ mkr CW (Moran-PA)
	8618	EDZ4 CTNE Aranjuez R. CQ mkr CW (Osterman-OH)(Walters)
	8682	EAD3 CTNE Aranjuez R. CQ mkr CW (Osterman-OH) 0315 (Pettit-IA) 0515 (Howell-CA)
SWEDEN: 8498	0445	SAG4 A.C.T. Göteborg R. ID mkr CW (Howell-CA)
	8740.6	SAG A.C.T. Göteborg R. YL EE/Swed vm USB (Moore-PA)
	8972	SHA38 SAS LDOC Enkoping OM EE wkg flight USB(Russell)
U.S.S.R.:13055	0515	UJQ7 Kiev R. CQ mkr CW (Blaize-LA)2030(Alexander-IA)

AFRICA

KENYA: 13205	2315	Kenya Airways LDOC (Long Distance Operational Control) Nairobi OM EE wkg Kenyan 605 USB (Russell-IL)
LIBERIA:11434	0120	KKN44 U.S. Embassy Monrovia 90Y4 call mkrCW(Alexander)
SENEGAL:13410	0110	6WW French Navy Dakar-Hann R. V mkr CW (Coleman-MA)
SEYCHELLES:13205	0458	Seychelles Aeradio OM EE clg EASTAIR(East Africa Airways) Nairobi USB (Conway-MALAWI)
SO.AFRICA:9240	0515	ZUD Int'l Trans Sta Olifantsfontein OM EE vm(Chinakos)
	12692.2	ZRQ5 Navy Fisantekraal V mkr CW (Howell-CA)
ANGOLA:13023	0828	D3E3 A.P.T. Luanda CQ mkr CW (Conway-MALAWI)
MALAWI: 8914	1458	Blantyre Aeradio OM EE clg Springbok Jo'burg(Conway)

ASIA

CHINA: 8450	1214	R. Peking CC feeder USB (Howell-CA)
HONG KONG:8903	1645	Kai Tak Aeradio time sig CW (Marjorie Witte-CA)
INDIA: 12804	1551	VTG Navy Bombay CQ mkr CW (Conway-MALAWI)
ISRAEL: 8437.1	0222	4XZ Navy Haifa V mkr CW (Walters-NJ)
JAPAN: 8000	1025	JJY M.F.T. Koganei YL EE/JJ time sigs(New voice & CW format) AM/CW (Boehm-TX)1045(Scott-OK)1235(McNally-CA)
	11236	AIF Yokota AFB USAF OM EE wkg EDZ24 USB (Chabak-AZ)
	12826.5	JCS NT&T Ghoshi R. CQ mkr CW (Granone-NM)
	13008	JOR Nippon T&T Nagasaki R. CQ mkr CW (Boehm-TX) 1810 (Granone-NM)
	13063	JDB NT&T Nagasaki R. CQ mkr CW (Dawson-CA)
	22409	JOR NT&T Nagasaki R. CQ mkr CW (Dawson-CA)
OMAN: 4233	1536	AMM Muscat R. O.T.C. CQ mkr CW (Conway-MALAWI)
PAKISTAN:17093.5	0210	MQP Navy Karachi V mkr CW (Walters-NJ)
PHILIPPINES:13201	0717	AIC Clark AFB Luzon OM EE wkg DN984 USB (Chabak-AZ)
	13976	AIC Clark AFB Manila YL EE wkg NOTICE USB(Granone-NM)
SAUDI ARABIA:12811.3	0435	HZY PTT Ras Tanura R. CQ mkr CW (Conway-MALAWI)
SINGAPORE:13071.5	1720	9VG T.A.S. Singapore R. CQ mkr CW (Granone-NM)
U.S.S.R.:12030	0312	Radio Moscow EE N.A. Svc feedersISB (Stein-NJ)
	12795	UKN MinCom Archangel R. CQ mkr CW (Moran-PA)
	17063	UFB MinCom Odessa R. ID mkr CW (Coleman-MA)
VIETNAM:13042.5	1755	XVS9 DGPT Ho Chi Minh Ville R. CQ mkr CW(Conway-MWI)

OCEANIA

AUSTRALIA:4500	1237	VNG Telecom Australia Lyndhurst time tick CW(McNally-CA) 1317 (Thompson-CA)
	10017	Sydney VOLMET VLS OM EE aero wx AM (Scott-OK)
	12000	VNG Telecom Australia OM EE times sigs AM(Thompson-CA)
	12952.5	VIS AOTC Sydney V mkr CW (Dawson-CA)
	12994	VIP4 AOTC Perth V mkr CW (Granone-NM)
	16918.5	VHP RAN Canberra V mkr CW(Fitzgerald-RI)0555(Proom-E)
GUAM: 8989	0846	AIE Andersen AFB OM EE wkg MAC39085 USB (Chabak-AZ)
HAWAII:12206.5	0505	NRO USCG Loran Johnston Is. OM wkg NRO4 USB(Russell)
	12890	NMO USCG Honolulu R. CQ mkr CW (Dawson-CA)
	13344	KVM70 Honolulu VOLMET OM EE aero wx AM (Pettit-IA)
NEW ZEALAND:6506.4	1055	ZLW NZPO Wellington OM EE wkg "Louise"(Alexander-IA)
	8678	ZLP2/4/5/6 RNZN Iirangi V mkr CW (Pettit-IA)
	8737.5	ZLW NZPO Wellington OM EE vm USB (Pettit-IA)(Lucas-CA)

12943.5	0700	ZLP2 RNZN Irirangi V mkr CW (Dawson-CA)
17127	0358	ZLP2/4/5/6 RNZN Irirangi V mkr CW (Fitzgerald-RI)
17170.4	0430	ZL06 NZPO Awarua R. V mkr CW (Pagano-DC)
TAHITI:17354a	0402	FUM French Navy Papeete Mahina R. Vmkr CW(Fitzgerald)
17378a	0255	FUM Fr. Navy Papeete Mahina R. V mkr CW (Moran-PA)

UNIDENTIFIED

1625a	0000	Very short CW pulses, like sonar pulses, all day (Gonzales-CA)
4301a	1728	"VVV DE ZCB4" hrd often over past few years CW (Conway-MWI)
8656a	0115	LCH42 CQ mkr CW (Coleman-MA)
8920a	0135	JUR V mkr CW (Alexander-IA)
11076	0022	EPIC (DEA or Customs) OM EE wkg CGC Reliance USB(Russell-IL)
11182	1615	Heavy Beast ALCC OM EE wkg Ft. Campbell ALCC USB (Russell)
11474a	0103	KG037: "VVV DE KG037 QSX 4/7/11/17 K" CW (Alexander-IA)
12800a	1255	LCH CQ QSX mkr CW (Coleman-MA)
12841a	0145	LWZ very slow, "DE LWZ LWZ" repeated CW (Coleman-MA)
16171a	0156	ULY4 manual V mkr CW QTH? (Fitzgerald-RI)
17393a	2017	TDU3: "VVV QRA de TDU3" CW(Alexander-IA) Embassy?
18666a	2302	EXPRESS HANDCUFF OM EE clg ATLAS(U.S. Customs DC)USB(Stock)

The Utility Report is interested in information about stations of the U.S. Customs Bureau, DEA, and Border Patrol. Freqs used, tactical type calls used (with ID & QTH if known), etc. The small amount of info on these stas which we've accumulated here is available to you for an SASE.

SHIPS

2182	2104	GLZM HMS Blake OM EE wkg Wick R. SSB (Proom-ENGLAND)
4835a	0115	USS Dahlgren OM EE wkg "Shipyard Control" AM (Kerrigan-IL)
8291a	0315	YCIO SS Arco Anchorage cargo OM wkg unid sta USB(Granone-NM)
8360a	0206	UYSN "Aragui" clg UDH, Riga R. CW (Fitzgerald-RI)
13113.2	1835	WTEA NOAA Ocean Survey Ship "Discoverer" OM EE wkg NMC San Francisco USB (E.J. Short-CA)
16590	0215	WNEI SS President Polk OM EE wkg KSFJ USB (Granone-NM)
	0216	WNPI "President Van Buren" OM EE wkg KRDH USB(Fitzgerald-RI)
17449a	0021	WTEP NOAA "Oceanographer" RI01 OM wkg KMI USB(Fitzgerald)
16693a	0311	URWD "Krym" cargo clg UOQ7 CW (Fitzgerald-RI)

AIRCRAFT

5698	0644	4IX1 Canadian Military OM EE wkg MacDill AFB USB (Chabak-AZ)
6683	0125	SAM86972 OM EE wkg Andrews AFB LSB (Russell-IL)
6731	0310	AIR FORCE ONE OM EE wkg Andrews AFB USB (Short-CA)
8847	0150	MAC41643 OM EE wkg Paramaribo Aeradio USB (Fitzgerald-RI)
8882	0233	Argentina 001 OM EE wkg Dakar Aeradio USB (Stock-NY)
8989	0029	I053 OM EE wkg MacDill patch to "Tiger Duty"USB(Russell-IL)
	0202	Foursome OM EE wkg MacDill AFB FL USB (Short-CA)
	1624	Apar 21 OM EE wkg McClellan AFB USB (Chabak-AZ)
	2030	Climax 5 OM EE wkg MacDill AFB USB (Compton-MA)
8993	1625	Canadian Military 2187 OM EE wkg MacDill AFB USB(Coleman-MA)
9006	0212	SAM86971 OM EE wkg Andrews patch to SAM CP LSB (Chabak-AZ)
9020	0204	Teal 40 OM EE wkg MacDill patch to Mather Monitor(Chabak)
11176	0734	CG#1603 OM EE wkg Elmendorf patch to Metro USB (Chabak-AZ)
11182	1500	Swing 25 OM EE wkg RAWHIDE BASE via Scott USB (Russell-IL)
	1530	AF Rescue 60213 OM wkg Scott patch to RCC USB (Russell-IL)
	1945	World 801 OM EE wkg McGuire Metro via Scott USB (Russell)
	2218	LJ01 OM EE wkg VP23 Duty Officer via Scott USB (Russell-IL)
	1912	Blue Angel 9 OM EE wkg Scott AFB USB (Chabak-AZ)
11194	0048	Orion 85 OM EE wkg Lockheeds 1 & 4 USB (Chabak-AZ)
11228	2023	Teal 31 OM wkg Miami Monitor via MacDill USB(Fitzgerald-RI)
11226	0100	AIR FORCE ONE OM EE wkg Andrews AFB LSB (Russell-IL)
11239	0220	QD11 OM EE wkg McClellan patch to El Toro USB (Stock-NY)
	1718	Ascot 2247 OM EE wkg El Toro Ops via McClellan USB(Chabak)
11246	0625	Head Dancer OM EE wkg MacDill AFB USB (Chabak-AZ)
11247	0707	K1w1 822 OM EE wkg Orion 05 USB (Chabak-AZ)
13247	2137	Cowpuncher OM EE clg Andrews AFB USB (Stock-NY)
15041	2306	Lebo 46(B-52 over Denver) wkg Ellsworth Metro via BIG JOHN USB (Russell-IL)
18023	2128	World 806 OM wkg Travis MAC CP via McClellan USB(Russell-IL)
21890	1557	Transmeridian Air Cargo flight OM EE wkg Berne patch to UK SSB (Conway-MALAWI)
	1620	Pelican Air Transport flight OM EE wkg Berne R. patch to Manchester, England SSB (Conway-MALAWI)

TACTICAL

6761	0252	PITS 23 OM EE wkg FISHPOND on SAC Freq Q USB(Fitzgerald-RI)
7527a	0105	SUNSHINE OM EE wkg HOMEPLATE Mobile USB (Chabak-AZ)
8774a	0205	SPARTAN(USS Lexington CVT16) OM wkg WOLFCALL USB(Fitzgerald)
8964	2248	IRENE 30(acft) OM wkg IRENE OPS via FIRESIDE 3 USB(Russell)
9023	0223	BANANA OM EE wkg FUR COAT via DECLINE patch USB(Devendorf)

