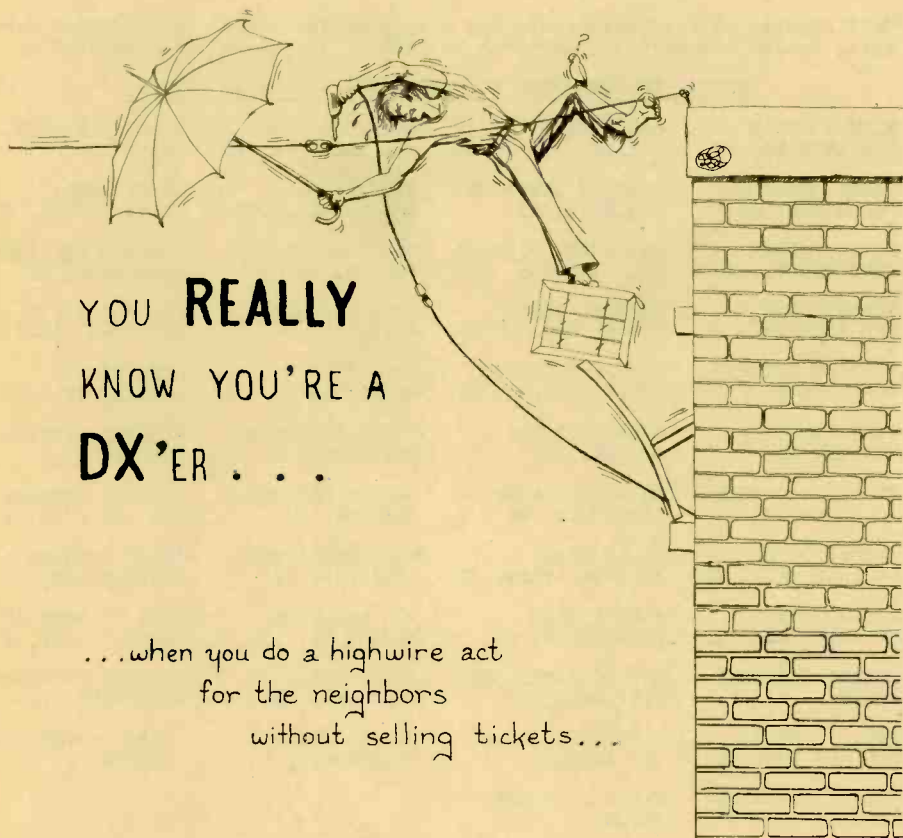


S P E E D X

"THE DX RADIO MAGAZINE FOR ACTIVE SHORTWAVE LISTENERS"



YOU **REALLY**
KNOW YOU'RE A
DX'ER . . .

...when you do a highwire act
for the neighbors
without selling tickets...

MAY 1978

Vol. VIII No. V



KEYNOTES



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

CONGRATULATIONS TO 13 NEW FULL MEMBERS

FREDERICK BOURNE OKINAWA	JOHN BYCURA PITTSBURGH, PA	MARVIN DIAMOND BALTIMORE, MD	PATRICK FRANZIS SEYMOUR, CT
GENE GARFIELD WEST NEWTON, MA	JAMES GARMS SUN CITY, AZ	RICHARD HACKNEY NASHVILLE, TN	JOE HOWELL ESCONDIDO, CA
IVERY MARABLE ITALY	MARK MURPHY LOCKPORT, NY	JOHN NOON STREATOR, IL	GREG PAOLINI STAMFORD, CT
LANI PETTIT SIOUX CITY, LA			

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

MILTON ORMAN LOS ANGELES, CA	REX PRATER DALLAS, TX	HOWARD SCHWARTZ PHILADELPHIA, PA	STEPHAN NILSON SWEDEN
JAMES COMEAU FULLERTON, CA	CHARLES SCHANCER BROOKLYN, NY	JIM VAN NOY LOS ANGELES, CA	LAURI SALMA SANTA MONICA, CA
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WILBERT RITTER LONG BEACH, CA	JOSEPH DUNNIGAN BEVERLY HILLS, CA	JOSE WONG MIAMI, FL	GREG MORRIS JASPER, TX
JOHN PANTERA VENICE, CA	KENNETH UDEHN MOLINE, IL	BRUNO PORTMANN SWITZERLAND	WILLIAM STEWART SCOTLAND
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ARMAND DI FILIPPO PHILADELPHIA, PA	H. E. LANG N. FORT MYERS, FL	LUIS ESQUIVEL PASADENA, CA	"MAC" McSHANE LONG BEACH, CA
RICHARD LANE WOODLAND HILLS, CA	WALTER PYNE HAGERSTOWN, MD	RON ERICKSON ESSEX, IA	KEN LEONARD JR COOPER CITY, FL
DONALD THOMPSON ITALY	DANIEL MATWIEJCZYK YPSILANTI, MI	JAMES HOGAN CLEMMONS, NC	WESLEY THOMPSON PENNSYLVANIA
DAVID SUMMERS APO NEW YORK, NY	MARTIN POLON LOS ANGELES, CA	HAROLD WRIGHT POCAHONTAS, IA	KEITH THIBODEAUX BRUSLY, LA
ROBERT SCHUMANN DALLAS, TX	MIKIO KUWAYAMA JAPAN		

We are very happy that you have joined SPEEDX. Technical questions should be directed to our technical editor, questions pertaining to the club should be directed to headquarters in that beautiful town of Lake Elsinore. All we ask, is that you support the various sections.

---***---

A reminder that the logging editors deadline is the 15th of the month. You may send your loggings to our Central Distribution Editor; Robert Zilmer, P.O. Box 697, Milwaukee, WI 53201, however his deadline is the 10th of the month.

INTERNATIONAL BROADCASTERS YEAR 1978

"1978 has been proclaimed as International Broadcasters Year, which means that all possible efforts will be made to support international broadcasting stations. Many of these stations are facing problems, mainly economic problems. The aim of the IBCY-'78 is to find ways to promote stations and programs." So says Arne Scoog from an article that he sent me which dealt with the IBCY'78.

The above passage is more important than you may feel it is. Economic matters may eventually cause some stations to drastically reduce, or possibly end, their shortwave transmissions. Though this may help the band crowding conditions, by having fewer stations, you probably would see some of your favorite stations and programs disappear. It just so happens, that without fast action from DXers and DX organizations, several stations would no longer be on the air. (Radio New Zealand for example).

Dave Browne, Executive Secretary of ANARC write, "It is high time that DX clubs should stick together in order to find ways and means to support our favorite stations and programs." With this in mind, there should be some major points to examine:

Listener's Mail - Mr. Scoog writes, "All international broadcasters are very interested in mail from listeners abroad. It is regarded as the only means of two way communication, and in many cases the statistics of incoming mail is the only evidence that the broadcasters are reaching their listeners." This exemplifies the importance of the listener and the letter he sends to the broadcaster. The listener does a great benefit for himself by choosing to write to a station. It is an expression that the listener shows his support for the station, and the station then knows that it is being appreciated and will continue to create fine programming.

Arne continues, "Handling the flood of mail also means extra expences and labour, and we have to find ways to lighten this burden without breaking the flow of incoming reception reports and other letters. One way is for listeners to make their reports and letters easier to handle." Thus, there are several points that the listener should follow when addressing the station.

- 1) Your name and address should be printed clearly. Don't make the workers spend extra time trying to read your careless writing.
- 2) Stations prefer reception reports on printed form. These forms are available in almost all major DX clubs. If you aren't able to obtain a printed form, set up a nice reception report form on a clean sheet of paper. The printed form, or a nicely arranged form, impress stations more, and in some cases this could be the difference between getting a QSL card or not.
- 3) Stations do not prefer tape or cassette recordings. To sit down and listen to these is very time consuming for the workers. It is also more expensive for your postage.

Arne correctly states, "A friendly and fruitful collaboration between DX organizations and international broadcasters has developed during the last few years. This should be further developed during 1978." Mutual cooperation should be established. As based on recent happenings, this cooperation seems to be carrying out. International stations should be willing to send representatives to DX conventions and DX meetings. In return, these conventions and meetings should provide a place on it's agenda in orderfor serious discussions on how to promote and help stations, and matters that could provide both listener and broadcaster an easier way to communicate with one-another.

It is my desire to promote the IBCY '78. I, Matthew Brown, am a member of the United States IBCY committee. The committee's chairmen are: Ian McFarland and Jeff White. There are several other members on the committee as well. Any comments or suggestions should be written to me, Matthew Brown, 3310 Picardy Court, Mequon, WI 63092. I will prepare progress reports and send them to Jeff White. The committee will work together in helping the IBCY '78 become a most successful campaign. Thank you.

SPEEDX supports INTERNATIONAL BROADCASTERS YEAR 1978, therefore this item by Matthew Brown is carried in our Headquarter/Editorial section.

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS TO MEET IN MONTREAL.

THE 1978 ANARC CONVENTION WILL BE HELD IN MONTREAL, QUEBEC, SPONSORED BY RADIO CANADA INTERNATIONAL AND THE DX DIGEST PROGRAM IN HONOUR OF INTERNATIONAL BROADCASTERS' YEAR 1978. IAN McFARLAND OF R.C.I.'S DX DIGEST WILL BE THE CONVENTION HOST.

DATES: JULY 14, 15, & 16, 1978.

PLACE: ALL CONVENTION SESSIONS WILL BE HELD AT R.C.I. HEADQUARTERS AT MAISON DE RADIO CANADA, 1400 DORCHESTER BLVD. EAST, IN MONTREAL.

TENTATIVE CONVENTION PROGRAM:

FRIDAY, JULY 14: OPEN HOUSE DAY AT R.C.I. Open to the public as well as ANARC Conventioneers, from 9 AM to 5 PM EST., with film and slide presentations, communications and equipment displays, club and SW station exhibits.

WINE AND CHEESE RECEPTION, FRIDAY EVENING, given by Radio Canada International. This event will be for Registered ANARC Convention Attendees Only.

SATURDAY, JULY 15: Workshops, talks, quizzes with prizes, HAF Auction, discussion group, Hermes demonstration (see below). In the evening, annual ANARC Awards banquet, with guest speaker.

SUNDAY, JULY 16: Tour of the Maison de Radio Canada Radio and TV facilities, ANARC Committee Reports, Receiver and Accessories Displays; Club displays and exhibits, Special International Broadcasters Forum.

MONDAY, JULY 17:
(OPTIONAL) If there is a sufficient number of people interested --and signing up -- there will be a special bus trip-- from Montreal to Ottawa to visit the Satellite Receiving Station operated by the Communications Research Centre of the Department of Communications -- and also a trip to Radio Canada's Monitoring Station, near Ottawa. Let us know your decisions.

NOTE TO SAT. JULY 15 IF all goes according to plan, one of the highlights of the 1978 ANARC Convention will be a working demonstration of the world's first, direct, satellite to home television via Broadcasting Satellite HERMES, also known as the CTS or Communications Technology Satellite.

For this demonstration (Maison de Radio Canada) we'll be using what is probably the world's smallest satellite earth terminal.

ANARC CONVENTION ACCOMODATIONS.

A block booking has been made by the ANARC Convention Committee at the Sherbourg Apartment Hotel, 475 Sherbrooke Street, West, in central downtown Montreal. There is easy access to RCI Hq by public transport.

Prices are very reasonable indeed, especially if accomodations are shared. All hotel suites have a bedroom with twin beds, a living room with double sofa bed, bathroom and kitchenette facilities.

PRICES - per person, per night, tax included, in Canadian currency, are:

SINGLE: \$25.92. DOUBLE (2 Persons): \$12.96, each.

TRIPLE (3 Persons): \$10.08 ea./ FOUR PERSONS SHARING A SUITE: \$8.10 each

PLEASE NOTE: IN ORDER TO HAVE AN ASSURED HOTEL RESERVATION, YOUR APPLICATION AND RESERVATION REQUEST MUST BE RECEIVED BY THE ANARC 1978 CONVENTION COMMITTEE IN MONTREAL, NO LATER THAN JUNE 1, 1978 DEADLINE. After that date the Convention Committee cannot guarantee hotel accomodations.

CONVENTION REGISTRATION FEE:

\$12.00 per person for the entire 3-day Convention; or \$5.00 per person for a single day registration, payable in advance.

AWARDS BANQUET ON SATURDAY EVENING JULY 15:

The exact cost of the banquet will be \$10.00 per person, payable in advance.

FOR APPLICATION AND RESERVATION FORMS:

To receive an application and reservation form for the 1978 ANARC convention please follow the instructions below:

IN THE UNITED STATES:

Send a self-addressed, stamped envelope for reply to: ANARC 1978, 557 North Madison Ave, Pasadena, California, 91101.

IN CANADA:

Send a self-addressed, stamped envelope for reply to: ANARC 1978 Committee, 6 Coolbreeze Ave, Pt. Claire, Quebec H9S 5G4, Canada

OUTSIDE OF CANADA AND USA

Send a self-addressed envelope and one IRC to the above address in Canada.

PACIFIC NORTHWEST GET-TOGETHER

The 2nd GOOD GUYS meeting will be held on Sunday, May 21, from 1 to 5 at Far West Federal Savings and Loan, 2920 S.W. Cedar Hills Blvd, Beaverton OR. A \$2.00 donation is requested. For further details see Asia/Oceania column.

MILWAUKEE AREA DX-ERS

Saturday June 10, 1978 a meeting will be held at the home of John Trautschold. W 174 N 9459 Devonwood Rd, Menomonee Falls, WI 53051. (414)251-2067. Honored guest will be Don Johnson, Business Manager and Publisher of SPEEDX. For details contact Bob Zilmer, 9016 W. Mt Vernon Ave, Milwaukee, WI 53226.

CHICAGO DX-ERS

SPEEDXER, Joe Potaczek, 2735 N. Mango Ave. Chicago, ILL 60639, is interested in Chicago Area DX-ers contacting him for setting up a meeting of shortwave hobbyist.

TECHNICAL EDITOR

Sandy Blaize, will be in England from the later part of May through June, therefore there will be a delay in answering his mail re your tech. questions.

5....4....3....2....1....BLAST OFF!

SPEEDXER LAUNCHES SATELLITE! Well, Toshimichi Ontake did not actually throw the satellite into space by himself but, Toshi was very active in managing the program of the Japanese Broadcasting Satellite (nicknamed "Lily") which was launched from Cape Canaveral on April 7th. Toshi has spent several years working on this project, in his capacity as US Representative for Toshiba, prime contractor for the Japanese Space Agency. This experimental broadcasting satellite is scheduled to be turned on in late April, with extensive testing due in July.

GUGLIELMO MARCONI 1874-1937

HQS has recently purchased a 60 minute cassette tape produced by: Communication Institute, P.O. Box 1207, Arlington, VA 22210. This tape #HM0029 is a dramatised biography on the life of Marconi, and is "lavishly produced with the best actors, sound effects and music, along with superb research, writing and direction". This is a tape that will give you insight on how this brilliant dedicated man overcame vast odds to lay the foundation of what we now take for granted. Radio! While designed to sell for twice the price, SPEEDXers can purchase this tape for \$6.45, which includes shipping. Be sure and mention SPEEDX to get this price. The tape is produced in London and is of high quality. Some 30 other titles are also available from..Einstein to Caesar, Wright Bros to Beethoven. Order from the above address.

Mint stamps for most countries of the world are available from George Robertson. Send A SASE to:DX STAMP SERVICE, 83 Roder Parkway, Ontario, NY 14519. Tell George SPEEDX sent you.

SPEEDX report forms are available from HQS. SWBC, QSL, & UTE forms to send to section editors may be obtained for 25¢ or 50¢. Please state in what ratio you want them(i.e. 3 SWBC/2 UTE/1 QSL or ?). Mint stamps or cash may be sent. Order forms early as most are mailed via 3rd class mail, which may take several weeks to arrive. Do not send a SASE, just return postage as stated above.

WDX call signs are available from:Hank Bennett, P. O. Box 3333, Cherry Hill, NJ 08034. For information send a SASE to Hank. Tell him your a SPEEDXer.

SPEEDX UTILITY GUIDE

UTILITY

Book of the Year

Two hundred and forty pages packed full of material for the utility DXer., this new utility book may well be the most complete single source of information designed for utility DXers by utility DXers.

Offset printed with a "comb" binding so the book lays flat when open, this comprehensive publication is to UTE DXers what the WRTH is to non-UTE DXers!

A partial list of contents include:

US Military Call Sign List	Marine Op List
VOLMETS	Spy & Number Stations
Report Forms	Q-Code & CW Abbreviations
DX References	Embassy Stations
8 mHz Costal Survey	Voice Mirrors
Fixed PTP Feeders	USAF HF Freq List
Time Stations	Call Allocations

Plus 40 pages on Coast Guard Stations.....A section on LongWave DXing....Nearly 100 pages of STATION DATA with QTHs, frequencies, QSL policies....Japanese Marine stationsAviation Weather.....pictures of utility QSLs..... ..and MORE!

Compiled & edited by "Mister Utility", Paul Mayo, with Coast Guard material by Mel Hickman and, Longwave info from the founder of the LWCA, John Clements. Utility DXers throughout the world contributed to this book.

If you're an avid UTE chaser or an occasional tuner of the "off-bands" this book is a must for you. Use the handy order form on the back side of this flyer.

Great News!

The 2nd printing is now available. Those who have been waiting for a copy of this fabulous book need wait no longer. Your copy is at HQS waiting for your order. This 2nd printing includes many corrections, plus an additional 8 pages to bring the total to 240! 1st printing sold out in 8 months so get your copy while the getting is good. Those who have the 1st printing in hand have heart. In a couple of months we will have the additional info available (for cost) of the changes made to the 2nd printing. No need to cut this page up. Just send a check or money order to get your copy.

\$ 6.95 **SPEEDX** **UTILITY GUIDE**

Price of \$6.95 includes shipping via book rate (surface mail) anywhere in the world.

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Submit funds in US DOLLARS only! In the USA, personal checks or money orders are OK. Outside the USA we must have International Postal Money Orders or International Bank Drafts payable through any USA bank. NO PERSONAL CHECKS OUTSIDE THE USA!

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Mail your check or Money Order payable to SPEEDX in US FUNDS. Outside the USA remit funds by International Money Order.

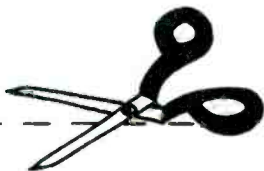


S P E E D X
Post Office Box E
Elsinore, California
92330 USA

SEND **SPEEDX** TO A FRIEND OFFER

Every SWL/DXer must have a friend who would like to receive a recent copy of SPEEDX. This month we have a special offer. "SEND SPEEDX TO A FRIEND". Just 75¢ (cash or stamps) will send a recent copy, info sheet & membership application form, to your friend. Clip the coupon below (or a facsimile if you don't want to cut your bulletin), enclose six bits, and mail to club HQs for each friend you wish to receive a sample copy.

MAIL TO - S P E E D X
P. O. BOX E
ELSINORE CA 92330



PLEASE PRINT

FRIEND'S NAME	
(LAST)	(FIRST)
ADDRESS	
(CITY)	(STATE)
(ZIP CODE)	
Your Name	

COUNTRY	JAN	FEB	MAR	GRID COORDINATE	
AFARS & ISSAS	1450-0326	1457-0319	1506-0310	43.00E	11.50N
AFGHANISTAN	1220-0226	1246-0200	1316-0130	69.23E	34.65N
ALASKA-Anchorage	0056-1902	0220-1739	0341-1617	149.80W	61.20N
ALBANIA	1520-0602	1554-0527	1632-0449	19.83E	41.30N
ALGERIA	1639-0656	1708-0627	1748-0555	3.18E	36.70N
ANDORRA	1629-0719	1705-0643	1745-0603	1.50E	42.63N
ANGOLA	1721-0453	1715-0459	1709-0505	13.25E	8.83S
ANGUILLA	2142-1041	2154-1029	2208-1015	62.90W	18.25N
ANTARCTICA-McMur.	24hr-LITE	24hr-LITE	0745-1815	165.00E	77.50S
ANTIGUA	2138-1034	2150-1022	2203-1009	61.53W	17.11N
ARGENTINA	2257-0850	2230-0917	2200-0947	58.36W	34.60S

SUNSET - SUNRISE BOOKLET Above is an actual excerpt from this 16 page booklet. It lists the sunset-sunrise times in GMT for 265 sites around the world. Computerized for accuracy! Included is a mathematical formula for computing the times for any site not listed. A very handy DXing aid!

Cost is \$1.00 (75¢ for Full Members) or 6 IRC's. Order from club HQs.



DX MONTAGE

RESEARCH/COMPILATION/REDACTION by A. W. BROOKS

74 Massachusetts Road

Caldale, Connecticut 06370

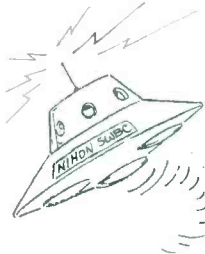
FAPLON OUR FAUK FAS, FOLKS (or "The Pen Is Mightier Than The Sword"): Did you look at the cover of your February bulletin closely? Neither did your erstwhile cover designer; but some members did...and quickly noted that the issue was a full year late...if the date thereon was to be believed. Lani Fettiit, an Iowa SPEEDXer, was first into headquarters with the error and received a bumper sticker as her "catch the blooper" prize...Along about the same time, in another DX publication, the editor of their QSL column was listing "Feliz Navidad" as a verification signet for one of the Latin American stations. It's inevitable, therefore, that we should be reminded of the time back in 1972 when a QSL report in SPEEDX about an acknowledgement from the Indonesian outlet, Radio Singapura, listed the signet as "Selamat M. Lagi". The editor at that time has endured more than his share of good-natured ribbing over the years since. It seems that "Selamat Mendengar Lagi" can be translated as "Greetings and Tune In Again"...Broadcasters aren't immuned either. The conclusion of a BBC World Service international news segment a couple months back attracted my attention immediately. The usually staid closing announcement after the repeat of the headlines came out, "And that's the end of the world"...Radio RSA fell victim on Friday the 13th - this past January - when Illinois SPEEDXer Larry Cotarlin observed transmission opening with the announcement "This is Radio PSA broadcasting from America"...well, what can I say...maybe I just wanted to relive 1977...oh, well...Merry Christmas and Tune In Again!

"This is madness," she cried.



YOU'RE NOT LIKELY TO HEAR IT ON NIHON SHORTWAVE BROADCASTING, BUT...

An attempt to lure unidentified flying objects from outer space thru use of red, white, and blue spotlights and the soundtrack from movie-land's "Close Encounters Of The Third Kind" film ended in failure in Tokyo recently. According to articles forwarded by Wisconsin SPEEDXer Matthew Brown and temporary Okinawan Mike Hardester, the attempt was made by the Nihon SWBC on the eve of the Japanese premiere of the sci-fi flick. Station officials claimed this method had been successful in the United States though it was the first time such an experiment was carried out in Japan. The company beamed lights off the roof of its transmitting station for about 50 minutes and, simultaneously, it blared out notes from the movie theme's pentatonic scale. Is it just possible that we might be "alone" after all?



INTERVAL SIGNALS CAN BE MUSIC TO OUR EARS:

Most DXers readily recognize the tuning signal of Polish Radio and a certain percentage of those DXers probably could tell you that it is from Frederic Chopin's "Revolutionary Etude". While we've all become much accustomed to hearing the word "revolutionary" in connection with broadcasts from the communist countries, there is something with this case that makes me wonder. Chopin was on his way to Paris back around 1831 when he received news that the Russian army had conquered Warsaw. Reportedly, he was so angry at this turn of events that he responded by composing the etude which now introduces Polish Radio's shortwave broadcasts. Pro-Polish, to be sure...but do they realize it is anti-Russian? Or is that the idea in the first place? ...And while we're on the subject of interval signals why not examine the origin of one of less political consequence. The Swiss Broadcasting Corporation's tinkling tune, "Luegid vo Bärq Und Tal" or "Sunset In The Mountains And Over The Valleys", has for generations been a favorite folk song in Swiss schools. The tune was composed by Ferdinand Huber while he was professor of music at a seminary which catered to children of rich families. However, the tune was written for the students at a near-by school for very poor children. Today, of course, the recurring theme is heard by thousands, both rich and poor, the world over.

ACORNS FROM OAKDALE:

...Feedback occurs when you finally buy someone that lunch you owe them.

RADIO'S GIFT OF TONGUES:

Member David Houck notes the addition of programs in Portuguese by WYFR...



OBVIOUS TO CONSEQUENCE....."DX MONTAGE" MARCHES ON....WITH



DX MONTAGE

....IF YOU MUST BLAME SOMEONE FOR THIS CONTINUATION, MAKE IT DIANE S. LÉVESQUE!

When I was on my all-expense-paid vacation...won at the local IGA grocery store....I had the rare privilege of touring the seldom heard SW station KRN, THE VOICE OF THE OZARKS. If you have ever accidentally tuned to a feeble IS of a banjo plucking the first ten notes of "San Antone Rose" on your way to the 49mb from the lower end, you've heard it. That is, if you live within 50 miles of the transmitter, situated in a valley between two ridges of the Ozark Mountain chain on the Missouri side.

According to the Chief Engineer...who is also program director, news director, and station owner...a fellow who hailed from New York when, in his teens, he decided to go back to nature because - in his words - his family's bourgeoisie way of life just wasn't where it was at... the station's main purpose is to keep the rest of Missouri aware of Hooting Hollow and the life of amazing health its residents enjoy. The station survives, says the engineer, not so much on the fact that it has many listeners as on the fact that it is a public service.

For example, the program fare includes such juicy morsels as "The Civil War Memoirs of Joshua Ledbetter", "The Fountain of Youth" and "Music of the Ozarks". The news department covers not only the astrological crop predictions and the headwater/tailwater report on Hooting Hollow's mineral springs, but, to keep the local people happy, also up-to-the-minute feud reports and mosquito alerts. The latter item, I am told, pleases the encephalitis-minded listeners on the other side of the mountain as well as Hooting Hollow's trout fishermen, who seem to exhibit an astounding immunity to the disease. Sports items include the National Muzzle-Loaders' Club's events, the National Hollering Competition, and occasional local cow chip Tosseo (akin to frisbee throwing or Olympic discus throwing, I'm told, and just as respectable a sport).



I almost hated to leave when my time was up. The place was beautiful - God's country, as I told the tour guide/engineer/sole boss/sole employee/etc..."No kiddin'", he replied, then proceeded to relate to me the story of how the community almost tarred and feathered him for airing the record "The Night Miss Nancy Ann's Hotel For Single Girls Burnt Down".

I must say, as small as it is, KRN has unprecedented audience response, and I highly recommend it to those who DX for the purpose of coming in contact with strange cultures...

- Diane S. Lévesque



YOU REALLY KNOW YOU'RE A DXER WHEN...

...you postpone your dental appointment in your attempt to log Antarctica...

...you emerge from your "shack" and find your family has forgotten who you are...

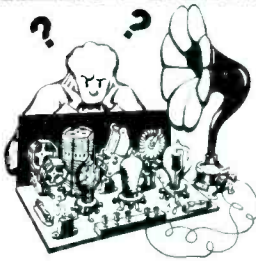
...the person who does all the talking about you at the backyard fence is the mailman...

...your wife arranges an appointment with the psychiatrist because you spend hours upon hours intently staring at a radio blaring nothing but noise...

...you get polite, blank looks from people when you speak what you thought was English...

- D.S.L.

DX MONTAGE is privileged this month to present the contributions of Diane Lévesque, literary and artistic protagonist of Greater Barthandale and a fledgling SIBEXer. In addition to the features on this page, Diane is responsible for this month's cover design. - A.W.



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

RECEIVERS: Standard C-6500... This was recently brought to my attention by SPEEDXer Kevin Hobson. Looks like the Drake SSR-1 in a different package. Drake has, by the way, announced that the SPR-4 and SSR-1 will be going out of production. Too bad... they didn't keep pace with the Japanese competition in improvements and modifications. Panasonic's "second generation" of sets: the RF-2800 and RF-4800 show improvement. Sony is coming out with the ICF-6800 soon. Yaesu to be announcing the digital FRG-7 before too long. More data and information as it becomes available.

RADIOS INTERNATIONAL, P.O. Box 6053, Richardson, Texas, 75080 has the XCR-30 for a special price of \$229.00 plus shipping until June 30. They throw in a FREE 1978 WRTH with the purchase. They also have the Panasonic RF-2800 for \$229.50 and the RF-4800 for \$399.50, Grundig Satellit 2100 and 3000, Sonys and Mosley antennas. They plan to carry Clocks, Headphones etc. soon.

WEBSTER RADIO, INC., 2602 E. Ashlan, Fresno, Cal., 93726, has the FRG-7 for \$245.00 + shipping. To order or for more info write, or call: 800-344-2198, (Calif. residents: 209-244-5111) Ask for Larry Webster.

SHORT INDOOR ANTENNAS: A number of inquiries have come in concerning what is best to use for an indoor antenna. This is almost impossible to answer without looking at each individual situation. A good antenna tuner (or pre-selector for older receivers) used with a short antenna can sometimes make a world of difference. See Tech. Topics, March '78 SPEEDX.

SPEEDXer Robert Fraser, 500 Todd Rd., Cohasset, Mass., 02025 wants to hear from anyone having a good antenna/preselector/tuner combination for the Barlow-Wadley XCR-30 for BCB DXing. **SPEEDXer Robert Batson,** 1824 No. 51st Terrace, Kansas City, Kans., 66102 wants more info on the RACAL RA-6217-E and RA-6390 receivers. **SPEEDXer Richard Utter,** sent some interesting information on Murata ceramic filters for improving receiver selectivity. Write to Editor for more info. (Include SASE) **SPEEDXer Harold Sellers** sez: Trico Electronic Supplies, P.O. Box 4208, Anaheim, Cal., 92803 has a counter kit available for \$54.95 + \$5.50 postage. Does not offset to give reading ± I.F. frequency, but it is a "cheap" way out. Write Trico for more info.

COMMENT: A big bunch of mail was received from readers. Some was complimentary and there were a few barbs. I hope to be able to answer your questions in this column or directly. I wish to emphasize that answers or suggestions given by this editor are sometimes "simplified" for the sake of being as clear as possible to a majority of readers, whilst being as conservative of column space as practical. Some of you more technical types have called me to task about a few things, but remember, the average DXer/SWL may not know or care to know all of the technical/theoretical ramifications of a specific subject. For detailed technical treatments of such subjects, I urge the review of more "technical" publications. No one can profess to know all, especially me! (After 30 years of "being around" the business.) Keep that mail coming gang! ALL of your comments AND criticisms are welcomed, as this will make YOUR column better.

COMING SOON-- A review of the Panasonic RF2800 and RF-4800 by SPEEDXers... A "source" list of various receivers/ supplies etc....

SWAP: Two Collins F 455 FA 21 (2.1 Khz. bandwidth) Mechanical filters, USED but good. I need a good quality cassette recorder that the "auto-level" can be overridden on, or has a input level meter and can handle C120 tapes. until next month..... GOOD DXing and 73!

"Sandy"

TECHNICAL TOPICS

HRO - 500 A USER'S REPORT

by Allen Stuart

The HRO-500 is produced by the National Radio Co. Inc. Melrose, Mass. Physically it is 7 5/8" high, 16 1/2" wide, 12 3/4" deep, with a weight of 32 pounds. All controls are on the front panel. It has a 50 ohm unbalanced H.F. antenna input and a high impedance unbalanced H.F. antenna input. Its power requirements are 117/234 V.A.C. or 12.6 V.D.C. The list price is currently \$2,295.00, used models can be obtained for \$1,595.00 to \$1,895.00, depending on the "cosmetic appearance" of the cabinet.

I have found the sensitivity of the receiver to be excellent. Don't be misled by the published specs of 2.0 uV SSD for 10 db s+n/n, these are merely production standards. The performance sheet for the receiver I have shows a sensitivity of 0.8 uV AM and 0.3 uV SSB for 10 db s+n/n. The preselector must be peaked for maximum sensitivity. Between 0 - 1.5 MHz the preselector must be peaked for each station. From 1.5 to 4.0 MHz peaking is done about every 50 kHz. In the 4.0 to 10.0 Mhz range peaking of the preselector is necessary 4 to 5 times in each 500 kHz band. Above 10 MHz once or twice each 500 kHz band is all that is necessary. Best receiver performance is obtained with an S-meter reading of S-9 (40 db), if the signal is strong enough. In order to achieve this, two controls are used, the AGC control and the RF gain. The AGC has 5 positions: OFF, ON and 3 attenuating positions, 10db, 20db and 30 db. The AGC will usually provide sufficient attenuation on the strong signals but on the AM broadcast band (0.5 to 1.6 MHz) the RF gain may have to be turned down in addition to maximum AGC attenuation.

I think the best way to give you an idea of the stability is to present the results of a 17 hour test I carried out. During the first two hours the drift was 300 HZ. Over the next 7 hours the drift was an additional 500 HZ. Between the ninth and thirteenth hour the receiver drifted a further 300 HZ. During the last four (4) hours of the test there was no further drift. It must be borne in mind that when this test was done I had the receiver for about two months. Its stability may change when it is "worn in".

The frequency response of the HRO-500 is 5 kHz to 30.0 MHz. This response is covered in sixty 500 kHz ranges by means of a phase-locked crystal synthesizer. Coverage is continuous (no crystals necessary) in 5 bands: 0-1.5, 1.5-4.0, 4.0-10.0, 10.0-20.0 and 20.0-30.0 Mhz. To tune the receiver the appropriate band is first selected. The synthesizer tune is then used to select the proper MHz readout. The main tuning dial is then used to select the necessary reading in the 500 MHz range. The reading in the 500 kHz range is added to the MHz readout to obtain the frequency that the receiver is tuned to.

For SSB reception one can select the 2.5 kHz bandwidth and use the Passband Tune to select USB or LSB. For CW reception the 0.5 kHz bandwidth is used and the Passband Tune is tuned to achieve the desired tone. As an extra note visual readout on the main tuning dial is conservatively about 200 Hz.

In my opinion the best feature of the HRO - 500 is selectively. To eliminate unwanted signals the rejection tune is used first. This will usually remove weak and moderate signals. One must be careful, however, not to eliminate the desired signal with the rejection tune. AM reception is usually done with the 8.0 or 5.0 kHz bandwidths. However if there is strong adjacent signal interference the 2.5 kHz bandwidth can be selected. With the 2.5 kHz bandwidth in place, any remaining interference can be eliminated with the rejection tune. For very strong interference the 2.5 kHz bandwidth, rejection tune, and Passband Tune can all be used. In the 2.5 kHz position the Passband Tune can eliminate the interference by tuning the USB or LSB. The Passband is inoperative when the 5.0 or 8.0 kHz bandwidths are selected.