9027 0021 "DONARIC"(phonetic) YL&OM EE wkg ARPCWHEAD, HANDDRILL & SKYKING on SAC freq Romeo USB (Mellinger-NJ)
 11176 1810 FISHHEAD CONTROL wkg FISHHEAD 60 (tracking balloon payload descents over NM area USB (Chabak-AZ)
 11179 0150 PANTHER(USS Kittyhawk) OM wkg Hickam AFB patch to Barbers Point Base Ops USB (Chabak-AZ)
 11182 0245 DRAGNET BRAVO OM EE wkg OCTAVIO via Scott USB(Russell-IL)
 13215 2244 DUTCHMASTER OM EE wkg Andrews AFB USB (Russell-IL)
 20151a 1735 NOBLE LAD OM EE wkg MISSIONARY LSB (Russell-IL)
 23337 2135 DOUGHBOY OM EE wkg JACKBAR on SAC Freq Uniform USB(Russell)
 11243 0425 SKYKING wkg BOBOLIK & CIVILIAN on SAC freq A1 USB(Stein-NJ)

SPY NUMBERS STATIONS

8174a 0213 YL EE 5-digit groups, "End of Information" 0217 4/20(Watts)
 3279a 0408 OM(?) SS 5-digit groups AM 0410* 5/25/79 (Durnavitch-IL)
 4645a 0425 YL SS "Repeto Grupo 251", 4-d, "Fin" 0453* 6/8/79(Mines-QUE)
 PLEASE PUT NAME & STATE OR PROV AT END OF EACH LOGGING. - Ed.
 4670a 0301 YL SS "54" repeated continuously to 0310* AM 5/28(Kerrigan)
 0408 YL SS "185" 3x, 1-10 count, tones, 4-d grs AM 5/17(Scott-OK)
 YL SS 4-d 5/25/79(Durnavich-IL) 0430 4-d grs 5/22(Pettit-IA)
 5770a 0309 YL GG 5-d grs, ea gr repeated "Ende" 0320* 4/17(McWherter-MD)
 5780a 0525 YL SS 5-digit groups AM (McWherter-MD) 4/16/79
 5810a 0215 YL SS 4-digit groups AM 4/5/79 (Stone-ONTARIO)
 0403 YL SS "545" repeated AM 4/10/79 (Fitzgerald-RI)
 0415 YL SS 5-digit grs, also on 5670a AM 5/8/79 (Brown-IL)
 6748a 0723 YL SS "Atencion 012 145" 5-digit AM 5/25/79 (Devendorf-CA)
 6770a 0625 YL SS 5-digit "Final" AM(Durnavich-IL)4/24/79 0702(Brick-TX)
 6830a 0700 YL SS "Atencion 050 80" 5-d "Final" 0710* AM 6/8(Mines-QUE)
 6840a 1032 YL EE "764 244 647" repeated many times USB 5/3(Alexander-IA)
 6848a 0307 YL GG 5-digit groups USB 5/5/79 USB (Fitzgerald-RI)
 7320m 0703 YL SS 5-digit, "Final" 0707* AM 5/28/79 (Kerrigan-IL)
 7412a 0415 YL SS w/"Atencion (3 2-d groups)" AM 5/29(Durnavich-IL) ~~What~~
~~were these ID groups, Carl-Ed.~~
 0424 YL SS 5-d (Older YL) "Final Final" 0426* 4/19/79 (Watts-IN)
 7570a 0519 YL SS 5-digit groups AM 5/30/79 (Durnavich-IL)
 7740a 0414 YL GG 5-d "End. Achtung 798" more grs USB 4/12 (Watts-IN)
 7888a 0815 YL SS 5-digit groups AM (Munster-CA) Date, Ralf? -ED.
 7900a 0722 5-d, letters transposition "AR VA" 0724* CW 6/8/79(Mines-QU)
 9828a 0813 YL SS "Atencion 317" "Final Final" 0814* 4/5/79(Forsman-CA)
 8875a 0511 YL SS 5-digit AM 4/16/79(McWherter-MD)0713 4/24(Devendorf-CA)
 9040a 0300 YL GG "OSGAR VICTOR" tones "343 94 798 46 343 39" 5-digit groups, 3 mags "Ende" 0320* USB 6/8/79 (Mines-QUEBEC)
 9400a 0613 YL SS 5-digit groups AM (Munster-GA) 5/6/79
 9453a 0630 YL SS 5-digit AM 4/4/79(Pettit-IA) 5/16/79 (Munster-GA)
 11237a 2104 YL GG(?) 3-d:"Eintz Sen Nord" rptd, 10 digits, then 4 USB 4/22(Fitzgerald-RI) YL GG(?) 4-d groups 5/20 (Moran-PA)
 12330a 0510 YL SS 5-digit, "Final" 0517* 6/8/79 AM (Mines-QUEBEC)
 13452a 1436 YL SS "545" repeated, 1440* 5/12/79 (Scott-OK)
 13775a 0145 YL GG 5-digit groups, "End" 0148* USB 6/9/79 (Mellinger-NJ)
 14825a 0715 YL SS 5-digit, "Final" 0719* 6/8/79 AM (Mines-QUEBEC) ~~5-16~~
 14968a 2027 YL EE "590 058 569 190" after time tick & tone 2037*(Scott-OK)

RADIOTELETYPE

ANTARCTICA:20835 0725 RUZU Molodezhnaya Base clg RNO ???wpm/425hz(Conway-M)
 BRAZIL: 20018 0055 PPN9 EMBRATEL Natal R. CQ mkr 66wpm/170hz(Gonzales-CA)
 CHILE: 15760 0500 CGS Navy Santiago clg CCOH 66/850 zh shift(Gonzales)
 CUBA: 9080 0615 CLN244 IRTS Havana EE Fox tests 66/425 (Gonzales-CA)
 9363.5 0251 CLN261 Prensa Latina Havana RY&Fox test(Osterman-OH)
 ENGLAND:6835 0005 GLF22 Royal Greenwich Obs RY test ??/??? (Osterman)
 11181a 0413 MKL RAF Tynemouth weather 66/425 (Stein-NJ)
 11415a 2210 MKG RAF London Fox test 66/425 Rev. (Stein-NJ)
 (Cyprus)16284a 1951 MKD RAF Akrotiri, Cyprus RY Fox tests 66/425(Stein-NJ)
 GERMANY:19886a 1252 DEU3 German news 66/425R (Stein-NJ)
 24001a 1447 DEU3 DBX8 DEU2 DEU5 RY test 66/425 (Stein-NJ)
 IRAN: 10333 1920 EPD Mehrabad Aeradio RY test ??/850 (Conway-MALAWI)
 LEBANON:10821a 2215 Reuters Beirut clg Reuters London 66/425R (Stein-NJ)
 MOROCCO:17555.9 1205 AP Rabat EE news 66/425R (Stein-NJ)
 19987.4 1300 AP Rabat Map News Service 66/425R (Stein-NJ)
 PERU: 12100 2346 OCB73 Lima Valverde Fox/RX tests 66/--- (French-MD)
 SURINAM:12205a 2353 PZP Zanderij Aeradio RY mkr 66/--- (French-MD)
 U.S.A.:11448 0149 KNY37 Swiss Embassy DC QRA RY mkr 66/--- (French-MD)
 USSR: 21841a 1745 RQL70 Moscow? Tass EE news 66/425R (Stein-NJ)
 VATICAN:13385 1602 HVQ23 QRA mkr & RY test ZHC ??/425 (Conway-MALAWI)
 YEMEN PDR:14420a 0430 70C Y.T.C. Aden RY tests 66/425 (Woods-OK)
 UNIDENTIFIED:13095 0530 KAM4 & "Radiocentre KRP" RR tfc 66/170(Gonzales-CA)

WORLD COMMERCIAL AERADIO IN-FLIGHT FREQUENCIES

Most fixed aeradios use the name of the city in or near which they are located as an identifier, e.g., "New York", "London", "Tokyo", etc.

Commercial aircraft usually identify with the airline name and a flight number, e.g., "Eastern 151"-Eastern Air Lines; "Olympic 2511"-Olympic Air Lines, Greece; "Avianca 42"-Avianca, Colombia; etc, although some use civil aircraft company designators such as those listed in the June, 1979 Utility Report.

Military aircraft identify with the aircraft type & flight number, or with their registration numbers, or with special names and numbers.

World Area Networks

CAR=Caribbean
 CEP=Central East Pacific
 CWP=Central West Pacific
 EU =Europe
 FE =Far East
 ME =Middle East
 NA =North Atlantic

NP=North Pacific
 NSA1=Africa, West
 NSA2=Africa, East
 SAT =South Atlantic
 SAM1=South America, West
 SAM2=South America, East
 SEA1,2,3,+Southeast Asia
 SP=South Pacific

<u>FREQ</u>	<u>AREA</u>	<u>FREQ</u>	<u>AREA</u>	<u>FREQ</u>	<u>AREA</u>
2854	ME	5645	FE	8945	NA-SA
2868	NA-SA-FE-SEA2	5659	ME	8959	E.CAR-ME
2875	CAR	5673	NA-SA-SEA1,2,3	10009	ME
2839	NW&SW SAM	5698	N. America	10017	W.CAR
2996	CWP1&2	6524	ME	10025	NSA2
2910	NP2&4-EU-SAM1&2	6526	ARINC LDOC*	10049	SAT
2931	NA-SAT	6540	E. CAR-NSA2	10093	ARINC LDOC*
2945	SP-NA-SAT	6552	EU	11303	SAM1-CWP1&2-EU
2952	E. CAR	6561	W.CAR-NSA2	11311	NA
2966	NSA2-W. CAR	6568	SAM1-CAR-EU	11327	NE,SE&Central SAM
2987	NA-SA-SEA1&3	6582	SAM1-EU	11343	E.CAR-NW&SW SAM
3001	N. America-CEP5	6597	SAM2	11367	E.CAR-NA
3404	ME	6610	SAT-CWP1&2	13228	SA
3411	NSA1	6624	ME	13264	NP3&4
3432	SAT	6631	CWP1&2	13280	NSA2
3446	ME	6663	CWP	13288	NA-SEA3
3467	CEP-EU-SAM1	6666	CAR-NW&SW SAM	13296	CWP1&2
3481	NSA2	6680	CEP	13304	NP-NSA1-SP
4689	EU	6689	EU	13312	CEP-SEA2
4696	NW&SW SAM	8826	NSA1-SAM1&2	13320	NE,SE&C SAM-W.CAR
5484	CAR	8837	SEA	13328	NA-SA
5505	CWP1&2-ME-NSA2	8840	W.CAR-SEA2	13336	CEP-ME-NSA2
5519	NSA1	8847	ME-NP-SP	13344	SAT
5552	CEP	8854	CWP1&2-NA-SA-SEA3	13352	NA-SA
5554	CEP-EU-SAM1	8868	SEA2&3	13356	ARINC LDOC*
5568	W. CAR	8871	EU-SAM1	17909	CEP-CWP1&2-NP3&4-SP
5582	SAM1&2	8875	CEP-EU-SAM1	17917	SAM
5589	NP3&4	8826	NW&SW SAM	17925	NSA1&2-E&W.CAR
5603	CEP-ME	8882	SAT-SEA1	17941	NA-ARINC LDOC*-NAT
5610	CEP-ME-NA	8889	NA-SA	17949	SAT
5624	NA-SA-SEA2	8910	NA-SA	21996	ARINC LDOC*
5638	NA-NP-SA-SP	8914	NSA2		
5645	FE	8931	CEP-EU-SAM1		
5659	ME	8938	CEP-NP3&4		

*Aeronautical Radio, Inc. (ARINC) Long Distance Operation Control, New York, Honolulu, Houston, San Francisco, and San Juan.



QSL REPORTS

Editor: Bob Donly 7208 Sunview Dr. Columbia, South Carolina 29209
(deadline 12th of the month)

HAPPY
BIRTHDAY
SPEEDX

July has arrived ! Summer is in full swing, and SPEEDX is a year older. HAPPY BIRTHDAY to us all ! The Club is now eight years old.

Two points of interest have turned up this month. Gary Fowler has received a form letter verification from " The Socialist People's Libyan Arab Jamahiriya Broadcasting Corporation" This is the first verification, that I know of, since they changed their name; and put their 500KW transmitters in operation.

Verification cards are also being received from " The Voice of the Islamic Republic of Iran. These are the first to be received, by any of our membership, since the change of government in that Country.

Marjorie Oakley, with much work and a little luck, has heard several transmissions from " Radio Maldives ". She sent me some cassette recordings made during these " catches " because she probably knows that this is the only way I will ever be able to hear " Radio Maldives ". With continued luck, I just might be able to feature their QSL some day soon.

In order to get The SPEEDX BULLITEN to you faster, we are observing a strict deadline of the 12th of each month. Please mail your report packets allowing enough time for the new deadline. A number of packets arrived after this month's deadline, and are still coming in ! These will have to be carried over for next month's Column.

A fair number of reporters (68) reporting this month, 5 for the first time. Keep up the good work - I'll report what you send in !

Away we go !

Europe

AUSTRIA: ORF, 5945, f/d "Phantasmagorical Landscape" cd in 73d air, no rp (COLGAN TX), same cd in 40d air, for 1 IRC (DIECKMANN MO), 9770, f/d "Adam" cd in 70d, no rp (ALEXANDER PA)

BELGIUM: BRT/ORU, 6080, 11705, 11715, 17745, 21460. F/d cds in 40-96ds air, for 1 IRC, no rp. Brown/yellow cd representing sound waves (SMITH FL)(DEKEYSER CA), ID cd (HINTON TX)(DIECKMANN MO), Brown Logo cd (AUDETTE MA)(WAGNER PA), Blue globe cd (FRASER MA), Harmonic xmtr. filter cd (DEKEYSER CA)

BULGARIA: R. Sofia, f/d "View of Seaside Resort" cd in 60d air, no rp (SAVAGE CA) 9700, 11860, same cd in 36d air, no rp (SMITH FL)

CZECHOSLOVAKIA: R. Prague, 5930, 6110, 7345, 9605, 11900, 11993(?). F/d cds in 28-98ds air, for 2-3 IRCs, no rp. Cathedral and Castle (SMITH FL)(STONE ONT)(KUSALIK ONT), "Zuikov Castle" (WORREL ND), "Orava Castle" (MORAN PA), "Dumbier Peak" (MILLER CA), Trade fairgrounds (SMITH FL), Blue ID cd, and no/data DX Club ltr. (DIECKMANN MO)

FINLAND: R. Finland, 11735, no/data Finnish Architecture cd in 52d sfc, no rp (OAKLEY CA), no/data Shipbuilding cd in 31d air, no rp (MUNSTER GA), 15265, no/data Finnish Architecture cd, no rp (HOLBROOK MD), 15270, f/d "Spring in Finland" cd in 16d air, no rp (WITTE CA), 15400, no/data Industry cd in 35d, no rp (ALEXANDER PA), no/data Shipbuilding cd in 54d air, no rp (HINTON TX)

FRANCE: R. France International, 15300, 17720, 17735, 17775, 17850, 21580, 21620, 21675. F/d cds in 21-73ds air, for 1-2 IRCs no rp. National Art and Culture Centre (STONE ONT), (MILLER CA)(ROSEWARNE CA), View of Paris (THOMPSON CA)(HINTON TX), "Salle de Concert" (SMITH FL), Eiffel Tower (BRATLIE MN), Power Station (BEEMAN OH), Skyscraper (FRASER MA), "Palais des Congress" (MILLER CA), Black/white thank you cd, and pennant (DAVENPORT TN)

GERMANY(Democratic Rep.): RBI, 9730, f/d "Equestrian Statue" cd in 60d air, no rp (FRASER MA), 11805, f/d Clock Tower cd in 66d air, no rp (COLGAN TX), 11890, f/d "Altes Museum" cd in 59d air, no rp (SAVAGE CA), Two f/d 30 year Annv. cds in 52d air, no rp (WITTE CA), 17740, f/d Clock Tower cd in 54d air, no rp (SMITH FL)

GERMANY(Federal Rep.): Deutsche Welle, 6040, no/data Antenna Farm cd in 55d air, for 1 IRC (BOWER TX), 9565, no/data Logo with sticker cd in 70d air, no rp (FALLOWS ONT), no frequency, no/data "Hello Friends" cd in 64d sfc, no rp (MUNSTER GA) Deutschlandfunk, 6010, colour cd of Hamburg f/d in 40d air, for 3 IRCs (KUSALIK ONT)

.. Wisdom is the ability to discover alternatives ..

Germany(Federal Rep. continued): R. Bremen, 6190, f/d orange, blue, green map cd with Bremen and Berlin circled in 22d air, for 3 IRCs (KUSALIK ONT)
 R. Free Europe, 11815, f/d Blue/white Logo cd in 30d air, no rp (WITTE CA), 11910, date/frequency Map of Europe cd in 22d sfc, no rp (BYRON NY)
 Sudwestfunk, 7265, no desc. cd in 32d (PAGANO DC)
 GREAT BRITAIN : BEC, 9570, no/data "Tower Bridge" cd in 14d air, no rp (RICHARDSON AZ), no frequency listed, no/data "Tower Bridge" cd in 41d, no rp (MUNSTER GA)
 GREECE: The V. of Greece, 11730, f/d plain white cd in 61d air, no rp (COLGAN TX), same cd in 47d air, no rp (FALLOWS ONT)
 HOLLAND: R. Nederland, 7210, f/d "Hilversum" cd in 55d air, no rp (SMITH FL), 17695, f/d "Authentic Costumes" cd in 49d air, no rp (SMITH FL)
 HUNGARY: R. Budapest, 11910, f/d "Drawing of Budapest" cd in 90d sfc., no rp (MORAN PA)
 ICELAND: V. of Iceland, 12175, f/d, no desc., cd in 126d air, for 1 IRC (MIKELL IL)
 ITALY; RAI, 7275, 9575, 15330, 15385, 17720. F/d cds in 115-169ds air and sfc, for MS - no rp. "Giorgione Venere Dormente" (SMITH FL), castle (KASPRZYK TX), "Giorgione Castle" (AUDETTE MA), "Women of Giogione" (BEEMAN OH), "Giorgione-L'adorazione del Pastori" (SMITH FL)
 MONACO: TWR, 9610, f/d World Map cd with xmtr. sites in 24d air, for 1 IRC(ROSEWARNE CA)
 NORWAY: R. Norway, 9590, 15175, 15345, 21730. F/d cds in 17-65ds air-sfc, for 1 IRC no rp. "Winter in Norway" (FALLOWS ONT)(LATTEMANN WA), "Hardanger in Fruit Blossom Time" (DIECKMANN MO)(PHILLIPS CT)
 POLAND: Polskie R., 11815, f/d "Warsaw Royal Castle" cd in 65d air, no rp (ROSEWARNE CA), 15120, f/d "Three Runners" cd in 63d air, no rp (COLGAN TX), f/d Drawing of Mermaid and Bird cd in 58d air, no rp (WORREL ND)

PORTUGAL: IBRA, 9670, f/d Latin American Market Place cd in 62d air, for 1 IRC (SAYLOR PA)
 R. Portugal, 6025, "fisherman" cd in 21d air, no rp (HARRINGTON CO), f/d "Town Hall" cd in 18d air, no rp (MILLER CA), 11935, f/d "Lady of Incarnation" cd in 36d air, no rp (HINTON TX)

ROMANIA: R. Bucharest, 9570, f/d "Bran Castle" cd in 100d air, no rp (HOLMES CO), same cd in 120d air, no rp (WITTE CA), f/d "Cumpana Chalet and Lake Vidraur" cd in 77d air, no rp, also DX club sticker, key chains (BYRON NY)

SPAIN: R. Exterior De Espana, 9630, 11815, 11880. F/d cds in 25-60ds air, for 1 IRC, no rp. "Sevilla Espana" (SCOTT OK)(THOMPSON NM)(BYRON NY)(HOLMES CO)(STONE ONT), "Balears Island" (AUDETTE MA)(DIECKMANN MO), Sailboats (SMITH FL)(HOLBROOK MD), "La Isla Blanca" (BOWER TX), "Companario del Parado Nacional de Mirila" (MILLER CA), no desc. (DAVENPORT TN), "Nesting Storks" (ROSEWARNE CA)

SWEDEN: R. Sweden, 9695, 11905, 15290, 21690. F/d cds in 14-35d air, for 1 IRC no rp. "Stamp of Flower Linne" (SMITH FL)(NO NAME-SOMEPLACE), Blue/yellow Map of Sweden (AUDETTE MA)(PHILLIPS CT), no desc (HOLBROOK MD)

SWITZERLAND: RCBS, 7210, date/freq. Globe with headsets and microphone cd in 60d air, for 1 IRC (SAYLOR PA)

SRI, 9725, f/d Mountain Lake cd in 61d sfc, no rp (MUNSTER GA), 21570, f/d Mountain Scenes cd in 49d air, no rp (HINTON TX)

USSR: R. Kiev, 15455, f/d "Hotel Lybid" cd in 49d air, no rp (COLGAN TX)

R. Minsk, 7420, f/d folder cd of October Movie Theatre in 319d air, for 1 IRC (HOPKINS PA)

R. Moscow, 9490(Moscow), 9500(Komsomolsk), 9530(Moscow), 9600(Moscow), 9660(Ivano-Frankovsk), 9665(Ivano-Frankovsk), 9700(Lvov), 11755(Leningrad), 11790(Ryazan), 11820(Frunze), 11860(Yuzhno-Sakhalinsk), 12010(Komsomolsk), 12055(Khabavovsk), 15140(Moscow) 15140(Petropavlovsk), 15180(Petropavlovsk-Kamchatsky), 15220(Riga), 15455(Petropovlovsk), 15255(Vinnitsa), 15490(Minsk), 15525(Moscow), 17775(Ryazan), 17870(Khabarovsk). F/d cds in 30-47ds air, for 1 IRC and no rp.CMEA Building, Birch Trees, 60th Annv., Clock Tower etc. (BAKER IL)(MURPHY CA)(PETERS KY)(ALEXANDER PA)(SPARKS CA)(KUSALIK ONT)



USSR (continued): (MELLINGER NJ)(LAZARUS LA)(DIECKMANN MO)(SMITH FL)(HARRINGTON CO)
 R. Station Peace and Progress, 19 Metre Band, date/time Carnation cd in 25d air, no rp (Dieckmann MO), 15490, f/d Logo and Flowers cd in 24d air, no rp (SAVAGE CA)
 R. Vilnius, 11870, 15100, 17870. F/d cds in 60-148ds air, for 3 IRCs and NO rp. Holiday House (SMITH FL), Green/white flowers (SMITH FL), Home of folk authorees Lemaite (THOMPSON CA), Opera and Ballet Theatre (SCOTT OK), no desc. (OAKLEY CA)
 R. Yerevan, 15100, plain white cd in 7½ mths. no rp (NOVAK CA) (Ed. note: Please do not list USSR sites unless they appear on your QSL.
 VATICAN CITY STATE: R. Vaticana, 6015, 9605, 9645, 11845, 17840. F/d cds in 14-54ds air, 1-2 IRCs, no rp. Pope's Finger Antenna (RZEPKA WI), Vatican Gardens (FALLOWS ONT) (MILLER CA), Transmitter Centre (DIECKMANN MO), Production Centre (BOWER TX)(BRATLIE MN), "Palazzo Pio" (DIECKMANN MO)(HOLBROOK MD)
 YUGOSLAVIA: R. Beograd, 9620, f/d "View of Rijeka" cd in 83d air, no rp (FALLOWS ONT)

Africa

ALGERIA: Rdf. TV Algerienne, 9510, f/d Black/grey Camel Caravan cd in 42d air, for 2 MS, rptd. in FF (KUSALIK ONT), 9885, Tan/black Logo cd with desert Scene in 58d sfc, for 1 IRC (FOWLER ONT)
 ASCENSION ISLAND: BBC Atlantic Relay, 15260, no/data "Tower Bridge" cd in 24d air, for 1 IRC (THOMPSON NM)
 BENIN (People's Rep.): La Voix de la Revolution, 4870, f/d small map cd in 54d air, for 3 IRCs (RZEPKA WI), date/time multi-coloured cd in 120d sfc, for 4 IRCs (PETERS MAN)
 EGYPT(Arab Rep.): R. Cario, 9475, f/d Pyramids cd in 93d sfc, no rp (ROSEWARNE CA)
 CAMEROON(United Rep.): R. Bertoua, 4750, date/only form ltr. in FF received in 227d air, v/s Marie Etoundi (HOPKINS PA)
 ETHIOPIA: V. of Revolutionary Ethiopia, 7110, prepared form ltr, after second try, in 42d air (HOPKINS PA)
 IVORY COAST: Rdf. Ivorienne, 4770, date/only folder map cd in 237d sfc, rptd. in FF (HOPKINS PA), 11920, date/freq. Black/white Map cd in 58d sfc, for 2 IRCs (FOWLER ONT), f/d Black/white map cd in 42d air, for 2 IRCs (DONLY SC) see below