As an after thought I should mention that a 50 kHz crystal calibrator is built into the receiver.

To sum up, I think the overall performance of the HRO-500 is superb. The big disadvantage is the price.

(Editor's note; Since the above article was written the price of the HRO-500 has jumped to \$3,000.00. Not for the casual listener!)

I guess everyone has heard that Drake has stopped production on the SPR-4 and SSR-1? True. Lack of sales due to lack of progressing with the times. Drake will devote their time now to 100% HAM coverage.

ARGENTINA, continued

- 11755 0305 R. El Mundo, SS, OM tk, crowd in background (433; 3/16. Thompson, CA) CA)
- 15345 1855 R. Nacional, SS, class mx, (1900 pips mid-piece), ID's (333; 3/26. Thompson,

BOLIVIA

- 4845+0404* R. Fides, SS, complete ID w/ fq., power, (333; 3/30. Sheedy, CA)
- 4875 0950 La Cruz del Sur, SS tk, local Andean mx, ID (343; 4/8. Lobdell, MA)



BRAZIL

- 4755 0910 R. Dif, do Maranhão, PP, Braz. mx, tk, (222; 3/13. Tannenwald, NY)
- 4825 0100 R. Mundial, PP, class mx, ID's, kazoo mx (??); (423; 3/8. Blaize, LA)
- 4905 2358 R. Relogio Federal, PP, tk by OM, pips and ID, TC every minute (333; 4/7. Lobdell, MA)(Kato, JAPAN)(Crawford, DE)
- 4915 0205 R. Difusora, Macapá, PP, ID, fq, R&R, (544; 4/7. Crawford, DE)(Lobdell, MA)
- 4925 0830 R. Dragão do Mar, PP, mx, ID by OM in fit of laughter, (333; 4/8. Lobdell, MA)
- 4985 0630 R. Brasil Central, PP, pop mx; (333; 3/19. Bryan, CA)(Norcross, HI)
- 5016m0559 R. Pioneira, Teresina, PP, ID @0559, R&R, snappy vocals (all mx sta) (434, 4/2. Crawford, DE)
- 5025 0400 R. Borborema, PP, LA mx, non-stop to ID @0430* (344; 4/8. Martin, LA)
- 5045 0230 R. Cultura do Pará, PP, easy listening mx, Bassy ID's, QRN (222; 3/8. Blaize, LA)(Tannenwald, NY)(Trautschold, WI)
- 5965 0923 R. Guaiba, PP, full ID 0923, (454; 3/20. Trautschold, WI)
- 6035 2355 R. Globo, PP, mucho tk LA mx; (433; 9/4 Donly, SC)
- 6165 0000 R. Cultura, São Paulo, PP, ID, tk, mx; //9745 (422; 3/22. Zilmer, WI)
- 6175 2328 R. Guarani, PP, sports under BBC, (212; 4/6 Orr-CO)
- 6185 2318 R. Bandeirantes, PP, OM sports coverage, ID, noises (222; 4/6. Orr-CO)
- 9745 0000 R. Cultura, São Paulo, PP, ID, tk, mx, (311; 3/22. Zilmer, WI)
- 11765 0002 R. Tupi, PP, Brazilian folk mx, tk; (232; 3/19. Maghakian, NY)
- 11780 0250 R. Nacional, Brasília, PP, nice Braz. mx; ID; (544; 2/27. Stone, ONT) (Ireland, TN)(Jones, CA)
- 11865 0155 R. Clube de Pernambuco, PP, OMM tk excitedly, ID @0225; (433; 3/16. Thompson, CA)(Zilmer, WI)
- 11925 0025 R. Bandeirantes, PP, ID's, mx, 'til TWR s/on; (343; 4/3. Poole, GA) (Ireland, TN)
- 15265 2300 R. Excelsior, PP, tk, mx, ads, jingles, ID @2326; (433; 3/27. Zilmer, WI)
- 17815 0004 R. Cultura, São Paulo, PP, ID's, fq; DJ: Rick Wakeman (??)(253; 3/20. Novello, NY)(Maghakian, NY)(Lobdell, MA)(Zilmer, WI)



CHILE

- 9750 1102 R. Minería, SS, ID, ads, mx; (333; 4/7. Jones, MS)(Howell, CA)
- 11705 0340 Voice of Chile, EE/SS, Horse race tk, sports, (544; 3/9. Carrier, FL) + 7
- 11810 0307 VOC, EE, tk on USSR, Cuba, (555; 4/6. Howell, CA)(Schwartz, PA)
- 14530 0100 R. Colo Colo, Chilean mx in SS, ads, not relay R. Nac; (AM; 333; 3/29. (Jackson, OR)(SSB, Maghakian, NY)
- 15115 0330 VOC, EE, px on Chilean sports, economic scene (333; 2/20. Andersen, NY) (Maghakian, NY)(Burke, VA)
- 15130 0530 VOC, EE, mx, s/on @0532, (544; 3/31. Chituck, MD) + 18 reporters
- 15150 0303 VOC, EE, descriptive tk on Chile; (444; 4/2. Owsley, CA)(Palafox, ND)
- 16120 0545 VOC EE, //15130, tlks on copper exports (a PTP relay, perhaps?? cph) (544; 3/31. Chituck, MD)
- 17800 1253 EE, YL's voice, familiar IS music, address; (252; 4/3. Earhart, PA) (Zilmer, WI) VOC, sorry

COLOMBIA

- 4755 0424 Emis. El Mundo, SS, class. mx, ID by YL, (544; 4/8. Martin, LA)
- 4775 0230 Emisoras Kennedy, SS, ID as "En el aire, Emisoras Kennedy, 1430 y 4775 kcs desde Bogotá, República de Colombia", rx summary, mx to 0300 (323; 4/7. Whitehead, MA)

Typos look very small before I mail the column; when I read W/H, they're all I see!!

COLOMBIA, continued

- 4785 0155 Ecos del Combeima, SS, cmt, frequent ID's as "Super de Colombia"
(454; 3/28. E. Kasprzyk, TX) + 6 reporters
- 4845 0315 R. Bucaramanga, SS/E, bilingual px of Colombian mx;
(444; 4/11. Fisher, RI)(Martin, LA) +4
- 4875 0342 LV del Norte, SS, ID, LA pop mx, vocals (ID's sometimes
as "Super Radio" cph)(443, 3/14. Jones, MS)
- 4885 0418 Ondas del Meta; SS, slow SS mx; (454; 4/8. Martin, LA)
(Karcheski, MA) + 3 reporters
- 4925 1101 Emis. Meridiano 70; SS, ID, tlk, mx; (232; 3/11. Jones, MS)(Famularo, NJ)
- 4935 0420 R. Villavicencio, SS, ID, ads, mostly mx; (454; 3/24. Howell, CA)
- 4945 0440 R. Colosal, SS, Todelar armts, "Serenata Colosal" (434; 3/20. Del Rio, CA)
(Martin, LA)(Stone, ONT)(T. Smith, CA)(Kato, JAPAN) + 5
- 4965 0442 R. Santa Fe, SS, ID, TC, Actualidades Medianoche, etc.(444; 3/15. Del Rio,
CA)(Heath, KY)(Lentz, PA) + 3 reporters
- 5010 0342 R. Surcolombiana, SS, OM, YL ancrs, LA mx px; (423; 3/27. Jones, MS)
("Radio Periódico" px; Lobdell, MA)(Irish mx on St. Paddy's Day;
Naylor, CA)
- 5040 0315 R. Cinco, SS, light pop mx, ID 0315 (322; 3/26. Trautschold, WI)
- 5075 0055 R. Sutatenza, SS, mx, tlk; (533; 3/9. Lindsey, NJ)
- 5095 0230 R. Sutatenza, SS, nx, ID, ads; (343; 3/6. Stone, ONT)(Jones, CA)(Kato, JAPAN)
(Tannenwald, NY) Jones, MS)
- 5955 1007 LV de los Centauros, SS, rolling vibes IS, ID, 5 kW on SW; (444; 3/30. /
- 6065 0935 R. Súper, SS, LA mx, OM DJ (443; 4/2. Prath, FL)
- 6075 0110 R. Sutatenza, SS, nx, tlk, IS, QRM DW @0121; (322; 3/18. Maghakian, NY)
- 6095 0407 LV del Centro, SS, pop mx, ID, hyper ads; (434; 4/7. Orr-CO)
- 6115 1120 LV de Lllano, SS, pop mx, ID, tx; (222; 3/18. Prath, FL)(Trautschold, WI)
- 6140 0715 R. Melodía de Bogotá, SS, mx, many ID's (444; 3/17. Hagen, IL)
- 6150 1035 LV del Huila, SS, pop mx, (343; 3/19. Prath, FL)(Trautschold, WI)
- 6160 1023 Emis. Nueva Granada, SS, tlk, ID @1023, ID as call letters HJKU, no mention
of Nueva Granada (I guess this is an exception to the PLEASE NOTE I wrote
on the first page of W/H -- as they say, "Every generalization is
false, including this one." My decision to omit call letters still
stands. cph)(232; 3/29. Trautschold, WI) (Blaise, LA)
- 9655 1130 R. Nacional, SS, phonetics less, ID (444; 3/17. Heath, KY)(Donly, SC)
(Johnson, FL)
- 15333.8 0140 R. Nacional, SS, class mx, 10 min. nx @0149; (453; 4/5. Utter, NY)
(Jones, MS)(Hackney, TN)(Novello, NY)(Hagen, IL)Ireland, TN)



ECUADOR

- 6057 1040 HCJB, Quechua, rel, tx, Quechua sounds like a cross between FF, SS, and PP
(343; 4/4. Trautschold, WI) +25 other rpts. on var. fqs. of HCJB
- 3260 0315 LV del Río Carrizal,
SS, OM spinning mix
of pop and upbeat
rlg mx; 0335*
(252; 2/22.
Whitehead, MA)
- 3280 1045 LV del Napo, SS,
tlk show, mx; (232
3/18. Prath, FL)
- 3380*1100 R. Iris, SS, s/on
by OM, (232; 3/18
Prath, FL)(Magha-
kian, NY)(Whitehead
MA)
- 3390 0258 R. Zaracay, SS, tlk, LA mx, ID's (333; 3/18. Poole, GA)(Kenyon, PA)
(Pimblett, ALTA)(Blaise, LA)(Prath, FL)
- 3985 1116 Esc. Radiofónicas Populares, SS, ID's, Andean mx; (333; 4/6. Jones, CA)
- 4680 0500 R. Nac. Espejo, SS, ID, mx, La Hora del Pasillo (I think this is a program
skits or some such things. cph)(433, 2/30. Del Rio, CA) +9 reporters
- 4795 0523 LV de los Carás, (fq. 4794.8m), SS, R&R, pop mx, 0524*, statement said
station would return at 8:30 AM, sometimes overmodulated (443; 4/2.
Crawford, DE)(Whitehead, MA)
- 4800 0513 R. Popular (fq. 4801.3m), SS, ID, RTTY QRM (333; 4/2. Crawford, DE)
("Música juvenil." Sheedy, CA)
- 4820 0945 R. Paz y Bien, SS, ID, instrum. mx; (444; 4/8. Lobdell, MA)
- 4890 0421 R. Centinela del Sur, SS, DJ px, nx @0430 (444; 4/8. Martin, LA)
- 4900 1053 LV de Saquisilí, SS, good ID, TC, R. Juventud off air lately (343; 3/27.
Jones, MS)
- 4911 0335 Emis. Gran Colombia, SS, pop mx, recorded ad string, clear (444; 2/22.
Whitehead, MA)(Blaise, LA)

RADIO
ZARACAY

965 KILOCICLOS ONDA LARGA 90 METROS ONDA MEDIA
Holger Velastegui Domínguez Teléfono: 311148 Santo Domingo de los Colorados
GERENTE "PROPIETARIO" 311154 ECUADOR

ECUADOR, continued

- 4920 0336 R. Quito, SS, LA mx, ID, QRM R. Progreso (3/3; 4/12. Jackson, OR)
(Tannerwald, NY)(Famularo, NJ)(Crawford, DE)(Meehan, CT)
- 4939 0405 R. Nac. de Ecuador, SS, OM reading wire svce mx; (4/3; 2/22. Whitehead, MA)
(Sheedy, CA)
- 5025 0540 R. Splendit, SS, "El centro de los éxitos - R. Splendit", health PSA's,
(5/5; 4/2. Crawford, DE)(Jones, MS)
- 5060 0634 Sistema de Emisora Progreso, SS, Andean mx; (4/3; 3/19. Bryan, CA)

GALÁPAGOS ISLANDS

- 4810 0353 LV de Galápagos, SS, rel tx, anmts. s/on of Springbok @0357; (222; 3/12.
Karcheski, MA)(over-modulated; 4/3; 4/8. Martin, LA)

GUYANA, FRENCH

- 3385 0230 FR3, FF, FE/FF/SS pop mx; Marsaillaise at s/off; (232; 4/8. Whitehead, MA)
(Ici Cayenne; 4/4; 3/26. Heath, KY)(hetted; Brookwell, CA)
- 4972 0032 FR3, Pop, Latin, class. mx, EE vocals; ID @0057; (4/3; 3/4. Donly, SC)

PERU

- 4825 0410 LV de la Selva, SS, mx requests, phone in; casual ads, TC's, ~0500*;
(333; 3/30. Sheedy, CA)
- 4860 0143 R. Chinchaycocha, SS, folk mx, tlk by om, ID w/ QTH (4/3; 4/8. Martin, LA)
(lots of yelling, 333; 3/17. Thompson, CA)(Jones, CA)
- 4896t0455 R. Chanchamayo, SS, Andean mx, TC's (GMT - 5) ID's in echo chamber,
px called "Baile y Cante" (232; 3/12. Sheedy-CA) 0507*
- 5970 0504 R. El Sol, SS, rx px; ID, ads; (232; 4/7. Orr-CO)
- 5980 0636 R. Panamericana, SS, ID's, U.S. pop mx; (4/3; 4/8. Jones, CA)(ads, Banco
Concepcion, Pepsi, Alka-Seltzer; 4/4; 3/17. Thompson, CA)(tlk on
insect pest control; (4/3; 3/27. Jones, MS))
- 6175 1018 R. Tawantinsuyu, SS, Folklorica mx; ID: "Tres frecuencias...nacional y
internacional -- La Fabulosa --" (4/4; 3/15. Jones, MS)

SURINAM

- 4780 0250 SRS, Dutch, sub-continental mx; ID's (333; 3/16. McCurdy, CA)(Rounds, CA)
- 4850 0328 Dutch, EE, others; telephone px, American oldies; (353; 3/31. Earhart, PA)
(talk about SRS DX Club (! cph) 333; 3/26. Macris, MO) + 13 reporters
- 4880 0356 Dutch, interview; (4/4; 3/15. Karcheski, MA)

URUGUAY

- 9515 0110 S.O.D.R.E., SS, tx by OM, names of
S.A. countries heard, ID @0123; (322;
4/6. Donly, SC)(Ellis, NH)
- 11835 0110 R. El Espectador, SS, px of U.S. and
S.Am. pop mx;
theme from
Poseidon Adventure **DIFUSORAS DEL URUGUAY S.A.**
hrd. (3/3;
3/4; Donly, SC)
- 11885 0000 S.O.D.R.E., SS/EE, OM/YL, Piano concert mx; (4/3; 3/27. Ireland, TN)
(tx about National Library, 323; 4/6. Orr-CO)(4/4; 3/11; Klumb, CA)



EL ESPECTADOR
 CK 14-810 KHZ. CA A-19-11835 KHZ
 LIBERTAD SPORT
 CA 18-125 KHZ. CA A-81-6045 KHZ
 Difusoras Karcheski
 CW 37 1260 KHZ
 Soriano 1287 p'so 2°
 Tels 814 81-82 / 91 70 44

VENEZUELA

- 3255 0140 LV del Tigre, AS, mx, tlk; (232; 3/12. Maghakian, NY)
- 3385 0345 R. Barcelona, SS, Venez. mx; tlks, 0400* (4/3; 3/14. Kenyon, PA) LA
- 4760 0246 R. Frontera, SS, easy listening LA mx, over-modulated?? (212; 3/9. Blaize-
4770 0325 R. Bolívar, SS, pop mx, OM DJ; (4/4; 3/8. Prath, FL)(Del Rio, CA)
- 4780 0206 LV de Carabobo, SS, ID after long ad string, mx; (3/3; 4/5. Jones, MS)
- 4800 0350 R. Lara, SS, mx, ID, fqs, 0357* (333; 3/18. Heath, KY) + 5 reporters
- 4810t0314 R. Popular, SS, mucho QRM, RTTY; tent. ID; (312; 3/12. Blaize, LA)
- 4840 0329 R. Valera, SS, ID, noises, PSA, pop mx; (4/3; 4/7. Orr-CO) + 4 reporters
- 4850 1025 R. Capital, SS, "La revista Capital" ID's, TC. slight het (4/3; 4/10.
Jones, MS) + 4 other reporters.
- 4860 2351 R. Maracaibo, SS, TC's, "En R. Maracaibo...song title" after each song,
RTTY QRM (5/4; 4/6. Crawford, DE)(Novello, NY)(Lobdell, MA)
- 4900 0306 R. Juventud, SS, U.S. pop/rock mx; anmts; (4/4; 3/5. Karcheski, MA)
(3/3; 3/12. Prath, FL)
- 4908 0400* R. Carora, SS, s/off anmt, MW/SW calls,
power, NA, gone; (3/3; 4/1. Sheedy, CA)
- 4930 0130 LV de la Fe, SS, LA mx, tlk; ads,
very fast ID's by OM (333; 3/8.
Blaize, LA)
- 4940 0953 R. Yaracuy, SS, OM, inst'l mx; QRN,
(322; 4/10. Thompson, CA)(Prath, FL)
(Famularo, NJ)



Rumbos informa...en la próxima página.

DOMINICAN REPUBLIC

4785 0033 Onda Musical,
SS, OM tx,
ID, loud
het on fq;
(433; 3/19
Karcheski,
MA)



4825 0032 La Voz de las

Fuerzas Arma-
das, SS, TC for 8:32 P.M., full ID: "Esta es LV de las Fuerzas Armadas de
la República Dominicana." (343; 3/20. Novello, NY)(Blaize, LA)
(Ireland, TN)(Trautschold, WI)

4930 0140 R. Mil, SS, Vocals, guitar mx, orch. mx, (343; 3/29. Thompson, NM)
(333; 3/16. Tannenwald, NY)(Poole, GA)(Novellow, NY)

9505 2239 RTV Dominicana, SS, ID by YL, LA pops, vocals (433; 3/12. Jones, MS)

11700 2300 R. Clarin, EE, Rudi Espinal read my reception report!! (444; 4/4. John
Fisher, RI)(444; 4/4. Martin, LA) +14 other reporters.

GRENADA-R. Grenada

15105 2030 EE, nx, announced requests, bad het (322; 3/14. Baldwin, NC)(343; 4/4.
Poole, GA)(cricket game; Fisher, RI)(Hodsdon, MN)(Stroh, IL)(Donly, SC)

GUATEMALA

3300 0528 R. Cultural, SS, "Love is Blue", steady
light music, QRM W6YNT on 3295
(422; 4/6. Miller, CA)(Birkhaeuser, CA)
+ 5 other reporters.

3325 1045 R. Maya (tent.), SS, light, happy mx,
OM tlk, psbl. ID @1100, perhaps Ondas
Quevedeñas underneath (222; 3/31.
Trautschold, WI)

3360 0140 LV de Nahualá, SS, LA mx, SS tlks on Guatemalan politics (443; 4/7.
Martin, LA)(333; 3/12. Prath, FL)

3380*1058 R. Chortis Jocotan, SS, drums & flute IS, ID, foy, ranchera mx; (444;
3/30. Jones, MS)

4825 0150 R. Mam, SS, light mx, tlks; (453; 3/15, Heath, KY)

4835 0159* R. Tezulután, SS, ID, fays, "Muy buenas noches," carrier off @0200, Reloj
absent lately (434; 4/5. Jones, MS)

5955 0821 R. Cultural, SS, rel, tlks., ID, address, 0830* (232; 4/7. Orr-CO)

La Voz de Nahualá

3360 Kcls.

Nahualá, Depto. de Sololá
Guatemala, C. A.

HAITI-4VEH

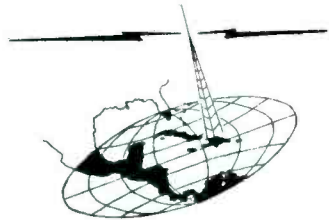
9770 2330 EE, nx, rel tlks, mx; (433; 4/5.
Martin, LA)

HONDURAS

4780 1150 R. Juticalpa, SS, "easy listening
mx", ID's, (343; 3/18.
Prath, FL)

4820 0340 La Voz Evangélica, EE/SS, "Master
Control" program, rel mx, into
SS @0400; (343; 3/8. Carrier, FL)
(433; 4/3. Owsley, CA) + 8

4890 0427 R. Lux, SS, soft mx, OM ancr;
(232; 3/4. Baum, FL)



MEXICO

2390 0058 R. Huayacocotla, SS, smooth SS mx; ID, tlk
and more mx; (454; 4/5. Martin, LA)(322; 4/8
Dalum, IN)(343; 3/15. Thompson, NM)

6105*1159 Su Pantera, SS, pop mx, opening remarks, ID,
calls, mx; (453; 4/2. Jones, MS)

6115 2320 R. Univ. de Sonora, SS, YL w/ lengthy talk and Q&A
session (444; 3/15. Thompson, CA)(mellow mx,
anmt, ID's (544; 4/3. Howell, CA))

6165 0622 LV de la América Latina, SS, LAm. mx, ID, call, SBC QRM not troublesome.
(232; 4/8. Jackson, OR)(333; 3/21. Hackney, TN)

15385 1200 R. Mexico, SS, "Concierto Dominical," (243, 3/19. Palafox, ND)(353;
3/12. Batson, KS) + 7 others reporters.

**RADIO
4 VEH**

MONTSERRAT-DW relay

6145 0850 GG, tlks, Swing Low, Sweet Chariot, (544; 3/31. Miller, CA)

9590 0515 SS, mx, ; (333; 3/8. Rounds, CA)

NETHERLANDS ANTILLES -R. Nederland Relay, Bonaire

- 6165 0233 EE, DX juke box, Asian DX report;
(544; 3/24. Miller, CA)
(Johnson, FL)(Chituck, MD)
- 9590 0234 EE, nx, ID by OM, (444; 4/12. Ehret, PA)
- 9770 0730 EE, to Aus. & NZ. (444; 3/23. Johnson,
FL)(Benjamin, CA)
- 21640 1730 AA, cmt; to MidEast/N. Africa; (353;
3/24. Hackney, TN)(Batson, KS)
(Thompson, CA)(Zilmer, WI)



Trans World Radio

TWR

- 11925 0035 EE, DX special, rel tlk: (544; 3/16. Miller, CA)(Stickle, NY)(Johnson, FL)
(Thompson, CA)(Mappin, WA)(Poole, GA)
- 15255 1345 EE, "Radio Bible Class" (555; 3/19. Thompson, CA)(Fraser, MA)
- 15415 0145 SS, mx, tlk; (353; 3/26, Earhart, PA)
- 15440 1335 SS, mx; (333; 4/10. Palafox, ND)

NICARAGUA

- 11875 1634 R. Dif. Nacional, SS, Excited OM DJ (QRN, 322; 3/19. Karcheski, MA)

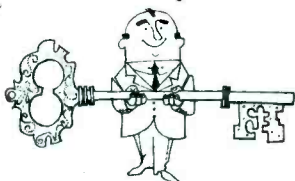
UNITED STATES OF AMERICA

- 11775 2107 WINB, EE, rel. px (222; 2/5. Hook, FL)
- 15185 2215 WINB, EE, px of rel, tlks, mixed w/. pop mx: (444; 3/18. Pimblett, ALTA)
- 15280 0030 KGET, SS, nx, read by OM: (433; 3/18. Baum, FL)
- 17880 1741 WINB, EE, "Jewish Voice Bc", "Camp Meeting Hour," (454; 3/22. T. Smith, FL)

BOOTLEG, UNIDENTIFIED, MISCELLANEOUS

- 1610 Bootleg, probably U.S., R&R mx, few armts, over-modulated, (3/21. Henderson, MD)
- 4800*0346 Unid; tlk by OM in SS, no ID's or mentions of countries, off at 0353
(over R. Lara) (444; 3/27. Howell, CA) - (perhaps a utility?? cph)
- 5850 0520 Voice of the Voyager (bootleg), rock and pop mx, mention of QSLs, hymn at
0525, 0527*. Back on @0545 time in. IS = 7 notes on guitar. testing...
1..2..3. 0551*. (322; 3/21. Jones, MS)(Gavaras, 3/20, good signal, MN)
- 6206 2300 WINT, Radio 62 (presumed bootleg), EE, Special test transmission, chimes
IS with many ID's, then pop mx to 2330*, hrd. again on 3/24 with 0002*,
low power station (322; 3/21. Zilmer, WI)
- 6335a0100 Marxist Radio, EE, here nightly with relay of R. Havana interrupted by
occasional ID -- R. Havana did not respond to my inquiry about "MR"
(333, Ambruster, WI)
- 6420 0130 Bootleg, continuous album rock, no armts, signal was very stable, perhaps
located in CA?? 0143*, then again on at 0307 and 0742 on 3/21.
Perhaps identical w/ station hrd around 6260 a while back. (Bixby, CA)

(((((!!))))))



A few short words on the identification of Spanish stations, for those of you who do not know Spanish. Here's the key --

If you hear:

esta es..... (és-tah és) ----- this is....

habla la voz de..... (á-blá lá vos...) ----- the voice of.....is speaking
you will probably hear the station ID right afterwards. It is good to get your ears
attuned to these two phrases, so that you can pick them out in the midst of QRM or
QRN. Most stations will use one of these two phrases. You will sometimes hear:

aquí la voz de... (a-kee...) here (is) the voice of

desde (place name)...(déz-de) ---- from (place)

los

Thus, the Voice of America ID's: Desde Washington, Esta es La Voz de/Estados Unidos
de América (From Washington, this is the Voice of the U.S.A.)

There are other ways of IDing in Spanish, but these are the most common. They are
mostly used at the hour and half hour, as in the U.S., and in between the DJ simply
inserts the station name in appropriate places, if then. See you in a month!!

Chris

Radio Juticalpa



de HONDURAS

One of Latin America's friendliest stations may not be a real powerhouse, signal-wise, but it surely is becoming better-known for its hospitality to DXers.

Radio Juticalpa is owned and operated by a very friendly fellow named Victor Rubí Zapata. It was through this kind gentleman that this information was obtained.

Radio Juticalpa, located in the town of the same name, is officially designated as HRRZ by the Dirección de Comunicaciones Eléctricas de Honduras. Juticalpa is a small city of about 7400 persons; and is known as the capital city of the Olancho district. Juticalpa is situated some 100 km north-east of Tegucigalpa, the nation's capital city - where the town is nestled upon the northern slopes of the Central American Cordillera mountain range.

Radio Juticalpa operates on these frequencies:

MEDIUM WAVE: 1240 kHz (1000 watts RP)

SHORT WAVE: 4780 kHz (500 watts RP)

VHF / F.M.: 107.1 MHz (100 watts RP)

The medium-wave transmitter is a Collins 205V. The make of the short-wave transmitter is unknown, but it was assembled in Honduras from parts manufactured in the U.S.A. On the antenna farms, the Medium-wave tower is 205 feet tall and omnidirectional in nature; while the short-wave transmitter is coupled with a high-gain "Delta"-type antenna, directionalized north-south.

HRRZ transmits its daily programming from 4:15 am to 10 pm local time; that is from 1015 - 0400 GMT. Honduran Official Time is GMT - 6 hours, or the equivalent of Central Standard Time.

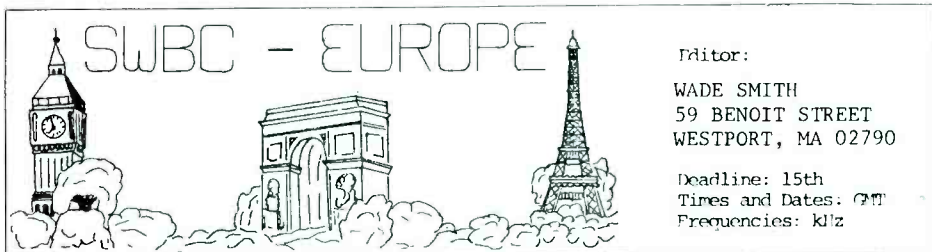
As for the programming itself, HRRZ carries all Spanish language material. The major news bulletins are: "Sucesos" aired Sundays at 1500 GMT, and "Comentarios" also on Sundays at 1615 GMT. (N.B. Sr. Rubí presents the latter himself.) The major announcers at the station are: Jimmy Orlando Aguirre, Efraín Murillo and Marco A. Calix M. The majority of programming is that of music; and the main types of music played on Radio Juticalpa consists of popular Latin American music; the unique "música ranchera". The música ranchera originated among the Mexican charros (cowboys), which is sung in a yodeling fashion accompanied by a combo of guitars and trumpets. Advertising keeps the station on the air, so naturally there is a wide range of announcements of a commercial character, such as: Mejoral, Coca-Cola and "in general... a wide variety of National and International merchandise..."

Sr. Rubí stated that Radio Juticalpa is very interested in receiving reports from overseas - either in English or Spanish. Radio Juticalpa receives up to ten foreign reception reports per month (with almost two-thirds of these coming from the U.S. alone). Reports using the SINPO code are welcome, as well as tape recordings. It is requested the IRCs not be sent with reports as they cannot be redeemed in Juticalpa (which seems to be the case of all but the largest cities of Honduras). Sr. Rubí recommends that mint stamps of Honduras would be acceptable. He also noted that the cost of an airmail letter to the U.S. and Canada is 12 centavos del Lempira (10,12) which is approximately six cents U.S. (The rate would be presumably higher to South Africa.)

The address for your reports is:

Radio Juticalpa,
Apartado Postal 3,
JUTICALPA - Olancho

HONDURAS, C.A.



Editor:

WADE SMITH
59 BENOIT STREET
WESTPORT, MA 02790

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

ALBANIA

6200 0245 R. TIRANA: Communist propaganda (323 3/5 Andersen-NY)(Miller-CA)
(Prath-FL)(Stone-ONT)(Martin-LA)(0333 Blaize-LA)(Chituck-MD)
7065 0005 R. TIRANA: nx, cmtry (444 3/21 Kurtz-MA)(Snyder-NY)(Hackney-TN)
7120 0320 R. PEKING via TIRANA: Communist Party tlk (443 3/8 Prath-FL)
7300 0347 R. TIRANA: cmtry (332 4/9 Reese-KS)(0130 Andersen-NY)
9480 2035 R. TIRANA: nx, cmtry & mailbag (333 3/24 Stone-ONT)(2215 433
3/21 Heath-KY)
9490 2045 R. TIRANA: tlk on Portugal (444 3/20 Famularo-NJ)
9500 *1100 R. TIRANA: ID, nx (444 4/8 Marable-ITALY)
9510a 0437 R. TIRANA: ID, cmtry (433 2/27 O'Brien-BC)
9745 0000 R. TIRANA: nx (ex 9750 to avoid jammer)
9780 0100 R. PEKING via TIRANA: nx & cmtry (433 4/6 Burke-VA)(Martin-LA)
(Brodsky-NY)(Rounds-CA)(Prath-FL)
25285 1400 R. GJIROKASTER: Albanian, mx, tlk @ 1401 mentioned Shkoder--
5th harmonic of 5057 KHz (243 3/26 Hauser-TN)

AUSTRIA

9770 *0130 ORF (Austrian Radio): "Austria Calling" (434 4/5 Martin-LA)
(Heath-KY)(Rounds-CA)(Johnson-FL)(Jones-MS)
15295 1230 ORF: nx, mx (322 3/12 Zilmer-WI)
15320 1230 ORF: to ECNA w/ report from Austria; ex 15425 since 3/19
(433 3/27 Lobdell-MA)(Earhart-PA)(Meehan-CT)(Hauser-TN)
15425 1230 ORF: nx (343 3/8 Fraser-MA)(Earhart-PA)(Maghakian-NY)
17710 1230 ORF: nx, mx // 15320 (322 3/24 Zilmer-WI)

BELGIUM

6080 0015 BRUSSELS RADIO & TELEVISION (ORU): "Brussels calling NA"
//9685 (333 3/21 Schwartz-PA)(Martin-LA)(Burke-VA)(Carrier-FL)
(Novello-NY)(Andersen-NY)(Ellis-OH)(Johnson-FL)(Davis-SC)
(Mayer-CA)(Snyder-NY)(Macris-MO)(Brame-IL)(Worrel-ND)
9685 0030 BRT (ORU): "Brussels Calling" (444 4/1 Malone-MA)
9760 1735 BRT (ORU): "Brussels Calling" (444 3/22 Marable-ITALY)
--9755 listed WRTH--ed.
21460 1458 BRT (ORU): FF, ID, nx (444 2/20 Davis-SC)(Earhart-PA)

BULGARIA

5930 2135 R. SOFIA: nx, tlk (423 3/26 Brame-IL)
7115 0430 R. SOFIA: Anniversary pgm (444 3/4 Smith-FL)
9530 0005 R. SOFIA: "Socialism Today" (333 3/16 Snyder-NY)
9705 0041 R. SOFIA: Mail-Bag (444 4/5 Peters-KY)(Fraser-MA)(McCurdy-CA)
9765 0132 R. MOSCOW via PLOVDIV: tlk, mx (333 3/21 Brodsky-NY)(0438
R. SOFIA Grenier-CA)(Klumb-CA)(Smith-FL)(Monjure-LA)
17825 1829 R. SOFIA: IS, s/on, nx (333 4/2 Maghakian-NY)

CZECHOSLOVAKIA

5930 0100 R. PRAGUE: nx, "Topics of the Day", &Mailbag (434 3/24 Malone-
MA)(Chituck-MD)(Stone-ONT)(Snyder-NY)(2000 Marable-ITALY)
(*0300 Prath-FL)(Reiley-MD)(0200 Trautschold-WI)
7345 0345 R. PRAGUE: cmtry (Owsley-CA)(Monjure-LA)(Garms-AZ)(segler-CA)
(Pimblett-ALBERTA)(Reese-KS)(Grenier-CA)(0100 Andersen-NY)
(Johnson-FL)(Hodsdon-MN)(Brodsky-NY)(Prath-FL)
9540 0153* R. PRAGUE: flk mx, ID, s/off (Rounds-CA)(0312 O'Brien-BC)
9605 1530 R. PRAGUE: ID, nx (312 3/21 Miller-CA)
11990 1615 R. PRAGUE: tlk (333 3/12 Famularo-NJ)
21700 0726 R. PRAGUE: IS, TC, ID (342 3/22 Kato-JAPAN)

DENMARK

15165 1619 R. DENMARK: Danish, IS, ID, nx, mx (222 3/25 Elder-SASK)
(1728 Jackson-OR)

FINLAND

9645 2300 R. FINLAND: IS, ID, nx (444 3/12 Kenyon-PA)
9755 *2300 R. FINLAND: nx, recipes (454 3/20 Worrel-ND)(Maghakian-NY)

FINLAND (cont'd)

11755 2030 R. FINLAND: IS, nx (322 3/22 Donly-SC)
 15105 1300 R. FINLAND: nx, "Standpoint" (333 3/18 Snellman-PA)(Miller-CA)
 (Hodsdon-MN)(Johnson-FL)(Thompson-NM)(Klumb-CA)(Sabadia-TX)
 (Earhart-PA)(Prath-FL)(Peck-NY)(1158 Kurtz-MN)(Smith-FL)
 15265 1925 R. FINLAND: tlk (Diamond-MD)
 15330 1300 R. FINLAND: Finland at its Sunday Best (222 3/25 Zilmer-WI)
 17870 1445 R. FINLAND: "News Magazine" (433 4/7 Kemp-Blair-CA)(Brodsky-NY)
 (Zilmer-WI)(Peck-NY)

FRANCE

11930 1950 R. FRANCE INT'L: FF, tlk, mx (343 3/26 Poole-GA)
 15200 1740 RFI: "Paris Calling Africa" (322 3/30 Hodsdon-MN)(Thompson-CA)
 (Pimblett-ALB)(Poole-GA)(Grenier-CA)(Smith-CA)(Brame-IL)
 15210 1708 RFI: PCA-nx (333 3/12 Miller-CA)
 15300 1729 RFI: PCA-nx (222 2/3 Hook-FL)(Kenyon-PA)(Brodsky-NY)
 15315 1600 RFI: PCA, new time 1600 to 1700 (444 4/6 Malone-MA)
 15330 0915 RFI: FF, Jazz (444 4/9 Marable-ITALY)
 15360 1707 RFI: nx, Spotlight on Africa (222 3/11 Norcross-HI)(Johnson-FL)
 15425 *1706 RFI: PCA-nx (433 3/16 Johnson-FL)
 17720 1700 RFI: PCA mx & nx (433 3/12 Famularo-NJ)
 17780 1707 RFI: PCA pgm (444 3/25 Snellman-PA)
 17850 1710 RFI: PCA, mx, addr P.O. Box 9516 (554 3/5 Carrier-FL)(Smith-FL)
 21580 1730 RFI: PCA w/ mailbag, now 1606-1657 GMT (333 3/12 Lobdell-MA)
 (Johnes-MS)(Miller-CA)
 21620 1730 RFI: PCA-nx, cmtry (454 3/11 Hagen-IL)(Somers-CA)(Miller-CA)
 (Thompson-NM)(Kanzigg-FL)

GERMANY, DEMOCRATIC REPUBLIC OF

9730 0108 RADIO BERLIN INTERNATIONAL: nx (423 3/21 Snyder-NY)(Elder-SASK)
 (Andersen-NY)(Mayer-CA)(1830 Beaudoin-CT)(0253 Karcheski-MA)
 11890 0337 RBI: nx, cmtry (433 3/20 Grenier-CA)(Klumb-CA)(Meehan-CT)
 15145 *1800 RBI: nx (434 4/1 Marable-ITALY)
 17880 1213 RBI: tlk (232 3/4 Hook-FL)(Zilmer-WI)(1405 Carrier-FL)(Davis-SC)
 (Kanzigg-FL)(1605 Smith-FL)(Beaudoin-CT)
 21540 1428 RBI: EE to SEA w/ mailbag (343 3/26 Lobdell-MA)(Hook-FL)
 (Prath-FL)(Kanzigg-FL)

GERMANY, FEDERAL REPUBLIC OF

3995 0115 DEUTSCHE WELLE: GG, flk mx (343 3/9 Prath-FL)
 6010 0465 DW: rpt on smiking (444 3/5 Reiley-MD)(Andersen-NY)
 6075 0125 DW: IS, ID (444 3/27 Keller-CA)
 6290 0625 SENDER FREIES BERLIN: GG, pop mx (423 3/12 Karcheski-MA)
 7130 2115 DW: "Politics & People" 2200* (433 3/22 Bowers-TURKEY)
 7265 0016 SUDWESTFUNK: GG, classical mx, ID at 0031 (434 3/24 Donly-SC)
 9605 0135 DW: nx (322 3/11 Hodsdon-MN)(0456 GG Bryan-CA)(Benjamin-CA)
 11770 2110 R. LIBERTY: Azerbadjzhan, tlk being jammed (422 3/12 Famularo-NJ)
 11905 1930 DW: s/on, schedule (353 3/20 Donly-SC)(Heath-KY)(2030 Hackney-TN)
 11945 0557 DW: IS repeatedly (444 3/23 Smith-CA)
 17780 1945 DW: sports (444 3/17 Famularo-NJ)
 17875 1200 DW: nx, cmtry (433 3/22 Zilmer-WI)
 21510 1600 R. LIBERTY: RR, IS, ID, tlk (332 3/25 Maghakian-NY)
 21665 1450 RFE: RR, opera mx (333 3/11 Maghakian-NY)
 21720 1325 RFE: Slovak, pop mx (343 3/18 Prath-FL)(1542 Czech Smith-FL)
 (1424 RR, Baum-FL)

GREECE

9655 2300 VOICE OF GREECE: Greek, Flute IS (433 3/15 Peck-NY)(2115 EE
 433 4/8 Donly-SC)
 9760 0015 VOG: nx (333 3/2 Klumb-CA)(0215 Stone-ONT)(0000 Greek Prath-FL)
 11730 0015 VOG: nx, mx (422 4/6 Ellis OH)(Burke-VA)(Prath-FL)(Smith-FL)
 (0217 Rounds-CA)(Andersen-NY)(Stone-ONT)
 17830 1215 VOG: nx // 15345 (332 3/14 Zilmer-WI)

HUNGARY

6000 2115 R. BUDAPEST: nx (423 1/27 Rakow-NJ)(0058 SS 433 4/4 Donly-SC)
 6080 0220 R. BUDAPEST: tlks (443 3/15 Prath-FL)
 6105 0300 R. BUDAPEST: nx, cmtry (343 3/19 Worrel-ND)(Klumb-CA)
 7200 *2100 R. BUDAPEST: s/on, ID, freqs, nx (444 3/20 Jones-VA)
 9585 0400 R. BUDAPEST: DX show (322 3/21 Angeloni-NY)(Martin-LA)
 (0205 Garms-AZ)
 11910 *0200 R. BUDAPEST: nx, cmtry, mx (444 4/8 Kemp-Blair-CA)(Prath-FL)
 (Fraser-MA)(Rounds-CA)(Stone-ONT)(Thompson-CA)(0320 Redman-IL)
 (Kanzigg-FL)(Pettit-IA)(Malone-MA)(Famularo-NJ)(Hackney-TN)
 (0130 Watson-CA)(Barry-CA)(Snellman-PA)
 15160 1200 R. BUDAPEST: nx (433 3/17 Zilmer-WI)
 17785 1200 R. BUDAPEST: nx, cmtry // 15160 (333 4/7 Zilmer-WI)

ITALY
6010 0110 ITALIAN RADIO & TELEVISION SERVICE (RAI): World & Italian nx
(433 2/23 Davis-SC)
9575 *0100 RAI: nx (444 3/9 Hagewood-TN)(Snyder-NY)(Klumb-CA)(Martin-LA)
9710 1905 RAI: Drunken Canary IS (222 Brookwell-CA)(0045 Rounds-CA)
11800 0100 RAI: nx (334 3/14 Kenyon-PA)(Mayer-CA)(Rakow-NJ)(1910 Donly-SC)
11905 0359 RAI: nx (444 3/29 Novello-NY)(Carrier-FL)(Famularo-NJ)
15330 0407 RAI: nx (343 3/7 Maghakian-NY)(0515 Barry-CA)

LUXEMBOURG
6090 0048 R. LUXEMBOURG: rock mx, DJ chatter (422 3/10 Dalum-IN)
(Birkhaeuser-MA)(Andersen-NY)(Davis-SC)(Hagewood-TN)(Prath-FL)
(Snyder-NY)(Fraser-MA)(Seymour-NC)
15350 1610 R. LUXEMBOURG: FF, pop mx (323 3/24 Hackney-TN)(Novello-NY)

MALTA
6100 0130 DEUTSCHE WELLE: tlk (444 4/10 Redman-IL)(Davis-SC)(Worrell-ND)

MONACO
7105 0620 TRANS WORLD RADIO: mx box IS, sung ID (333 3/25 Lentz)(0710
Earhart-PA)(Billier-NJ)(Rounds-CA)

NETHERLANDS
11730 1915 R. NEDERLAND: IS, s/off NS @1920* (131 3/27 Thompson-CA)
(2150 Stone-ONT)(Andersen-NY)
11950nf2130 R. NEDERLAND: nx & studio #6 mx (433 3/29 Johnson-FL)(McCurdy-CA)
(Hagen-IL)(Snyder-NY)
17700 1831 R. NEDERLAND: "Happy Station" pgm (544 3/26 Baum-FL)(Smith-CA)

NORWAY
9550 0200 R. NORWAY: "Norway This Week" (333 3/13 Keller-CA)(0015
323 3/23 Andersen-NY)
9605 0000 R. NORWAY: "Norway This Week" (333 4/3 Zilmer-WI)
9645 2214 R. NORWAY: 150th Anniversary pgm (222 3/19 Hook-FL)(0200
Malone-MA)(Johnson-FL)(2200 Zilmer-WI)(0615 Redman-IL)
(0500 NN Bryan-CA)
11860 2200 R. NORWAY: "Norway This Week" (322 3/26 Zilmer-WI)
15175 2200 R. NORWAY: "Norway This Week" (444 4/9 Seymour-NC)(1700
Hodsdon-MN)(1800 Grenier-CA)(1805 Bycura-PA)(Mayer-CA)
15345 1608 R. NORWAY: Listeners Choice (444 3/25 Taylor-PA)(Miller-CA)
(Klumb-CA)(Dalum-IN)(Zilmer-WI)
17800 1600 R. NORWAY: nx (Beaudoin-CT)
17840 1400 R. NORWAY: "Norway This Week" (433 3/26 Zilmer-WI)
21730 1559 R. NORWAY: NA, s/on, nx (353 4/9 Donly-SC)(Miller-CA)(Davis-SC)

POLAND
6095 0213 POLSKIE RADIO: mailbag (523 3/25 Chituck-MD)
7270 0200 POLSKIE RADIO: mailbag (333 3/25 Ellis-NH)
9525 0301 POLSKIE RADIO: tlks (222 3/8 Maghakian-NY)
9675 0635 POLSKIE RADIO: "Panorama" (433 3/15 Redman-IL)(Hagen-IL)

PORTUGAL
6025 0304 R. PORTUGAL: "Press Review" (433 4/2 Hagewood-TN)(Keller-CA)
(Smith-FL)(Rounds-CA)(*2030 Marable-ITALY)
9670 0904 AWR via SINES: "Voice of Prophecy" pgm (233 3/26 Stickle-NY)
11935 *0300 R. PORTUGAL: nx (453 3/25 Fraser-MA)(Redman-IL)(Smith-FL)
(0512 Grenier-CA)(0520 Earhart-PA)
21700 1601 R. PORTUGAL: nx (343 3/15 Smith-FL)(1545 PP Prath-FL)

ROMANIA
5990 0135 R. BUCHAREST: nx (343 3/16 Prath-FL)(Andersen-NY)(Klumb-CA)
(Martin-LA)(Peck-NY)(0010 SS Karcheski-MA)
9570 *0400 R. BUCHAREST: IS, nx (444 3/30 Howell-CA)(Johnson-FL)(Prath-FL)
11940 0400 R. BUCHAREST: "Tourist News" (333 4/8 Malone-MA)(Redman-IL)
(O'Brien-BC)(1518 Grenier-CA)(Owsley-CA)

SPAIN
6065 0225 R. NACIONAL DE ESPANIA: Tourist Guide (343 4/2 Hagewood-TN)
(Redman-IL)(0100 Andersen-NY)(0400* Prath-FL)
9360 0056 RNE: SS, tlks (444 3/21 Pimblett-ALB)(Martin-LA)(Thompson-CA)
(Hodsdon-MN)(Watson-CA)
11880 0100 RNE: IS, ID, nx (332 4/6 Mappin-WA)(Stone-ONT)(Fraser-MA)
(Klumb-CA)(Johnson-FL)(Malone-MA)(Howell-CA)(O'Brien-BC)
(Pimblett-ALB)(Miller-CA)(Howarth-WA)(Stickle-NY)

SPAIN (cont'd)

11830 0100 (Kanzig-FL)(Jackson-OR)(Miller-CA)
 15290 1842 RNE: AA, tlk, pop mx (333 3/19 Donly-SC)(Karcheski-MA)

SWEDEN

6065 1600 R. SWEDEN: tlks (444 3/19 Rakow-WJ)
 9605 2115 R. SWEDEN: "Sweden Calling DXers" (434 3/21 Bowers-TURKEY)
 (2300 Mayer-CA)(Andersen-NY)(Burke-VA)
 9696 *2300 R. SWEDEN: nx, Panorama (232 3/21 Sabadia-TX)(Pettit-IA)
 (Snellman-PA)(Ellis-OH)(Redman-IL)(Segler-CA)(Carrier-FL)
 (0230 Zilmer-WI)
 9745 0250 R. SWEDEN: "Sweden Calling DXers" (433 3/7 Ireland-TN)
 (Hodsdon-MI)(Redman-IL)(Hagen-IL)(Mayer-CA)(Worrel-ND)
 (Karcheski-MA)(Pimblett-ALB)(DelRio-CA)(Prath-FL)(Somers-CA)
 11700 2300 R. SWEDEN: nx (222 2/15 Hook-FL)
 11855 0240 R. SWEDEN: cmtry // 9745 (443 3/8 Maghakian-NY)(Ireland-TN)
 Keller-CA)
 15125 1230 R. SWEDEN: mx // 15305 & 21690 (222 3/24 Zilmer-WI)
 15130 1430 R. SWEDEN: tlk // 17740 (343 3/18 Zilmer-WI)
 15240 1600 R. SWEDEN: "Saturday Show" (333 4/8 Grenier-CA)(Thompson-CA)
 15305 1235 R. SWEDEN: tlk (242 3/8 Earhart-PA)
 17735 1415 R. SWEDEN: "Sat. Special" // 11850 & 17790 (343 3/11 Maghakian)
 (Zilmer-WI)
 17790 *1400 R. SWEDEN: "Sat. Show" (423 3/11 Novello-NY)(Snyder-NY)
 (Brodsky-NY)(Carrier-FL)(Davis-SC)
 21555 1445 R. SWEDEN: Swedish, poetry reading, USB (254 3/14 Novello-NY)
 21650nf1200 R. SWEDEN: Swedish, tlk, mx // 21690 ex 17770 (443 3/24 Zilmer)

SWITZERLAND

6045 0430 SWISS BROADCASTING CORP: world nx (233 3/9 Klumb-CA)
 6135 0200 SBC: tlks (444 4/10 Redman-IL)(Thompson-NM)(Andersen-NY)
 7210 *0600 RED CROSS BROADCASTING SERVICE via SBC: freq and times, 0600
 1130, 1700, 2200 (243 3/27 Ambruster-WI)(Peck-NY)(Hagen-IL)
 (Kasprzyk-TX)
 9535 0717 SBC: "Dateline" (433 3/21 O'Brien-BC)
 9725 0200 SBC: "Dateline" (4/7 Gunn-IL)(Reese-KS)(Martin-LA)(Hagewood-TN)
 (Pettit-IA)(Somers-CA)(Rounds-CA)(Schwartz-PA)
 11715 0143 SBC: "Dateline" (444 3/14 Kenyon-PA)(Mayer-CA)(Howell-CA)
 (Naylor-CA)(Thompson-NM)(Owsley-CA)
 11720 0600 SBC: GG, s/on to Africa (222 4/4 Harada-HI)
 11870 0205 SBC: "Dateline" (444 3/22 Johnson-FL)
 15305 0200 SBC: Swiss SW Merry-Go-Round (423 3/26 Brame-IL)(1322 Lentz-PA)
 (0715 Chituck-MD)(2305 Earhart-PA)(1900 GG Barry-CA)
 15430 *1530 SBC: "Dateline Friday", s/on (545 3/31 Thompson-CA)(Mayer-CA)
 (Grenier-CA)(Carrier-FL)(1120 Prath-FL)
 17830 2326 SBC: PP, Swiss mx (343 3/11 Maghakian-NY)(*1530 EE Carrier-FL)

UNITED KINGDOM

5975 0030 BBC: mx (434 3/7 Reiley-MD)(McCurdy-CA)(Smith-CA)(Earhart-PA)
 7150 0700 BBC: nx (444 3/6 Smith-FL)(Rounds-CA)
 7200 0322 VOA via WOFFERTON: Breakfast Show (333 3/22 Thompson-NM)
 (Hagen-IL)(Dalum-IN)
 9410 2200 BBC: world nx (444 4/2 Redman-IL)(Martin-LA)
 9825 0400 BBC: Arabic, Big Ben, nx (444 3/29 Mappin-WA)(0110 Hindi, Reese)
 11710 1503 VOA via WOFFERTON: nx, beam to USSR-ed. (243 3/27 Fraser-MA)
 12095 1915 BBC: Radio Play (444 3/12 Kenyon-PA)(Lentz-PA)
 15070 1400 BBC: Classical Piano Mx (323 3/9 Blaize-LA)(Hackney-TN)
 21710 1229 BBC: mx (332 3/26 Kato-JAPAN)(Carrier-FL)(Burke-VA)(Famularo-NJ)
 (Blaize-LA)(Kemp-Blair-CA)

UNION OF SOVIET SOCIALIST REPUBLIC

4610 1233 FAR EAST DOMESTIC SERVICE via KHABAROVSK: RR, melodramatic talks
 (333 3/19 Thompson-CA)
 5970 0740 R. MOSCOW via ALMA ATA: RR, classical mx (545 3/29 Thompson-CA)
 6020 0307 R. KIEV: nx (434 3/17 Reiley-MD)
 6265 0200 R. MOSCOW: "Thinking Out Loud" (444 3/19 Malone-MA)
 7130 0215 R. MOSCOW via VINNITSA: DX pgm (444 4/6 Malone-MA)(Redman-IL)
 (Snyder-NY)(Brodsky-NY)
 7150 0030 R. KIEV: nx, "Viewpoint" (454 3/2 Fraser-MA)
 2313 R. VILNIUS: (Earhart-PA)
 7170 2245 R. MOSCOW via KHABAROVSK*: nx (454 4/4 Martin-LA)
 7190 0045 R. MOSCOW via MOSCOW*: tlk (444 3/11 Prath-FL)(2300 Fraser-MA)
 7200 6300 R. MOSCOW via KRAVIV*: IS, nx (222 3/6 Smith-FL)

UNION OF SOVIET SOCIALIST REPUBLIC (cont'd)

7205 0110 R. MOSCOW via SIMFEROPOL*: nx (323 3/29 Chituck-MD)
 7210 0335 R. MOSCOW: nx (444 4/5 Redman-IL)
 7215 *0300 R. KIEV: IS, ID (332 0300 4/2 Trautschold-WI)
 2335 R. RODINA: RR, classical mx (433 3/24 Hackney-TN)
 7225 0305 R. KIEV: nx (433 2/10 Davis-SC)
 7245 0300 R. MOSCOW: nx (454 3/19 Schwartz)
 7290 2340 R. RODINA via SIMFEROPOL: RR, classical mx (523 Hackney-TN)
 7360 2126 R. MOSCOW via MOSCOW*: "Moscow Mailbag" (232 4/2 Dalum-IN)
 7400 2315 R. VILNIUS: Letterbox (454 3/15 Carrier-FL)
 0315 R. KIEV: nx (454 3/14 Prath-FL)
 7420 *2130 R. MINSK: Byelorussian, IS, ID (332 3/24 Heath-KY)(Peck-NY)
 7440 2130 R. MOSCOW via NOVOSIBIRSK: tlk (544 3/28 Chituck-MD)(Stroh-IL)
 9490 2300 R. MOSCOW: SS, IS, nc (343 4/2 Jones-MS)(0531 RR Earhart-PA)
 9590 0523 MAYAK: RR, mx, IS, ID (433 3/8 Maghakian-NY)
 9610 2330 R. MOSCOW via KHABAROVSK*: SS, IS, ID (433 4/2 Jones-MS)
 2305 R. VILNIUS: Mailbag (433 3/19 Redman-IL)(Zilmer-WI)
 0300 R. KIEV: nx (434 3/20 Malone-MA)
 9615 2306 R. VILNIUS: nx (544 3/27 Hook-FL)
 9660 2335 R. MOSCOW via TASHKENT*: "Moscow in Review" (433 3/13 Redman-IL)
 9685 2320 R. MOSCOW via SIMFEROPOL*: Mailbag (433 3/19 Redman-IL)
 9720 0300 R. MOSCOW: nx (434 2/27 Andersen-NY)
 9760 2324 R. MOSCOW via KINGISEPP*: Moscow Review: (443 3/7 Smith-FL)
 9765 0330 R. MOSCOW via PLOVDIV: Moscow Review (434 3/28 Malone-MA)
 (Reese-CA)(Stroh-IL)
 9790 2120 R. MOSCOW: nx (333 3/24 Stone-ONT)
 9795 2100 R. MOSCOW via SERPUKHOV*: "Communist Outlook" (434 3/15 Burke-VA)
 (Stone-ONT)
 11705 0110 R. MOSCOW via SERPUKHOV: PP, tlks (222 Brookwell-CA)
 11845 1235 R. PEACE & PROGRESS: nx (444 2/27 Hook-FL)(Earhart-PA)
 11890 2200 E. MOSCOW via Frunze: PP, IS, ID, MX, NX (Gavaras)
 12040 2145 R. MOSCOW via ARMAVIV: Africa mailbag (Brodsky-NY)
 15100 0030 R. KIEV: DX pgm (323 3/29 Andersen-NY)
 15110 1430 R. PEACE & PROGRESS via KIEV*: nx (422 3/18 Zilmer-WI)(Barry-CA)
 15220 1430 R. PEACE & PROGRESS via RIGA*: ID (? reporter)
 15455 0110 R. MOSCOW via SIMFEROPOL: nx (544 4/6 Mappin-WA)
 15470 2000 R. MOSCOW via ARMIVAR: nx (433 4/1 Zilmer-WI)(1630 Barry-CA)
 17720 0030 R. MOSCOW via PETROPAPLOVSK*: nx (343 3/12 Zilmer-WI)
 17860 1200 R. MOSCOW via KURSK*: nx (433 3/12 Zilmer-WI)
 21490 1330 R. MOSCOW via BAKU*: nx (332 3/12 Zilmer-WI)(Dalum-IN)
 21575 1335 PEACE & PROGRESS via MOSCOW: nx (333 3/18 Marable-ITALY)(Zilmer)
 24140 1425 RADIOSTANSIYA RODINA via NOVOSIBIRSK*: RR pop mx, 2nd harmonic
 12070 (353 3/11 Novello-NY)

*Site references UHN & SPEEDX

VATICAN

5995 0100 VATICAN RADIO: speech (333 3/2 Garms AZ)(Jones-VA)
 6015 0100 VATICAN R.: nx move from 5995 // 9605 & 11845 (433 4/2 Zilmer)
 (Klumb-CA)
 9605 0110 VATICAN R.: Pope's Address (444 3/20 Novello-NY)(Ellis-OH)
 (Hagewood-TN)(Snyder-NY)(2000 Andersen-NY)
 9645 1900 VATICAN R.: Czech., IS, ID (333 3/5 Karcheski-MA)(2003 EE
 Famularo-NJ)
 11800 0100 VATICAN R.: cmtry (555 3/10 Johnson-FL)
 11845 0100 VATICAN R.: IS, church nx (544 3/4 Donly-SC)(Mayer-CA)(Barry-CA)
 17825 1520 VATICAN R.: tlk (343 4/1 Garfield-MA)
 17900 1200 VATICAN R.: religious nx (333 3/22 Zilmer-WI)(Thompson-CA)

YUGOSLAVIA

9620 2200 R. YUGOSLAVIA: nx & cmtry (523 2/24 Davis-SC)(Hagewood-TN)
 (Martin-LA)(Smith-FL)(Mellinger-NJ)(Hodsdon-MN)(Redman-IL)
 (1540 Miller-CA)
 15240 1528 R. YUGOSLAVIA: IS, ID, nx (333 3/30 Mayer-CA)(Klumb-CA)
 (1636 Keller-CA)

UNIDENTIFIED

12078 0302 GG, non-stop European pop mx until 0400. Single time pip at
 0315 & 0400. Tlk about Israeli raid on Lebanon (343 3/17
 Jackson-OR)

Thanks to the 104 contributors. Thank heavens were finished!!!!!!

*Wade
 Anne*

SWBC DX

AFRICA



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Times & Dates: GMT
Frequencies: kHz



FEBA
Seychelles

We have lots of loggings this month from 81 reporters!!! However we also have a lot of news and information, so I'll use my better judgement, HI!!! and cut some of the easier countries. If anyone wants info on the ones I cut just send me a SASE for a quick reply....here we go.....

ALGERIA

11740 0135 RTVA: AA anns by OM, Koran readings, overmodulated (442 4/8 Martin-IA)
15163m 2100 RTVA: AA mx, TC & ID's on hour 0106* (442 4/8 Donly-SC)

ANGOLA

4178 2248 Emisora Angola (Lobito): PP tlks, mx (fair ??? Henderson-MD)
5033 0535 Emisora Angola (Cabiada): FF tlks (good 3/17 Henderson-MD)
5192 2239 Emisora Angola: Moxico old xmtr. heard here for the first time since Civil war w/PP mx/tlks, ID's for Angola heard many times, also "Viva Cuba!" (exc. 3/24 Henderson-MD)
9660 1615 Radio Nacional: Vern tlks, 1630-"This is the Voice of Namibia transmitting over Radio Nacional of the People's Rep. of Angola, Luanda" 7245 announced but not heard, anti-SWAPC tlks, vern again at 1640 (333 3/24 Thompson-CA)
11955 *0400 Radio Nacional: PP s/on reported by Messrs. Heath, Feck, Zilmer and Novello with fair to good reception

BENIN

4870 0030 ORTB: FF OM tlks, ID (444 3/22 Heath-KY)(433 4/9 0019 Dalum)

CAMEROON

4850 0415 Radio Yaounde: FF DJ w/"The Morning Show", mx (444 3/19 Famularo-NJ) BBCMS reports this freq. dropped....wlo
5010 0530 Radio Garoua: Vern. nx, 0600 IS of flute& tam-tam, FF ID and nx, 0610 EE ID and nx (333 3/19 Butterfield-MA)
9745 0510 Radio Yaounde: EE nx to 0520 then into FF (343 3/18 Keller-CA) 0520-0615 in FF rept. by Donly, Ambruster, Grenier, Famularo, and Seymour w/EE at 0615.....

CANARY ISLANDS

11880 0332 Spanish Foreign Radio: (Tenerife relay) EE cmty on French elections (444 3/21 Burke-VA)(343 3/8 2050 SS Garms-AZ)

CENTRAL AFRICAN EMPIRE

5038 2200 Radiodiffusion Nacional: FF w/IS, ID, nx (555 3/18 Butterfield)

CHAD

4904.5 2218 Radiodiffusion Nationale: FF ID's as "Ici N'djamena" (434 3/18+ Butterfield-MA) Also reported in FF from *0430 to 0630* by Koval, Famularo, Garms, Mayer, Fowler and Deaton.....

CONGO

15190 2235 RTC: FF tlks, ID as "La Voix de la Revolution Congolaise" (444 3/29 Brame-IL)(343 3/10 2305 FF Garms-AZ)(333 3/13 0010 Kenyon-PA)(433 3/16 2130 FF Deaton-GA)(433 2130 EE Birkhaeu)

BBCMS ITEMS- ALGERIA- RTVA's program "Voice of the Chilean Resistance" ser) in Spanish, broadcast from 0003-0030 is now on 7246 and 6160. EGYPT-Radio Cairo's ext. serv. to Europe is best. on 9805 w/ Italian 1900-2000, German 2000-2100, French 2100-2215, English 2215-2345. ETHIOPIA-Voice of Revolutionary Ethiopia's domestic service has *0330 on nf of 71107/4905.....

EGYPT

6230 0220 Radio Cairo: EE commentary, ID's (353 3/17 Thompson-NM)
 9475 *0200 Radio Cairo: EE s/on, world nx (333 3/9 Klumb-CA)(444 3/16
 0300 EE Snellman-PA)(444 4/9 0322 EE Owsley-CA)(454 3/6
 0300 EE Worrel-ND)(343 3/13 0200 EE Segler-CA)(333 3/23
 0245* EE Malone-MA)
 9805 2245 RC: (Eur. Service) EE "Egypt Today" (544 4/8 Donly-SC)
 (453 3/6 2240 EE tlks on Palestine Stickle-NY)
 15210 2110 RC: Yoruba tlks by OM, ID at 2113 (544 4/8 Donly-SC)
 17670 1751 RC: AA mx, tlks, anns (455 3/14 Novello-NY)(453 3/12 1600 AA
 Jones-MS)

ETHIOPIA

4905 *0328 Voice of Revolutionary Ethiopia: Flute IS, Amharic s/on,TC
 (343 3/17 Heath-KY)(212 3/12 0330 Onken-IL)(exc. 3/22 0400
 Amharic Henderson-MD)
 7110 *0328 VORE: Amharic s/on (333 3/18 Maghakian-NY)(322v 3/20 0340
 Amharic Peck-NY) See BBCMS notes 4905//7110.....wlo

GABON

4777t 0515 Radiodiffusion Gabonaise: FF tlks, much QRN (252 3/26 Howell-
 CA)(252 3/12 (tent.) 2230 vern Peck-NY)

GHANA

3350 2238 GBC 1 Ejura: Vern tlks, EE nx 2250 (434 3/25 Butterfield-MA)
 3366 2235 GBC 2 Accra: EE w/ Good Friday relig pgm, ID as "This is GBC
 II, Accra, the commercial service of the GBC." // to 3350
 at 2250 nx 2304* (444 3/25 Butterfield-MA)
 4915 0537 GBC 1: EE w/30 minutes of uninterrupted religious mx, ID at
 0600 (433 3/26 Dalum-IN) + Koval,Mayer,Pettit, Heath,Klumb,
 Brodsky and at 2230 by Kenyon,Novello,Lentz and Poole
 4980 0610 GBC Accra: EE nx by YL (343 3/18 Ambruster-WI)

GUINEA

15308 2235 Radiodiffusion Nationale: FF tlks, ID at 2246 (544 3/28
 Donly-SC)(343 3/27 2355 FF Ambruster-WI)(343 4/1 2245 FF
 Earhart-PA)(333 3/31 1624 FF Thompson-CA)

IVORY COAST

4940 2340 RTVI: FF OM w/mx, nx at 2355 (433 4/10 Brigham-IL)(454 3/16
 *0600 FF Heath-KY)(312 3/5 0610 FF QRM de R. Colosal, Blaize)
 7210t 0615 RTVI: FF mx, tlks (333 3/26 Karcheski-MA)
 11920 2145 RTVI: FF tlks, QRM de VOA 11915 (222 3/11 Baum-FL)(453 3/18
 2215 Vern Hagen-IL)

KENYA

4804 1826 Voice of Kenya: Vern tlks to 1830, into EE (232 3/23
 Hardester-WA)(333 3/14 0255 EE Heath-KY)(322 3/18 2130 Vern
 mentions of Nairobi, No ID heard so tent. Butterfield-MA)
 4915t 0438 VOK: Lang tlks, mx (323 4/8 Martin-LA) In a QSL Aerogramme
 I just received from VOK, the Chief Engineer wrote that
 4915 should actually be heard better in U.S. because of
 more power used!!! Doesn't make sense though.....also was
 very concerned about the many reports of a ute on freq....
 said they appreciate and answer all reports....wlo....

LESOTHO

4800 0404 Radio Lesotho: Lang tlks, choral mx, anthem (121+ 3/20
 Lobdell-MA)(311 3/27 *0400 ??? Howell-CA)(322 3/18 *0400
 ??? National anthem after R. Zara off, ute QRM Heath-KY)

LIBERIA

3227 *0615 ELWA: EE/vern ID at s/on "This is Radio Station ELWA
 broadcasting in the 90 mb in Liberian languages" into
 vern tlks (434 3/26 Butterfield-MA)
 4770 2258 ELWA: EE ID, tlks 2301* (444 3/25 Lentz-PA) + 7 others
 7175 0730 VOA: FF nx (354 4/5 Dawson-CA)
 7280 0712 VOA: EE tlks on World powers (353 4/5 Dawson-CA)
 11830 0630 ELWA: EE ID into vern tlks and mx (444 4/2 Maghakian-NY)+5
 11945 *0630 ELWA: S/on in EE into AA mx and anns (434 3/20 Jones-VA)+2
 15445 1840 VOA: EE ID in the African Service, QRM de WYFR (Ambruster)
 17870 2222 VOA: EE w/Jazz Hour (333 4/8 Grenier-CA)

LIBYA

6206 2145 MEBO II: Pop mx, "Man of Action" theme at 2159 and into AA tlks which were //PRBS on 9500 (444 3/27 Donly-SC) (343 3/24 2058 pop mx, relay of PRBS at 2130 Maghakian-NY)
 BBCMS NOTE: The radio-ship "Mebo II" believed to be anchored in Libyan waters, was observed on 12, 13 and 15th of March relaying the domestic service foreign language program of the Socialist People's Libyan Arab Jamahiriya Broadcasting Corp. (SPLAJBC) on 6206 khz. A closing announcement said that the foreign language service would be back on the air at 1410 with French. No mention was made of 6206 khz. This service was previously relayed by the radio-ship from 6/28 to 7/16/77....BBCMS Also according to the 1978 WRTVH the Mebo II is to be regularly used to relay the domestic service.....wlo
 9500 2247 PRBS: AA political talks, ID (544 4/8 Dalum-IN) +18 others
 15100 1525 PRBS: AA mx, ID at 1530, chants (343 3/22 Famularo-NJ) +11

MADAGASCAR

3288 0257 Radio Madagaskara: first heard at 0257 with string IS and heavy ute QRM. IS was followed by a short vocal then clear ID by OM, then tlks (21122 3/17 Lentz-PA) via SPEEDX-Gram)

MALI

4825 *0600 Radiodiffusion Nationale: FF ID as "Ici Bamako..." (444 3/25 Heath-KY)
 5995 2245 RN: FF pgm of local mx, ID at 2304 (444 4/10 Donly-SC)+3

MAURITANIA

4845 2349 Radiodiffusion Nationale: AA tlks, mx (333 4/4 Martin-LA)
 4850 0715 RN: AA nx, guitar mx, FF ID at 0740 (454 3/28 Donly-SC)
 This was one night only...back on 4845 next night....