SWL

DE

RADIO ABIDJAN

MERCI POUR VOTRE REPORT
CONCERNANT NOTRE EMISSION

DU 30 - 4 - 77

(A) a - b - c - d - X - Y - Z
 B - a - b - c - d - X - Y - Z
 C - a - b - c - d - X - Y - Z

Heure GMT

D - 04 h 00 à 00 h 00
 E - 06 h 00 à 00 h 00
 F - 08 h 00 à 00 h 00
 G - 10 h 00 à 00 h 00
 H - 12 h 00 à 00 h 00
 I - 14 h 00 à 00 h 00
 J - 16 h 00 à 00 h 00
 K - 18 h 00 à 00 h 00
 L - 20 h 00 à 00 h 00
 M - 22 h 00 à 00 h 00
 N - 00 h 00 à 02 h 00
 O - 02 h 00 à 04 h 00
 P - 04 h 00 à 06 h 00
 Q - 06 h 00 à 08 h 00
 R - 08 h 00 à 10 h 00
 S - 10 h 00 à 12 h 00
 T - 12 h 00 à 14 h 00
 U - 14 h 00 à 16 h 00
 V - 16 h 00 à 18 h 00
 W - 18 h 00 à 20 h 00
 X - 20 h 00 à 22 h 00
 Y - 22 h 00 à 00 h 00
 Z - 00 h 00 à 02 h 00

B.P. V 191 ABIDJAN (COTE D'IVOIRE)

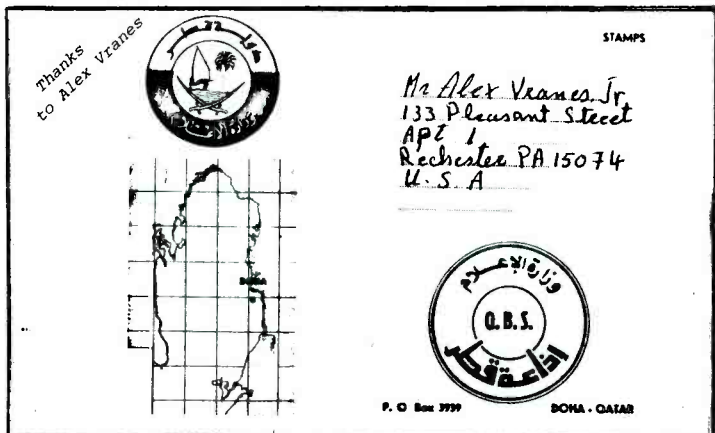
(A) - 11.920 kc/s - 100 kW
 B - 7.215 kc/s - 10kW
 C - 4.940 kc/s - 25 kW
 D -
 E -

LESOTHO: R. Lesotho, 4800, Flag cd with details in 14mths. air, for MS (KUSALIK ONT)
 LIBERIA: ELWA, 4770, f/d "Drummer" cd in 85d air, for 2 IRCs (FISHER MA), 11830, same cd in 195d air, for 1 IRC (RZEPKA WI)
 VOA Relay Monrovia, 7280, "4 Seasons" cd in 12d air, no rp (KASPRZYK TX) One wonders if this site is relaying Greenville, or via satellite? bd
 LIBYA: SPLAJBC, 9500, date/only form ltr. in 34d sfc, for 1 IRC (FOWLER ONT)
 NIGERIA: R. Bendel, 4932, friendly no/data ltr. in 25d air, for 1 IRC, v/s M. O. Ejiofor (FISHER MA)
 SIERRA LEONE: SLBS, 5980, f/d ltr. in 36d air, for 3 IRCs, v/s H. A. Lynch (KUSALIK ONT)
 SOUTH AFRICA(Rep.): RSA, 9585, f/d "The Drakensberg" cd in 22d air, for 1 IRC (PHILLIPS CT), 9610, f/d "Basotho Hunters" cd in 19d air, no rp (AUDETTE MA), 11705, f/d "Tower of Ponte" cd in 30d air, no rp (GRENIER CA), 21535, f/d "City of Johannesburg" cd in 31d air, no rp (BEEMAN OH), 25790, f/d Durban "Surf City" cd in 10d 2nd class, for 2 IRCs (KUSALIK ONT)
 Boy, reports from South Africa have really fallen off this month, has everyone stopped listening to "The Voice from the South" ? bd
 TANZANIA: R. Tanzania, 15435, date/freq. pink/yellow "Sauti ya Tanzania" cd in 141d sfc, for 1 IRC (HOPKINS PA)

.. There are usually two sides to every argument - but no end ..

Asia

- CHINA (People's Rep.): R. Peking, 11725, no desc. cd by air, no rp (HOLBROOK MD), 15060, date/freq. Bridge and Mountain cd in 13d air, no rp (MUNSTER GA), 15270, f/d Chinese girl cd in 20d air, no rp (SMITH FL), 17680, date/freq. Modern Art cd in 21d air, no rp (NO NAME SOMEPLACE), f/d Rice Harvest cd in 27d air, no rp (FRASER MA), date/freq. Bridge across River cd in 19d air, no rp (SMITH FL), same cd in 16d air, no rp (MURPHY CA)
- CYPRUS: BBC Mediterranean Relay, 15420, no/data "Tower Bridge" cd in 17d air, no rp (HOLBROOK MD)
- INDIA: AIR, 11620. F/d cds in 141-270ds air, 1-4 IRCs and no rp. Mural-Lake Palace (FRASER MA) (SAYLOR PA), Meenakshi Temple (RZEPKA WI), "The Great Serpent (STROH IL), "Sir Raja Deccani School" (WORRELL ND)
- INDONESIA: RPKK Tk2 Lebak, 3421, 2 ltrs. in 27d for 2 rpts. MS sent, power 375watts v/s Djmhayat Bays, Kepala Begian Siaran (SPARKS CA)
 RPKD Tk2 Blitar, 4087, f/d ltr in 2 weeks for 2 rpts, also sent picture postcards, MS sent, v/s Rochim Ridwan, BA (SPARKS CA)
 RRI Nabire, 5975, f/d ltr. in 3 weeks for 2 rpts. MS sent, v/s Dardiri Hadisaputro, Kepala Stasium, Address: Jalan Radio #1, Kotak Pos. 11, Nabire, Irian Jaya (SPARKS CA)
 RRI Palangkaraya, 3325, no desc. QSL in 60d (PAGANO DC)
 RRI Pontianak Kalimantan 3346, ltr. with veri. in EE 34d air, MS sent, v/s Suryanta Saleh (KUSALIK ONT)
 RRI Sorong, 4875, grey cd with details received Regtd. air in 36d, MS sent, v/s Soedarsono (KUSALIK ONT)
 RRI Medan Sumatera, 4767, RRI black/white cd with details and personal ltr. in 36d Regtd. air, for MS, v/s C. R. H. Tobing BA (KUSALIK ONT)
 V. of Indonesia, 11970. F/d cds in 31-65d air, no rp. Bull Race (NOVAK CA) (DIECKMANN MO) (SCOTT OK) (HINTON TX) (LOBDELL MA) some received pennants
- IRAN (Islamic Rep.): V. of the Islamic Rep. of Iran, 15084, f/d NIRT Bandar centre cd overstamped with red seal in 74d air, no rp (LATTEMANN WA), green cd with gold lettering f/d in 115d air, for 1 IRC (KASPRZYK TX), no desc. OSL (PAGANO DC)
- IRAQ: R. Baghdad, 9745, f/d "Ahrar Bridge" cd in 35d air, no rp (DIECKMANN MO), f/d Map cd in 81d air, for 3 IRCs, sent pennant (GEORGE TX)
- ISRAEL: IBA, 9435, 9815, 9833, 11620, 11645, 11655. F/d cds in 10-71ds air sfc, for 1 IRC no rp. "Tribes of Israel", Folk Dancing etc. (BOWER TX) (HINTON TX) (FRASER MA) (PHILLIPS CT) (BRATLIE MN) (DIECKMANN MO) (LATTEMANN WA) (MCCURDY CA) (HOLMES CO) (WITTE CA)
- JAPAN: R. Japan, 9505, 9585, 11815, 17755, 17825, 17880, 21640. Date/freq. f/d cds in 20-90 ds air, no rp. Mask of Woman, Hakata Doll, etc. (DIECKMANN MO) (HOLBROOK MD) (HOLMES CO) (HARRINGTON CO) (MUNSTER GA) (YAJKO PA) (SMITH FL)
- KOREA (Dem. People's Rep.): R. Pyongyang, 9977, Stage Scene cd in 137d sfc, for 1 IRC, received flag pennant, calendar, New Year's cd (MELLINGER NJ)
- MALASIA: R. Malaysia Sarawak, 4950, Broadcasting House cd, stamps in 14d air, for 3 IRCs (OAKLEY CA)
- OMAN: BBC Eastern Relay, 15310, no/data "Tower Bridge" cd in 30d air, for 1 IRC (LAZARUS LA), same cd in 74d air, for 2 IRCs (HENSLEY TX), 7140, same cd in 99d air, no rp (HOPKINS PA)
- PAKISTAN: R. Pakistan, 11675, 17665, 17830. F/d, no/data cds in 25-29d air and sfc, for 3 IRCs, no rp. Paradise Point (SMITH FL), Camel in Desert (KASPRZYK TX) (MURPHY CA)
- PHILIPPINES: FEBC, 15450, f/d 30 years of Broadcasting cd in 46d air, for 2 IRCs (ROSEWARNE CA)
 R. Veritas Asia, 9590, f/d cd "Indonesia" in 32d air, no rp (WORRELL ND)
- Qatar: QBS, 9570, f/d Map/seal cd and pennant in 16d air, for 1 IRC, v/s Abdulrahman Al-Darwish (HOPKINS PA), same cd in 2 years 3 months air, for 2 IRCs (DONLY SC)
- SINGAPORE: BBC Far Eastern Relay, 9740, no/data Bridge cd in 60d air, for 3 IRCs (STROH IL)



SINGAPORE (continued): R. Singapore, 11940, f/d "Singapore by Night" cd in 31d air, no rp (SAVAGE CA)

SRI LANKA: VOA Relay Colombo, 15185, Cable Car cd in 18d sfc, no rp (HOLBROOK MD)

TAIWAN: The V. of Free China, 11745, f/d, no desc., cd in 60d air, no rp (ISHII JAPAN), 17890, f/d Painting of Horses cd in 81d sfc, for 4 IRCs (BAKER IL)

TURKEY: The V. of Turkey, 9515, 7170, 11955. F/d and date/only cds in 20-40d air, sfc, for 1-3 IRCs no rp. "Love and Peace", "BaTd Ibis" etc. pennant(KUSALIK ONT)(PHILLIPS CT) (DIECKMANN MO)(AUDETTE MA)(PROOM ENGLAND)(HOLBROOK MD)(BRATLIE MN)(SCOTT OK)(ROSEWARNE CA)

VIETNAM (Socialist Rep.): The V. of Vietnam, 10040, f/d white cd with red seal in 109d air, no rp (LATTEMANN WA)

Oceania

AUSTRALIA: ABC, 4920(VLM-4), 6090(Sydney), 9610(Pearth), 9680(VLH-9), 15425(VLW-15). F/d map cds in 13-92d air, for 1 IRC no rp. (SCOTT OK)(HOPKINS PA)(THOMPSON NM)(LATTEMANN WA)

R. Australia, 5995, 9570, 9580, 9770, 11870, 15160, 17725, 17890, 21680, 21740. F/d cds in 14-21lds air-sfc, for 1 IRC no rp. "Ringtail Possum", "Blue Wren", "Pink Rose Cone" etc. (YAJKO PA)(LATTEMANN WA)(DAVENPORT TN)(SMITH FL)(MELLINGER NJ)(AUDETTE MA)(PROOM ENGLAND) (MURPHY CA)(HOLBROOK MD)(MORAN PA)(THOMPSON NM)

GUAM: TWR KTWR, 11730, f/d Palm trees-Ancient relics cd in 78d air, for 3 IRCs (OAKLEY CA)

NEW CALEDONIA: Radio Noumea, 7170, date/freq. ltr. in 79d air, for 2 IRCs (LATTEMANN WA), 11710, f/d blue/white ltr. in 50d air, no rp (WITTE CA), no/data form ltr. in 63d air, for 2 IRCs (SAVAGE CA)

PAPUA NEW GUINEA: 4890, NBC, f/d Brown/yellow map cd in 17d air, no rp (WITTE CA)