MOZAMBIQUE

3210t 0348 Radio Mocambique: PP OM tlks, U.S. style mx (444 3/16 Karcheski-MA)
 4896 ??? RM: Beira heard here w/s/on and ID in PP, bow type IS (good 3/22 Henderson-MD) Dan, what time was this???
 BBCMS NOTES: Radio Mozambique's domestic service "A" program in Portuguese is currently broadcast between 0700 and 1500 on 15337 instead of 15295. This is in parallel with the scheduled 11820, 9620, 7240, 6115 and 4865 Khz.

NIGERIA

3396 0405 NBC-Kaduna: EE/vern tlks, vern at 2235, drum IS and into EE at 2300 (333 3/18 Butterfield-MA)
 4932 2300 NBC-Benin City: EE w/drum IS, TC, ID, nx from Lagos 2305* // Lagos 4990 (444) and Kaduna 3396 (323) after 2300 (322 4/5 Butterfield-MA)
 4990 2240 NBC-Lagos: EE mx and nx, 2305* (434 4/6 Pallen-Quebec)
 7275 0620 Voice of Nigeria: (Ext. Serv.) EE tlks by YL, into vern, after 0630 nx (322 3/18 Rounds-CA) +9 others
 11770 1802 VON: EE ID, 10 minutes of nx, mx program (333 3/9 Garms-AZ)

RHODESIA

3396 0400 RBC: EE nx by YL, ID as...this nx comes to you from the RBC. commentary //3306 (323) (433 3/27 Butterfield-MA)(323 3/9 0403 EE Onken-IL)(232 4/5 0405 EE Seymour-NC)

RWANDA

7225 0430 DW: EE nx, mx (343 3/27 Kasprzyk-TX)
 11795 0105 DW: GG ID, then into GG nx (343 3/11 Garms-AZ)
 15410 1200 DW: EE nx //17765 (322 4/2 Zilmer-WI)
 17765 1200 DW: EE nx //15410 (343 3/18 Zilmer)(523 3/25 1200 EE Hook-FL)

From Richard Varron in this months SPEEDX-GRAM: DW via Kigalia was heard on 24640 (4 x 6160) at 1830 on 3/28 w/GG pgms. This was only one of many harmonics heard this week. The DX program is broadcast on the second Saturday of the month during the third hour of their German program.... about 40 minutes past the hour. The program is German/English.....

SAO TOME e PRINCIPE

4806m 2145 Radio Nacional: PP tlks, Rtty QRM (333 3/18 Butterfield-MA)

SENEGAL

4890 *0600 Radiodiffusion du Senegal: NA, FF s/on by YL, (343 4/8 Donly-SC)(444 3/12 0700 FF Karcheski-MA)(344 4/8 Martin-IA)

SEYCHELLES

11755 0307 FEBA: Mavathi (WRTVH) s/on w/IS (444 3/5 Earhart-PA)
 11800 0402 FEBA: EE tlks relig pgm QRM de Moscow @ 0425 and from AFRTS 11805 & VOA 11790 (222 3/9 Dalum-IN)(544 3/7 *0300 ??? EE at 0400 Rakow-NJ)(222 2/27 0355 EE Garms-AZ)
 11840 0343 FEBA: IS, AA s/on, mx, Koran readings (444 3/21 Maghakian)

SIERRA LEONE

3316 2245 SLBC: EE tlk, commentary on Rhodesia and Zambia, 2310 f/out (333 3/25 Butterfield-MA)(232 3/19 0600 EE Dalum-IN)

SOMALIA

9585 1748 Radio Mogadishu: AA tlks, crowd cheering (232 until NFK s/on 1756 3/22 Thompson-CA)(444 3/5 1834 AA Karcheski-MA)

BBCMS Sked for Somalia Ext. Serv. Hargeisa uses 11045 & 1120, Mogadishu uses 9585 & 6095. (Due to severe QRM Hargeisa's xmsn are not confirmed) Arabic-1000-1100, 1630-1930: 9585 khz. English-1100-1130: 9585 khz Italian-1130-1200 & French 1200-1230 both on 9585. Afar/Amaharic/Galla language transmissions are on at 1230-1330, 1330-1430, 1430-1530 hours respectively on all of the above freqs. (incl. Hargeisa) Swahili is on from 1530-1630 on 9585//6095.

SOUTH AFRICA

3250 0230 SABC: EE Ads, mx, ID (444 3/4 Garms-AZ) +4 others
 3320 0400 Radio Five: EE Ads, wx (323 3/9 Kenyon-FA) +3 others
 4810 0430 Springbok Radio: EE world nx, ads (454 3/23 Heath-KY) +10
 4835 0500 SABC: w/EE world nx (232 3/17 Famularo-NJ) + 8 others
 4990 0414 RSA: EE to West Africa w/"Good Morning Africa" (343 Lobdell)
 5980 0343 RSA: EE to East/Central Africa and the Mideast, 0330 mx prog QRM de Mexico 5985 (222 4/2 Trautschold-WI)
 7270 0255 RSA: IS, TC, s/on in EE, nx (343 3/23 Thompson-NM)
 9585 2235 RSA: EE nx, ID, S. African Panorama (343 3/17 Earhart-FA)+18
 11900 1458 RSA: Lozi (per sked) news, (222 3/20 Kurtz-MN) +11 others
 15155 2239 RSA: EE w/ Saturday Night RSA (444 4/8 Grenier-CA) +8
 15220 0604 RSA: EE nx, ID, freqs, cmnty (353 3/11 Famularo-NJ) +6
 17780 1550 RSA: FF tlks, 1555* (222 3/10 Levesque) het w/RFE-17775....
 21535 1100* RSA: EE s/off (343 4/1 Hardester-WA)

SWAZILAND

4760 0407 Trans World Radio: Afrikanns tlks (454 3/26 Heath-KY) (322 3/15 0410 Afrikaans Pimblett-Alberta)
 4980 0615 Swazi Commercial Radio: EE ID, ads (322 4/8 Donly-SC)(333 3/18 0415 EE/vern ads, TC's for GMT+2 (333 3/18 Sheedy-CA)
 17745 *1710 TWR: FF S/on (333 3/13 Naylor-CA) Spence is this *1910???wlo

TANZANIA

15435 0340 Radio Tanzania: EE ID, nx (343 3/22 Keller-CA)(343v 4/2 0415 EE/vern Maghakian-NY)(333 3/31 0400 EE Mayer-CA)

BBCMS Sked: The 0330-0500 and 1530-1915 transmissions to East, Central and Southern Africa of Radio Tanzania's Ext. serv. are currently best. on 9680 and 15435. (9680 replaces 6105). The 0900-1030 xmsn to East Africa continues on 9750. Sat. and Sunday this service goes to 1530.

TOGO

3222 0545 Radiodiffusion-Television Togolaise: (Lama-Kara) FF w/ several ID's for Lama-Kara, ute at 0610, also at 2230* w/ID, anthem on 3/25 (433 3/26 Butterfield-MA)
 5047 2222 RTT: FF tlks, pop mx (422 3/19 Meehan-CT)(333 3/31 0614 FF Davis-NJ)(353 3/20 *0530 FF Heath-KY) 173^{ls} Wayne

TUNISIA.....same as last month....wlo

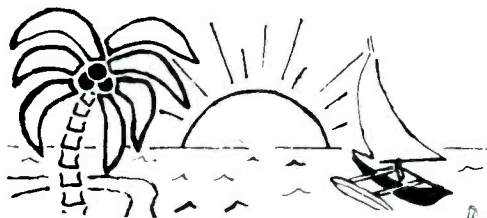
UGANDA

3925 0906 Ugandan Broadcasting Commission: EE ID, then vern/EE Lang. lessons. This was wiping out Port Moresby (444 3/10 Norcross-HI) fine catch OM...wlo. I'm cutting 15325 logs to run sked....

BBCMS Sked:UBC Ext. Serv. 6030 khz-0900-1100 & 1300-1417 EE/vern. pgms 1417-1500 Swahili. 1500-1530 English and 1530-1600 French. 1700-1730 EE 9515-EE 1700-1730. 15325-EE 1800-1830 (su.Tu. Th. Sa.) 9730-EE 2030-2100 (Su.M.W.F.) + other langs & times BCNU in 30, hope you like the added info.

ASIA-OCEANIA

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DEADLINE: 15th of the month

FREQ TIME LOCATION

AFGHANISTAN

4775 1503 OR R. Afghanistan: Mideast mx, Pushtu? ancmts by OM (Jackson 3/20)
15365 *1130 KY RA: EE nx, IDs, local/pop mx (Peters 4/5)(Donly SC)(Norcross HI)

BANGLADESH

15521 1230 MA RB: EE nx, cmtry, mx, freqs, address (Hammond 4/17)(Zilmer WI)
21683v 0443 JPN RB: EE w/ IS, nx by OM, pop mx, local mx, RA QRM (Kato 3/20)

BRUNEI

4865 1400 OR RB: Bahasa Malaysia nx, local mx, gongs (Jackson 3/20 343)
7215 1315 NM RB: EE nx, orchestral mx, IDs, YL anc (Thompson 3/27 333)

BURMA

4725 1335 ALB BBS: Burmese? tlk by OM (Pimblett 3/14 222)(Thompson CA)
5985t 1500 CA BBS: EE w/ US pop mx, OM/YL tlk, poor mod. (Howell 3/16 432)

CHINA

3200 1435 CA FFS-2: CC w/ classical mx (Bryan 3/19)
3270 1400 OKI R. Peking: EE tlk by OM, to 1600 (Hardester 3/23 353)
3340 1244 CA Hailer: CC w/ dramatic reading, 6 pips @ 1300 (Naylor)(Bryan)
4068 1215 CA Huhhot: CC? w/ OM tlk and more tlk (Thompson 3/19)(Bryan CA)
4200 1324 CA RP: u/lang YL w/ ID, "EIR", mx "Int'l" @ 1324 (Naylor 3/22)
4460 1432 CA Beijing 1: CC mx, vocals, YL anc (Bryan 3/26 333)
4525 1231 CA Xilinhot: CC w/ YL endless tlk (Thompson 3/19 343)
4770 1326 ALB RP: CC to Taiwan, OM tlk, bad het. (Pimblett 3/14 222)
4800 1337 ALB Beijing 2: CC YL w/ tlk, // 4850 (Pimblett 3/16 222)
4840 1434 ALB FFS-2: CC YL tlk (Pimblett 3/16 322)
4883 1420 LA RP: CC mx, YL tlk, // 5145 (Blaise 3/5 322) Mongolian listed
6225 2240 NJ Beijing 1: CC YL tlk, // 5880 (Famularo 3/9 342)
6270 0045 MA RP: EE to Europe, nx, cmtry, fading (Butterfield 3/22)(Donly)
6540 2212 NY RP: u/lang tlk, CC mx. (Maghakian 3/24 242)
6560 2140 NY RP: FF tlk by OM, CC mx, // 6320, 7620 (Maghakian 3/24 242)
6590 1200 WI RP: EE nx, cmtry (Zilmer 3/27 332)
6665 2224 NY Beijing 1: CC tlk, mx, "EIR" @ 2230 (Maghakian 3/24 242)
6860 2230 TN TP: CC w/ IS, ID (Hackney 3/24 222)
7095 1254 CA Beijing 1: CC tlk, Mexican songs, 6 pips (Naylor 3/16)
7170 1700 HI RP: BR pgrm (Harada 3/26 343)
7800 2226 NY RP: SS tlk by OM, lite mx, CC songs, ID (Maghakian 3/27 232)
9460 1025 FL RP: u/lang, heard @ s/off w/ anthem (Prath 3/19 333)
9650 1405 NY RP: CC YL w/ tlk (Brotsky 3/27 343) not Lasa on 9653?, reb.
9860 1500 CA RP: EE w/ IS, ID by OM/YL, world nx, // 11650 (McCurdy 3/9)
9920 1200 WI RP: EE nx, cmtry, mx (Zilmer 3/25 433)(Naylor CA)(Prath FL)
11375 1130 CA RP: Indo w/ IS, OM/YL ID, nx (Thompson 3/22 444)
11505 0835 CA Beijing 2: CC w/ a play (Dawson 3/19 343)
11535 1110 FL RP: EE w/ world nx, political tlk on Chairman Hua (Carrier)
11605 1113 NJ RP: u/lang w/ CC choral singing (Famularo 3/25 252)
11650 1425 CA RP: EE tlk on school & birth rates (McCurdy 3/9)(Thompson CA)
11720 1440 CA RP: Cantonese tlk by 2 OMs, 1445 ID (McCurdy 3/9 444) mer)
11830 1200 WI V. of Malay Rev.: u/lang tlk, choral mx, 1235*, // 15790 (Zil-
12015t 0737 CA RP: Viet/CC? w/ Asian mx, YL anc, children tlk (McCurdy 3/10)
12420 0851 CA Beijing 1: CC YL tlk, 6 pips, 0900 TC, ID (Naylor 3/15 333)
15045 1348 NY RP: CC YL vocals, YL anc, off by 1400 (Novello 4/8)(Earhart)
15060 0040 PA RP: EE w/ CC lessons (Kenyon 3/14 333)(Hackney TN)(Fraser MA)
(Brigham IL)(Lentz PA)(Chituck MD)(Hodsdon MN)(Stone ONT)++++

CHINA (continued)

15080 0034 ALB RP: CC tlk by YL w/ hi-pitched voice (Pimblett 3/25 444)
 15150 0620 CA unid Chinese w/ CC CM speaking (Smith 3/22 222)
 15175 0616 CA unid Chinese w/ CC tlk (Smith 3/22 333) the two in /?/, reb.
 15210 0616 CA unid CC w/ CC inst. mc. OM anc (Smith 3/22 434)
 15220 0321 CA Beijing: CC prgm, // 15235 (Brookwell 4/1 333)
 15270 1200 WI RP: EE cmtry, mx (Zilmer 3/27 333)
 15295 0608 CA unid Chinese w/ CC opera (Smith 3/23 333)
 15305 0622 CA unid Chinese w/ OM tlk, // 15420 (Smith 3/22 333)
 15520 0050 FL RP: EE cmtry on brewing wine (Johnson)(Smith FL)(Kenyon PA)
 17R36.0m 0040 ONT RP: CC vocals, tlk (Kusalik 3/23)(Famularo NJ)(Dwason CA)

CYPRUS

6150 2210 KY Cyprus BC: Gk w/ guitar IS, OM ID, tlk, mx, 2229* (Heath 3/25)
 7130 2210 SC CBC: IS, 2215 s/on, Gk nx, mx, 2229* (Donly 4/8 332) CA
 15420 2036 CA RBC Limassol: ID, Big Ben, EE w/ sprts nx (Rounds 3/13)(Barry)

INDIA

3905 1548 GREECE AIR Delhi: EE tlk, nx (Constantinides 3/10 222) 343)
 4840 1228 ONT AIR Bombay: IS @ 1228, into Bengali w/ EE ID (Kusalik 4/14
 4860 1537 GREECE AIR Delhi: EE w/ nx bulletin (Constantinides 3/13 333)
 7110 1435* HI AIR: EE w/ sports, then s/off (Norcross 4/5 333)
 7225 2149 NY AIR: EE w/ Indian mx prgm, // 11620, 11740 (Maghakian 3/15)
 9525 2005 VA AIR: EE nx, very weak (Burke 3/14 232)(Famularo NJ @ 2126)
 9705 *1115 MA AIR: EE w/ local nx, 1140* (Lobdell 3/30)(Nepali? @ 0129 Utter)
 9912 2208 FL AIR: EE tlk on mideast (Baum)(Martin IA)(Johnson FL)(Smith CA)
 11620 2040 NY AIR: EE w/ Jaltarang mx w/ tabla, IDs, freqs (Peck 3/15 342)
 11725 1032 HI AIR: EE w/ tlk on Indian film industry (Norcross 3/10 343)
 11740 2046 FL AIR: IS, then clobbered by RN Madagascar (Baum)(@ 2200 Donly)
 11810 1430 FL AIR: EE asking for comments, P.O. Box 500 (Kanzig)(Heath KY)

INDONESIA

2R30 1500 CA RRI Tanjungkarang: Indo tlk, nx?, TPs, MOR mx (Howell 3/23)
 3120 1137 ONT RRI Dili: kroncong mx, tlk, ID, SCI IS, Jak. nx (Kusalik 3/18)
 3215 1125 ONT RRI Menado: orch. mx, EE ballads, 1158 SCI, nx relay (Kusalik)
 3225 1437 CA RRI Tanjungpinang: Indo w/ local mx (Bryan 3/19 332)
 3265 1240 MN RRI Gorontalo: Indo/US mx, 1259 ID "Rayuan Palau Kepala",
 then Jakarta nx (Gavaras 3/25)(Bryan CA) 11kely notBenzkulu
 3275 1040 JPN RRI Jakarta: Indo ID, tlk (Takashima 4/2 333)
 3364 1127 ONT RRI Sorong: Gamelan mx, ID, then Indo tlk by OM (Kusalik 3/25)
 3905t 1128 OKI RRI Jayapura: Indo tlk, 2 anthems?, "Suara Indo." (Hardester)
 3935 2050 JPN RRI Semarang: Indo tlk, ID, Hubei QRM (Takashima 4/2 222)
 3960v 1300 OR RRI Padang: Indo nx, drifting, Palu hf. (Jackson 3/20 211)
 4719 1327 ALB RRI Ujungpandang: Indo tlk by OM, anth., then off (Pimblett)
 4764v 1251 MN RRI Medan: tlk, mx, "Rayuan Palau Kepala", Jak. nx (Gavaras)
 4789 1200 OR RRI Fakfak: Indo w/ national nx, pop mx (Jackson 3/26 232)
 4845 1305 MO RRI Ambon: Indo nx, // 4875 Sorong (Macris 3/25)(Kusalik ONT)
 4855t 1435 ALB RRI Palembang: Indo OM w/ tlk (Pimblett 3/16 121) OR
 4875 1200 ONT RRI Sorong: EE nx from own studio, ID (Kusalik 3/24)(Jackson
 unid RRI: Indo tlk, classical mx (Kusalik 3/24) Jayapura 11kely
 5885 1255 CO RRI Pekanbaru: Indo mx, 1300 ID, nx (Etherington 3/25)(Cleve.)
 5987 1456 CA RRI Menado: Indo YL vocals w/ local mx (Cleveland 3/31 --2)
 6185 0945 JPN RRI Manokwari: Indo w/ local vocals, ID, ex 6150 (Takashima)
 11789 1400 CA VOI: EE nx, IDs (Klumb 3/4 323)(Peck NY)(Cleveland CA)

IRAN

9022 1945 PA VOI: EE cmtry, mx, ID, 2000* (Snellman)(Farsi @ 0030 Hackney
 15084 2000 GA VOI: Farsi tlk, Iranian mx (Poole 3/28)(Hackney TN)(Thompson
 CA)(@ 1756 Famularo NJ)(Karcheski MA)(@ 0545 Smith CA)(Kenyon: TN)

IRAQ

9745 2230* QUE FBI: EE w/ press nx, political tlk (Pallen 4/7)(Kerrigan ITALY)
 (Stickle NY)(Snellman PA)(Deaton GA)(Snyder NY)(Marable ITALY)
 11905 0350* NJ FBI: EE prgm (Rakow)(Andersen NY)(Dauer OH)(Jones VA)(Worrel
 ND)(Hagewood TN)(Keller CA)(Kanzig FL)(Garfield MA)(Hagen)+++

ISRAEL

5900 0515 GA IBA: EE nx, then s/off (Starr)
 7412 2230 MA IBA: EE nx, cmtry (Garfield)(Chituck MD)(@ 2235 Frath FL)++
 7465 0415 NY IBA: Hebrew YL tlk, songs, Chassidic song, ad (Peck)(Johnson)
 9425 2251 NY IBA: EE tlk on invasion of Lebanon (Snyder 3/15 454)
 9435 0300 NY IBA: Hebrew special prgm (2300-0400), // 9350, 12077, 11655.
 9815, this due to politi. milit. situation (Nadav)(Carrier)
 9815 2240 IL IBA: EE nx, mideast nx, editorials (Kerrigan)(Deaton GA)
 9820 0500 BC IBA: EE nx, wx, review of Israeli press (O'Brien 3/13 554)

ISRAEL (continued)

11655 2232 FL IBA: EE nx, tlk on terrorists(Hook)(Brookwell CA)(Thompson CA)
 (Mayer CA)(Carrier FL)(@ 2005 Andersen NY)(Ladino @ 0437 Peck)
 11700 2029* MD IBA: EE nx, "30 Years Ago Today", freqs (Relley 3/16 434)
 11715 0501 NY IBA: EE nx by YL, // 11655, 11960, unlisted (Maghakian 3/23)
 11835t 0508 CA IBA: Hebrew? ancmts, mx, off air @ 0516 (Smith 3/23 333)
 11955 0500 CA IBA: EE nx, 0515 FF, to NAM (Barry 3/19 544)
 11960 2000 WI IBA: EE nx, also 2230 (Zilmer)(RR @ 0415, Yiddish 0425 Peck NY)
 15105 2230 WI IBA: EE nx, editorial, "Thank Goodness Its Friday" (Zilmer)
 15405 2230 WI IBA: EE nx, unlisted this time (Zilmer 3/25 433)
 15485 1700 MD IBA: Persian w/ ID (Chituck 3/31)(EE @ 2230 Zilmer WI)
 15530 1227 PA IBA: EE pgrm (Earhart)(Lobdell MA)(EE @ 2237 Baum FL)(Smith FL)
 17685 2000 OH IBA: EE tlk on terrorist attack, Begin speech (Kavelesky 3/12)
 17815 1223 PA IBA: EE tlk, temp., ad (Earhart 3/8)(RR @ 1800 Brodsky NY)
 21500 1200 WI IBA: EE nx, cmtry, wx, ads (Zilmer 3/24 252) / @ 1440 Peck NY
 25605 1559 NY IBA: Hebrew nx, RR @ 1600 (Novello)(Yid. @ 1400 Zilmer)(Georx.

JAPAN

5990 1002 FL RJ: EE nx, econ. cmtry (Hook)(Lentz PA)(McCurdy CA)(Prath FL)++
 6055 1445 CA NSB: EE/JJ w/ lang, lesson (Cleveland 3/31)(@ 0816 Rounds CA)
 6115 0720 CA NSB: JJ tlk by YL/OM, radio drama (Rounds 3/18 222) CA
 6155 0853 CO FEN: EE w/ rock mx, ID, nx (Orr)(O'Brien BC)(Smith CA)(Naylor
 9505 1600 NL RJ: EE nx, cmtry, 1615 JJ (Worrel 3/23)(Kurtz MN)(Segler CA)
 9585 1956 GA RJ: s/on w/ EE/JJ ID, IS (Poole)(Karcheski MA)(Heath KY)++++
 9595 1615* WI NSB: EE w/ Seiko ad, mx, then off (Ambruster)(Donly SC)
 9670 1642 CA RJ: EE, pgrm, sked JJ pop mx (Bryan 3/26 433)
 11705 1430 CA RJ: Bengali w/ IS, IDs, s/on, nx by YL (McCurdy 3/9 544)
 15105 0310 MS RJ: EE nx, tlk on Sea Conference (Jones)(Rust OR) / son CA
 15195 0215 CA RJ: EE "Tokyo Calling" w/ DX nx (Benjamin 4/2)(Heath KY)(Wat-
 15270 2345 PA RJ: EE nx, cmtry, tlk on climate (Taylor)(Kavelesky OH)(Prath)
 15325 2352 NY RJ: EE ID, tlk on dollar, Italian mx (Peck)(Miller CA)(Rounds)
 17725 0230 ONT RJ: SS w/ popular mx (Stone)(EE @ 0159 Naylor CA)
 17825 0200 NC RJ: EE w/ DX nx (Seymour 4/10)(Perry QUE)(Martin LA)(Lentz PA)
 17880 0315 TN RJ: EE w/ ID by OM (Ireland)(Heath KY)(Smith FL)(Carrier FL)
 21585h 1800 CA RJ: GG, EE, RR to Europe, is 3 x 7195 (Miller 3/2 544)

N
H
KKAMPUCHEA

4908t 1510 CA RDC: Khmer OM/YL tlk, MOR mx, 1520 f/out (Howell 3/24 152)
 11942.686m 1145 OKI RDC: OM/YL in u/lang (Hardester 3/29 454)

DEMOCRATIC PEOPLES REPUBLIC OF KOREA

4030 1212 CA KCBS Kanggye: KK YL/OM tlk (Thompson 3/19 433)
 6250 1600 CA R. Pyongyang: KK mx, TPs, YL tlk (Bryan 3/26 433)
 6290 2305 NJ KCBS: KK OM/YL nx (Famularo 3/9 332+)
 6575 2143 NY RP: EE tlk by YL, ID, freqs, anthem (Maghakian 3/24 242)
 6600 0731 CA KCBS: KK tlk, mx, 4 pips, TC @ 0800 (Naylor 3/17 344)
 9420 2100 ITALY RP: EE political cmtry (Marable)(@ 0800 Watson CA)(Smith FL)
 9977 1130 IL RP: EE nx, cmtry, freq. ID, mx (Gunn 4/5)(Catey IL)(Macris MO)
 (Thompson CA)(Keller CA)(Thompson NM)(@ 0820 Dawson CA)++++
 11532 *1100 KY RP: EE to 1300, // 9977 (Peters)(Harada HI)(Hook FL)(Heath KY)
 11780 1451 CA RP: KK YL ancr, local mx (Cleveland 3/30 --3)

REPUBLIC OF KOREA

7150 0827 CA RK: KK w/ ID, "R. Korea, Seoul...", tlk (Rounds)(Thompson CA)
 9525 0803 CA RK: u/lang, nx, ID (Owsley 4/1 333)
 9640 *1600 CA RK EE nx, cmtry, "Listeners Corner" (Thompson)(Howell)(Somers)
 9650 1133 MA RK: EE nx, cmtry, ID (Lobdell 3/22)(Zilmer WI)(Rounds CA)
 9720 *1800 OR RK: EE ID, nx, cmtry (Rust)(Worrel ND)(Pimblett ALB)(Segler CA)
 11822 0914 CA RK: KK? w/ tlk, jammers, possible play (Naylor 3/15 333)
 11860 *1128 NJ RK: EE nx, political cmtry, mx (Mellinger 4/1 343)

KUWAIT

9840 1820 SC RK: AA rapid tlk, "ID "Huna Kuwait" @ 1831, mx (Donly 3/26)
 12085 1700 OH RK: EE ID, play by students of Kuwait (Dauer 3/18)(Hodsdon MN)
 (O'Brien BC)(Seymour NC)(M. Diamond MD)(Birkhaeuser MA)(Burke)
 15345 0530 GA RK: EE nx, wx, pop mx (Deaton 3/16 555)(Maghakian NY)
 21605 1340 NM RK: AA tlk on Sadat, speaker excited at times (Thompson 3/23)

LEBANON

11825 0230 NH RL: EE, RL ID, nx, mx (Oliver 3/20)(Ellis NH)(Angeloni NY)
 (Andersen NY)(Rakow NJ)(Meehan CT)(Johnson FL)(Maghakian NY)+++

MALAYSIA

4845 1333 ALB RM Kuala Lumpur: BM w/ local mx, ID (Pimblett 3/16)(Bryan CA)
 4985 1420 HI RM Penang: EE nx, cultural tlk, then BM tlk (Norcross 4/5)
 5965 1515 CA RM KL: EE w/ country mx, IDs, nx @ 1530 (Howell 3/20 343)

MALAYSIA (continued)

6025 1530 CA RM KL: Bahasa Malaysia w/ local mx, TPs, ID (Bryan 3/26 433)
 6195 0904 CA BBC Tebrau: EE nx, ID @ 0915, sign off (Keller)(Martin LA)
 9665 0938 CA RM KL: EE nx of Malaysia, C & W mx (Rounds)(@ 1535 Miller CA)
 9750 1520 OKI RM in u/lang, w/ 1.8s Khz. net. to 1520 (Hardester 3/24 +)
 11955 1639 PA BBC Tebrau: EE w/ Scottish League futbol, OM anc'r (Ehret 3/25)
 15295 *0625 HI V. of Malaysia: EE w/ VOM ID, also @ 0815 (Norcross 4/3 222)
 15310 1805 CA BBC Tebrau: EE OM nx, tl on terrorists, Cairo (Bryan 3/19 3343)

Sarawak

4835 1320 NM RMS Kuching: BM tlk, inst. mx, IDs, TPs, nx (Thompson)(Pimblett
 4895 1422 CA RMS Kuching: BM, IS, ID, tlk, pop mx, // 5005 (Thompson 3/24)
 4950 1410 CA RMS Kuching: EE nx, cmtry (Klumb 3/11)(Thompson CA)(Cleveland)
 5005 1153 ONT RMS Sib'u: BM w/ "Inilah R. Malaysia Sib'u", TC, nx (Kusalik)
 5030 1130 ONT RMS Kuching: TPs (6), ID, nx in BM (Kusalik 3/26 343)

Far Eastern Relay

ALB)

MONGOLIA

6383a *1220 HI UBR: EE nx, cmtry on Mongolian history, pgrm, freqs, 1245* (Norcross HI)

NEPAL

3425 1510 JPN RN: EE tlk, local mx, // 5007 (JJY QRM) (Takashima 4/7)
 5007 1554 JPN RN: Nepali tlk, pop mx, lcl mx, ID (Kato 3/31)(Norcross HI)
 now 100 Kw, reb.