NEW ZEALAND: R. New Zealand, 17770, f/d Scenic cd in 40d air, no rp (HINTON TX), same cd in 22d air, no rp (MURPHY CA)

SOLOMON ISLANDS: SLBC, 9545, f/d black/white Logo cd in 20d air, for 2 IRCs (LATTEMANN WA), same cd in 34d air, for 3 IRCs (OAKLEY CA), same cd in 24d air, for 3 IRCs (HENSLEY TX)

South America

ARGENTINA: R. Rivadavia, 5882, freq./only Owl cd in 191d air, for MS, v/s Jorge Falcone, rptd. in SS (HOFFMAN PA)

BOLIVIA: R. Fides-La Paz, 4845, colour cd of La Paz with Mt. Illimani background, handwritten text on back in 21d, for used MS, SS rpt. v/s Eduardo Perez Iribarne, Director (LOBDELL MA)

R. Panamericana, 6035, freq./only personal ltr. in 10mths. for MS, rptd. in SS, v/s Daniel Sanchez R. (LAZARUS LA)

BRAZIL: R. Cultura de Para, 5045, freq./only form ltr. in 246d sfc, no rp, rptd. in PP (FOWLER ONT)

R. Nacional(R. Bras), 11780, Amazon Programme, f/d black/white cd #493/79 in 65d air, no rp (LATTEMANN WA), 15280, f/d white cd in 25d air, for 1 IRC (COLGAN TX), no/data form ltr., for 1 IRC, by air (Bratlle MN), f/d white cd in 45d air, for 1 IRC (AUDETTE MA), same cd in 19d air, no rp (MUNSTER GA), same in 40d air, no rp (HOOK FL), 15290, same cd in 48d air, no rp (BYRON NY)

R. Nacional de Boa Vista, 4835, no/data form ltr. in 6mths. for MS, rptd. in PP, v/s Carlos Alberto A. de Souza (LAZARUS LA)

R. Rio Mar, 9695, date/only map cd in 60d air, for MS, rptd in PP (LAZARUS LA)

R. Taubate, 4925, freq./only blue/white cd in 18d air, for 2 IRCs, rptd. in PP (PINEAULT QUE)

CHILE: R. Minería, 9750, no/data ltr. and small blue pennant in 16 mths. air, rptd. in SS, v/s Manuel Vergara (PINEAULT QUE)

TRANS WORLD RADIO

KTWR

GUAM

Faith cometh by bearing, and bearing by the Word of God.

Romans 10:17

Thanks to Marjorie Oakley

Tips and Topics

The Feature Section of SPEEDX

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

The Sound of Silence on WFAT, Pirate Radio

For 16 months, WFAT was lucid and merry on the AM radio dial - "Fat is where it's at." "This is the nation's most listened to pirate station." Then last weekend, the station was raided by Federal agents as the signal was going out loud, clear and illegally from Perry Cavallieri's bedroom radio station high up in the Marborough public housing project overlooking Coney Island.

Perry, who is 21 and has been addicted to radio since childhood, had to wake up his parents, and they said: What again? The Feds had come knocking the same way three years ago, when Perry and his friend and fellow dropout, John Calabro, were running another pirate radio station, WCPR, intruding from Perry's bedroom onto the same point on the AM dial, 1620 kilohertz, without benefit of Government license.

This time, the Federals were spotted down in the courtyard at 2 in the morning, working some sort of electronic tracking equipment. Right then, Perry and John were on the air as Larry McRae and Hal Hall, respectively, using their nom de mikes with the baritone glister that sounds rooted well west of Coney Island.

They were taking talk-show calls from as far away as New England, Ontario and West Virginia, an excellent range considering their Army surplus transmitter is rated as less than 100 watts. In fact, some of the New England pirates up there at WPRN had called to say the show sounded solid, even as the Feds were zeroing in.

One of the regular callers was on - Howie, a Brooklyn voice who always tells how much he detests disco music on other stations. He had a last chance to aver, "Rock 'n' Roll forever!" as Perry and John looked out and saw the agents come into the building. And so, from high atop Marborough houses, it was good night sweetheart. "This is it," one of them announced, "WFAT has to leave the air," the other added. They departed with Brooklyn toned anxiety edging out the cool in their carefully groomed Larry and Hal voices.

The Federal agents knocked and knocked while the two performers were cutting the 125-foot wire antenna running across the courtyard to the next building and hiding some of the tubes from their transmitter under Perry's bed. The scene sounded like Ensign Pulver and Mr. Roberts. When Perry opened the door, he found the agents very polite. "Good morning," one said. "You have a very nice sounding radio station," another said. "And he called Perry a 'bright and ambitious young man,' something like that," John, who is 18, recalled proudly.

They were surprised when the agents asked them to go back on the air, apparently so an announcement could be made to Federal monitors and the addict audience that another pirate station had been nabbed. Perry and John declined to produce the missing parts, so the FCC used the phone to tell their main office that WFAT was finished.

The FCC's current crackdown on pirates has been very effective, according to one addict listener who knows where to comb the AM and FM dials. This fan has logged two dozen pirates in recent years in the New York area, only to hear them disappear one by one. WFAT was the best lately, and the listening now is very thin, according to his log. WGOR ("Gorilla radio") popped on for a total of 46 seconds recently just to wave the flag amid the FCC campaign. WIST comes on occasionally on the FM dial with top 40 music from somewhere on Staten Island. And the three adenoidal amateurs at WPNJ (for Paul, Nick and Joe) come on unpredictably from what sounds like a Brooklyn garage to make pirate aficionados groan at their terrible sound.

But FAT radio was the cream lately because late night, call-in talk had disappeared from the AM dial and Perry and John had concocted a relaxed and professional sounding show to fill the gap.

Their act of piracy - learning how to build a station, tape-mixing their own jingles from canalized sounds of legal radio, setting up a safe call-in loop on third party test

phone lines used during the day by telephone installers - was no mere prank of rampant amateurism. It was as if a group of sandlot ballplayers broke into Yankee Stadium every night while the city slept, turned on the lights and the organ, donned big league uniforms, and played a regular schedule for 16 months, including post-game interviews and raking the field before departing.

The FCC's responsibility to police the air waves seems quite defensible, and pirates like Perry and John are not aggressive when they're caught. Perry has now received his second warning of a possible \$10,000 fine and a year in prison if he keeps it up, and he says he will live up to his promise to the Government to stay off the air. But he argues that pirates exist because commercial radio is so monotonous and rigged with canned formats and mass-market pandering. Standing in his bedroom with his equipment silent and cold, Perry says he was heartened by all the calls of good luck that kept coming in after the agents arrived last Sunday morning. "We believe the Government should open the air waves for people like us," he says. "It's a matter of free speech."

Much as he might be tempted, Perry says FAT radio is dead for him. But John just smiles and notes that, technically, he himself has never had his own bedroom station or been officially warned. "Let's just say I'll continue from where I left off," John says with some of that Hal Hall confidence bolstering his timbre. "Look for us in the future," Hall said over the air as the Federals were knocking on the door. FAT was where it's at. (This article is from the New York Times, April 21, 1979. It was written by Francis X Clines. The article was sent in by Craig Mellinger.)

Radio Broadcasting in French Indo-China

by Adrian M. Peterson

French Indo-China is the old name for an area in South East Asia which is now made up of four or perhaps three different countries. The more modern names for these countries are Cambodia (Khmer), Laos, North and South Vietnam. The total population in these countries is approaching 50 million people, and this area was ruled by the French for close to a century.

The four major cities in Indo-China, in the same order, are Phnom Penh, Vientiane, Hanoi and Saigon. The largest city, Saigon has a population of 2 million, the same as the entire country of Laos. The smallest capital is Vientiane with 150,000 people. On two separate occasions I have procured air tickets to fly into Indo-China. On both occasions, fighting between opposing forces in Vietnam came too close to Saigon, and I was unable to make the journey.

The first wireless transmitter intended for installation in Indo-China was a 150 Kw spark set manufactured in France. It was a LW station designed for ship-to-shore communication, and for Morse contact during the hours of darkness between Indo-China and Paris. The Paris station was FL on the Eiffel Tower. However, because of the events associated with World War I, the wireless equipment was never shipped to the French colony in Asia. Instead, in a re-allocation of war priorities, the French Government decided that the one high powered station on the Eiffel Tower was insufficient for service requirements, and so the station intended for Saigon was installed at Lyons in France. This station operated with utility traffic under the callsign YN.

Radio did not come to Indo-China until many years after the conclusion of World War I.

The first station erected by the French in Indo-China was a SW utility station which was installed in Saigon during the late 1920's. This station operated on the standard international utility SW bands, with an output of 12 KW. It was allocated the French callsign FZS. An additional transmitter installed in the early 1930's transmitted under the callsign FZR. FZS = French Indo-China, Saigon, and FZR = French Indo-China Radio.

In 1930, in line with the common practice of the times, utility station FZS was used experimentally for SW broadcasting. It was on the air for a few hours each Sunday, broadcasting mainly in French, using various channels within the standard international SW bands.

The MW outlet in Saigon, F31CD, was installed in 1932. It emitted 1 Kw on 840 kHz.

Just prior to the commencement of World War II, Radio Saigon began an international broadcasting service from its SW outlet. The rather curious station announcement used at the time was as follows:

"This is a special broadcast for the United States. We do not expect that many listeners in that country will hear our transmission, but we would appreciate reports to be addressed to PO Box 412, Saigon."

During the early part of World War II, and before Pearl Harbor, there was an increase of broadcasting activity on MW and SW from Radio Saigon. However, Saigon was still the only location in Indo-China which possessed a radio broadcasting station.

Radio Saigon was used by the Japanese for about four years, during which time it was heard frequently in Australia, carrying POW messages.

Immediately after the war, Radio Saigon was re-habilitated, and recommenced its French, English, and regional language services on MW and SW.

It was in June 1947 that I logged MW Radio Saigon from South Australia. The 1 Kw outlet was operating on 1050 kHz. I was the first DXer in Australia to hear Saigon on MW, and I sent a reception report. However, because I was not yet working and had no income, I sent the report by boat mail. Other DXers, on becoming aware of this DX tip, also logged the station and sent reports, but by air mail. Consequently, by the time my report was received in Saigon, it was not the first they had received. However, the red and black QSL card, my 218th QSL, is indeed valuable and historic.

In the late 1940's, the French authorities in Indo-China installed several radio broadcasting stations in regional areas. These were all lower powered, and generally only on SW. A list for 1949 shows the following stations:

Annam	SW 1 Kw			
Dalat	SW 1 Kw			
Dongphatmuoi	SW 1 Kw			
Hanoi	SW 1 Kw			
Hue	SW 1 Kw			
Phnompenh	SW 1 Kw			
Saigon	SW 12Kw	MW	2 Kw	1050
Vinh	SW 1 Kw			
Vientiane	SW 1 Kw			

At about 1950, two networks were operating in Indo-China. One was the French system, known as Radio France-Asia, and the other was the regional system, operated by the various regional language authorities. By this time, 5 of the regional stations had been closed, leaving just 4 on the air. In Saigon, the French used the 12 Kw transmitter, and the Vietnamese on 1 Kw, both on SW.

When the French left Indo-China in 1954, the broadcasting services in each area were taken over by the local authorities. Consequently, the continuation of the story of broadcasting in Indo-China must now be taken up under the heading of each individual country.

SOUTH VIETNAM

The South Vietnamese authorities in 1954 took over France-Asia in Saigon which by this time had been upgraded to 25 Kw. All radio outlets in Saigon were allocated callsigns in the 3WT series. For example, the 5 Kw outlet on 1090 kHz was designated as 3WT16. There were regional stations on SW and MW, at Dolat and Hue, and all 4 transmitters had an output of 1 Kw each. It was at this stage that the radio system in South Vietnam became known as VTVN, VO-Tuyen Vietnam.

During the mid-1960's, about a dozen new radio stations were installed in country areas of South Vietnam. The highest powered of these MW stations were 100 Kw at Hue and Banme-thuot. The higher powered stations were grouped together as Regional Stations, and the low powered stations of 50 Kw each were designated as Provincial Stations. Most of these stations were later upgraded to 100 Kw outlets.

A 50 Kw SW transmitter was installed in Saigon in 1960, and at the same time, a small 200 watt transmitter at Nhatrang, for use on SW in parallel with the MW outlet. The large 200 Kw transmitter was installed in the mid 1960's.

In the early 1970's, a powerful MW station of 200 Kw was installed near Hue and designated as the "Voice of Freedom". It broadcast on 650 kHz.

In 1975, when South Vietnam was taken over by North Vietnam, all stations in the south were taken over by the northern authorities. In Saigon, the MW and SW services were re-designated as "Liberated Radio Saigon". Currently, most of the earlier stations

are still on the air, under the network direction of the "Vietnam Radio and Television Commission" in Hanoi.

Both the American and Australian armed forces in South Vietnam erected a chain of radio stations for information and entertainment. It is understood that the Australian Army Amenities Service operated some five low powered MW stations in South Vietnam during the late 1960's and early 1970's. No further details are known about these stations.

The American Forces Radio and Television Service erected and operated 30 or more AFRTS stations. These installations ranged in power from 100 Kw down to 50 watts. The key station, with studio facilities was located in Saigon, and operated with 50 Kw on 540 kHz. There were also 4 FM outlets in Saigon operated by AFRTS, one of which was rated at 100 Kw and emitted on 99.9 MHz. This transmitter is currently in use by the Vietnamese authorities as a time and music station. The many other AFRTS stations operating in South Vietnam were located in all areas where there were US troop concentrations. Some of these stations survived the overrunning of South Vietnam, and may be in current usage.

Another station of interest located in South Vietnam was the MW VOA relay of 50 Kw, which operated for 11 years on 560 kHz. The equipment for this station was housed in 3 transportable vans. It was flown in to Hue, and became operational on July 14, 1964. On January 30, 1968, VOA Hue was put off the air by North Vietnamese action and the 3 US and Filipino engineers were captured. However, the engineers were later released and the station was re-activated three months later on April 17. In March 1975, during the re-unification offensive, VOA Hue was abandoned. Two years later, it was re-activated by North Vietnamese engineers, but, because the equipment is old and parts are not available, the station is probably not now functioning.

NORTH VIETNAM

The first radio station located in what we now call North Vietnam was erected in Hanoi by the French authorities in 1948. It was established as a regional station, known as Radio France Hanoi. This station was a SW outlet with the modest output of 1 Kw. Programming was in French, Chinese and Vietnamese.

In 1955, when the French left Indo-China, the North Vietnamese authorities assumed the control of the Hanoi regional station, which then began to operate as the "Voice of Vietnam." At this time it would seem that the Hanoi utility station was pressed into broadcast service. This station at the time probably had two or three transmitters of 10 Kw. Broadcast programs were radiated on mainly utility frequencies. A MW outlet was installed at about the same time.

Two additional MW outlets were added to Radio Hanoi about 1969.

Regional stations were erected at Tay Bac and Viet Bac about 1973, and soon afterwards at Tay Nguyen. These outlets all operated on SW, all on lower power, and probably about 10 Kw.

Currently there are 4 MW stations in Hanoi and one each at Tay Bac and Tay Nguyen. On SW, there seem to be about 8 transmitters broadcasting home service programs on SW, and two, or some times three, transmitters carrying the external service.

The Vietnamese Radio and Television Commission as it is now known also relays its programs through some of the transmitters in Saigon which are still on the air.

CAMBODIA (KHMER, KAMPUCHEA)

The first radio station located in Cambodia was the SW regional of 1 Kw established by the French about 1948. Additional SW transmitters of 10 Kw and 50 Kw were established at Phnom Penh in 1956 and 1966.

The first MW outlet, of 10 Kw, was installed in Phnom Penh in 1956, and this was upgraded to 20 Kw in 1961 and 120 Kw in 1966. This latter transmitter is probably of Chinese manufacture. MW regional stations of 5 Kw or less were installed in Bokor, Kompongson and Baltambang about 1974.

LAOS

Likewise, the first radio station located in Laos was the SW regional station of 1 Kw erected by the French about 1948. Although Laos has a population of about only 2 million people, yet it has more radio stations in proportion to its population than any of the other countries in Indo-China.

The 10 Kw SW transmitter was installed in Vientiane about 1961, and the 25 Kw about 1969.

The first MW transmitter was established in Vientiane about 1960. This was upgraded to 10 Kw in 1969, when 3 other lower powered stations were also installed. Regional stations in 7 country centres were established at about the same time. Most of these are SW outlets, though 3, at Luang, Prabang and Pakse also operate of MW.

Currently, there seem to be 17 broadcast transmitters on the air in Laos, operating on SW and MW, and from Vientiane as well as from 7 regional centres.

DX-300

by Greg Watts

I purchased my DX-300 from a nearby store's in-stock shelf. I was intrigued by the possibility of reading frequencies directly with the digital meter, and based on the review by Steve Kennedy in the October, 1978 SPEEDX bulletin, I expected superior performance. As will be shown, the performance was good but with a few drawbacks.

The sensitivity of this rig is super - so much so that crosstalk from adjacent channels and from Rf harmonics can be a serious problem. The main "MHz" tuning dial is the critical element here. There is one end of its range which allows good reception of the actual signal, and the other end of its range within a MHz band will favor the spurs and harmonics. My set works best when the MHz dial is turned almost out of the band as you go clockwise. The kHz dial works beautifully, and seems to be even more accurate than indicated by Mr. Kennedy. By using the USB mode and zero-beating going up, the AM stations can be determined to 1 kHz up to about 25 MHz, and within 2 kHz from there.

This super selectivity has a major drawback, in that the QRM, spurs, and harmonics can almost drown a fairly strong station. To overcome this, one must use the attenuator. However, the attenuator only works when the Coax antenna connector is used. This connection is a must if using a tuned antenna, but even with a random length wire a connection via a piece of RG-58U coax will provide the necessary impedance while enabling the attenuator circuit. Connect its shield to receiver ground, and that to earth ground. I found that 20 DB attenuation was fine when needed. -40 dB was too much. Local MW stations were just too strong, and there were so many harmonics of everything in this band that -40 dB was ineffective. The best way to receive these stations with this radio is to disconnect all external antennas and use the internal loop, and at the same time cut the rf gain back to about half maximum.

The preselector works beautifully. The tuning is very fine so that except when receiving fairly strong stations, the setting had to be exact, or at least very close. Off-tuning the preselector will allow spurious signals to predominate.

The Realistic DX-300 is an excellent receiver for the \$400 it cost. It is not a good choice as a beginner's first receiver because of the manual sleight-of-hand needed to tune it properly. But the SWL who has some knowledge of the elements involved in these difficulties should find that the digital frequency readout is a feature which far outweighs the difficulties. On a scale of 1 to 10, give this one a 7 or 8.

SHORTWAVE RADIO? WHAT'S THAT?. . .by Steve Willie. . .Sometimes I am amazed to find that so few people have ever heard of shortwave radio, and yet, it was only about 15 months ago that I first heard of it!

Many people ask me, "What kind of a stereo system do you have?" I tell them that I have found something a lot better. They look at me like I'm crazy, and say with a mock tone in their voice, "Oh yea?! What's that?" I reply, "Radio." They now know that I'm crazy and ask sneeringly, "And what do you listen to on your little ol' radio?" "Well," I begin, "take last night for example. There was a really good program from Ecuador, you know, Radio HCJB. . . I think it was in the 19 meter band at about 15115 kHz. Then, if I remember right, there should be a program for DX'ers on Radio South Africa. . ."

"Wait a minute!" they bellow. "What do you mean - Ecuador, kHz, DX'ers, Africa - what are you talking about?!" Behold, the DX bug bites again!!

So, instead of a huge stereo setup, I have a DX-40, TW-2000, RF-2800. . .

WARC-Third World

Representatives from South American developing nations sat down in Panama recently to rehearse their roles for the world's mammoth radio talk-in later this year. The meeting in Central America is one of three organised by the International Telecommunication Union (ITU) to help prepare the world's less developed countries for the World Administrative Radio Conference (WARC) in Geneva in September. WARC will last for 10 weeks and thrash out frequency allocations for the world's radio services - the first time since 1959 that the whole of the frequency spectrum has been examined in this comprehensive fashion. Decisions made at WARC should be binding for the next 20 years.

Last month ITU organised a meeting in Nairobi for the developing countries of Africa, and the nations of Australasia will have their own gathering in Sydney in April. One reason why the 150-nation ITU, a specialized agency of the United Nations is taking the trouble to organise the meetings is that some of the world's industrialized countries are worried about the outcome of WARC. In some of the "mini-WARCs" that have taken place in recent years (which have allocated frequencies in small parts of the spectrum) the less developed countries have exerted their influence to the detriment of the richer nations.

For example, some of the poorer countries have insisted that they have a right to satellite broadcasting space, even though they don't yet have the technology to launch satellites. This "dog-in-the-manger" attitude has also been manifested by land-locked nations pressing for frequency space for ship communication. Such demands mean there is less frequency space for the developed countries at a time when the demand is increasing as radio communications become more important. Much of the Western world hopes that the series of preparatory meetings for the poorer countries will explain the issues at stake and possibly dampen down the less developed world's demands.

The September meeting could, in theory, reallocate the whole of the radio spectrum. But this is unlikely to happen because of the great traumas that would result for radio manufacturers and users. But an indication of the trouble that could be caused comes from the wavelength changes recently forced on the BBC. These were made as a direct result of decisions made at a "mini-WARC" in 1975 on broadcast radio services.

The agenda for the September conference will be arranged so that most of the changes are recommended by small working groups, in which it is hoped that there will be plenty of opportunity to agree on policies without too much wrangling.

There could be four controversial areas at WARC. First there will be arguments over use of frequencies in the "high-frequency" band (3-30 Mhz). This is used by many poorer nations for fixed point-to-point communications links. The richer nations have largely outgrown such links because of a greater accent on wired telephone systems. Moves to reallocate some of the space in the HF band for radio broadcasting from one station to many receivers, an activity much more important to the developed world, may be resisted by the Third World.

A second area of controversy is in the ultra-high and very-high-frequency bands (30-300 Mhz). This is more a regional problem within countries, because signals sent in these bands travel only short distances. Some countries will want space in this area for mobile radio systems, which involve one station broadcasting to receivers in vehicles. This use is rapidly increasing in many nations but this move will be resisted by those countries more interested in station-to-station broadcasting.

Disputes can also be expected about satellite broadcasting. The richer, more technically able countries may be told to "move out" of the 4-6 GHz satellite broadcasting band and leave it to the rest of the world. The argument is that the richer nations should concentrate on the higher frequency 11-14 GHz band, leaving the lower frequency band, which requires less advanced technology to the poorer countries.

The final area of controversy is likely to involve not a particular frequency band, but the allocation of these uses within each frequency band. The International Frequency Regulation Board allocates these uses on a "first come, first served" basis. This means that the Western nations, which were the first in the field in radio communications, have the bulk of the frequency space. As a result, there is some pressure to change the workings of the IFRB. For example, the whole of the frequency allocations could be erased from the boards' records and a completely fresh start made. (From New Scientist 29 March 1979. Sent by S. Proom.)

HCJB'S NEW ANTENNA SYSTEM

In recent years, the list of stations operating on the international shortwave frequencies has been growing steadily. Already faced with variable sunspot activity, international stations must now deal with the resultant spectrum crowding problem. The situation for many stations has been further complicated by greatly expanded language services. While some relief may come from the WARC, stations around the world have been making changes in their operations to take the programming strain off their staff. At the same time, they've been looking for technical improvements (other than taking super power as the only answer) to find a means of consistently reaching their listeners.

For more than 40 years, international shortwave listeners have been accustomed to easily picking out HCJB, "the voice of the Andes." But while these listeners seldom realized it, since HCJB's first broadcast from Quito, Ecuador, the station has been a leader in international shortwave equipment and antenna design. And now they're on the verge of pouring their RF into a unique antenna system that will make their whole operation more flexible, efficient and consistent.

HCJB engineers, constantly upgrading the station, are now at work on a steerable antenna that will allow them to shift their signals from continent to continent. At the same time, this new antenna will provide extremely high gain. Designed for operation in the 49, 31, 25, 19, and 16 meter bands, HCJB's horizontally polarized steerable antenna will give them from 19 dB gain at 49 meters to 25 dB gain at 16 meters. What's more, this design will have multiple program handling capability. It will take up to four programs at the same time, with a power capability that could accept RF from four 500 kw transmitters.

The steerable system features two mobile feeds on a circular track for the wide target areas, and two or more fixed feeds for narrow target areas. The beam direction on the mobile feed is variable over a 120-degree arc, with a beam width of 15 degrees at 16 meters and 30 degrees at 49 meters. The final operating design may include several other feed radiators inside the one massive reflector. According to the current design, the mobile feed radiator will shift the HCJB beam direction from North Africa up to Europe, the Soviet Union, North America on to the other side of the world for the Far East and the Philippines.