OMAN

11890t 0243 NJ R. Oman: AA chants, sitar type mx, tlk @ 0300 (Famularo 3/10)

PAKISTAN

3916 1659 JPN RP: Urdu tl, local vocals (Takashima 4/6 222)
 6235 2130 MA RP: Urdu w/ local mx, tlk, anth. 2145* (Donly 3/22 353)
 9460 1605 ITALY RP: EE w/ export/import nx, mx (Marable 3/26)(Pimblett ALB)
 11640 2015* WI RP: FF tlk, mx, ID, s/off (Zilmer 3/25 322)
 11672 1400 WI RP: Urdu? tlk, mx, // 15520, ex 9460 (Zilmer 3/18 342)
 15150 0459 NY RP: Urdu? w/ IS, s/on, tlk by YL, Qu'ran? (Magnakian 3/8 343)
 15325 0237 NY RP: EE Asian nx, u/lang ancm't, 0245* (Utter)(Sabadia TX)(Barry)
 15520 1555 CA RP: Urdu, 1600 EE, slo speed nx (Keller)(Barry CA)(Thompson NM)
 17665 1103 FL RP: EE ID, slo speed nx (Smith 3/26 221) WI
 17830 *0230 KY RP: EE w/ IS, ID, nx (Heath)(Orr CO)(Martin LA)(@ 1330 Zilmer
 21590 *0230 OR RP: EE slo speed nx (Collins 4/6)(Leistener CA)(Norcross HI)

Azad Kashmir

3860 0125 MD AKR: OM/YL tlk, Pakistani mx, ARO QRM (Henderson 3/18)

PHILIPPINES

7165 1353 NM VOA: EE tlk, vocals, ID, freqs, nx in special EE (Thompson)
 7225 1120 SC FEBC: JJ tlk, relig. mx, ID w/ freqs, EE/Oriental mx (Donly)
 9579 0825 CA VOP: EE w/ string/vocal mx (Watson 3/17)(Rounds CA)(Miller CA)
 9590 1520 GREECE R. Veritas Asia: Tamil relig. pgrm (Constantinides)(Keller CA)
 11715 1359 TN VOA: EE giving freq. list, this given as 11717! (Hauser 3/19)
 11765 0845 MA FEBC: EE w/ relig. pgrm, ID, TC (Lobdell 4/8 232)
 11850 0931 FL FEBC: EE nx, cmtry, relig. mx, ID, 1000* (Smith 3/21)(Rounds CA)
 11925 1553 CA FEBC: CC YL w/ relig. tlk, mx, sinner's prayer (Thompson 3/29)
 11930 0946 CA VOA: RR OM/YL nx, // 11965 (Dawson 4/6 433)
 11955 1300 CA RVA: EE nx, relig. cmtry (Klumb 3/13 444)(McCurdy CA)
 15395 2215 CA VOA: CC tlk by OM/YL, nx, mx (Miller 3/21 544)
 17810 0000 NJ FEBC: EE w/ "Good Morning" show, nx, mx (Rakow)(Klumb CA)
 (Martin LA)(Peck NY)(Mayer CA)(Jackson OR)(Owsley CA)(Kusalik)

field 3/22)

SA'UDI ARABIA

6165nr 2200 MA BSKSA: AA mx, 2230 ID, IS, nx, chants, anthem, 2300* (Butter-
 21520 1635 NJ BSKSA: Swahili (WRTH) tlk, chants, nx, anthem, 1652* (Famularo)
 21530 1525 IL BSKSA: AA w/ US soul/rock mx, EE interview (Lévesque 3/10 353)
 21590 0305 CA BSKSA: AA chanting, Qu'ran (Leistener 4/10 333)

SINGAPORE

5010 1504 CA RS: classical mx, YL anc'r (Bryan 3/26)(Cleveland CA)
 5052 1400 CA RS: EE w/ BBC Quiz pgrm, mx, ID, parliament (Keller)(Norcross)
 9635 1140 SC RS: CC tlk by YL, Oriental mx, ID @ 1200 (Donly 3/22 242)
 11940 1400 CA RS: EE story, ID, pop mx (Kemp-Blair 4/5)(O'Brien BC)(Owsley BC)

SRI LANKA

11935L 1800* CA VOA: special EE pgrm, s/off (Brookwell 3/18 222) cross HI
 15115 *1900 HI SLBC: "DX Monitors Int'l", 1914 freqs, 9710, 11870, 17850 (Nor-
 15425 *0100 KY SLBC: EE ID by OM (Peters 3/27)(Mellinger NJ)(Kusalik ONT)
 (Meehan CT)(Peck NY)(Prath FL)(Baum FL)(@ 1600 Barry CA)++++
 17850 1940 CA SLBC: EE tlk, pop mx, P.O. Box 1510, Colombo (Smith)(Donly SC)
 3/17)

SYRIA

15290t 2007 NJ R. Damascus: AA w/ stringed mx, tlk bagpipes!, nx (Famularo)

TAIWAN

3230E 1343 OKI CBS: CC w/ OM/YL tlk, pips on hr like NHK MW (Hardester 3/23)
 9600 2146 ITALY VOFC: EE mailbag info, cmtry, "Let's Learn CC" (Marable 3/17)
 11925 1820 CA VOFC: excited CC tlk, singing, no //s, unlisted (Brookwell)
 15280 0100 CA VOFC: EE w/ CC/EE ID, MOR, nx, tlk (Howell 4/6 243)
 15325 2203 CA VOFC: CC mx, tlk (Miller 4/6 544)
 15425 0115 GA VOFC: EE tlk by YL, nx (Poole 4/3 121)
 17720 2315 CT VOFC: SS tlk, CC songs, // 17800 (Beaudoin date? SIO ?)
 17890 2155 CA VOFC: EE ID by YL, cmtry, "Let's Learn CC", mx (Kemp-Blair
 3/26)(Rust OR)(Kusalik ONT)(Poole GA)(Smith CA)(Dawson CA)+++

THAILAND

11905 0841 CA RT: Thai tlk by YL, folk mx (Rounds 3/10 222) VOICE OF TURKEY

Ankara Radyosu
 Ankara, Turkey

TURKEY

7170 2230 SC VOT: EE nx by YL, ID, DX pgrm (Donly 3/23 434)
 9515 2130 GA VOT: EE nx w/ YL/OM (Starr)(Fallen QUE)(Dauer OH)(Stickle NY)
 (Hook FL)(Snyder NY)(Kenyon PA)(Deaton GA)(Fraser MA)(Martin)

UNION OF SOVIET SOCIALIST REPUBLICS (Asiatic plus unknown and European sites)

4485 1227 CA Petropavlovsk Kamchatskiy: OM RR tlk, vocals (Thompson)(Bryan)
 4825 1228 ONT R. Moscow via Yakutsk?: KK to Korea, IS (Kusalik 4/14)
 4885 1455 CA Novosibirsk: RR OM/YL political tlk, mx (Bryan 3/26 232)
 5015 1450 CA Vladivostok: RR w/ vocal mx (Cleveland 3/28 --3)
 5960 1030 MS RM via Vladivostok: IS, YL tlk in u/lang (Jones 3/29 332)
 6100 1000 MS RM via unknown site: IS, 2nd IS, YL in u/lang (Jones Jones 3/30 433)
 7105t 0002 MN RM via Sofia: EE nx, cmtry (Kurtz 3/21) European site, reb.
 7130 0035 MN RM via Vinnitsa: EE, freqs, IS (Kurtz)(name???) Euro. site
 7150 2325 PL R. Vilnius via Simferopol: EE, R. Kiev @ 0035 (Prath) Euro.
 7175 2350 MN RM via Starobelsk: EE w/ "News & Views" (Kurtz 3/21) also Euro.
 7190 2345 MN RM via Tula: // to above (Kurtz 3/21) another Euro. site, reb.
 7200 1613 CA Yakutsk: RR opera, YL anor (Bryan 3/26 433) source of site???
 7210 0731 CA Khabarovsk: Mayak pgrm w/ IS, 1631*, // 7200 (Thompson 4/6)
 7320 1618 CA Magadan: RR opera pgrm (Bryan 3/26 433)
 9500 1730 CA RM via Magadan: IS, mx, u/lang tlk, not Libya! (Howell 3/11)
 9530 1504 CA R. Tikhv Okean via FE site: RR tlk, 1507 ID (Thompson 3/24)
 9575 0345 CA RM via Vinnitsa: EE to 0400, then AA (Barry 3/9 333)
 9580 0300 QUE R. Kiev via Blagoveschensk: EE nx, tlk, 0330* (Fallen) Euro.
 9610 0030 FL RM via Vinnitsa: SS nx, cmtry, tlk (Prath 3/6) Euro. site
 9780 1500 MN R. St. Peace & Progress via Nikolaevsk: EE nx, cmtry (Kurtz)
 11690 0302 CA R. Kiev via Nikolaevsk: EE nx, cmtry from Kiev, DX nx (Miller)
 11785 1315 FL RSP&P via Novosibirsk: EE tlk on China, Vietnam, etc.(Prath)
 11845 1250 PL RSP&P via Kazan: EE tlk, then into RR @ 1300 (Prath) Euro.
 11880 1538 CA RM via Moscow: u/lang, mx, 1600 EE, ID (Naylor) Euro. site
 12010 0720 CA RM via Nikolaevsk: EE tlk w/ US reporter, RR @ 0730 (McCurdy)
 12020 1847 CA RM via PK: CC tlk, RM relay IS @ 1900 (Brookwell 3/25 333)
 12030 0200 NY R. Magallanes via Moscow: SS w/ IS, ID, tlk (Maghakian) Euro.
 12070 1320 MN RSP&P via unknown site: EE tlk, 1330* (Hodsdon 3/30 222)
 15100 *2200 ALB R. Kiev via Khabarovsk: Ukrainian w/ IS, nx, cmtry (Pimblett)
 15110 0536 NY RSP&P via Kiev: PP tlk by YL, ID (Maghakian 3/8) Euro. site
 15135 0130 CA RM via unknown site: EE wx, political cmtry (Watson 3/16)
 15295 1430 MS RSP&P via Voronezh: EE "Spotlight on World Events" (Carrier)
 15480 0238 CA unknown site w/ RR dramatic readings, 0300 6 pips (Naylor)
 16190 0120 OKI RM feeder on USB w/ EE mention of Jim Young (Hardester 4/2)
 17720 0000* ONT RM via PK: EE to NAM, nx, cmtry, polar fade (Kusalik)
 17805t 1625 MS RM? via Armavir: all RR tlk, no EE as rptd by others (Jones)
 17870 2303 NY R. Vilnius via Khabarovsk: EE nx by OM, freqs (Maghakian)
 18150.0m 2350 TN FE site (presumed) w/ RR mx, ancmnt, on RCSSB (Hauser 3/28)

Estonian SSR (Europe)

17700 1000 OKI RM via Tallinn: EE cmtry, 1030 RSP&P, // 17730, 17795 (Har-
 dester 3/30, 4/1)

Kazakh SSR

9780 *2350 CA Alma Ata local: test tones, bells IS, 0000 USSR anthem,
 0002 Kazakh anthem (Barry 3/24)
 15210 1430 CA RM via Alma Ata: IS, u/lang tlk, 1500 s/off (Barry 4/3 333)
 12010 1335 MS RSP&P: EE w/ mailbag, Asian/USSR nx, mx (Carrier)out of order
 17850 1000 OKI RM via Alma Ata: EE nx, "Life in the Soviet Union" (Hardester)

Kirghiz SSR

17825 1000 OKI RM via Frunze: EE // to 17850 (Hardester 3/30) not Tashkent?

Tadzhik SSR

9710 0430 CA RM via Dushanbe: Swahili/EE w/ IS, ID, tlk (Howell 4/2 444)
 12020 0200 KY R. Magallanes via Dushanbe: SS w/ IS, IDs, nx, mx (Heath)

Tadzhik SSR (continued) 3/30
21505 1000 OKI RM via Dushanbe: EE w/ "Life in the Soviet Union" (Hardester)

Uzbek SSR
9600 1200 NJ R. Tashkent: EE nx, 1230* (Rakow 3/22 322)
15330 1000 OKI RM via Tashkent: EE nx, etc., // 21505 (Hardester 3/30 242)

VIETNAM
4717 1442 CA R. Hanoi: Viet tlk, children tlk, ID, sudden off (McCurdy 3/9)
6450 1200 WI Hanoi 1: Viet tlk, mx, // 10224, but not 7414 (Zilmer 3/29)
7375 0940 CA Hanoi 1: Viet tlk by YL, RTTY QRM (Rounds 3/12 322)
7511 1520 CA Tay Nguyen: YL w/ operatic solos w/ piano (Watson 4/9 333)
9840 1200 WI Tay Nguyen: Malay? tlk, mx, // 7512 (Zilmer 3/29 322)
10040 2030 NH VOV: EE nx, cmtry on reconstruction, "Vietnam in the Past" (Ellis) @ 1806 Pimblett) @ 1550 Keller CA) (FF @ 1300 Brigham)
10060 1237 MA Hanoi 1: Viet YL tlk, Viet mx (Karcheski 3/10) (Famularo NJ)
10225v 1340 CA Hanoi 2: Viet OM w/ tlk, mx, // 7417 (Thompson) (Zilmer WI)
15008v*1800 CA VOV: EE w/ mailbag, Viet mx, // 10040 (Steve Miller) (Kenyon PA) (Famularo NJ) (Brodsky NY) (Rust OR) (Hackney TN) @ 2100 Perry)+++

YEMEN ARAB REPUBLIC (FL)
9780 2100 VA R. Sana': AA chants, tlk by YL (Burke 3/20) (Novello NY) (Baum

ANTARCTICA ICEANIA 3/17
6012 0615 MD AFAN: weak, but improving, pop mx, EE ancr @ 0730 (Henderson)

AUSTRALIA
5995 0950 WI RA-L: island mx, EE/?? tlk, 0956* w/ ancmts, IS (Trautshold)
6005 1700 ITALY RA-C: EE world nx, Asian nx, editorial opinion, 1730* (Marable)
6150 0908 CA ABC Melbourne: Pacific nx, wx, ID, cmtry, mx (Rounds 3/12)
9540 0822 GO RA-L: EE ID, pop mx (Orr) (Karcheski MA) (Kurtz MN) (Smith FL)+++
9550 1200 WI RA-S: EE nx (Zilmer 3/20 322)
9570 0810 CA RA-S: EE nx, "Intern'l Rpt" (Segler 3/20) @ 0655 Donly SC)
9580 1100 OH RA-S: EE nx, "Focus on Australia", "Australia Tonight" (Ellis 4/3) (Klumb CA) (Fraser MA) (Kurtz MN) (Garfield MA) (Carrier FL) +
9610 1520 WI ABC Perth: EE w/ rock mx (Ambruster) (Ellis OH) (Lentz PA)++++
9640 1446 CA RA-C: Indo w/ mx, ID, YL ancr (Miller 3/19) // 11825
9660 0935 CA ABC Brisbane: EE tlk on festival in Adelaide (Rounds 3/9)
9770 1200 WI RA: EE nx, // 9580, unlisted (Zilmer 4/5 433)
11705 1500 OR RA-C: EE w/ ID for Canarvon, WA @ switch over from Shepparton then RA ID (Bodell 4/19) (Worrel ND) (Carrier FL) (Ambruster WI)
11720 0754 LA RA-S: EE tlk, // 11740, 11795 (Martin) (Sabadia) (Kavelesky OH)
11740 1540 CA RA-S: EE DJ w/ pop mx, tlk (Howell 4/4) (Smith FL) (Naylor CA)
11770 1815 BC RA-S: EE ID, pop mx, AFRTS QRM (O'Brien 4/8) (Watson CA)
11790 0800 CA RA-S: EE ID, rock mx, to PNG (Leistener 3/29) (Rounds CA)
11800 1931 SC RA: EE lite mx & feature prgm, IDs, unlisted (Donly 3/26 332)
11870 *1800 OKI RA-regular USB xmsn to UK, // 9505, 9580, 11800 (Hardester)
15160 0600 MD RA-L: EE nx, mx (Chituck 4/1) (Bryan CA) @ 0315 Carrier FL)
15205 2330 WI RA-S: Thai to SEA w/ EE ID (Zilmer 3/25 332) Miller)
15230 0756 CA ABC Melbourne: OM ID, ancmt, carrier 0800-05, then mx (Steve
15240 0633 CA RA-L: EE w/ Aussie nx (Mayer) (Brigham IL) (Brodsky NY) (Famularo)
15260 0607 CA RA-S: EE w/ world nx (Somers 4/5 454) PL)
15320 0334 PA RA-S: EE w/ pop mx (Snellman) (Hodsdon MN) (Ireland TN) (Carrier
15355 0430 VA RA-S: EE nx, pop mx, "Focus on Australia" (Burke 3/30 333)
15370 1430 FL RA: EE to SEA, pop mx, freqs (Johnson 3/3 333)
15415 1226 PA RA: Indo? w/ Far East mx, EE ID @ 1229, piano mx (Earhart) ul.
15425 0800 FL ABC Perth: National nx, mx, ID (Smith) (Donly SC) (Orr CO)+++
17725 0615 CA RA-S: EE tlk on world affairs (Mayer 3/30) (Mayer CA)
17795 0450 TN RA-S: EE w/ pop mx, FF to Africa @ 0500 (Hagewood) @ 0200 Ellis OH) (Stroh IL) (Andersen N.) (Seymour NC) (Perry QUE) (Famularo MJ) +
17820 0400 MD RA: EE mx, freqs, TPs, TC, nx (Reiley 3/9) unlisted, reb.
21680nf0404 TN RA: EE not // 17795, 21525, separate spts coverage, horse race, fill mx (Hauser 3/27) (Leistener CA) (Utter NY) (Owsley CA)+++

COOK ISLANDS
5044.9 0430+ MD RCI: Maori tlk, ID, TC, EE/Maori, mx (Henderson 3/16.17) (@ 0831* Etherington CO) (Klontz CA) (Mayer CA) (Leistener) (Norcross HI)

GUAM
11705 2225 LA TWR: EE w/ relig. tlk (Martin 4/5 322) (Constantinides GREECE)
11850 1100 OH TWR: EE relig. mx, ID, address (Dauer 4/3 333)
15115 0812 CA TWR: EE relig. tlk, Hong Kong address given, ID (Rounds 3/7)
15175 2258 CA TWR: EE mx, ID, s/off (Somers)
17855 0005 NH TWR: EE w/ relig. prgm inc. "Back to the Bible" (Ellis 3/17) (Kusalik ONT) (Mayer CA) (Donly SC) (Lentz PA).....

NEW CALEDONIA

3335 0657 HI R. Noumea: Pidgin? w/ EE mx, canned laughter (Norcross 3/10)
1710 0702 IN RN: FF w/ pop mx, ID, classical mx (Dalum)(Keller CA)(Pimblett

NEW HEBRIDES

3945 1000* OR NHBS: FF w/ pop/local mx, tlk, ID, sign off varies, no ancmts
or anthem (Jackson 3/28)(@ 0729 Henderson MD)(Leistener CA)...

Nouvelles-Hébrides

NEW ZEALAND

6105 1047* MO RNZ: EE tlk, radio drama (Macris 3/28)(Segler CA)(Rounds CA)
11850 0450 IL RNZ: EE ID, TPs, local time, "Musical Roundabout" (Lévesque)
15130 0625 TN RNZ: EE w/ sprts results, mx, ID (Hagewood)(Sabadia TX)(Peck
NY)(Baum FL)(Kenyon PA Snellman PA)(Novello NY)(Seymour NC)+++
15380 0342 NJ RNZ: EE mx, then switches to 15130 (Rakow 3/21)(Perry QUE)

PAPUA NEW GUINEA

2340 1105 ONT R. W. New Britain: ID, pop mx, fab. signal for 20 minutes (Ku-
3220 1128 ONT R. Morobe: EE pop mx, 1130 EE ID, local dance mx pgrm (Kusalik)
3245 1146 ONT R. Gulf Dist.: guitar mx, Pidgin/EE ancmt, TC (Kusalik 3/25)
3260 1200+ ONT R. Madang: C & W mx in Pidgin, beautiful signal (Kusalik 3/25)
3275 1129 ONT R. So. Highlands: EE ancmt, panel tlk on dev./pop. kn PNG ("")
3335 1150 ONT R. E. Sepik: EE C & W mx, Pidgin ancmts (Kusalik 3/18 433)
3905 0910 OR R. Manus: Pidgin w/ local version of "Beatles", tlk (Jackson)
3925 0800 HI NBC Port Moresby: EE w/ national nx, ARO QRM (Norcross 4/3)
4890 0912 TX NBC: EE nx, ID, tlk on role of church, mx (Sabadia 3/12)(Prath
FL)(Lentz PA)(Earhart PA)(Birkhaeuser MA)(Thompson NM)++++++

salik 3/25 444+)

SOCIETY ISLANDS

6135 0645 OR R. Tahiti/FR3: FF tlk by OM, chamber mx (Jackson 4/12 333)
11825 & 0500 OH RT: FF/Tahitian w/ pop, island mx, OM anc (Ellis)(Ehret PA)
15170 (Hagen IL)(Steve Miller CA)(Hodsdon MN)(Ellis NH)(Johnson FL)

SOLOMON ISLANDS

5020t 0600 NY SIBC: EE? tlk by OM, rock mx, carrier off abruptly @ 0630
(Peck 3/16)(Norcross HI)(Orr CO)(@ 0830 Mayer CA).....

----- D A T E L I N E -----

INDONESIA-RRI's Programa Nasional has been increased by 4 hours, now (2200-0800
and 1000-1600).....some regional nx from FEDXR via DSWCI, RRI Gorontalo is on
3266 (ex 3205), don't confuse with Bengkulu; RRI Palangkaraya operates on 3325
(10 Kw), 3905 (5 Kw), 4920/5205 (1 Kw); RRI Jayapura is on 4992.5 (ex 4980);
RRI Jakarta has returned to 15202 after a 3 months absence.....

ISRAEL-Because of a communications workers strike all IBA freqs left the air on
4/2 and were still off as of 4/6.....this from Marvin Diamond, MD...

JORDAN-HKBS's AA svce is sked on 7155 (0330-0650, 1900-2310); on 9530 (0930-
1400, 1530-2310); on 11920 (0330-1500).....EE is on 9560 (1500-1730).....BCCMS

LEBANON-Beirut's ext. svce is now on 11825 (ex 9680) w/ FF 0130, AA 0200, EE
0230, SS 0300-30; on 15440 w/ EE 1830, AA 1900-2000, FF 2000-30, SS 0030-0100...
Domestic svce is on 5980 (0355-0805, 1630-1805); on 9545 (1000-1610) Dan Carrier
FL, SCDX 1475

NORTHERN MARIANAS-FEBC's relay on Saipan will have 2 100 Kw SW xmtrs..SCDX 1475

PHILIPPINES-APRTS pgrms, off the air from the Poro relay since November, are
again using the facility; on 11835 (1900-1200) and 21670 (0100-1900)..Bob Padula
in DSWCI

THAILAND-RT's ext. svce is on 9655 (100 Kw) and 11905 (50 Kw) as follows:
EE (2330-0155, 0415-0515, 1055-1155); FF (0520-50); Lao (0915-1000); Mandarin
Chinese (1000-30); Tha! (1035-55); Viet (1200-30); Cambodian (1230-1300); Malay
(1305-50); Burmese (1355-1425).....via Dan Carrier, FL

VIETNAM-The Song Be provincial station, Thu Dau Mot City bests in Viet (1130-
1200) on 4600, altho announcing 4838.....BCCMS, BECMS items are used bypermissio:

CLANDESTINE-The Voice of Arab Syria is now using 6170 (ex 6060) and 9510 in AA
(0500-0600, 0800-0900, 1800-1900); The Voice of One Lebanon is also using 6170
and 9510 in AA (1030-1130, 2030-2130).....BCCMS

GOOD GUYS TO MEET AGAIN-The 2nd meeting of this newly formed organization in the
Pacific Northwest will be held on 21 May, from 1-5 PM, at Far West Federal Sav-
ings & Loan, 2920 S.W. Cedar Hills Blvd., Beaverton, OR. That's right next to
Earthquake Ethels. All SWLs and DXers are welcome, a \$2 donation is requested
to cover refreshments and other expenses. For more info contact me, please
enclose a SASE, thank.....

Thank you another record 124 reporters for making this months' A/o possible. A
big welcome to all the new members.....73, Bob 04/23/78

WORLD SERVICE STATION SKEDS

EMISSIONS

PROGRAMMI

Editor:

TRASMISSIONI

PROGRAMS

BULLETIN DE PROGRAMMES

LARRY TALBOT

N84 W15119 Knoll Terrace

ENGLISH SERVICE

Menomonee Falls, WI 53051

SERVIZIO

PROGRAMME SCHEDULE

Deadline: 15th

COMUNICATI NEL CORSO

AUSTRALIA, RA, sked changes, EE

To South & SE Asia:

1000-1600 9770 ex 9550.

1500-1730 11775 ex 11705.

To Europe:

1800-2000 11800 ex 11770.

Hardester, Johnson, Moody, Fraser.

RA's sked changes 7 May. Presume these changes may change also. LT.

AUSTRIA, ORF, sked changes, EE

To North America:

1230-1400 15320 ex 15425.

To Australia/NZ:

0700-0900 9605.

Fraser, Brame, Hook, Baum.

ORF's sked also to 7 May only.

BELGIUM, BRT, to Americas, to 1 Oct.

2245-2330 9685. DX pgm on Su.

2345-0100 6080, 9685.

Stickle, Hendricks, Maghakian.

BULGARIA, R. Sofia, EE to Afr

1830 on 11970, 17825. Maghakian.

CHINA, R. Peking, from Oct 1977. EE

To ECNA:

0000-0100 15060 15520 17680.

0100-0200 7120 9780 9940 11945 15060.

0200-0300 9940 12055 15060.

0300-0400 7120 9790.

1200-1300 9920.

To WCNA:

0300-0500 9460 11650 12055 15060.

To Australia/NZ:

0830-1030 9460 11600 11720 15060 17635

To seAsia:

1200-1400 9290 9470 11650 15270.

To South Asia:

1400-1600 7315 9860 11650.

To E & S Africa:

1600-1800 7620 9860.

To W & N Africa:

1930-2130 7080 7620 9470.

To Europe:

2030-2230 6270 6860 7590. Fraser.

CONGO, S.W. African Peoples Org. EE

1630-1700 15190, 5765. M-F. Johnson.

CUBA, R. Havana, EE to CA, SA, Carib.

2050-2135 9770, 17750. Monjure.

CZECHOSLOVAKIA, R. Prague, EE to NA

0100-0157 5930 7345 9540 9630.

0300-0357 same.

Inter-Programme 0015-0040 6055 9630.

Scott Snyder.

ECUADOR, HCJB, EE

To North America:

1200-1630 15115, 11745.

0040-0500 11915, 9560.

0500-0700 11915, 9560, 6095.

DX Partyline M, W, Sa @ 0230.

To South Pacific:

0600-1130 11900 6130.

0700-1030 11900 9745 6130.

DX Partyline M, Th, Sa @ 0900.

To Europe:

0700-0830 11840, 9665.

1630-1800 17890, 15295.

1900-2030 17890, 15295.

DX Partyline M, Th, Sa @ 1700 & 2000.

Monjure, Maghakian, Johnson.

Congrats to HCJB for a most unique & appealing sked. Larry.

ETHIOPIA, V. of Revolutionary

ETHIOPIA, EE 1700-1800 9595, 7155.

Abe Diamond.

FINLAND, RF, sked change 2300 EE to

NA now 9755 ex 9645. Maghakian.

FRANCE, Paris Calling Afr, now on

their Daylight Time, EE is 1600-1700

11845 15200 15300 15360 15425 17720

17800 17850 17860 21580 21620.

Freq may change after 6 May. Earhart

Johnson, Yohana, Malone, Brame,

Fraser, McCurdy, Herbold.

GERMANY, DEMOCRATIC REPUBLIC, RBI, EE

1930 Eur 6080 6115 7185 7300 9730.

2215 Eur 7260.

0445 Afr 11875 6195.

1315 Afr 17775.

1800 Afr 15145 15170 11875.

2000 Afr 11975 9665.

0645 seA 17700 17740.

1200 seA 15115 17880 21540.

1400 seA 17880 21540.

1530 seA 11975.

0100 eNA 9730.

0230 eNA 9730.

0330 wNA 5955 6080 11890. Lindsey.

GERMANY, FEDERAL REPUBLIC, DW, EE,

To Asia/Australia:

0120-0220 6065 7210 7285 9690.

0930-1030 9650 11850 15275 17715

17780 17800 21540.

1720-1750 7160 9590 11785 15405 17875

2100-2200 7130 9765.

0430-0515 7150 7225 9565 9765 11765.

To Africa:

1045-1115 11785 15410 17765 17875

GERMANY, Fed. Rep. DW, (cont)
21500 21600.
1715-1745 9735 11965 15135 17730.
1745-1805 15135 17730.
0600-0630 9700 11765 11905 15275 17765
1200-1245 15410 17765 17875 21600.
1930-2000 11905 15150 17780.
To Eastern NA:
0130-0150 6040 6075 6085 6100 9545
9565 9605 11865.
0530-0550 5960 6100 6185 9545 11785.
The underlined freq replaces 6135.
1115-1215 JJ to Asia 9605 11765 15135
17825. Thompson, S. Snyder,
Lindsey, Carrier.

GREAT BRITAIN, BBC, WS/EE to 2 Sept.
To Americas:
0445-0915 9510W. 0900-0915 6195W.
1100-1330 15215 11775W 6195W 5990S.
1500-1745 15365S 9580S.
2000-2115 17830W. 2000-2245 15260A.
2000-0030 15070 11750. 2000-2330 6195W
2115-0330 9510. 2200-0730 6175S/W.
2245-0330 7325, 2245-0730 5975.
2300-0330 9580A. 2330-0330 6120S.
To Australia/New Zealand:
0545-0915 11955 9640 7150.
0900-1130 15310T, 21660C.
0900-1330 15070. 0900-1615 11750T 9740T
1100-1615 6195T. 1130-1245 21660C.
1430-1615 9410. 2000-2245 11750 9410.
2000-2115 7120.

To Asia including Japan:
0000-0030 17880T. 0900-0945 17880T.
0900-1130 15280T. 0900-1615 11750T 9740T
0900-1830 6195T. 2200-2245 7120T.
2200-0030 11955T 9570T 6195T.
2300-0030 15435T.

To Asia including India:
0030-0330 9510K. 2000-2115 17830W.
2000-2245 15260A. 2115-0330 11750.
2245-0330 9915 6005A. 2300-0330 9580A
& 5975.

Underlined=not daily. Relay sites are:
A-Atlantic(Ascension) C-E. Medit.(Cyprus)
E-Eastern(Oman-Masirah Isl) S-N American
(Sackville) T-Far Eastern(Tebrau)
W-Caribbean(Antigua/Montserrat)
K-is unknown, perhaps their new location
in Singapore. The Oman sites mw only.
I have the full sked for all targets if
anyone wants, send me SASE. Good to see
BBC again indicating relays even if they
don't verify. K might also be a VOA xmtr??
Ligon, Zilmer, Johnson.

GUAM, KTWR, Trans World Radio, to 6 May.
0900-1000 EE 15115, EE/JJ 15155.
1000-1100 EE 15155. 1100-1130 EE 15145 11865
1430-1500 EE 15145 11900. 2100-2130 EE 15155
2200-2300 JJ 15155. 0000-0130 17855.
0030-0100 EE 17830. Johnson & ???..

HOLLAND, R. Nederland, EE to Oct, M-Sa,
0700-0720 Afr L17700 L15235 L9770.
0730-0820 Au/NZ B9770 B9715.
0830-0920 Au B9715.
0930-1030 Eur L9895 L9660 L7240 L6045 L5955.
1330-1420 Eur L9895 L7210 L6045 L6020 L5955.
1430-1520 seA M17855 M11740.
1830-1920 Afr L17700 M11730 M6020.

HOLLAND (cont)
2030-2120 Afr B26140 B17810
L15220 M11740 M11730.
0230-0320 NAE B9590 B6165.
0530-0620 NAW B9715 B6165.
On Su Tom Meyer's Happy Station is
slightly different. The 1st bdcst
is 0730. From then on Times & freq
are same as daily. However there
are some SS bdcsts squeezed be-
tween the EE ones.
L=Lopik Holland, M=Madagascar,
B=Bonaire Netherlands Antilles,
Brame, Benjamin, Fraser, Monjure.

HUNGARY, R. Budapest, May 1-Nov 6,
1030-1100 Au/NZ 21525 17715 15160
11910 9585 7155 6040.
1200-1220 Eur M-F 21525 17785 15160
11910 9585 7155 6040.
1430-1500 Asia M-F 21525 17710
15160 11910 9585 7215
6040.
2100-2130 Eur 15225 11910 9655
7215 6110 6060.
0200-0230 NA Tu-Su 17710 15225
11910 9585 6160 6080.
0300-0330 NA 17710 15225 11910
9585 6105 6080.
DX pgm Tu & F to Eur 1515-1530
17780 15160 11910 9585
7215 5980.
DX pgm W & Sa to NA 0400-0415
same freq as 0300 to NA.
Scott Snyder, Talbot.

IRAQ, R. Baghdad, EE to June 30
2130-2230 on 9745. 0300-0400 11905.
Only.

ISRAEL, IBA, EE to 6 May.
0500-0515 Au/NZ 11960. NA/wEur on
11655 9835 7412.
1200-1230 seA 15530. NA/wEur 21500
17815 15405 11655.
2000-2030 Afr 9425 9009. NA/wEur
11655 9815.
2230-2300 eNA/Carib 9435. NA/wEur
11655 9815 7412.
Johnson.

JAPAN, RJ, EE, 7 May-2 Sept.
2015-2045 mE/Afr 11855 9700.
2345-0045 NA 15270.
??? 0130-0230 NA/SA/Hawaii 17825
17755 15195 17725.
0800-0830 Eur 21535 17825.
1830-1900 Eur 9605 7195.
0930-1030 Au/NZ 15235 11875.
1115-1145 seA 11875 9675.
1630-1700 sAs/Afr 11705 9670.
Underlined indicates a change
from original printed sked.
Zilmer.

JORDAN, RJ, EE, no date,
1000-1300 Eur 7155 7.5kw.
1500-1700 NA/Eur 9560 100kw.
1800-1830 non-dir 9560 100kw.
*NOTE: A lot of the skeds this
*issue are already outdated.
*Sorry but thats the way I got
*em & thats all had to work/w.

KOREA, Dem. People's Rep, R Pyongyang
0600-0800 Eur 11535, 9420.
2000-2200 Eur 9420, 6576.
1500-1900 mE/Afr 9977, 7203.
0800-1000 seA 11535, 9420.
1300-1500 seA 9977, 7203.
1100-1300 NA 11535, 9977.
2300-0100 NA 11535, 9977.
Karcheski, Harada.

KOREA, Republic, KBS, EE, from Jan QSL
0600-0630 1800-1830 NA 11860 9640 9675
7240 9720.
1000-1030 LA 9580, 9525.
2000-2030 1330-1400 11860 9665 9720
9525 9640.
1130-1200 mE 11860 9720 9665 7240 7150
0600-0630 1600-1630 2300-2330 seA
9640 7150 9525. Pettit.

KUWAIT, RK, Stephen Koval has spotted
an error in RK sked. RK uses their
time on skeds which is GMT+3. Sked
should read (in GMT): EE
0500-0800 Arab Gulf/seA 9650 15345.
1700-2000 Arab Gulf/Eur 9650 12085.
Thanks Stephen, I missed that one
myself. LT. Fraser.

LEBANON, RL, EE to NA, from bdcst,
0230-0300 11825. A Diamond, Johnson.

MALTA, IBRA R. via R. Mediterran, EE
2030-2115 Su. 2030-2100 M. 2100-2115 Th
All on 5990. IBRA's addr is S-105 36,
Stockholm, Sweden. Dalum.

NEPAL, RN, 1440-1520 EE 5005, 3425.
No target. Johnson.

NIGERIA, VON, EE
0600-0835 Medit/Eur 15120.
1530-1700 Afr/mE 7275 11770 11900.
1800-1930 Eur/Afr 15120 7275 11770.
Ikorodu 100kW. 3-500kW xmters now be-
ing readied. Johnson.

NORWAY, RN, EE on GMT Su/M only, to Sep
0800-0830 Au/NZ 2590, Pac 15175,
fE/Au 15135.
1200-1230 Eur 6015, Indo 15175,
mE/Indo/Au 21730.
1400-1430 Eur/Afr 2590, NA/CA 17840,
Eur/mE/eAfr 21730.
1600-1630 NA/CA 15175, Eur/Afr 17795,
wAfr/SA 21730.
1800-1830 wAfr 11935, NA/CA 15175,
mE/e&sAfr 21730.
2000-2030 Pac 11850 15135, Eur/Afr 15175
2200-2230 NA/CA 11850 17795, CA/SA 15175
0000-0030 NA/CA 9605 11860, wAfr/SA 15175
0200-0230 NA/CA 2610 11860 11735.
0400-0430 NA/CA 9645 11860. Pac 11895.
Stickler, Johnson, Jackson.
Underlined 250kW. Others 100kW.

PAKISTAN, RP, EE nx 0930-0935 to sAsia
15520 & 11885. A. Diamond.

POLAND, Polskie R, EE/Polish to NA to May
0200-0400 15120 11815 9525 6135 6095.
Dalum.

PORTUGAL, AWR-Europe, EE
0900-1000 incl DX pgm on 9670.
Stickler.

IBRA R. via R. Trans Eur
2030-2100 Th & Sa. 2045-2100 F & Su
Both on 9670. Dalum.

SAUDI ARABIA, BSKSA, EE to 7 May,
1000-1300 1900-2200 on 11855.
Dalum.

SEYCHELLES, FEBA, EE from 5 Mar,
0400-0445 eAfr 11800. not Sa-Su.
0700-0800 sAsia 15160 not Sa-Su.
1530-1630 sAsia 11865 9545 same.
A. Diamond, Boerst, Dalum.

SINGAPORE, RS, EE, no date,
2230-1630 5052, 11940. Norcross.

SRI LANKA, Radio Monitors Internat-
ional hosted by SPEEDXER Adrian
Peterson, new sked; Sundays, EE,
0315 India 9720 15425.
1100 Au 11835. fE 15120. seA 17850
1900 mE 9720 11870. eAfr 15115 17850
Pgm now has 3 segments ea wk, a
strn profile, tech topic & DX Digest
The bdcst by SLBC, pgm addr is Box
15, Poona 411001, India.
Features coming up: May 7-Mauritius
May 14-Finndx. May 21-R. Australia.
May 28-Antarctica. Also spec birth-
day pgm as RMI is 3 yrs old. June 4
USA. June 11-Cook Isl. Peterson,
Fisher.
AWR bdcsts from SLBC also. EE
Su 0330 9720 15425. F 1330 6075,
9720 15425. Sa 1330 6075 9720 15425
4940. Addr same as above. Mellinger

SWEDEN, RS, EE to Sep 3,
0030-0100 NA 11905.
0230-0300 NA 9695, 11705(a change)
1100-1130 Eur 9630, Au/NZ 15125.
1230-1300 eAfr 15240, Afr 21690.
1400-1430 sAsia 17735, NA 17790.
1600-1630 Eur 6065, mE 15240.
1830-1900 Eur 6065, Afr 15240.
2100-2130 Afr 11845, mE 15415,
2300-2330 NA 9690, 11800.
Worrel, Karcheski.

SWITZERLAND, Red Cross R, sked run
previously I left out times. 1hr ea
@ 0600 1130 1700 2200. Kurtz.

USSR, R. Kiev, 1/2 hr xmsns
2030 7060 6020 5070 to Eur.
1230 15100 11790 11690 7215 7150
to NA. Also 0300 11860 9580 7400
7360 7215 5900. Pallen.
Other USSR news & skeds available
in USSR HF Bdcst Newsletter publ
by Roger Legge. Really good for
USSR DX buffs, \$3/12 issues. Write
Box 232, McLean VA. 22101.

UGANDA, UBC, EE no dates,
0900-1100 6030. 1300-1417 6030.
1500-1530 6030. 1608-1650 9515.
A. Diamond.

Editor:

KEN COMPTON
7 Mount Vernon Street
Brighton, MA 02135

Deadline: 15th



SCHEDULED BROADCASTS OF USCG COMSTA BOSTON - NMF

TIME	FREQUENCY	SUBJECT
0018	5320, 8502 (CW)	International Ice Patrol (Seasonal)
0050	472 (CW)	Weather, Notice to Mariners
0440	2670 (Voice-USB)	Weather, Notice to Mariners
1040	2670 (Voice-USB)	Weather
1218	8502, 12750 (CW)	International Ice Patrol (Seasonal)
1350	472 (CW)	Notice to Fishermen
1405	2670 (Voice-USB)	Notice to Fishermen
1640	2670 (Voice-USB)	Notice to Mariners
1650	472 (CW)	Weather, Notice to Mariners
2240	2670 (Voice-USB)	Weather

NMF working freqs, CW, are: 472, 8459, and 12934.5. Ships use ITU common channels 4-5-6 of the 8 and 12 mhz bands. (Charlie George-TX)

**South Yemen Declares
It Has Nationalized
Cable & Wireless Unit**

ADEN (AF) - The Marxist government of South Yemen has nationalized the communications system there of Cable & Wireless Ltd. of Britain.

The Aden branch will be taken over effective Saturday, the minister of communications announced.

The minister said a new national Yemeni communications company will be operated by Yemeni workers, who the minister said will run the company better.

Cable & Wireless has been the only communications system in the area for the past 107 years. It runs the telephones as well as telegraphic services. The company's international lines run through London, which might cause a problem for the South Yemenis if the British refuse to cooperate.

The minister didn't say if any agreements had been concluded with the British company.

Cable & Wireless couldn't be reached for comment.

Thanks
to
Steve
d'Adolf-MA



Thanks to Mike Chibak-CC

QSLs All freqs in kHz

- AUSTRALIA:** VNG Telecom Australia Lyndhurst 7500 f/d folder cd in 48d air for no RP. (Mellinger-NJ)
- AZORES:** USAF Lajes 8967 PFC & brochure in 15d for ms. Ltr stated an airways op is going to design a QSL for future use for veries (Russell-IL)
- BERMUDA:** VRT C&W 12000. F/d fldr cd in 110d for IRC. (Chituck-MD)
- CAROLINES:** "YAP" Yap Is. 317. PFC in 28d for ms. 440w. (Hardester-OKI)
- GUAM:** A1E USAF Andersen AFB 6738 PFC in 9d air for ms (Russell-IL)
- "GUM" USN Windward Hills 385. PFC 12d for ms. 2850w. (Hardester-OKI)
- INDONESIA:** Jakarta Aeradio 8868 f/d EE ltr in 110d air for EE rpt & ms. (Hardester-OKI)
- JAPAN:** JCK Nippon T&T Kobe 4332.5 f/d cd 18d air for ms (Hardester-OKI)
- NORWAY:** LCJ Jely 9980 PFC 23d for IRC. 30kw. (French-MD)
- PANAMA:** CZ: AHF Albrook AFB 18019 time & freq only AF Comm Svc cd in 13d air for ms. (Russell-IL)
- NEW ZEALAND:** ZRQ2 Navy Waiouru 12943.5 f/d ltr 97d for 2 IRCs (Chituck-MD)
- PHILIPPINES:** A1C Clark AFB 6738 f/d cd 8d air for ms. (Russell-IL)
- U.S.A.:** "FND" air beacon Baltimore 371 f/d PFC in 10d for ms. This makes my 3rd longwave veri! Hank Holbrook, watch out! (Hi!) (Chituck-MD)

NMF USCG Boston 2670 f/d color ed 18d for SASE (George-TX)
 NMC USCG Ft. Reyes CA 4393.4 f/d yellow ed, ltr, shed, station booklet
 in 202d(!) for SASE (not used). VS: RMC R. J. Keller (George-TX)
UPPER VOLTA: FC&R Ouagadougou 11095 makeshift f/d ed 1m 2 IRCs(Lobdell-MA)
SHIPS: CGBP CCG "Narwhal" tender 2182 PFC 17d for ms (Holbrook-MD)
 KNDE "Delaware II" NOAA research ship 2670 PFC 47d for ms (Holbrook-MD)
 NJMR USS "Tacoma" off Mayport FL 2716 PFC 28d for ms (Holbrook-MD)
 NZRM USNS "Albert J. Myer" cable repair ship 2716 PFC & ltr 26d for ms.
 200w. (1st ship off W. Coast hrd hr on this freq since '65)(Holbrook-MD)
AIRCRAFT: ARIA ONE USAF Space Comm Acft 19960a date&time only ltr 23d for
 PFC(not returned) & ms (French-MD) Address: Department of the Air Force
 Headquarters 4350th Test Wing (AFSC) Wright-Patterson AFB. OH 45433

DEPARTMENT OF THE AIR FORCE
 HEADQUARTERS, 4950TH TEST WING (AFSC)
 WRIGHT-PATTERSON AIR FORCE BASE, OHIO 45433



REPLY TO
 ATTN OF DOMM

22 March 1978

SUBJECT:

TO Robert H. French
 1919 Rochelle Avenue
 Apartment 1831
 District Heights, Maryland 20028

Dear Mr. French

You were right about hearing ARIA ONE! In reality, it is a USAF
 EC-135N (a modified Boeing 707 type aircraft) assigned to the
 4950th Test Wing, Wright-Patterson Air Force Base, Dayton, Ohio.
 At the time you heard us on 5 March 1978 between 1711-1725 GMT
 (I was the navigator), the aircraft was flying in the Mediterranean
 south of Crete.

The aircraft is highly instrumented for the purpose of receiving,
 recording, and retransmitting telemetry data from spacecraft being
 launched from the U.S. On this particular date, the aircraft was
 in support of a test conducted from the Western Test Range at
 Vandenberg AFB, California during the orbit insertion phase of a
 LANDSAT-C satellite.

In addition to the airborne instrumentation, the aircraft has several
 1000 watt transmitters for communications purposes. CIVIL 19 is
 SILVER 19; our communications interface at the Cape. ARIA CONTROL is
 the 4950th Test Wing communications center/command post. Keep
 listening!

Sincerely,

THOMAS W. MCKINNEY, MAJOR, USAF

GULL 10 USAF WC-130H 5688 PFC in 13d for ms. 400w. (Chabak-CO)
 CG#1435 HH3F 5696 PFC in 39d for ms. 200w. (Chabak-CO)
 UBGG#1501 HC-130H 5696 PFC in 39d for ms. 200w. (Chabak-CO)
 USN CS720 P-3B 6738 PFC in 8d for ms. 400w. (Chabak-CO)
 USNR KN690 P-3A 6738 PFC in 13d for ms. 400w. (Chabak-CO)
 USN TX600 P-3B 6738 PFC in 8d for ms. 500w. (Chabak-CO)
 USAFR Teal 17 WC-130H 6750 PFC in 9d for ms. 125w. (Chabak-CO)

All times GMT

LOGGINGS

All freqs in kHz

NORTH AMERICA

ALASKA: 5519 0355 KIS70 Anchorage VOLMET OM EE wx AM (Germs-AZ)
 6738 0754 AKA Elmendorf AFB OM EE wkg MACS0223 USB(Chabak-CO)
 8903 0300 KIS70 Anchorage VCLNET YL EE wx AM (Howell-CA)
 CANADA: 2182 0422 VAI Vancouver CG OM EE tfc AM (McCreery-GA)
 0435 VAC Comox NS CG OM EE tfc AM (McCreery-GA)
 0443 VCP S. Lawrence Nfld CG OM EE tfc AM (McCreery-GA)

3001	0448	VCG Sydney NS CG wkg "Marine Atlantica"AM(McCreery)
4255	1800	VFG Gander VOLMET OM EE aero wx AM (Rakow-NJ)
5652	0612	CFH Navy Ellerhouse NS V mkr CW (Blaize-LA) (Lund)
6490a	0129	VFG Gander VOLMET OM EE aero wx AM (Stickle-NY)(Stone)
7335	0120	VCS DOT Ketch Harbor NS CQ mkr CW (Hook-FL)
8440	0920	CHU Ottawa Obs OM EE/FF time sigs AM (Sabadia-TX)
8697	0800	VCS CGG Halifax NS V mkr CW (Lund-SPAIN)
8903a	1200	CFH CAFS Halifax NS Iceberg Rpt CW (Taylor-PA)
9173(t)	0116	Nordair Operations Montreal OM EE tfc USB(McCreery)
12876	0430	CHU time sigs hrd here 1/20/78 AM (Hauser-TN)
13272	0405	VAI Vancouver BC CG R. V mkr CW (Brame-IL)
GREENLAND:6738	2125	VFG Gander VOLMET wx AM(Brodsky)(Ellis-OH)(Pimblett)
MEXICO:3000a	0814	XPH USAF Thule OM EE "Capsule" boat USE (Chabak-CO)
4250	0535	Mexican fishing boat net hrd hr nightly AM(Howell-CA)
10017	0445	XFU D.G.T. Vera Cruz CQ mkr CW (Conway-MALAWI)(Blaize)
12705	2301	Merida Aeradio OM SS wkg Air Mexico 411 AM(McCreery)
U.S.A.:2182	2225	XFL Mazatlan R. CQ mkr CW (Howell-CA)
	0506	NMA15 USCG Ft Myers Beach FL wkg "Black Jack" AM (McCreery-GA)
	0605	KFS IT&T Half Moon Bay CA tfc 1st CW (Blaize-LA)
4310	0541	WNU TR&T Slidell LA V mkr CW (Hook-FL)0750(Lund-SPAIN)
4387	1135	WCM Pittsburg PA OM river tfc LSB (Gunn-IL)
4411a	1136	WGE RCA St Louis MO wkg barges LSB (Gunn-IL)
4585	0259	KIG447 Kiddy Car OM EE wkg mobiles SSB (Stone-ONT)
4742	0821	AFL Loring AFB ME OM EE wkg MAC40639 USB (Chabak-CO)
5515	0405	KBF70 Oakland VOLMET OM EE aero wx AM (Garms-AZ)
6463	1146	KOK IT&T Cerritos CA CQ mkr CW (Hardester-OKLAHOMA)
5652	0138	NY VOLMET OM EE wx AM(Stickle)(Brodsky) 0751 (Howell-CA) 1520 (Reiley-MD) 2317 (Ellis-OH)
5747	0307	VOA Greenville NC feeder to Munich SSB(Maghakian-NY) U&LSB 2 progs 0550 (?????-??) (PLEASE PUT NAME & STATE ON EVERY LOGGING.-Ed.)
6715	2048	Hayward Rescue CA OM EE wkg King 61 (Air Nat'l Guard) USB (Devendorf-CA)
6997.5	2240	WAR U.S. Army MARS net OM EE USB (Hackney-TN)
7315a	1845	AFD4GUN OM EE wkg AF MARS net LSB (Hackney-TN)
8610	0516	WSC RCA RCA Tuckerton NJ V mkr CW(Monjure-NJ)(Lund-S)
8642	1215	KPH RCA San Francisco V mkr CW (Taylor-PA)
8735.2	0230	KMI ATT Dixon CA OM EE wkg "Sea Venture"USB(Benjamin)
8868	0615	WSY70 NY VOLMET OM EE wx AM(Benjamin-CA)(Brodsky-NY)
8903	0311	KSF70 Oakland CA VOLMET OM EE wx USB (Compton-MA)
9905	0422	WEH73 AT&T NYC OM EE vm SSB (Musterle-FRG)
10000	0048	WVW Ft Collins CO time sigs AM(Del Rio-CA)(Musterle)
11182	2013	AFG37 Scott AFB IL OM EE acft tfc USB (Ellis-OH)
11246	1930	AFES MacDill AFB FL YL EE wkg MAC40615 USB(Ellis-OH)
12250a	0452	KOK IT&T Cerritos CA CQ mkr CW (Monjure-LA)
13113.2	0030	NMC USCG San Francisco OM EE wkg "Keystone"(Ireland)
12952.9	1828	WMH RCA Baltimore MD V mkr CW (Brame-IL)
12970.5	0520	WOE RCA Lantana R. FL freq ANS mkr CW (Pettit-IA)
13201	2244	AFI McClellan AFB CA OM EE acft tfc USB (Ellis-OH)
13247	2200	AFA Andrews AFB MD OM EE wkg SPAR 68 USB(Devendorf)
13272	0805	WSY70 NY VOLMET OM EE aero wx AM (Jones-CA)
13612	2052	WEE73 AT&T NYC OM EE vm USB (Musterle-FRG)
15015	1529	AFG37 Scott AFB IL OM EE wkg MAC67950 LSB(Hackney-TN) 1955 Navy acft tfc USB (Chituck-MD)2110(Pimblett-ALB)
	2043	AFL Loring AFB ME OM EE wkg Otis 317 SSB(Chituck-MD)
15535a	1934	KKN50 State Dept Wash DC c/w KWB69 CW (Hobson-MI)
15649a	1447	VOA Slavic lang feeder(?) AM(Hauser-TN)(Xmtr site?-Ed)
15752	1735	VOA Greenville NC RR feeder to Munich USB(Hackney-TN)
16873a	0529	KLC IT&T Galveston TX CQ mkr CW (Trubee-HI)
17184.8	0315	KFS IT&T SanFran CQ mkr CW(Lund-S)2042(Trubee-HI)
 19640	2018	ORION CONTROL Cape Canaveral FL wkg Riot 22 (NASA net) USB (Hauser-OK)
17610	2318	WED57 AT&T NYC OM EE vm SSB (Musterle-FRG)
17640	0051	WED67 AT&T NYC EE tfc LSB & USB (Dawson-CA)
20060	1628	VOA RR feeder Greenville NC SSB (Hauser-TN)
21622	0040	KPH RCA San Francisco V mkr CW (Pettit-IA)
25590	2201	NAM USN Driver VA CQ mkr CW (Dawson-CA)
	1225	NAR USN Key West FL CQ mkr CW (Musterle-FRG)

CARIBBEAN

BERMUDA:6457.5 0015 VRT C&V V mkr CW (Brame-IL)

CUBA:	7315	0524	CLN84 IRFS Bauta bagpipe music mkr AM (Musterle-FRG)
	11895	1820	CLB Havana (EMRAIN?) CQ mkr CW (Brame-IL)
	17175.5	2043	CLS EMRAIN Havana R. CQ mkr CW (Trubee-HI)
CURACAO:	8694	1208	PJC PTT Willemstad CQ mkr CW (Taylor-PA)
GUANTANAMO:	11130a	0139	AA&R OM EE vm SSB (Musterle-FRG)
	13750	0010	NAW31 AAC&R OM EE vm LSB (Musterle)2355 (Ireland-TN)
	13765	0009	NAW36 AAC&R OM EE vm SSB (Musterle-FRG)

CENTRAL AMERICA			
PANAMA CZ:	4222	0745	NBA USN Balboa V mkr CW (Lund-SPAIN)
	6730	0814	AHF Albrook AFB patching acft to Howard Metro (Chabak)
	11176	2340	AHF Albrook AFB OM EE wkg "Flight 43" SSB (Ireland-TN)

SCUTH AMERICA			
ARGENTINA:	8646	0530	LPD86 Gen Pacheco R. V mkr CW (Walters-NJ)
	15000	2310	LCL Buenos Aires SS time sigs YL CW (Musterle-FRG)
BRAZIL:	14855	0945	FSR EMRTEL Rio YL EE/FF - OM PP vm SSB (Musterle-FRG)
	22534a	2215	PWZ USN Rio V mkr CW (Musterle-FRG)
CHILE:	6742	0048	CAK (City?) weather CW (Taylor-PA)
	8718a	0317	CCT Navy Talcahuano V mkr CW (A. Mason-ONT)
COLOMBIA:	8937a	0023	Aero Condor Ops Net Cartegenta SS tfc USB (McCreery)
	1675	0634	"BGA" beacon Bucaramanga CW. Address? (Chituck-MD)
	1690	0635	"MDE" aero beacon Medellin CW (Chituck-MD)
ECUADOR:	7600	0145	HD210A INOCAR Guayaquil OM SS time sig AM (Kasprzyk -TX) 0345 (Karcheski-MA) 0431 (Chituck-MD)
FALKLAND IS.:	13482	1943	C&W Port Stanley OM EE-YL SS vm SSB (Musterle-FRG)
PERU:	15855	2123	CCB56 ENTEL Lima Valverde SS tfc USB (Dawson-CA)
URUGUAY:	16869a	0350	CWA S/T Montevideo V mkr CW (Lund-SPAIN)
	23010	1155	CXL48 S/T Paja Blancas YL time sigs // 8037 & 19525 AM (Musterle-FRG)
VENEZUELA:	6351.5	0525	YVG MinCom La Guaira V mkr CW (Walters-NJ)
	17555	2045	YWM Navy Maracaibo V mkr to Buenos Aires CW (Musterle)

EUROPE			
AZORES:	5610	0755	CSY Santa Maria Aeradio OM EE wkg Italia 566 (Chabak)
	6750	0746	CUW USAF Lajes patching LQ348 to CSY USB (Chabak-CO)
BELGIUM:	42762	2135	R.T.T. Ostend OM GG wkg "Lucia" AM (Lund-SPAIN)
	18467.5	0637	ORI28 PTT Brussels YL FF/EE/Flem vm USB (Musterle-FRG)
	19577	0755	ORI49 PTT Brussels YL FF/EE/Flem vm USB (Musterle-FRG)
	22533	1245	OST7 R.T.T. Ostend V mkr CW (Lund-SPAIN)
BULGARIA:	8532a	0455	LZW4 MI&C Varna ID mkr CW (Thompson-NM)
CYPRUS:	8377.4	2245	5BA CTA Nicosia OM EE/Gr vm SSB (Lund-SPAIN)
CZECHOSLOVAKIA:	5575	0325*	Prague VOLMET YL EE aero wx AM (Karcheski-MA)
DENMARK:	4303	0512	OX22 DGPT Lyngby CQ mkr CW (Walters-NJ)
ENGLAND:	6750	0720	AJE Croughton AFB wkg MAC60133 USB (Chabak-CO)
	9011	0727	AJE USAF Croughton wkg MAC70016 USB (Chabak-CO)
	11200	2230	MVU RAF West Drayton OM EE aero wx USB (Russell-IL)
	18537.5	0709	GMO38 BPO Ongar OM EE vm SSB (Musterle-FRG)
	22933	1500	BEC EE feeder Daventry USB (Chituck)1655 RR (Hackney)
FRANCE:	1906	1910	FFM PTT Marseille OM tfc list AM (Lund-SPAIN)
	6850a	0040	Internat'l Network Paris OM EE/FF vm LSB (Taylor-PA)
	14187.5	2132	FSB Interpol St. Cloud V mkr CW (Hobson-MI)
GERMANY, E.:	8463	1945	DHS Ruegen R. V mkr CW (Hardester-OKINAWA)
GERMANY, W.:	5690	0417	DHM95 Lahr Military YL EE aero wx USB (Chabak-CO)
	12246a	1837	DHM91 OM EE/GG wkg G.A.F. 1004 USB (Russell-IL)
	17645a	2052	DAN Nordeich R. CQ mkr CW (Trubee-HI)
	25580	1044	DGZ58 DB Berlin YL EE/GG vm SSB (Musterle-FRG) (Do you have an address for DGZ58 Werner?)1434 (Hauser-TN)
GIBRALTAR:	4220a	0750	GYU BRN CQ mkr CW (Lund-SPAIN)
	11234.5	0033	ELU RAF OM EE wkg Ascot 5498 USB (Russell-IL)
GREECE:	4228	1718	SKA5/4 Navy Athens V mkr & clg K13A CW (Hardester-OKI)
	23419a	2018	HTC Athens YL EE/FF/SS vm LSB (Ireland-TN)
HOLLAND:	2824	2105	PTT Scheveningen OM EE tfc list AM (Lund-SPAIN)
	10735	0507	PCL5Ø PTT Kootwijk EE wx, IDs USB (Martin-LA)
ICELAND:	13069.5	2120	TFA13 PTT Reykjavik CQ mkr CW (Russell-IL)
IRELAND:	5533	0250	Shannon VOLMET OM wx AM (Stone-ONT)0321 (Karscheski-MA)
ITALY:	4320	0516	IAR4 PTT Rome V mkr CW (Walters-NJ)
NORWAY:	6915a	0005	LHB Jelfy Norsk Radio Presse CW (Taylor-PA)
PORTUGAL:	4292	0506	CUL4 CPRM Lisbon CQ mkr CW (Walters-NJ)
	8552a	2012	CTP NATO Ceiras ID QSX mkr CW (Hardester-OKINAWA)
	19115	0758	CUA85 CPRM Lisbon music mkr AM (Musterle-FRG)

ROMANIA:17028a 1130 YQI PTT Constanta clg YQCN "Slobozia" CW (Conway-MWI)
 SPAIN: 2182 2030 CTNE Almeria R. CM EE wkg ships AM (Lund-SPAIN)
 8448a 1845 EBA Navy Madrid clg EBCQ CW (Lund-CANARY ISLANDS)
 14985 2040 EHY26 CTNE Pozuelo del Rey Music mkr AM (Musterle-FRG)
 SCOTLAND:5680 0727 Edinburgh Rescue OM EE clg Alpine 24 USB (Chabak-CO)

AFRICA

ANGOLA:19030 1613 CQX52 EMPUTEL Luanda OM EE/PP-YL FF vm SSB (Hauser-TN)
 ASCENSION IS.:11176 2347 AAF USAF OM EE wkg Albroom AFE SSB (Ireland-TN)
 CAMEROON:9045.5 0137 TJF90 INTEL CAM Douala YL EE/FF vm SSB (Pimblett-ALE)
 0321 (Karcheski-MA) 0531 (Musterle-FRG)
 CAPE VERDE:16936.6 0340 D4A PTT Sao Vicente CQ mkr CW (Lund) 0415 (Thompson)
 CHAD: 11608.5 2256 TT26 STIC n'Djamena YL FF/EE vm USB (Karcheski-MA)
 13427 0656 TT234 STIC n'Djamena YL EE/FF vm SSB (Musterle-FRG)
 CONGO: 6617 0132 Brazzaville VOLMET FF wx AM (Karcheski) (Maghakian-MA)
 DJIBOUTI:13042.5 2315 FUV French Navy V mkr CW (Thompson-NM)
 19450a 0537 ITC YL EE/FF vm SSB (Musterle-FRG)
 EGYPT:15755 0458 SUA288 PTT Cairo music mkr AM (Musterle-FRG)
 ETHIOPIA:8959 0404 Addis Ababa Aeradio OM EE wkg Air France 490 (McCreery)
 GAMBIA:13797 0315 C5B64 C&W Banjul OM EE vm SSB (Musterle-FRG)
 19115.5 1843 C&W Banjul OM EE vm USB (Karcheski-MA)
 GUINEA:20206 1854 3CA57 ENTEL Banapa music mkr AM (Musterle-FRG)
 IRAQ: 13410 0847 YIE35 PTT Bagdad OM EE vm to Moscow SSE (Musterle-FRG)
 IVORY COAST:13862.5 0653 TUP38 INTEL CI Abidjan YL EE/FF vm SSB (Musterle)
 KENYA: 18755 1820 5YF88 KETC Nairobi OM EE vm LSB (Karcheski) (Musterle)
 LIBERIA:16105a 0437 KKN44 U.S. Embassy Monrovia QRA mkr CW (Chituck-MD)
 16294 0222 5LP16 FCR Monrovia YL EE/FF vm USB (Russell-IL) 0715
 (Musterle-FRG) 1849 (Karcheski-MA)
 MADEIRA:2843 1905 CUB CPRM Funchal OM EE/PP tfc list AM (Lund-SPAIN)
 MAURITANIA:20242a 1804 PTT Nouadhibou OM FF vm to Paris SSB (Musterle-FRG)
 MOROCCO:1911 1935 CND PTT Agadir OM SS wkg CNBT AM (Lund-SPAIN)
 13966 0845 CNR28 PTT Rabat OM EE/FF/AA vm SSB (Musterle-FRG)
 MALAGASY REP.:6617 0339 Tananarive VolMet OM FF wx AM (Karcheski-MA)
 MOZAMBIQUE:20970 0648 C8N33 PTT Maputo V mkr CW (Musterle-FRG)
 NIGER:19196 0633 5UR91 FCR Niamey YL EE/FF vm SSB (Musterle-FRG)
 NIGERIA:8698 2337 5OW NET Lagos V mkr CW (Herkimer-NY)
 13065.5 1930 5OW NET Lagos V mkr CW (Herkimer-NY)
 RHODESIA:6358 1335 ZEF4 Police Umtali OM EE rolcall SSB (Conway-MALAWI)
 SENEGAL:8992 0315 6WW French Navy Dakar V mkr CW (Kasprzyk-TX)
 SOUTH AFRICA:4317 0514 ZSC33 Navy Silvermine CQ mkr CW (Walters-NJ)
 TANZANIA:18586 0543 5IZ88 TPTC Zanzibar OM EE vm SSB (Musterle-FRG)
 TOGO: 10800 0210 5VH308 FCR Lome YL EE/FF vm SSB (Musterle-FRG)
 UPPER VOLTA:11095 2033 XTA19 FCR Ouagadougou YL FF/EE vm (Musterle)
 YEMEN A.R.:10892 0418 4WA49 C&W Sana'a OM EE vm SSB (Musterle-FRG)

ASIA

AFGHANISTAN:18640 0615 YAK PTT Kabul YL EE vm SSB (Musterle-FRG)
 BAHREIN:10845 0434 A9M43 C&W Bahrein YL EE/AA vm SSB (Musterle-FRG)
 CHINA: 4343 1110 XSL Foochow R. clg ??? CW (Hardester-OKI)
 12877 1850 XSQ7 Kwangchow R. CQ mkr CW (Lund-SPAIN)
 19995a 2122 Satellite telemetry, hollow knocking CW (Miller-CA)
 INDIA:17480 1128 ATJ67 OTS Poona YL EE/Hindi vm SSB (Musterle-FRG)
 INDONESIA:8776 1343 PKP DKPL Dumai CQ mkr CW (Hardester-OKI)
 IRAN: 8471 0410 EQZ Abadan R. CQ mkr, tfc list CW (Herkimer-NY)
 IRAQ: 12986.5 1520 YIR Basrah Control R. V mkr CW (Conway-MALAWI)
 JAPAN: 8903 0642 JMA Tokyo VOLMET OM EE aero wx AM (Jones-CA)
 12878 0916 JCU Nippon T&T Choshi CQ mkr CW (Dawson-CA)
 16884 0530 JOU Nippon T&T Nagasaki V mkr CW (Trubee-HI)
 19880 0917 JBU69 KDD Tokyo YL EE vm SSB (Musterle-FRG)
 KOREA, N.:18510a 0710 KCWS Pyongyang YL EE vm SSB (Musterle-FRG) (Hardester)
 KOREA, S.:5810 1530 HLL Seoul Meteo CQ mkr, wx CW (Conway-MALAWI)
 OKINAWA:6470 1149 JCX Naha R. CQ QSX mkr CW (Hardester-OKI)
 PHILIPPINES:6290 0855 DZZ San Pedro Luzon R. CQ QSX mkr CW (Hardester-OKI)
 6446 1144 DZR RCA Manila V mkr CW (Hardester-OKI)
 8556 1345 DZF Galaxy Manila CQ mkr CW (Thompson-NM)
 8580 1340 DZO S. Jose del Monte R. CQ mkr CW (Thompson-NM)
 12890 1516 DZK ARECOM Manila V mkr CW (Conway-MALAWI)
 SINGAPORE:17199a 1100 9VG TAS CQ mkr CW (Hardester-OKINAWA)
 SYRIA:16397 0549 YKW107 PTE Damascus OM EE/AA vm SSB (Musterle-FRG)
 USSR: 14996 2015 RTA Novissibirsk time sigs AM (Hackney-TN)
 VIETNAM:8590 1348 XVS Ho Chi Minh-Ville R. CQ mkr CW (Thompson-NM)

OCEANIA

AUSTRALIA:6407 1133 VIC OTC Carnavon ID & tfc CW (Hardester-OKI)
 6680 0905 VLS Sydney VOLMET OM EE aero wx AM (Jones-CA)
 6691a 0907 AXJ RAAF Pearce OM EE wkg JGV USB (Chabak-CO)
 8478 0950 VIX1 RAN Master Station Canberra CQ mkr CW(Hardester)
 8598 1220 VIP OTC Perth weather beat CW (Taylor-PA)
 12000 0630 Telecom Australia Lyndhurst OM EE time sigs AM
 (Ireland-TN)0745(Kanzigg-FL)0900(Sabadia-TX)
 11247 0832 AXI RAAF Darwin OM EE wx USB (Devendorf-CA)
 14945 0753 VKS80 AOTC Sydney OM EE vm SSB - Hrd daily at this
 time w/xmsn to Australian Antarctic (Musterle-FRG)
 HAWAII:5320 0758 NRO5 Upolo Pt Loran YL EE wkg NRO4&7 USB (Chabak-CO)
 0800 NRO4 French Frigate Shoals Loran wkg NMO USB(Russell)
 0804 NRO7 Kure Is. Loran OM EE wkg NRO4 USB (Russell-IL)
 0550 NMO USCG Wahiawa OM EE marine wx USB (Benjamin-CA)
 8765.4 0501 KVM70 Honolulu VOLMET OM EE aero wx AM (Martin-LA)
 8903 0501 AIE Andersen AFB Guam YL EE wkg MAC40643 USB(Chabak)
 MARIANAS:8989 0748 NPN USN Guam CQ mkr CW (Musterle-FRG)
 21760 1257 NPN USN Guam CQ mkr CW (Musterle-FRG)
 NEW ZEALAND:7600 0456 ZLZ22 Himatangi Meteo CQ mkr CW (Musterle-FRG)
 12943.5 0535 ZLP2 RNZN Waiouru V mkr CW (Pettit-IA)
 16400a 0415 ZLS(City?) V mkr CW(Chituck-MD) Address, anyone?-Ed.
 W. SAMOA:8100a 0802 5WB G.W.S. Apia EE tfc USB (Dawson-CA)

ANTARCTICA

15845 0253 VNJ Casey Station V mkr CW (Russell-IL)
 0300 VLV Mawson Base OM EE vm, 0304 clg Sydney USB (Russell-IL)

UNIDENTIFIED

4715 2315 "Mystery Signal" 11 dots & 1 dash, rumored from outer space
 & to cause high fever in listeners - different pattern fol-
 lows pause. Strong. AM (Brookwell-CA) !!!-Ed.
 4840a 0500 5K OM EE wkg 5W in coded phonetics - mentioned, "HQ", "Hel-
 mets", "individual weapons" & "Captain Eric" SSB(Howell-CA)
 6800a 0902 "F" & "K" beacons on same freq CW (Chabak-CO)
 7850a 1908 "0NN" beacon type sig repeated CW (Compton-MA)
 9284.75m 0640 JPA4/33 clg VRD CW (Hardester-OKI) Tokyo police/Interpol?