To get an idea of the size of this system, the central antenna support tower is 127 meters (417 feet), while the base of the reflector is 169 meters (555 feet) wide. Together with all towers, reflector and supporting guy lines, the HCJB steerable antenna will occupy about 6 hectares (15 acres) of land space.

Like many international broadcast stations, HCJB maintains a true antenna farm. Due to shifting conditions, these stations need the flexibility of operating on more than one band. Caught in the crunch of overcrowded bands, some international shortwave stations have even opted for operating outside the limits of the international shortwave bands.

Currently HCJB is using 19 antennas at their Pifo site 24 kilometers (15 miles) east of Quito. These antennas range from 24 to 73 meters (80-240 feet) high. These are curtain antennas, except for an array of four stacked six-element quads for 13-meter service to Europe, and a colinear dipole for 49 meter regional service.

Due to their diversity of services, HCJB operates from two transmitter sites. The 50 kw primary medium-wave transmitter and a 5 kw FM-stereo transmitter, which carry local programming, are planted 914 meters (3000 feet) above Quito on the slope of a 4794 meter (15,728 foot) dormant volcano. The main transmitter site is a Pifo, which is at an elevation of 2,610 meters (8563 feet). At the Pifo site they operate three 100 kw, two 50 kw, and two 30 kw shortwave transmitters, and a 30 kw medium-wave standby transmitter. They are planning now to add a 500 kw shortwave transmitter next year.

Powering up all these transmitters and facilities is now easy task. Power for the Pifo site is generated at their hydroelectric plant located on the eastern slope of the Andes mountains. At the Pifo site they have three diesel generators which can produce 1.2 MW. In Quito, the power is supplied by the local power company backed up by an HCJB standby diesel generator.

At the HCJB studios, multiple-language programming and broadcasting have made great demands on the staff. But typical of their management operation, the station is moving ahead here, too. The HCJB traffic and operations department is operating a lot more

efficiently these days on the strength of automation. With more than 65 hours of daily programming in 13 languages, program flow has been a major challenge, but now even more relief is on the way.

Earlier this year HCJB's new program automation system went into semi-automatic operation. The new system, called Program Automation Control System (PACS), has expanded and refined their programming capabilities. PACS now doubles the number of audio programs (from four to eight) that HCJB can originate simultaneously. An added advantage is that this facilitates better system maintenance through redundancy. According to HCJB, PACS helps them produce a much smoother audio program flow and control through such features as automatic silence monitoring of program lines, complete automatic gain and limiting, and automatic manipulation of system tape decks and audio switching. The operator can control the system with a minimum of button-pushing.

All audio switching is accomplished with MOS analogue multiplexer chips. Program-to-program fading is handled by an electronic fader, built around a four-quadrant multiplier chip. The present semi-automatic control system is implemented with TTL series 7400 digital logic. When completed, the final and highest level of system operation will employ microprocessor technology. Once under total computer control, the TTL semi-automatic control will act as a backup system. Full computer control of PACS will include such features as computer maintenance of the program schedule and automatic computer response to program line conditions such as broken tapes, miscued tapes, and running the wrong tapes. HCJB expects their full program computer operation to be completed during the first quarter of 1979.

Further upgrading of the HCJB technical operation is taking place in the studios, where they have recently installed a number of new audio consoles. And they also are working on improvements for their studio-to-transmitter link system.

The upcoming World Administrative Radio Conference will have to deal with the shortwave spectrum-crowding problem. And there may be some relief for international broadcasters when the conference is concluded. But meanwhile, HCJB's answer to their reception problems is their steerable antenna. When completed, the added gain it will deliver should improve their reception reports, especially on the long-haul routes. By early 1979, the steerable antenna and most of the HCJB modifications should be completed, delivering more consistent signals and smoother programming for "the voice of the Andes." (Jim O'Brien sent this article from the October 1978 issue of "Broadcast Communications" which was written by Ron Merrel.)

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THE VOICE OF TURKEY. . . The first 20 kw shortwave transmitter was installed on the instructions of Kemal Ataturk, the Founder of the Republic of Turkey, as a means of communication, of sharing art and culture, and as a bridge of international friendship and understanding. Its installation was completed on July 22, 1938, and test transmissions commenced the same day.

The first foreign language transmissions were in English, French, German, and Italian.

The completion of test transmissions and the commencement of normal transmissions coincided with a saddening event: the death of Kemal Ataturk on November 10 1938. The deep grief of the nation at their loss was thus the first news aired by the new shortwave transmitter.

This was the first shortwave transmission of Turkish Radio, and the Voice of Turkey of today has its roots in that humble, yet meaningful beginning.

In 1950 a 100 kw transmitter was added to the existing 20 kw transmitter - raising the volume of the Turkish Voice! In 1972 this power was doubled. The 20 kw transmitter was replaced by a 250 kw transmitter which enabled the world to bear the Turkish Voice very clearly.

In 1978, the Voice of Turkey had four transmitters which is their bridge to international friendship and understanding. (Sent by A. Buhagiar)

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CKFX. . . by Mike Chinakos. . . Gene Kern, broadcast Engineer of CKFX in Vancouver, B.C., informed me recently that the power output of CKFX is 10 watts using a 40 foot untuned vertical antenna. CKFX is a simulcast of CKWX - an AM broadcast station in Vancouver. Mr. Kern also told me that they hope to have a FM outlet on the air by this fall with the call letters CJAZ. The FM station will broadcast nothing but jazz music!

PIRATE RADIO STATIONS HAVE FCC ON THE RUN. . .The "Falling Star Network" keeps rising from the ashes, but the Federal Communications Commission (FCC) would like to topple its antennae for good. The "network" is believed to be a group of pirate radio operators based in New York. Two years ago, the FCC got a line on one of their stations, WCPR, out of Brooklyn. In a raid, the FCC managed to cut off the station mid-broadcast.

"There are probably thousands of pirate radio stations throughout the United States," said Jeffrey Young of the FCC's chief investigation branch here. But the FCC only shuts down "maybe six to 12 a year." In Europe at times pirate stations have verged on being big business. But in this country, with a few exceptions, they are run by young people having fun.

Using what looked like military surplus equipment, a group of teenagers ran WCPR from a high-rise apartment building, according to Alex Zimny of the FCC's New York office. The station broadcast hard rock from a frequency just above the regular AM band, which Zimny said is reserved for maritime navigational purposes. Operating without a license carries a stiff fine of \$10,000 or one-year imprisonment, but since most radio pirates are teenagers, the FCC gives out a lot of warnings, said Young.

WCPR is gone, but the FCC believes it left a legacy. WFAT and WGOR are still on the air (at the time this article was written) from Brooklyn and have eluded investigators for years. Zimny believes there is a connection between the three. It may be that all are members of the "Falling Star Network" with its disc jockeys - Ron Radio, Arty Media and Mike Cipher. Some of these pirates call themselves "free speech radio," and Zimny translates this as "obscene." On an average of once every two months, the FCC gets complaints about WFAT and WGOR, but none of the tips seem to pan out.

WFAT, which became WICE during the January 1978 freeze in New York, uses a liberal talk show format. It seems to steer clear of political issues. For instance one caller asked: "Why don't you talk about anything important? You jerks. Don't you believe in freedom of speech. You're trying to sell out to the FCC. Why did you start the program?"

Most complaints about the pirates come from people within the broadcast industry. KDOR out of Hollywood is an example. (This station has also ceased broadcasting.) The FCC has been trying to "ease out" KDOR's manager since 1976. According to Lawrence Guy of the FCC's Long Beach office, KDOR's manager is confined to a wheelchair and has developed a sympathetic California audience over the years. "If we really want to get nasty, we could take these cases to the US attorney," said Young. Instead, the FCC has "encouraged" KDOR's manager to channel his interests into amateur radio clubs. "We don't let our emotions get in the way of our investigations," Guy said. But he added: "I'm sure some of our investigators feel some sympathy toward him." KDOR did apply for an FCC license, but, as officials here say, licenses are expensive and the requirements are strict. KDOR however, is ambitious, and Young says the manager now has a staff and is selling advertising. The format, according to some listeners, is rock with oldies and some Arabic programming.

FCC investigators are combing the country with their directional finders in search of more pirate stations. But Young says it is not an easy job since most stations broadcast sporadically. The stations, of course, would rather not be found. PRN, the "Pirate Radio Network" broadcast that it was "located somewhere in New England. Even we don't know where we are."

It took the FCC two years to find a St. Paul, Minn., pirate who broadcast on an outer band shortwave frequency. Investigators were in the field when he was in school, and in the office when he was broadcasting. WCPR is credited with originating "Foxworth theory of phone hookup," although the St. Paul station used it, too. This allows enthusiasts to call in throughout the country for their listening pleasure. It is illegal by FCC standards. (From the Spokesman-Review, January 27, 1979 sent by Russ Haddin)

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ARE RUSSIANS TRANSMITTING WIRELESS ELECTRICITY? . . .Have the Russians learned how to transmit electric power without the use of wires? For months now, some mysterious Russian radio signals have been disrupting worldwide communications, and a number of Canadians who have been monitoring the signals are speculating that the Russians may have accomplished that feat. Among the theoretical applications of the transmissions, they say, are weather modifications and use as a weapon to literally shake things apart.

Although the Canadians have now proof that the Russian signals involve transmission of electrical energy, they contend that the Russians may be experimenting with a process developed by Nikola Tesla, a Yugoslav inventor who died in 1943. Tesla in 1900 proved

that the Earth could be used as a conductor of electricity and would be as responsive as a tuning fork to electrical vibrations of a certain pitch. His experiments succeeded in lighting 200 electric lamps from a distance of 25 miles without wires. Some use was made of his process for many years in Canada. Tesla gave a number of possible uses for his equipment, including power transmission, geological exploration, national defense and weather modification.

According to persons knowledgeable about Tesla's theories, weather modification would be accomplished by regulating the movement of electrically charged particles in the upper atmosphere, resulting in changes in the jet stream. Much of Tesla's work was never completed but his ideas remain in his notebooks on file in Belgrade.

Fueling the Canadians' speculations is the report that an unidentified Soviet scientist spent several months in Quebec occasionally interviewing Tesla's last known living assistant, Arthur Matthews.

Questions concerning the possibilities of the Russian experiments were brought to the Canadian Department of Communications last winter by Andrew Michrowski, who had been working on the question of resurrecting Tesla's experiments as a means of helping alleviate some electric energy problems in eastern Canada. W.W. Scott, director of operations at the department, said that after Michrowski's request for help, the department was asked to analyze the Russian signals.

By this time, however, the Russians, in response to complaints from other European governments, had begun to limit the duration of the transmissions that were causing the interference.

US scientists working with the Canadians seem to give credence to the view of what the Russians may have achieved. One of them is Andrija Puharich of Ossining, NY. Puharich said the Canadians listed for him the frequencies on which they were hearing the Russian transmissions. "I took the actual frequencies the Canadians sent me and just worked backwards and came out with the Tesla frequencies," he said. Puharich insists that there is no proof yet that the Russians have perfected what Tesla began. But he would not rule out the possibility that the Russians may be using Tesla's theories for weather modification. "I think they have a lot of reason to do it," Puharich said, pointing out that the Russians would like to push their cold, arctic air mass elsewhere - perhaps toward America - and increase their own agricultural growing season. (This article was written by Stephen M Aug for the Washington Star and sent in by Robert Zilmer.)

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CONTRIBUTIONS: Tips and Topics is actively soliciting good, well-written articles typed in manuscript form for inclusion within future columns. According to letters sent to me by members, most of your comments make it clear that you are highly interested in technical articles. Therefore, I would be interested in receiving technical reviews in the areas of receivers, antennas as well as new products that will aid our listening pleasure. Thank you.

ANNIVERSARY: SPEEDX is eight years old this month. We should be proud of our achievement. In this time, SPEEDX has grown into a major shortwave listeners club offering a huge variety of services. But all this could not have been accomplished without you - the membership. The number of members who actively contribute each month to SPEEDX far exceed those of any other shortwave listeners club within the United States. An organization is only as good as the people who belong to it and SPEEDX proves this to be true. Keep it up and you will be sure SPEEDX will still be around in eight more years.

ELECTIONS: Elections for a new SPEEDX Board of Directors will soon be upon us. Therefore, I urge all full members to take the time and responsibility to vote. It is your club - make it work for you!!!