SHIPS

2678 0926 NDWA USCGC "Morganthau" YL EE wkg NOJ patch USB (Chabak-CO)
 2716 0455 USS "Virginia" OM EE clg Navy Tug 4" USB (Hobson-MI)
 6506.4 2059 NOAA ship "Albatross 4" OM EE tfc to MNM USB (Hobson-MI)
 8250.8 2344 MNNS "Texaco Bombay" OM EE wkg GKU49 USB (A. Mason-OKI)
 8266 0102 5MFM "Chevron North American" wkg HEB USB (A. Mason-OKI)
 9250a 1633 USS "Ajax" OM EE clg "Sand Gopher" AM (W. Miller-CA)
 12330 0050 LADE "Royal Viking Sky" OM EE clg KMI USB (Ireland-TN)

AIRCRAFT

3144 0759 UJ030 OM EE wkg Hickam AFB USB (Chabak-CO)
 4700a 0725 GD359 OM EE wkg LIBERTY LADY USB (Chabak-CO)
 4746 0644 AGAR 18 wkg MacDill patch to Orion Control USB (Chabak-CO)
 0806 Sheba 18 OM EE wkg McClellan patch to Sheba Control(Chabak)
 6750 0722 Teal 17 OM EE wkg MacDill patch to Gull Monitor USB(Chabak)
 11182 2052 SAM24197 wkg Scott patch to SAM COMMAND USB(Devendorf-CA)

TACTICAL

4700 0818 LIBERTY LADY YL EE wkg YC144 USB (Chabak-CO)
 4739a 0908 CROSSCUT Barber's Pt NAS wkg FY896 on "Circuit Delta"(Chabak)
 4746 0755 BREASTBONE OM EE clg RAYMOND 22(Nellis AFB) USB (Chabak-CO)
 5694a 0826 SOB 7488 OM EE wkg COL 7489 (not military) USB (Chabak-CO)
 6761 0726 INFINITE OM EE wkg FOREMOST (over "w" beacon) USB (Chabak)
 6845a 1815 BARRACKS 11 OM EE wkg BARRACKS 7 & FISHER SSB (Chituck-MD)
 8760a 0344 TANGO GULF OM EE wkg PAPA HOTEL LSB (Hobson-MI)
 8972 0324 JULIET UNIFORM OM EE clg BIG DIPPER (Flash tfc)USB(Devendorf)
 10194 2129 OCTAVIA OM EE wkg EDGY 16 USB (Devendorf-CA)
 11017.5 2131 OCTAVIA OM EE wkg EDGY 16 USB (Devendorf-CA)
 11113a 2028 OCTAVIO OM EE wkg EDGY 11 USB (Russell-IL)
 11267 2157 FOXTROT SIERRA YL EE longcount tests USB (Hobson-MI)
 15025.5 1800 YO OM EE testing 4783.5, 6721.5 & 15025.5 USB (Hackney-TN)

"SPY" NUMBERS STATIONS

3000a 0212 YL SS 5-digit groups "Final Final" 0218* AM (Monjure-LA)
 3181.5m 1020 "RRM AUT" ltrs transposition for 5 minutes CW (Blaise-LA)

3220a 0428 4-note scale rptd & into YL GG 8-digit(?) # AM(Maghakian-NY)
 3218a 0425 4-note ascending chimes, YL GG # AM (Foxworth-NY) 1/22/78
 3370.2m 2315 YL GG 5-digit groups AM 1/22/78 (Foxworth-NY)
 3436a 0328 YL SS 5-digit groups 0331* AM 1/31/78 (Maghakian-NY)
 4545a 2116 YL GG 5-digit AM (Hutchins-ME) 2/2/78
 4666a 0401 YL SS "545" to 0410, carrier off 0419 AM (Watts-IN) 1/13/78
 4672a 0400 YL SS "545" repeated AM 12/13/77 (Blaise-LA)
 4770a 2115 YL GG 5-digit groups AM 2/2/78 (Hutchins-ME)
 5045a 0947 YL SS "Atención 001 65" AM (D. Smith-AL) 12/18/77
 4935a 0820 YL SS 5-digit groups AM 1/27/78 (Jackson-OR)
 5200a 0305 YL GG "Achtung" 5-digit groups AM (Stone-ONT) 1/2/78
 5700a 0235 YL SS 4-digit groups AM 3/21/78 (Stone-ONT)
 5811a 0205 YL SS "433 168" AM 3/21/78 (Ireland-TN)
 6510a 0712 YL GG 5-digit groups AM 4/9/78 (Compton-MA)
 6277a 0909 YL SS 5-digit groups AM 3/24/78 (Jones-CA)
 6780a 0617 YL SS 5-digit "Final Final" @ 0619 AM 4/2/77 (Broday-NY)
 7320a 2201 YL GG 3-digit identifier, 1-10 count rptd 2211* (Maghakian)
 7340a 0830 YL SS 5-digit 1/2/78 (Jackson-OR) 13/15/78
 7527a 0610 YL SS "Atencion 580 44" 5-digit groups AM (Devendorf-CA) 1/5
 7995a 0500 YL SS "319 90" 4-digit AM 3/18/78 (Howell-CA)
 8006a 0714 YL SS 5-digit "Final Final" @ 0715 1/28/78 (Jones-CA)
 8010 0715 YL SS 5-digit "Final Final" @ 0717 1/1/78 (Watts-IN)
 8112a 0220 YL Czech numbers 0222* (Hauser-TN)
 8839a 0435 YL SS 5-digit groups 0450* AM 4/8/78 (Jackson-OR)
 9125a 0402 YL GG, beeps & 5-digit groups 3/16/78 (Maghakian-NY)
 9480a 0800 YL SS "Atención 097 183" 5-digit stopped @ 0819, "888" @
 0828, break, then mag repeated "Final Final" 0847(Jackson)
 14339a *1738 YL EE "443" 5-note IS, groups of 5 mixed ltrs & nbra, groups
 alternating in GG & SS 1758* 3/18/78 (Jackson-OR) 1?
 14970a 2225 YL EE, beeps, then "808" over & over 2239* 3/26/78 (Byame-IL)
 17885a 2230 OM FF "861" rptd, flute mx 2238* 3/18/78 (Maghakian-NY)

RADIOTELETYPE

CANADA: 4271m 0540 CFH Navy Ellerhouse NS EE tfc 100/850 (Boutin-CA)
 CHAD: 13596.5 0235 TTL Ft Lamy RY test 66wpm/850 shift (Green-UT)
 13706 0115 TTL Ft Lamy RY test ??/??? (Keller-CA)
 DIEGO GARCIA: 13485 2015 MET CQ RY test, clg Mauritius ??/??? (Keller-CA)
 INDIA: 10592 1450 ATL61 Calcutta EE tfc to Rangoon 66/850 (Green-UT)
 KERGUELEN IS.: 14440 0645 FJY2 FTS Port aux Francais FF wx ??/??? (Conway-M)
 KOREA, N.: 11170 0700 HMS53 KCWS Pyongyang RY test & EE nx 66/425 (Green-UT)
 13512 0400 KCWS Pyongyang EE news ??/??? (Keller-CA)
 KOREA, S.: 12090 0630 6LK Seoul RY test 66/425 (Green-UT)
 MALTA: 13478.5 0400 9HA Luca RY test 66/850 (Green-UT)
 MARIANAS: 9190 0715 KUP71 Saipan RY test 60/850 (Green-UT)
 NIGERIA: 8977 0545 5NL Lagos CQ tape ??/??? (Keller-CA)
 PHILIPPINES: 10362 1500 DZG30 Globe-Mackay S. Juan-Rizal RY test (Green-UT)
 SENEGAL: 10406 0130 6VU Dakar RY test tape ??/??? (Keller-CA)
 SPAIN: 17095 1745 EBA Navy Madrid clg LOL ??/??? (Conway-MALAWI)
 SWEDEN: 10998 1445 SMA9 Stockholm RY test, wx 66/425 (Green-UT)
 TAHITI: 14470 0625 FXP78 Papeete RY test, wx 66/850 (Green-UT)
 TURKEY: 10545 2250 YMB Izmir EE test tape 66/850 (Green-UT)
 USSR: 10258 1430 RDZ71 Moscow RY test Tass nx 66/425 (Green-UT)
 10880 1630 RNK33? RY test FF nx 66/425 (Green-UT)
 14700 0510 REB24? RY test, Tass EE news 66/425 (Green-UT)

LONGWAVE

216 0621 "GLB" beacon, Carolina Beach, NC CW (Chituck-MD)
 218 0623 "ESN" beacon Easton MD CW (Chituck-MD)
 338 ---- "MS" New Orleans Intntl Airport outer mkr beacon, not WI
 as listed in last month's LW section. (Blaise-LA)
 365a 0320 Toronto VOLMET OM EE aviation wx AM (Stone-ONT)
 380a 0317 Detroit Aeradio OM EE aero wx AM (Stone-ONT)
 390 0559 "DDP" Dorado beacon Puerto Rico CW (Chituck-MD)
 438 0320 EAL CTNE Las Palmas Canary Islands wkg SVZV CW (Lund-SPAIN)
 472 1440 EAT CTNE Tenerife Canary Is. tfc list CW (Lund-SPAIN)
 500 0250 FFC PTT Bordeaux France tfc CW (Lund-SPAIN)
 1130 CNP PTT Casablanca annoc tfc list CW (Lund-SPAIN)
 510 1250 "PO" Hain-Gho Airport China beacon CW (Hardester-OKINAWA)
 526 1257 "KU" beacon Chiyai China CW (Hardester-OKI)
 230 0620 "FAF" beacon Ft Eustis VA CW (Chituck-MD)
 407 0605 "SWA" beacon Islas del Cisne Honduras CW (Chituck-MD)

QSL REPORTS



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

Verified Countries -- 128

Deadline: 15th of month

Another big month. Looks like the bad weather of last winter is paying off in QSLs. Jim Meehan includes a letter from RAE explaining that due to a recent change in identification as Spanish Foreign Radio, they are preparing a new pennant and QSL cds. Couple more reports received from Ulan Bator, both enclosing copies of the card (different cds) and both differing from the cds that have been previously printed here. Sorry, no space to run them this month. Another QSL letter from Laos, too--similar to the one previously printed. Other less frequently reported countries reported this month include Greenland, Gabon, Niger, Kenya, Cook Islands, Thailand, and New Hebrides.

With nearly 600 reports (a new record by a good 20%) and 98 reporters (another new record), 20 reporting for the first time, it looks like the squeeze is really on. I'll try to get the reports in my 7 pages and save the illustrations for last--if there is any room left. Too bad in a way--I received some outstanding duplicates this month that I would really like to run. Well--maybe next month! So without further ado, on with the show.

Europe

- ALBANIA:** R. Peking Relay, 7120, date/fqy "Red Flag Canal" cd in 16d (AMBRUSTER WI) (R. Peking does not indicate sites, Dave. bc)
- AUSTRIA:** ORF, 6155, 9770, 15255, 17710, "ORF Center and studios" in 32d, no rp (FRASER MA), same in 71d, no rp (JOHNSON FL), same in 44d for 2 IRCs (GRENIER CA); "Phantasmagorical Landscape" f/d cd in 28-39d air, no rp (LOBDELL MA)(DEATON CA)(PECENKA IN); f/d "Contemporary Austrian Art cd "Adam" in 90d air, no rp (SHREEDHAR INDIA)
- BELGIUM:** ORU, 6080, f/d logo/globe cd in 25d air, no rp (SMITH FL), same in 33d air, no rp (HOOK FL), same in 36d air, no rp (STICKLE NY); 27460, f/d color cd #2 "Sous-station d'alimentation 36,000 volts", no rp (SMITH FL)
- BULGARIA:** R. Sofia, 5915, 7070, 7115, 9705. F/d "Alexandre Nevsky Memorial Cathedral" cd in 30d air for 1 IRC (STONE ONT), same in 49d, no rp (MAYER CA), same, no time (MEEHAN CT); date/time/mb "Bachkovo Monastery" cd in 62d air, no rp (GEORGE TX), same in 133d sfc, no rp (PECENKA IN); date/time/mb "Nessebur" cd in 56d air, no rp (LINK CA), same in 59d air, no rp (JOHNSON FL); cd w/pix of native holding a flower in 48d air for 1 IRC, SS rpt (ESQUIVEL CA)
- CZECHOSLOVAKIA:** R. Prague, 5930, f/d "Trade Fair Grounds" cd in 90d air, no rp (STONE ONT), same in 106d air, no rp (BAUM FL); 7345, f/d cd "View of a castle from across the Danube" in 47d air, no rp (PECENKA IN), f/d "Lake Macha" cd in 49d, no rp (VOCKEROTH PA), f/d cd "Woodcut by Pavel" in 51d air, no rp (FRASER MA)
- DENMARK:** R. Denmark, 15165, f/d cd "Radiohouse Aerial Tower" in 17d air for 1 IRC (JOHNSON FL), same in 17d air, no rp (SNELLMAN PA), same in 33d, no rp (BEAUDOIN CT)
- FINLAND:** R. Finland, 15105, f/d cd "Winter in Finland" in 32d air, no rp (GARFIELD MA), f/d cd of ski stadium at Lahti in 29d air, no rp (HOOK FL), same in 31d for 3 IRCs (GEORGE TX), same in 42d, no rp (SMITH FL); 21495, f/d cd "Sixty years of Finnish Independence" in 35d air, no rp (SHREEDHAR INDIA), "Winter in Finland" cds in 24 and 33d air for 1 IRC (JOHNSON JAPAN)
- FRANCE:** R. France International, 11860, 11930, 15300, 15315, 15360, 15440. F/d cd "Saint Germain des Prés" + pennant in 40d air, no rp (PECENKA IN), f/d cd "Couleurs et Lumiere de France" + pennant in 33d air, no rp (ANGELONI NY), same in 70d air, no rp (HARADA HI), same cd in 120d air, no rp, FF rpt (MONTGOMERY NY), f/d cd "Basilica of the Sacred Heart" in 50d air, no rp (HOOK FL), date/time cd "L'Hotel de Ville Illumene" in 59d air, no rp (MILLER CA)
- GERMANY (Democratic Republic):** RBI, 9730, f/d cd w/painting of Berlin + pennant in 60d air for no rp (BLOM NY); 15170, f/d "sculpture" cd in 53d air, no rp (GEORGE TX), f/d cd w/impressionistic skyline drawing in 31d for 1 IRC (LINDSEY NJ); 17880, f/d cd "Alexanderplatz, Berlin, Capital of the GDR" in 8 wks air, no rp (LOBDELL MA); 21440, f/d cd w/painting "Berlin, Capital of the GDR" in 50d air, no rp (SMITH FL)
- GERMANY (Federal Republic):** Deutsche Welle, 6010, 6040, 6100, 6145, 9605, 9690, 11865. No data circles and logo cd in 30d air, no rp GG rpt (MONTGOMERY NY), same in 53d air, no rp (JOHNSON FL), same in 55d (ANGELONI NY), same in 71d sfc for 1 IRC, SS rpt (ESQUIVEL CA), same cd + pennant in 44d air, no rp (BAUM FL), same + pennant in 70d air, no rp (MILLER CA), date only cd w/painting--portrait of Sir Henri Lee in 21d air, no rp (THOMPSON NM)

.....Experience: the mistakes we like to remember.....

GREAT BRITAIN: BBC, 9580, no data London Bridge cd in 76d air (BYCURA PA); 25 mb, same cd in 65d air (STICKLE NY)
 VOA Relay, 7200, f/d cd w/cable car, White House, Statue of Liberty in 6d (HAGEN IL), same in 11d (SMITH FL)

GREECE: V. of Greece, 9530, f/d plain white cd in 27d air, no rp (PETTIT IA); 9760, same cd in 28d air (SNELLMAN PA), same in 32d air (HENDRICKS IL), same in 40d sfc (DEATON GA); 11730, same cd in 39d air (HOWELL CA), same in 37d air for 1 IRC (FISHER RI)

HOLLAND: R. Nederland, 9715, f/d cd w/pix of DX program producers in 52d sfc, no rp (SCHWARTZ PA), same in 56d air, no rp (SCHWARTZ PA); 11730, f/d "antennas" cd in 40d air, no rp (MONTGOMERY NY); 21480, date only picture cd from Leiden, 92d air, no rp (SMITH FL)

HUNGARY: R. Budapest, 6000, f/d yellow picture of bridge cd in 97d (BYCURA PA); 6080, f/d cd w/logo and city outline in 64d sfc, no rp (PRATH FL); 6110, f/d purple "Are you a member" cd in 80d air, no rp (BAUM FL); 6160, same cd in 31d air, no rp (MEEHAN CT), f/d multi-colored globe cd in 53d air, no rp (GARFIELD MA)

ITALY: IBF (time and freq), 5000, f/d cd w/veri statement and stn data in 35d air for 1 IRC (MOODY ITALY), same in 72d air for 1 IRC (HOFFMAN PA) (Moody's cd reproduced below. bc)

ISTITUTO ELETTROTECNICO NAZIONALE "GALILEO FERRARIS" - TORINO

**STAZIONE PER SEGNALI
DI TEMPO E FREQUENZA
CAMPIONE**

IBF

**STANDARD TIME
AND FREQUENCY STATION**

1.8 f (tre volte) - (three times)
0 8 0 0 Annuncio in forma
Voce identification
001

(three times)
1.8 f (tre volte)
0 8 5 0

Annuncio in forma
Voce identification.

ST - segnali di tempo
time signals

programma durante l'ora
hourly schedule

Si conferma, ringraziando, il rapporto di ricezione
 This is to confirm, with thanks, your reception report

di **IBF**
 of
 del 19 February 1978
 on
 alle 1350 tempo universale.
 at _____ universal time.

LA DIREZIONE
 DIRECTION

RAI, 6010, f/d "Il Settecento Italiano" painting cd in 80d air for 2 IRCs (BAUM FL), same in 94d sfc, no rp (BYCURA PA); 6010, f/d logo cd w/picture of Italian sculpture in 68d sfc, no rp (HOWELL CA), f/d "statue" cd in 175d for 1 IRC (JONES VA), f/d "Il Pescatore" cd in 49d air for 1 IRC (JOHNSON FL); 9575, f/d "Il Settecento Italiano" cd in 117d sfc for no rp (MAYER CA); 9710, f/d "Amore e Psiche" cd in 120d air, no rp (SHREEDHAR INDIA)

LUXEMBOURG: R. Luxembourg, 6090, f/d coat of arms and antennas cd in 10d air for 1 IRC (SNYDER NY), same in 21d air, no rp (MONTGOMERY NY), same in 30d for 1 IRC (SCHWEIKART VA) same in 38d air, no rp (HOOK FL)

MALTA: Deutsche Welle Relay, 6100, time only cd w/painting of a young girl in 35d air, no rp (THOMPSON NM)

IBRA, 9670, f/d cd w/logo and lighted Moorish castle in 105d air, no rp (DALUM IN) (Note: Jerry actually sent two reports: one to Stockholm and the second to R. Mediterranean in Malta. One cd recvd from Stockholm and the other from: IFAP Seccao S., R. Braamcamp, 84-6° Esq., Lisboa, Portugal. bc)

MONACO: TWR, 7105, f/d world map cd showing TWR sites in 60d air for 3 IRCs (JACKSON OR), same in 90d air, no rp (SMITH FL); 9610, same in 3 mo, no rp (LOBDELL MA); 11925, same in 6 mo sfc, no rp (PRATH FL)

NORWAY: R. Norway, 9610, f/d cd "Frogneseteren, Oslo" in 40d air, no rp (JACKSON OR), 11860, f/d cd "Desyusostre"-Getranger, Norway in 58d air for 1 IRC, Swedish rpt (why? bc) (JOHNSON FL); 15175, "Frogneseteren" cd in 60d, no rp (MEEHAN CT); 21730, same cd in 71d no rp (SMITH FL), f/d cd w/pix of ski lodge in 20d air (KANZIGG FL)

POLAND: Polskie Radio, 6095, f/d cd w/modernistic depiction of three people running (#1 cd in series of 5), 86d air, no rp (DALUM IN), same in 100d air thru Polish Embassy, no rp (SHREEDHAR INDIA) (Address on cd: Polskie Radio, 00-950 Warsaw, P.O. Box 46, Poland)

PORTUGAL: AWR, 9670, f/d orange globe cd in 59d air + pennant for 2 IRCs (MELLINGER NJ), Series II, Listener designed cd in 31d for 1 IRC (STICKLE NY), same in 60d air, no rp (SHREEDHAR INDIA)

R. Portugal, 6025, f/d cd "Povo de Varzim: Fishing Starting" in 18d air (SKORA ONT), same in 28d (PECEKKA IN), same in 30d (SMITH OH); 11935, same in 21d, no rp (ANGELONI NY), f/d cd "Sailboat at beach" in 25d, no rp (BIRKHAUSER MA), f/d cd of beach and boats in 40d, 2 IRCs (MONJURE CA), f/d cd "Pountain at Passeio Allegro", 34d, no rp (VOCKEROTH PA); 17880, same in 24d (BLOM NY), same in 43d (SMITH FL), f/d cd "Vasco de Gama Aquarium in

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**QSL
RADIO AFGHANISTAN**



BAMYAN / BUDDHA
height
53 meter

Thanks to:
Dave Clarke
Ken Compton
Doug Snyder

Thank you for your report on
the reception of Radio Baku's
broadcast for Azerbaijan

Date 28/vii.74
Time 18.43 - 18.54
Frequency 9840 (30,49m.)

Your report has been checked
with our records and is correct
in every detail.

Best wishes from

RADIO BAKU
Azerbaijan

RADIO REPUBLIC INDONESIA
RRI
NUSANTARA III
MEDAN

r. Doug Snyder
California - U.S.A.

VERIFICATION CARD

We gratefully acknowledge your reception report of our Station "RRI Nusantara III Medan" on

Frequency : 4765 kHz
date : February, 17, 1974
time : 12.28 - 13.09 GMT

RRI Nusantara III Medan
Station Chief,
[Signature]
A n n a t S r.

PORTUGAL (continued): Lisbon" in 30d air for 1 IRC (STONE ONT)

ROMANIA: R. Bucharest, 5990, f/d cd "Bucharest--Otopeni International Airport" in 72d air for 1 IRC (BYCURA PA), f/d cd "Young girl of Muscel Region", no time, no rp (MEEHAN CT), f/d cd "Peasant woman of Gorj-Mehedinti", no time, no rp (MEEHAN CT); 9530, "Young girl of Muscel Region" cd in 55d air, no rp (MILLER CA); 9570, f/d cd "National Costumes of Cluj region" in 81d air, 1 IRC (MAYER CA), "Sculpture" cd in 65d air for 1 IRC (MAISE LA)

SPAIN: RNE, 6065, f/d antenna cd in 56d air, no rp, SS rpt (JOHNSON FL), f/d form ltr due to ID change (see lead paragraph of column. bc) in 36d air, no rp (SCHWARTZ PA); 9360, f/d ltr QSL in SS in 23d air, no rp, SS rpt (THOMPSON NM); 11880, f/d form ltr in 21d, no rp (VOCKEROTH PA), same in 26d air, no rp (SEGLER CA), same in 30d for SS rpt and no rp (PETTIT IA), same in 30d (SMITH FL), same in 33d (EHRET PA), same in 50d air for 2 IRCs (TILBURY AK)

SWEDEN: R. Sweden, 9505, 9590, 9605, 9630, 9665, 9695, 9745, 11705, 11740, 11845, 11855, 15305, 17790, 17845, 21690. (Some of these fays don't look so good to me! bc). F/d yellow/blue map cd in 14-47d for no rp, 19-33d for 1 IRC, 14d for 2 IRCs (WAKISAKA JAPAN) (HARDESTER OKINAWA)(SMITH FL)(RAKOW NJ)(KELLER CA)(HENDRICKS IL)(MILLER CA)(SEGLER CA)(STICKLE NY)(SCHWARTZ PA)(HOWELL CA)(WORRELL ND)(SABADIA TX)(PRATH FL)(DEL RIO CA) The following also received a pennant (EHRET PA)(JOHNSON FL)(BLOM NY)(KUSALIK ONT)

STA, 21555, f/d orange/white map cd in 23d air, returned IRCs, site: Varberg (HARDESTER)

SWITZERLAND: SBC, 6045, 6135, 9700, 9725, 11850. SBC building cd in 15d air for 1 IRC (SCHWARTZ PA), same in 50d sfc, no rp (MONTGOMERY NY), same in 60d sfc for 1 IRC (KELLER CA), same in 60d sfc for no rp (MEEHAN CT), same in 67d sfc, no rp (THOMPSON NM) (Cds indicated as having none, some, or all data. bc)

USSR: (Ed. note: fays are as received in both kHz and MHz; spellings have been adjusted to agree with "Guide to Soviet Broadcasting." Please do not indicate sites unless so indicated on your QSL cd. Even these are suspect. For more accurate information refer to "USSR High Frequency Broadcast Newsletter."

Azerbaijan SSR: R. Moscow, 21490 (Baku), f/d 60th anniversary cd in 44d (SMITH FL)

Byelorussian SSR: R. Moscow, 7410 (Orsha), f/d 60th anniversary cd in 74d (LINK CA)

R. Minsk, 7420, f/d "Botanic Gardens" cd in 6½ mo, EE/RR rpt (BEAUDOIN CT)

Georgian SSR: R. Moscow, 17805 (Tbilisi), f/d winter scene cd in 31d (BEAUDOIN CT), 60th anniversary cd in 41d (KUSALIK ONT)

Lithuanian SSR: R. Moscow, 9635 (Kaunas), 60th anniversary cd in 41d (KUSALIK ONT) R. Vilnius, 7400, f/d cd w/drawing of castle in 118d air, 1 IRC (BAUM FL), f/d cd w/drawing of city in 129d (SMITH FL), same in 118d (GARFIELD MA); 15100, f/d cd of birds in tree in 30d air for 1 IRC (JOHNSON JAPAN)

RSFSR: R. Moscow, 6.15 (Komsomolsk-on-Amur), 7.17 (Khabarovsk), 7190 (Tula)(Yuzhno-Sakhalinsk), 7.20 (Armavir), 7205 (Moscow), 7.26, 7360 (Moscow), 7.44 (Moscow), 9.56 (Serpukhov), 9.54 (Petropavlovsk-Kamchatsky), 9.58 (Moscow)(Blagoveschensk), 9.61 (Khabarovsk), 9.73 (Nikolaevsk-on-Amur), 9.76 (Kenga)(Kingisepp), 9.79 (Serpukhov), 11.69 (Khabarovsk), 11860 (Gorky), 12055 (Armavir), 15350 (Vologda), 15455 (Petropavlovsk-Kamchatsky), 15.78 (Petropavlovsk-Kamchatsky), 17.72 (Petropavlovsk-Kamchatsky). F/d cds in 31-74d air, no rp. 60th anniversary (LINK CA)(KUSALIK ONT)(SNYDER NY)(SMITH FL) (NORCROSS HI), forest scene (LINK CA)(HAGEWOOD TN)(DALUM IN)(KELLER CA)(YAJKO PA) (HOWELL CA)(BEAUDOIN CT)(SCHWARTZ PA), cathedral and large building (LINK CA)(MILLER CA), bldg and orthodox church (SMITH FL), street scene w/logo (DALUM IN), views of large bldgs (MELLINGER NJ), no description (LOBDELL MA)

R. Peace and Progress, 11720, date/time/mb orange cd w/Moscow scene in 17d air, no rp (KASPRZYK TX); 11930, same in 38d sfc, no rp (GEORGE TX), same in 36d (MAYER CA); 11960, f/d yellow cd w/pen and ink drawing of Kremlin and logo in 50d sfc (SMITH FL), same in 21d (HOOK FL); 15505, f/d white cd w/logo and 2 red carnations, 51d air (SMITH FL)

Ukrainian SSR: R. Kiev, 7150, 7360, 15100. F/d cds in 35-87d for no rp to 2 IRCs.

"Lesya Ukrainka Square" (MEEHAN CT), "Building of Ukraine Supreme Soviet" (KELLER CA) (SMITH FL), "Palace of Culture" (FRASER MA), "Bogdan Khmelnytsky Square" (LINK CA), "Taras Shevchenko Theater" (SMITH FL), "Slavutich Hotel" (SNEILLMAN PA), "Taras Shevchenko State University" (HOOK FL), "Orthodox Church" monument (JOHNSON FL)

R. Moscow, 6.12 (Lvov), 7.11 (Ivano-Frankovsk), 7130 (Vinnitsa), 7.17 (Starobelsk). F/d cds in 38-74d, no rp. "Rocket" (VOCKEROTH PA), 60th anniversary (BEAUDOIN CT)(LINK CA), forest scene (LINK CA)

Uzbek SSR: R. Tashkent, 9600, f/d cd w/statue and "R. Tashkent QSL" in 33d air, no rp (MELLINGER NJ)(MILLER CA), same in 31d (RAKOW NJ), f/d cd w/drawings of old and new bldgs in 34d (GARFIELD MA)

VATICAN CITY STATE: Vatican R., 5995, f/d cd w/photo of the Pope in 14d air, no rp (RAKOW NJ), f/d cd of large building w/xmtr on top, 16d air, no rp (ANGELONI NY), f/d cd w/pix of antenna and St. Peter's in 18d, no rp (MONTGOMERY NY)

YUGOSLAVIA: R. Beograd, 9620, f/d folder cd of port city of Rijeka in 37d air, no rp (MELLINGER NJ), same in 42d (SMITH FL)(BAUM FL), f/d "Ohrid" cd in 46d air for MS (SKORA ONT), f/d blue folder cd w/pennant in 39d for 1 IRC (MACRIS MO), folder cd w/pix of coast in 40d for 1 IRC (BIRKHAUSER MA), non-veri cd in 443d (BIXBY CA), f/d "Mostar" cd in 197d (DALUM IN), f/d folder cd w/coastal city of Ulcinj, 34d (DALUM IN); 15240, f/d folder cd w/photo of beach in 47d (MAYER CA)

....Experience: what you get while looking for something else....

Africa

BENIN (People's Rep.): La Voix de la Revolution Populaire, 4870, f/d logo cd w/several designs, in 32d air for 2 IRCs, EE/FF rpt (OLIVER NH), same in 57d, EE/FF rpt (SMITH FL)

CAMEROON: R. Caroua, 5010, f/d form ltr in 34d sfc, 2 IRCs (FOWLER ONT), same in 28d air for 2 IRCs, v/s Jim Achanyi-Fontem (TRAUTSCHOLD WI) Ltr says they are now United Rep. of Cameroon, not Federal as per 77 WRTH.

CANARY ISLANDS: RAE, 11880, f/d form ltr annotated "Centro Emisor del Atlantico Tenerife" in 18-47d air, no rp (KARCHESKI MA)(JOHNSON FL)(DALUM IN)(MEEHAN CT)(HOWELL CA)(HOFFMAN PA)

CHAD (Republic): Rdif. Nationale Tchadienne, 4904.5, f/d cd w/logo and three local scenes in 21d air for 1 IRC (HAGEN IL), same in 34d air for 1 IRC (MAYER CA)

EGYPT: R. Cairo, 2475, f/d cd w/print of street scene in 83d air, no rp (HOOK FL), f/d cd w/drawing of small town in 122d sfc, no rp (PRATH FL)

GABON (Republic): Rdif. TV Gabonaise, 4777, date/time map cd in 199d air for MS (JONES VA), same cd in 420d air for 2 IRCs, EE/FF rpt (PETERS KY)

GHANA: GBC, 6130, f/d plain white cd in 214d sfc, no rp (FOWLER ONT)

KENYA: V. of Kenya, 4804, f/d aerogramme ltr w/logo in 23d air for 2 IRCs (OLIVER NH), same in 25d air for 1 IRC (TAGUE OK); 4915, same in 30d for 2 IRCs (KARCHESKI MA) v/s for all ltrs was Rashid Bakuli

LIBERIA: VOA Relay, 7195, f/d cd w/3 scenes--cable car, White House, Statue of Liberty, in 32d (HOOK FL); 7280, same cd in 8d (DALUM IN); 15445, same in 12d (KELLER CA)

MALAGASY (Dem. Rep.): R. Nederland Relay, 11730, f/d "Overwaard" cd in 69d (JONES VA); 11740, f/d DX personalities cd in 18d air (BURKE VA); 15385, same in 20d (BLOM NY), f/d wooden antenna towers cd in 47d (SNELLMAN PA)

MAURITANIA (Islamic Rep.): Rdif. Mauritanie, 4845, date/time coat of arms and map cd in 51d air for 2 IRCs, FF rpt (KARCHESKI MA), same in 52d air for 2 IRCs, FF rpt (JACKSON OR) same in 57d air for 2 IRCs, FF rpt (DALUM IN)

MOROCCO: VOA Relay, 6080, f/d "3 scenes" cd in 5d (MARTIN LA); 7190, same in 8d (HOWELL CA); 7220, same in 9d (SOMERS CA); 7230, same in 5d (MELLINGER NJ); 11760, same, no time (MOODY ITALY); 15195, same in 12d (SMITH FL)

NIGER: Rdif. TV du Niger, 5020, f/d map cd in 37d air for FF rpt, MS (KLONTZ CA)

NIGERIA: V. of Nigeria, 4990, f/d form ltr in 27d air for 2 IRCs (JOHNSON JAPAN); 7275, f/d green/white logo cd in 35d air for 1 IRC (HAGEN IL), same in 44d air, no rp (HENDRICKS IL), same in 57d sfc for 1 IRC (JOHNSON FL), same in 2½ years sfc for 3 IRCs (MARTIN LA)

RHODESIA: RBC, 3396, date/fqy large map cd in 26d air, no rp (HOFFMAN PA), same in 37d air for 2 IRCs (MARTIN LA)

SEYCHELLES: FEBA, 9445, no data map cd in 75d sfc, no rp (HOWELL CA); 9270, same in 35d for 2 IRCs (GARFIELD MA), same in 80d for 1 IRC (BEAUDOIN CT); 11755, same in 24d air for 2 IRCs (MACRIS MO), same in 35d air for MS (HOFFMAN PA); 11800, same in 25d air for 2 IRCs (LINK CA), same in 26d air for 2 IRCs (DALUM IN), same in 82d air for 1 IRC (BAUM FL); 11820, same in 37d air for 3 IRCs (O'BRIEN BC); 11945, same in 13d air for 1 IRC (JOHNSON JAPAN), same in 123d sfc, no rp (MARTIN LA). v/s was Liz Scott; Baum rcvd note say 3 IRCs necessary for air reply; several rcvd note saying no QSLs issued outside of Indian Ocean service area.