SASE: I want to thank all those members who have included SASE's for replies. And I want to remind the rest of you that if you wish a reply from me to a letter or to confirm that I have received your article, please include a self addressed stamped envelope. Postage costs are very high today and your doing this will be highly appreciated.

HOLIDAY TIME: By the way I will not be seeing this column until August because for the month of July I will be a roving shortwave listener in Europe. If I have some time, I will tune the dials to see what is to be heard in that part of the globe. I will definitely visit some radio stations and possibly get several articles out of the deal. Well, have a nice month of Independence. I remain, 73's, Arthur

Arthur

JULY CONTRIBUTORS
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Each name is preceded by a number, indicating how many SPEEDX columns you contributed to this month. An * preceding a number indicates credits given for the previous month. Credits other than SWBC/QSL/UTE/SKEDS are recorded by the Membership Chairman. Inquiries regarding credits should be sent to: Vera M. Crable, 5114 N. 17th St. Coeur d'Alene Idaho 83814 USA. PLEASE enclose a SASE for a reply. TNX you nice people for reporting. VMC

*5 ALEXANDER, BRIAN	PA.....RF4900	*3 HAUSER, GLENN	TN.....FRG7
1 ALEXANDER, ROD,	IA.....SSR1	3 HENSLEY, BAXTER	TX.....SX190
*1 AMELIO, TOIA	ITALY...SAT2100	*1 HILL, NORMAN	VA....ICF5900W
*4 AUDETTE, DAVID	MA.....SW717	3 HINTON, JERRY	TX.....AR3
1 BAKER, BRIAN	IL.....FRG7	*3 HODSDON, THOMAS	MN.....FRG7
4 BEEMAN, BILL	OH.....RF2800	2 HOFFMAN, CHARLES	PA.....FRG7
1 BENJAMIN, LORENZO	CA.....SX190	2 HOLBROOK, HANK	MD.....SP600
*3 BLAIZE, SANDY	LA.....51J3	*6 HOLMES, GEORGE	CO.....RF4800
*5 BOEHM, JAMES	TX.....FRG7	*3 HOOK, JERRY	FL.....DR22
3 BOWER, RONALD	TX.....PORT	3 HOPKINS, JEFF	PA.....DX160
2 BRATLIE, ALLEN	MN.....DX160	*1 HOWARD, RON	CA.....SB310
1 BRICK, GEORGE	TX.....NC88	2 HOWELL, JOE	CA.....DX160
*1 BROOKWELL, LARRY	CA.....DX300	*4 HRIVNAK, DONALD	IL.....FRG7
4 BROWN, NATHAN	IL.....FRG7	1 ISHII, ICHIRO	JAP....RP2200F
*5 BYRON, LESLIE	NY.....PTL9	*2 JONES, JACK	MS.....DX150A
1 CARRIER, DAN	VA.....FRG7	1 KANA, JOHN	GA.....R390A
*5 CEREGHIN, JOHN	MD.....AR2	2 KASPRZYK, EMIL	TX.....R4C
1 CHABAK, MIKE	AZ.....HQ180	*3 KAUFMAN, MALCOLM	NY.....RF2900
*4 CHINAKOS, MIKE	WA.....FRG7	*1 KAVALESKY, EDWARD	OH.....SPR4
*3 COLEMAN, BOB	MA.....RF2800	1 KEMP-BLAIR, KEN	CA.....FRG7
1 COLGAN, RICHARD	TX.....FRG7	1 KERRIGAN, PATRICK	IL.....FRG7
1 CONSTANTINIDES, C.	S.AFRICA...XCR30	1 KOREKE, PAUL	VA.....DX300
1 CONWAY, PETER	MALAWI....51J4	1 KUSALIK, EDWARD	ONT....R388
*1 COOK, DAVID	CA.....FRG7	1 KUWAYAMA, MKIO	JAP.....FRG7
*1 CUCURA, VLADIMIR	PA.....FRG7	*2 LARSON, EVELYN	NE.....KH5000
4 DAVENPORT, BILL	TN.....DX160	*5 LATTEMANN, JACK	WA.....RF2800
3 DAWSON, ARCH	CA.....SPR4	2 LAZARUS, HENRY	LA.....SX190
2 DEKEYSER, LUCIEN	CA.....FRG7	1 LEDLOW, LARRY	NY.....FRG7
*1 DeKOYER, RICHARD	NJ.....RF4900	*3 LEEMAN, JOSEPH	RI.....FRG7
1 DENNIS, AMEL	IN.....SX190	*4 LOBBELL, CHRIS	MA.....FRG7
1 DEVENDORF, J.C.	CA.....SPR4	1 LORZ, LAWRENCE	NY.....FRG7
3-DIECKMANN, M.	MO.....DX160	1 LOWE, DEREK	AR.....FRG7
*3 DILK, JOHN	NJ.....DX160	3 LUCAS, RICHARD	CA.....DX160
*6 DONLY, BOB	SC.....EDY8302	2 MacCOLLUM, MIKE	IN.....FRG7
1 DRAKE, ?	WA.....?	1 MATTHEW, RICK	BC.....R1530
*1 DUPREE, JAMIE	MD....ICF5900W	1 MAISE, CLARENCE	LA.....FRG7
2 DURAN, RICHARD	NJ.....DX300	*1 MARTIN, GENE	RI.....DX160
5 DURNAVICH, CARL	IL.....RF2800	1 MASON, "SANDY"	ONT.....FRG7
*4 EARHART, KEN	PA.....SX190	4 McCURDY, TIM	CA.....FRG7
3 EWING, DAVID	IL.....FRG7	2 McNALLY, DAVID	CA....ICF6700W
5 FALLOWS, JOHN	ONT....ICF6700W	5 MELLINGER, CRAIG	NJ.....FRG7
*4 FAMULARO, RALPH	NJ.....RF2800	2 MIKELL, KEVIN	IL.....RF2200
1 FEMYER, MIKE	AZ.....DX160	*6 MILLER, BILL	CA.....DX160
*3 FINDLATER, JOHN	CA....FRG7000	*4 MOORE, DON	PA.....XCR30
*4 FISHER, JOHN	MA.....GPR90	5 MORAN, JAMES	PA.....RF4800
1 FITZGERALD, JOHN	RI.....R300	*3 MORRISON, LEWIS	NC.....KY200
*4 FORBES, LEWIS	TX.....FRG7	3 MUNSTER, RALF	GA.....RF4800
*2 FORSMAN, STAN	CA.....R392	1 MURPHY, ERNEST	CA.....FRG7
*1 FOWLER, GARY	ONT.....SPR4	3 NAYLOR, SPENCE	CA.....FRG7
1 FRANZIS, PATRICK	CT.....DX160	*2 NOLDEN, PHILLIP	CT.....SPR4
*5 FRASER, ROBERT	MA.....XCR30	*1 NOTO, YOSHIYUKI	CA.....RF2200
1 FRENCH, ROBERT	MD.....S108	1 NOVAK, RICHARD	CA.....RF2800
*5 GAEDE, ALLAN	CA.....R390	1 NOVELLO, JAY	NY.....RF2800
*1 GAVARAS, TOM	MN.....HQ180	*6 OAKLEY, MARJORIE	CA.....FRG7
1 GELFAND, STEVE	NY.....NC183D	1 OLIVER, WAYNE	MA.....FRG7
3 GEORGE, CHARLES	TX.....SSR1	*3 OSTERBERG, DAVID	MI.....RF2200
*1 GETZEL, ART	NY.....RF4800	1 OSTERMAN, FRED	OH.....HQ129X
2 GOETZ, GREGG	MI.....DX160	*1 OTTOWAY, ROBERT	CO.....FRG7
1 GONZALES, GARY	CA.....FRG7	2 PAGANO, FRANK	DC.....RACAL
1 GRANONE, PAUL	NM.....FRG7	2 PAVELKA, JOHN	NY.....DX160
4 GRENIER, PETE	CA.....FRG7	*1 PECENKA, JOSEPH	IN.....XCR30
*6 HARRINGTON, ROB	CO.....DX300	1 PETERS, DAVID SR.	KY.....R390A

*3 PETERS, MIKE	MAN.....R4B	1 SPARKS, WILLIAM	CA.....R4B
*5 PETTIT, LANI	IA.....RF2800	1 STEIN, RICHARD	NJ.....FRG7000
3 PHILLIPS, TERESA	CT.....RF2200	1 STOCK, LEONARD	NY.....FRG7000
1 PINEAULT, ANDRE	QUE.....FRG7	*5 STONE, WILFRED	ONT.....SX190
*3 POKATILOFF, RON	IL.....SSR1	4 STROH, EDWARD	IL.....SPR4
1 POOLE, GREG	GA.....R390A	1 SWENSON, LELAND	WI.....TRAN-0
1 PORTZER, BRUCE	WA.....FRG7	*2 TANNENWALD, LEON	NY.....SPR4
*4 PROOM, STEPHEN	ENG.....SAT3000	*4 THOMPSON, GLENN	NM.....FRG7
1 PYNE, PAGE	MD.....FRG7	*6 THOMPSON, PEGGY	CA.....FRG7
*4 RICHARDSON, KEN	AZ.....HQ129X	*3 VALENTINE, FRED	CA.....RF4800
1 ROGERS, WESLEY	ONT.....SX190	*4 VRANES, ALEX	PA.....FRG7
4 ROSEWARNE, ALLAN	CA.....FRG7	1 WAGNER, LAWRENCE	PA.....DX160
*4 RUDOLPH, WILLIAM	AL.....RF2200	1 WALCUTT, DAVID	TX.....R4B
1 RUSSELL, GARY	IL.....SSR1	1 WALTERS, JOHN	NJ.....R1530
3 RZEPKA, ROBERT	WI.....RF2200	3 WAMPLER, MICHELLE	VA.....R4C
*3 SANDERSON, JOHN	AZ.....DX160	1 WHITEHEAD, JIM	MA.....SX190
1 SAVAGE, JAMES	CA.....RF2800	3 WILKINSON, GEORGE	MAN.....FRG7
4 SAYLOR, BRETT	PA.....DX160	3 WILLIOW, STEVE	AZ.....RF2800
*4 SCHROEDER, ARTHUR	WI.....DX160	1 WIRRELL, BOB	MA.....FRG7
*5 SCOTT, THOMAS	OK.....ICF6700W	*6 WITTE, MARJORIE	CA.....FRG7
3 SELLERS, HAROLD	ONT.....RF2800	*3 WOLTMAN, FRANK	WI.....FRG7
*1 SHRIDHARANI, V.	NY.....FRG7	*5 WORREL, RICK	ND.....DX160
*6 SMITH, THOMAS	FL.....XCR30	*6 YAJKO, BOB	PA.....SPR4
*4 SMITH, TRAVER	CA.....FRG7	*4 ZILMER, BOB	WI.....SPR4
*1 SOMERS, JACK	CA.....FRG7	1 ZINK, GEORGE	CA.....SPR4

Thanks to 174 good reporters this month in spite of the fact that the A/O hasn't been received at this QTH, will add to August list, sorry about that

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 NOW we welcome 14 members who are reporting for the first time, they are:
 Ronald Bower.....TX Gary Gonzales.....CA Teresa Phillips.....CT
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RF-2200 in mint condition w/operators manual; \$105.00 ppd. A DX-60B for \$60.00 ppd. Wanted: Gilfer, Radio West, Heath or similar Preselector/Pre-amplifier QF-1 or 1A. Will consider trading for either one. Contact: Ben Radcliff, 740 Tomahawk Dr., Ottawa, IL 61350. (815) 434-4383.

Sony ICF-5900W very clean, transfilter for better selectivity, service manual, \$95.00 ppd. Contact: Ralph Sanserino, 8422 Crane Circle, Huntington Beach, CA 92646.

Panasonic RF-4800 8 months old w/manual & head phone adaptor for 1/4 inch plug \$400.00 ppd or best offer. Will trade for FRG-7 w/2.9 filter. DX-160, mint cond. \$70.00 ppd. Contact Ben Snowden, 9131 Golondrina, La Mesa, CA 92041. (714) 469-7815 after 0100 GMT. No collect calls please.

Panasonic RF-4800 in mint cond. w/service manual, the complete SWL handbook and batteries. \$350.00 or will trade toward a FRG-7. Contact: Scott Tacoma, 4172 So. Tropico Dr. La Mesa, CA 92041. (714) 469-4324. No collect calls.

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