SOUTH AFRICA: RSA, 9585, 11900, 15155, 21535. F/d cds in 19-34d, no rp. "Statuesque Stripes" (Zebra herd) (PECENKA IN)(GARFIELD MA)(WORREL ND)(SCHWARTZ PA)(VOCKEROTH PA) (THOMPSON CA)(THOMPSON NM)(FRASER MA), "African Sunset w/giraffes" (HENDRICKS IL)(STICKLE) (JOHNSON FL), Johannesburg city (STICKLE NY), view of Johannesburg from Auckland Park (WATSON CA), air view of Johannesburg w/antenna towers (EHRET PA), Johannesburg--Rissik Street (VOCKEROTH PA) SABC, 4810, f/d industries cd in 27d air for 1 IRC (BAUM FL); 11935, same cd in 20d air for 1 IRC (HAGEN IL)

SWAZILAND: TWR, 4760, f/d antenna/warrior cd in 28d air for 3 IRCs (GEORGE TX); 9730, same cd in 29d air for 2 IRCs (LINK CA); 17745, same cd in 17-29d air for no rp (OLIVER NH) (FOWLER ONT)(AMBRUSTER WI)(SKORA ONT)(JONES VA), same cd in 30-34d air for 1 IRC (STONE ONT)(BEAUDOIN CT)(MELLINGER NJ), same in 28-42d for 2 IRCs (THOMPSON CA)(LOBDELL MA) same in 32d for 2 IRCs (returned) (ETHERINGTON CO)

TANZANIA: R. Tanzania, 15435, date/fqy yellow/fuchsia "Sauti ya Tanzania" cd in 99d sfc for 2 IRCs (FOWLER ONT)

TOGO: Rdif. TV Togolaise, 5047, f/d map and globe cd in 31d air for 1 IRC (HAGEN IL), same cd in 63d sfc for 2 IRCs, EE/FF rpt (FOWLER ONT)

TUNISIA: Rdif. TV Tunisienne, 7275, f/d cd w/picture of two camels and woman in 27d air, no rp (MAYER CA); 15225, f/d cd "Ile de Djerba" in 25d air for 2 IRCs (ETHERINGTON CO)

Asia

CHINA (People's Rep.): R. Peking, 7120, 9460, 9470, 9780, 9860, 9940, 11650, 11680, 15060, 15520. Date/fqy cds in 14-51d. "Red Flag Canal" (GARFIELD MA)(PECENKA IN)(VOCKEROTH PA) (BLOM NY), "Young girl and toy giraffe" (MILLER CA)(MEEHAN CT)(PRATH FL), blue logo cd (FISHER RI), "Red Peony Blooms" (SCHWARTZ PA), "Happiness Canal" (FRASER MA), "Steel Mill" (SMITH FL), native village (SMITH FL), mountain scene (HENDRICKS IL)(GARFIELD MA)(SMITH FL)

CHINA (Republic): VOFCD, 15245, f/d cd "Wei Sheng's Grape Myrtle" in 51d air, no rp (JOHNSON JAPAN); 15345, same cd in 50d air, no rp (MILLER CA); 15425, same cd in 48d air (LINK CA), "flower" cd in 65d (BEAUDOIN CT); 17830, yellow "flower" cd in 38d air for 1 IRC (OLIVER NH)

CYPRUS: CBC, 7230, f/d cd w/montage of Cyprus scenes in 6 wks air for 2 IRCs (LOBDELL MA), same cd in 65d air for 2 IRCs (PETERS KY)

INDIA: AIR-Hyderabad, 4800, f/d cd & ltr from A. Ramalingan, stn engineer in 3 wks air for 1 IRC (returned) (WAKISAKA JAPAN)

AIR-Madras, 6085, f/d ltr from D.P. Ramachandra, Deputy Director in 26d registered air for MS (returned) (KUSALIK ONT)

AIR-New Delhi, 9525, f/d Taj Mahal cd in 408d air for MS (YAJKO PA), f/d cd of native boats around island building in 18 mo air, no rp (BLOM NY); 9912, f/d cd "City Palace, Jaipur" in 367d air, no rp (BLOM NY); 11810, f/d Taj Mahal cd in 357d air, no rp (SMITH), f/d elephant cd in 2 yrs, no rp (VOCKEROTH PA)

INDONESIA: RRI Manado, 3215, f/d blue cd w/EE details in 71d air for MS, II rpt, v/s Adri. K. Tumundoh (KUSALIK ONT)

RRI Sorong, 4875, f/d RRI cd + note in II in 40d Tumundoh air for MS, II/EE rpt, v/s Soedarsono (KUSALIK ONT)

VOI, 11790, f/d multi-language logo cd in 23d air, no rp (BLOM NY), same in 75d sfc for 1 IRC (HAGEN IL), same in 237d air, no rp (ELDER SASK)

IRAN: V. of Iran, 9022, f/d "Rezaied Television" cd in 4 wks, no rp (VOCKEROTH PA)

IRAQ: R. Baghdad, 11905, f/d map cd w/picture of "The Lion of Babylon" in 38d air for 1 IRC (DONLY SC), same in 78d sfc, no rp (MILLER CA)

ISRAEL: IBA, 5900, f/d cd on 19th century drawing of the Western Wall of Jerusalem in 90d air for 1 IRC (STONE ONT), same in 48d air, no rp (JOHNSON FL); 7412, same in 50d sfc for 2 IRCs (KELLER CA), same + pennant in 61d, no rp (JOHNSON FL), same in 63d air for 1 IRC (ESQUIVEL CA), f/d "30th year of Independence" cd in 53d air, no rp (JOHNSON FL); 9815, Western Wall cd in 50d air, no rp (SKORA ONT), same in 56d air, no rp (JACKSON OR), same in 73d air, no rp (SNELLMAN PA)

JAPAN: FEN, 6155, date/time paper QSL w/DOD logo in 11d for SASE (GEORGE TX)

JJY (time and fgy), 15000, f/d green cd w/two oriental figures in 122d sfc, no rp (LEON PA)

NHK, 5990, 11705, 15105, 15270, 17725. Date/fgy cds in 8-36d air, no rp. "Straw Horse" toy (VOCKEROTH PA)(LOBDELL MA)(BLOM NY), "Fireworks at Lake Ashinoko" (JOHNSON FL), "Mt. Fuji" (MILLER CA), "A pair of Tachibana Dolls" (VOCKEROTH PA)(MILLER CA)(HENDRICKS IL) (GARFIELD MA)(THOMPSON NM)(CLEVELAND CA)(PRATH FL)

JORDAN: HKBS, 9560, f/d cd "View of Mt. Temptation-Jericho" in 24d air, no rp (O'BRIEN BC)

KOREA (Democratic People's Rep.): R. Pyongyang, 9977, f/d cd of Revolutionary Opera in 170d sfc + pennant, books, pc, no rp (KENNEDY FL); 11535, f/d cd "Song of Mt. Kungang San" in 75d air + pennant, book, for no rp (SHREEDHAR INDIA)

KOREA (Republic): R. Korea, 9650, f/d national flag cd in 22d air for 2 IRCs (FISHER RI); 11860, same cd + pennant in 30d air for 1 IRC (GARFIELD MA)

KUWAIT: R. Kuwait, 12085, f/d cd w/drawing of buildings in 49d air for 1 IRC (FRASER MA), f/d folder cd w/desert castle in 73d air, no rp (MARTIN LA); 15345, f/d folder cd w/boat, building and sun in 73d air for 2 IRCs (TILBURY AK)

LAOS: Lao National Radio, 4602, EE confirmation ltr in 2 mo air for 1 IRC, v/s Chaleun VONGSAM-ANG, Director-General (WAKISAKA JAPAN)

MALAYSIA: R. Malaysia, 9665, f/d folder cd w/map of Malaysia in 87d air for 1 IRC (MAYER CA)

MONGOLIA: R. Ulan Bator, 12070, f/d blue cd w/gold logo + pennant, Mongolian?EE pamphlets in 35d air for 2 IRCs (JOHNSON JAPAN), f/d logo cd w/circles, abstract design + pennant in 87d air, no rp (DEIN CA) (As stated in the intro, these cards are not alike and both differ from cds previously printed. Sorry I do not have room to print them. bc)

PAKISTAN: R. Pakistan, 17830, fgy only cd w/photo of main gate in Lahore, in 44d air for 1 IRC (MAYER CA)

PHILIPPINES: R. Veritas, 9590, 11725, 11955, 15280. F/d cds in 15-44d for no rp to 2 IRCs. "Attractions of Nayong Pilipino (native house)" (MILLER CA)(JOHNSON JAPAN), "Jeepneys" (LOBDELL MA), "Mines View Park" (BLOM NY), "Sunset at the Bay" (HOFFMAN PA), "The Eighth Wonder of the World" (MILLER CA), "Lilies on a Pond" (MILLER CA). v/s for all cds was Larissa V. Paner

VOA Relay, 9515, f/d 3 scenes cd in 44d (SMITH FL)

SAUDI ARABIA: BSKSA, 11855, f/d cd w/crossed swords and palm tree + logo in 90d registered mail for 1 IRC (BEAUDOIN CT), same in 135d registered air, no rp (DALUM IN) v/s A.M. Bahtin for A.M. Swallein, f/d plain cd in 86d registered mail for 2 IRCs (MELLINGER NJ), same in 5 mo registered air for 2 IRCs (SCHWEIKART VA)

SINGAPORE: R. Singapore, 6155, f/d cd "Singapore by Night" in 19d air for 1 IRC (returned) (HOFFMAN PA)

SRI LANKA: SLBC, 9220, 11955, 15120, 15425. F/d cd of YL in native jewelry in 47d air for 2 IRCs (LINK CA), same in 93d air for 1 IRC (KLONTZ CA), same in 99d air, no rp (DALUM IN), same in 50d (DALUM IN), same in 135d for 2 IRCs (TILBURY AK)

VOA Relay, 11745, f/d 3 scenes cd in 71d (AMBRUSTER WI); 15185, same cd in 3d, v/s Gayle Kucera (MARTIN LA)

....Experience: what causes a person to make new mistakes instead of the same old ones..

THAILAND: R. Thailand, 9655, f/d EE/Thai cd w/picture of flower in 39d sfc for 1 IRC (HOWELL CA)

TURKEY: V. of Turkey, 7175, f/d cd "Ideal Matbaasi" in 27d air, no rp (SMITH FL); 9515, same cd + pennant in 37d, no rp (JOHNSON FL), same in 22d, no rp (RAKOW NJ), same in 34d + pennant (HAGEWOOD TN), f/d cd w/aerial view of Ankara's temples in 40d air + pennant, no rp (PEGENKA IN), f/d cd of Turkish flag and picture of city + pennant in 18d, no rp (SNELLMAN PA)

YEMEN ARAB REPUBLIC: R. Sana'a, 7235, f/d form ltr in 8 mo air for 2 IRCs (WAKISAKA JAPAN)

Oceania

AUSTRALIA: ABC Brisbane, 4920, f/d map cd in 36d air, 2 IRCs (LINK CA)

R. Australia, 5995, 9515, 9570, 9580, 9640, 9670, 11720, 11740, 11900, 15240, 15320, 15410, 17795, 21455. F/d cds in 68-201d sfc for no rp, 17-120d air for 1 IRC. "Common Fringe Lily" (JACKSON OR)(BRODSKY NY)(MARABLE ITALY)(JOHNSON FL)(SMITH FL)(MILLER CA), "Pink Rose Cone" (GARFIELD MA)(MARABLE ITALY)(YAJKO PA)(THOMPSON NM)(CHITUCK MD)(WATSON CA) "White Flowering Mallee Gum" (HILL VA)(VOCKEROTH PA)(YAJKO PA)(MOODY ITALY)(THOMPSON NM) (SMITH FL)(MILLER CA)(JACKSON OR)(SABADIA TX), "Lorikeets" (SMITH FL)(THOMPSON NM) (CHITUCK MD)(BRODSKY NY), "Scarlet-Crested Parakeet" (VOCKEROTH PA)(FRASER MA)(SMITH FL) (BRODSKY NY)

COOK ISLANDS: R. Cook Islands, 9695, f/d cd of islander blowing conch shell in 91d air for 3 IRCs (MARTIN IA)

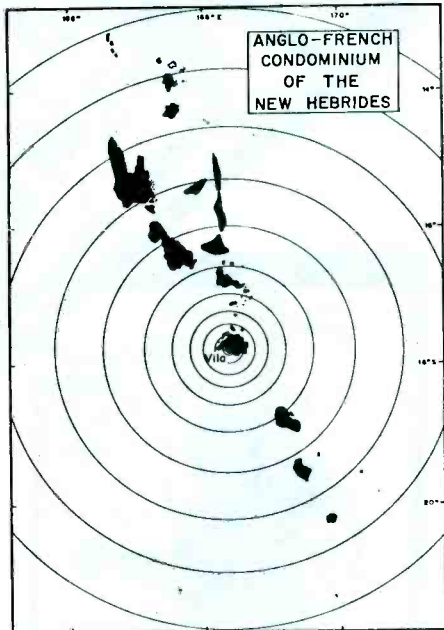
GUAM: KTWR, 15175, f/d cd w/green "KTWR" and logo in 16d sfc for MS (SOMERS CA), same in 57d sfc for MS (KARCHESKI MA), same in 91d sfc for MS, f/d cd w/palm tree and Bible verse in 61d air for 1 IRC (PETERS KY)

NEW HEBRIDES: R. Vila, 3945, date/fqy map cd for EE rpt and tape in 21d air for 3 IRCs (HARDESTER OKINAWA) see below.

NEW ZEALAND: R. New Zealand, 11820, f/d cd of lake w/snowcapped mountains in background in 30d air for 2 IRCs (SABADIA TX), f/d cd of mountainside pasture in 12d air for 3 IRCs (JOHNSON JAPAN); 15380, f/d cd w/picture of Wellington and harbor in 26d air for 2 IRCs (FISHER RI)

PAPUA NEW GUINEA: R. East New Britain, 3385, f/d map cd in 6 months for 1 IRC (BEAUDOIN CT) NBC Port Moresby, 4890, f/d yellow/white map cd in 19d for 1 IRC (TACOMA CA), same in 18d for 1 IRC (OLIVIER NH), same in 28d for 1 IRC (KASPRZYK TX), same in 72d for 2 IRCs (ELDER SASK), same in 26d for no rp (PRATH FL) same + pennant in 19d for 1 IRC (O'BRIEN BC), same in 40d + pennant for 2 IRCs (NORCROSS HI) same + pennant in 19d for 1 IRC (BRODSKY NY) same + pennant in 25d for 1 IRC (MEEHAN CT)

TAHITI: R. Tahiti (FR3), 11825, f/d logo cd w/island girl drawing in 91d air for 1 IRC (HAGEN IL); 15170, same cd in 36d air for 1 IRC and tri-lingual rpt form (MAYER CA)



.....A great many prominent family trees were started by grafting.....

South America

BOLIVIA: R. Nueva America, 4792, no data veri ltr w/description of La Paz area in 95d air for MS and SS rpt, v/s Raul Salmon (TAGUE OK)

BRAZIL: R. Ribeirão Preto, 3205, date only veri statement + 4 scenes cd in 34d air for 1 IRC, PP rpt (HOFFMAN PA)

CHILE: R. Universidad de Concepción, 6135, f/d ltr + cd w/stn info and pennant in 94d air for SS rpt and MS (used), v/s Carlos Godoy Rocca, Dir. (KUSALIK ONT), veri statement ltr + cd and pennant in 22d air for EE rpt and no rp (HOFFMAN PA)

COLOMBIA: R. Bucaramanga, 4845, date only white cd w/blue design in 16d air for MS (ETHERINGTON CO)

Emisora Meridiano 70, 4925, no data ltr in 48d sfc + pennant for MS and SS rpt (TAGUE OK) R. Colosal, 4945, f/d SS form ltr + blue/white pennant and personal ltr on La Voz del Huila stationary requesting two tapes "Putting it Straight" by Pat Travers and "Front Page News" by Wishbone Ash. By air in 20d for SS rpt and tape w/MS; v/s Luis Fernando Navarro (LOBDELL MA) (Pretty expensive pennant isn't it, Chris? bc) Ondas del Ortegaza, 4975, no data lengthy ltr about Florencia and how wonderful the hobby is, in 51d air for SS rpt and MS. Also rcvd pennant. (TILBURY AK) R. Nacional, 11795, date only air photo cd of Santa Marta Colombia Paseo Bastides in

penant parade

QUITO - ECUADOR
 4910 KCS
 105.3 Mc. FM.
 20,000 WATS. DE POTENCIA
 LA VOZ DEPORTIVA DE LA CAPITAL
Gran Colombia
 LA PRINCIPAL EMISORA DEL PAIS
 615 KCS.

the voice of
every key

La Emisora
Hit Musical
 CON 7110
 TRENENDO
 ANGEL!

Radio Progreso
 LA VOZ DE UN PUEBLO EN MARCHA
 EL PROGRESO HONDURAS

COLOMBIA (continued): in 71d air for 1 IRC, EE/SS rpt (MILLER CA); 15335, date only cd w/fqys on back in 54d sfc for MS and SS rpt (GEORGE TX)
ECUADOR: HD210A (Navy time signal station), 3810, date only EE ltr w/veri statement in 30d air for MS and SS rpt (HOFFMAN PA)
LV de los Galapagos, 4810, cd w/animals of the Galapagos in 69d sfc for 2 IRCs, v/s Padre Raul Pinto (SKORA ONT)
R. Federación, 4960, fqy only veri ltr in 36d air for SS rpt and MS, v/s Albino Utitia J., (HOFFMAN PA)
HCJB, 6095, 9560, 11745, 11915, 15115, 15300. F/d cds in 30-56d for no rp, 30-62d for MS. "Bread dough llama" (STICKLE NY)(HOUCK SC)(SMITH FL)(MAISE LA), "Bread dough owl" (STICKLE NY)(THOMPSON NM), "Bread dough Indian couple" (STICKLE NY), "Bread dough clown" (STICKLE NY), 10-channel Neve control board (STICKLE NY)(O'BRIEN BC), "Ecuadorian Coast" (SNYDER NY)(YAJKO PA)(SCHWARTZ PA)(STICKLE NY)(THOMPSON NM), Inca designs (VOCKEROTH PA), 1965 Album Series #5 and #7 (VOCKEROTH PA), 1966 Ecuadorian Echoes #B and #G (VOCKEROTH), Control Room (RAKOW NJ), playful clown (HOOK FL)
PERU: R. Andina, 4996, date/fqy form ltr in 67d air + pennant for MS, SS rpt (TILBURY AK)
R. del Pacifico, 9675, f/d cd "Ruins of Machu Picchu, lost city of the Incas" in 28d air for MS and SS rpt (HOFFMAN PA)
URUGUAY: R. El Espectador, 11835, f/d white "Difusoras del Uruguay" logo cd in 3 mo air for SS rpt and 1 IRC (WAKISAKA JAPAN)
VENEZUELA: R. Universidad, 3395, no data color cd of telecom. terminal in Merida, 6 wks air for SS rpt w/tape and MS (LOBDELL MA)
R. Lara, 4800, date/fqy network cd in 49d sfc for MS, SS rpt (TAGUE OK)
R. Universo, 4880, date/fqy green globe cd in 42d air for MS, SS rpt (SKORA ONT), same in 55d for no rp, SS rpt (BEAUDOIN CT)
R. Juventud, 4900, f/d dancing teenagers cd in 38d for 1 IRC (SCHWEIKART VA)
R. Yaracuy, 4940, date/fqy network cd in 63d sfc for MS and SS rpt (TAGUE OK)
R. Rumbos, 4970, f/d "Legislative Palace" pc in EE for 2 IRCs, in 11d sfc (TRAUTSCHOLD); 9660, date/time cd "Iglesia Santa Teresa" in 225d sfc for 1 IRC, (SKORA ONT)
R. Nacional, 15400, f/d cd w/blue/gold parrot in 6 mo for 2 IRCs (FISHER RI)

North America

ANTIGUA: Deutsche Welle Relay, 6085, date only cd w/painting of King Ludwig II of Bavaria in 52d air (THOMPSON NM)
CANADA: CBC Northern Service, 9625, no data "Horizon Suns" cd in 21d (JOHNSON FL)
CHU (time and fqy), 7335, fqy only "Sir Sanford Fleming" cd in 18d (SCHWARTZ PA), same in 34d (ANGELONI NY)
RCI, 6185, logo cd in 35d air for 1 IRC, SS rpt (ESQUIVEL CA)
CUBA: R. Havana, 9525, f/d red/black checker cd in 91d air, 1 IRC (TILBURY AK); 9685, same in 45d for 1 IRC (FISHER RI), same in 70d for 2 IRCs (MAISE LA); 11760, same in 82d for 2 IRCs (BAUM FL)
DOMINICAN REPUBLIC: R. Mil, 4930, date only SS form ltr in 21d air for 1 IRC, SS rpt (BAUM FL), same in 6 wks for SS rpt and MS (LOBDELL MA), same in 28d for EE/SS rpt and MS (OLIVER NH)
R. Clarin, 11700, extra large f/d globe cd w/stn data in 142d air for 2 IRCs (LINK CA)
GREENLAND: Grønlands R., 5980, date/fqy UHF repeater station folder cd in 32d air for 1 IRC (HOFFMAN PA)
GRENADA: R. Grenada, 15105, f/d tan cd in 30d sfc for 2 IRCs (SKORA ONT)
GUATEMALA: R. Cultural, 3300, f/d "Quetzal Bird" cd in 21d air, no rp (HOOK FL), same in 102d air for 1 IRC (MARTIN IA)
HONDURAS: LV Evangelica, 4820, f/d map cd in 17-271d for no rp (KASPRZYK TX)(MARTIN LA) (HOOK FL)(SMITH), same cd in 32-340d for 1 IRC (FOWLER ONT)(HOFFMAN PA)(GRENIER CA) (HAGEN IL)(KLEMEINS NJ)(KARCHESKI MA), same cd in 31-202d for 2 IRCs (DALUM IN) And it didn't seem to make any difference whether the report was in EE or SS. bc
MEXICO: R. Huayacocotla, 2390, f/d cd in SS for SS rpt, 2 IRCs, in 19d air, v/s Jorge V. Villalobos G. (TRAUTSCHOLD WI), date/fqy/power green/white cd in 38d registered air for MS and SS rpt (KUSALIK ONT)
R. Universidad de Sonora, 6115, fqy only logo cd in 41d air, EE/SS rpt, no rp (MILLER CA)
R. Mexico, 15385, time/fqy ltr in 76d air for 1 IRC, SS rpt (ESQUIVEL CA)
NETHERLANDS ANTILLES: R. Nederland Relay, 6165, f/d cd "DX Jukebox Producers" in 19d air (ANGELONI NY), same in 21d (VOCKEROTH PA); 9590, no description, 95d, 1 IRC (CHITUCK MD) TWR, 11925, f/d cd of TWR building in 20d for 2 IRCs (MAISE LA), same, no time, 1 IRC (JOHNSON FL); 15255, same in 60d for 1 IRC (PECENKA IN)
UNITED STATES: AFRTS, no fqy, f/d blue/white cd w/Armed Forces emblems in 151d for MS (CHITUCK MD)
United Nations R., 15270, usual blue/white cd, f/d, site noted as Delano, in 4 months (LOBDELL MA)
+ a lot of stuff from VOA, WWV, WWVH, and WYFR from (WORREL ND)(GARMS AZ)(BAUM FL) (CHITUCK MD)(SCHWARTZ PA)(DEL RIO CA)(STICKLE NY)(REILEY MD)(VOCKEROTH PA)(FRASER MA) and some VOA and Deutsche Welle Relays w/unknown sites. Sorry, out of space. Sign last month was Turkish, courtesy of Fereydoon Javadzadeh and said "Please step to the rear of the bus". No space for a new one this month. C U in 30. 73's, *Bill* 4/16/78

Tips and Topics

The Feature Section of SPEEDX

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

VCA RELAY BASES UPDATER

by Adrian W. Petersen

Since the publication last year of the "Voice of America Relay Bases," many additional items of interest have become available. In some cases, informative letters have been received, and in other cases, further information has come to light from research sources not available earlier. Following is a summary of interesting and important information, intended to be read as additional information to that which has already been published.

ADDITIONAL VCA RELAY BASES

Bolinas, California

During the years 1942-44, several utility stations were used to relay OWI-VCA programs, sometimes for point to point re-transmissions, and sometimes as beamed radiation for general listener reception. The RCA Communication station located at Bolinas in California was used for these two purposes, and operated under the following callsigns:

KEE	KEQ	KES	KRH
KEI	KER	KES2	KRQ
KEJ	KEZ	KES3	KRR
KEK			KRS

Dixon, California

Broadcasting from the familiar VCA complex at Dixon commenced at the end of 1944. However in 1942, a utility station located at Dixon was used to relay OWI-VCA broadcasts, point-to-point and general relay. Callsigns for this station were:

KWU	KWV	KWY
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San Francisco, California

A utility station, the specific location of which is not known, was used from 1943-1945 to carry VCA programs. Callsigns were:

KMI	KMI2
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Scituate, Mass.

This VCA relay base has been known as W1XAL, WSLA, WRUL, WNYW, and WYFR.

In 1939, the famous WDKA SW outlet with the callsign WBIT was removed from Pittsburgh to Scituate and consolidated with WRUL.

In 1940, the SW station in Florida, WDJH was purchased by WRUL and the equipment was transferred to Scituate. (It is interesting to note that WYFR, the modern counterpart of WRUL is currently returning to Florida.)

In 1945, WBCS owned by the World Radio University was consolidated into WRUL.

The fire which destroyed the original VCA transmitters at WNYW took place on April 9, 1947. At the time, WNYW planned to relocate at Chatham NJ, but this move never eventuated.

Hicksville, New York

This utility outlet was operated by Press Wireless and was used for broadcasting OWI-VOA programs to various target areas, as well as for relaying programs point-to-point for retransmission. Callsigns during 1942 to 1944 were at first all utility calls, but afterwards several outlets were designated with regular broadcast callsigns. Calls used:

WBG4	WCB	WEC	WGL	WHL5
WBM4	WCR		WGL	
	WCW			
WJQ	WKY	WOA	WKCS	
WJT		WOA4	WKLJ	
		WCK	WKTM	
		WOO	WKTS	
		WOO4	WKRD	
			WRRX	

Ocean Gate, New Jersey

In 1943, the utility station located at Ocean Gate, NJ was used for VOA point-to-point and broadcast transmissions. Callsigns used were:

WDJ	WDL	WDC
-----	-----	-----

Mason, Ohio

The original WLWO relay base on SW was discontinued from regular VOA usage in 1944. However, the SW transmitter was again made operative in 1949, and began test broadcasts on 6080 kHz under the original callsign W8XAL.

The Wandering VOA Transmitters

The original 100 kw transmitter used by WGEA at Schenactady was transferred in 1942 to San Francisco where it became KWID. This station had studios in the Mark Hopkins Hotel and the transmitter was located at the MW transmitter site of KFSC.

The 50 Kw transmitter KWIX which was discontinued from VOA programming in the early 1950's was purchased by FEBC in 1959 and was transferred to their developing radio base near Manila in the Philippines.

Yuma, Arizona

Experimental VOA transmissions were conducted from Yuma Arizona in 1963. The frequency used was 15350 kHz and the station signed off daily at 2030 GMT with the announcement that these were experimental broadcasts.

Dallas, Texas

Several VOA transmitters were tested on the air by continental electronics at this location under various callsigns before installation at the intended relay base.

Panama

The VOA ship, USS "Courier" made a series of broadcasts while anchored in Panamanian waters under the callsign KU2XAJ. These test broadcasts were carried out in mid-1952, before sailing to the island of Rhodes. The "Courier" was not permitted to broadcast from the high seas, and consequently, when it broadcast from an anchorage in the Panama Canal Zone, this constituted another VOA country.

BBC Relay Bases, Great Britain

ABSIE, the American Broadcasting Station in Europe was a relay of OWI-VOA-AFRS transmissions from BBC facilities in England. ABSIE made its first broadcast from BBC facilities on April 30, 1944. This operation was transferred to Munich on December 15, 1945. However, VOA programming continued also from BBC facilities in England. It is probably safe to

suggest that VOA relays have been heard at times from Skelton, Hampisham, and Daventry, as well as from Wooferton.

Hawaii

A utility station on one of the Hawaiian islands was used in 1942 and 1943 to carry OWI-VOA programs. The callsign of the utility station is not known, but one of the regular programs from the station originated in the studios of KGMB. Channel was 16.7 m.

Guam

The utility station KU5Q was used in early 1946 for VOA broadcasts to Asia. It was heard at a good level in Australia and New Zealand.

Philippines

A MW and SW station with the callsign WVLC was located in 1945 on the island of Seyte in the Philippines. This was used for VOA broadcasts until Malolos was opened in 1948. The callsign was derived from VLC Shepparton, which was a part time VOA relay in 1944 and early 1945.

China

Several MW stations in China were used as VOA relay stations in 1949. Known callsigns are XLDA, XTPA, XFRA and XLRA. Programming was in Chinese.

South Korea

A similar situation prevailed in South Korea in 1973 when there were about four of these low powered VOA relay stations operating without callsigns on MW.

Hue, Vietnam

According to a BBC news item at the time of the surrender of South Vietnam, the VOA MW relay station at Hue was flown out. According to reports from Hanoi in 1977, this station was reactivated by Vietnamese technicians and is now on the air again from Hye, as a relay from Hanoi.

The current Deputy Director of VOA states that VOA Hue was owned by the Department of Defense, but carried VOA programming. He states that probably the station was abandoned by the American forces.

The current Director of AFRTS, under the Department of Defense in Washington DC states that all of the 50 watt AFRTS transmitters in Vietnam except one in Saigon were evacuated before the fall of South Vietnam. However, he has no information regarding what happened to VOA Hue.

Shepparton, Australia

VOA relays were carried daily by VLC Shepparton which was a VOA landlease transmitter made available to Australia. In return, regular VOA programs were broadcast by VLC for at least 1½ hours daily. Broadcasting of VOA programs from VLC commenced on May 1, 1944, and were discontinued when WVLC, on board a ship in the Pacific, took the scheduling. The callsign WVLC was derived from VLC.

The fact that VLC was a part time VOA relay for a year makes Australia another VOA country.

Ships At Sea

At the end of 1945 and early 1946, several ships of the American fleet in the Pacific broadcast VOA programs for a brief period of time. The first WVLC in 1945 was actually a ship transmitter on board a US naval vessel.

In 1946, such ship stations as NCLG on the US McKinley and NICO and NIGF were used by VOA to cover the atomic tests at Bikini. These stations issued QSLs to several DXers, for the VOA broadcasts, but it is quite probable that these would be classified nowadays as a utility operation.

VCA Stamp

The familiar VCA stamp to commemorate 25 years of broadcasting was issued on August 1, 1967.

With the additional information that has become available, it is now clear that VCA throughout its 30 years of broadcasting has used some 75 relay bases, large and small, operating on MW, LW, and SW.

|||||
AN OPINION. . .by Diane S. Levesque. . .I would like to extend further the topic Lawrence Cotariu brought up about the future of SWling. His article indicates, and rightly so, there are far more SWL's than belong to DX clubs, and it's definitely wrong to assume hobbyists are the majority because they write to stations often enough to influence programming, scheduling, or a station's decision to stay on or off the air.

The least understood of this group are the women, as evidenced by some unbelievably unreal speculation about them aired by Radio Israel's "Letterbox" recently.

I think it's high time the hobbyist realize that, though most vocal, they are indeed a minority special-interest group among all the high school students, immigrants, Spanish Americans and just plain everyday folks who do listen to SW on a regular basis whether or not they can afford all that postage and special hardware, not to mention dues and subscription rates.

I for one am not jumping on the bandwagon to protest Radio Australia's dropping of their DX program - there are only a few good, up-to-date DX programs in the collection of DX programs we've got already, anyway - dropping special-interest group programming is their prerogative, and the DX world should be kind enough to move over and give the rest of the world some elbow-room. C'mon, you guys!

|||||
NCISES FROM THE USSR. . .by Joe Howell. . .Why are signals being beamed at us from the USSR? Nobody seems to know - but this mysterious signal has been zapping frequencies from 3-30 MHz. It has even been destroying huge segments of shortwave bands.

What does it sound like? According to the United Press International, it is a "mysterious radio noise that sounds like machine-gun fire." But only recently have the FCC and other communications officials been aware of it. But DXers have been aware of that maddening interference for quite some time - at least since spring of '75.

The noise consists of pulses, heard about ten times each second. It is a very wide band signal that sweeps about 500 and 1000 kHz segments. It is often spotted around the MUF. Has there been complaints to the Soviets? Yes there has. In August of 1976, the FCC filed its first complaint with the Ministry of Telecommunications in Moscow. In another three months the FCC sent three more complaints. The Soviets replied to none of them.

What are some theories about what these transmissions might be? On a CBC program it was suggested that the Soviet Union intends to jam NATO military communications during naval maneuvers off the coast of Scandinavia. Another possibility has been suggested by Dr. Milton Zaret who, since 1959 has been experimenting with microwave radiation's effect on the human body. He has reported that this type of radiation could be impressed on the r-f range. And listening to this could possibly have an effect on the central nervous system. So, whatever the Soviet intent, this cannot be discounted. But maybe we will never find out its purpose. Only time will tell.

|||||
RADIO STATION VNG, AUSTRALIA. . .by Benton Cwsley. . .This radio station began in 1929, when in a small shed in Lyndhurst, experimental shortwave radio transmissions were conducted to test the suitability of this type of broadcasting to serve people in the "boondocks" of Australia, who were out of reach of normal mediumwave signals.

As broadcast signals were also needed for surveying activities and geophysical observations, the VNG services were inaugurated by the Australian Post Office on the 21st of October, 1964. VNG provides adequate services and no plans have been made to extend or alter its programming. Since July, 1975, the Australian Post Office has been split into two commissions, with the newer counter-part, the Australian Telecommunications Commission, assuming responsibility for the operation of VNG.

=====

QSLING - A FEW TIPS. . .by William Arnold. . .When I started the SWling hobby, I was not aware of QSLs or reception reports until I heard Radio Nederland in the summer of '75. I listened for a while and was fascinated at the feat I had performed. (I thought I was doing good at that time but now that I know Radio Nederland is one of the most strongest stations on the shortwave bands I really don't feel so hot.) I listened further to the program until sign-off when the announcer said, "If you want to send us a reception report, address your letters to Radio Nederland, P.O. Box 222, Hilversum, Holland." I sent my report in October of '75 without the proper details or IRC's. I thought I would get a slow reply but five months was rediculus. And after all that time, I did not even get a verification or QSL. But later as I gained more experience I soon verified Japan, Ecuador, and Canada in 1976. Now I have verified 17 countries and I am expecting more. Ok, here are some tips to remember.

1. While listening to the station you want to verify, write down in your logbook every small detail, such as song title, announcement or interview. Also listen very carefully to the frequency in which the station is broadcasting. (Some do not accept approximations.) All times should be in GMT.
2. When you send in your report also include the date, time in GMT, frequency in kHz or MHz and some program details.
3. Listen to the conditions of propagation, such as fading, interference, signal strength, etc. There is a code that is used for this purpose called the SINPO rating. "S" stands for signal strength, "I" stands for interference, "N" stands for noise conditions, "F" stands for fading, and "O" stands for overall rating. The rating scale is from 1 to 5. 1 being the poorest rating and 5 being the best rating. There is more to the SINPO code. It takes a while to rate the stations accordingly.
4. You might also add the make and model of your receiver, the length and type of your antenna, and your location. By this I mean where you live. For example, an apartment, a skyscraper, a house, etc. Also, you should put what area of the world you live in.

You could put a note of thanks at the end of your letter or report. If you want, you can request a program schedule or pennant in addition to your QSL card. Before you seal the envelop you should include several IRC's which currently cost 42¢ a piece so the station you are writing to can give you a prompt reply. Now you are ready for your QSL card to arrive in the mail. It may be out there right now.

=====

THE PROMOTION OF SWLING

by Lawrence I. Cotariu

In a previous issue of this bulletin there appeared an article "Spreading the News." It dealt with small ways that an individual involved in our hobby could teach and inform others of shortwave listening. As the former Public Relations Director of the Handicapped Aid Program and several ham radio organizations, I would like to make my own comments on this topic.

Individuals can promote the hobby but unless one knows how to approach the news media and broadcasters that have talk shows, one may become frustrated and shy away.

Most companies that manufacture shortwave radios have their own public relations people (also called sales promoters) or they have outside P.R.

agencies. Wouldn't it be to their interest, as well as to the hobby as a whole in the US to jump on the publicity bandwagon?

At the least, a company can have their dealers train one or more sales-people in the SWL world. Displays can be brought in with pennants or other items that stations regularly give out to listeners. Program schedules can be passed out. No more would Radio Shack, Zenith, etc., be selling just a radio but the whole hobby.

These manufacturers could hire a person who could become a spokesman for them. They would be able to get this person on many talk shows to speak on SWling. (CB operators who use a certain radio can verify to how C.W. McCall was hired by this company to do exactly that).

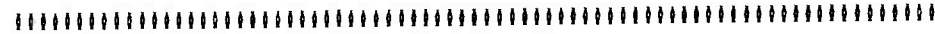
The writer of "Spreading the News" for SREEDX touched on how he co-hosted a radio program over his college's FM station and suggested others could do the same. This may be easy to do on campus stations but not over larger AM and FM stations. The larger the audience of a broadcaster the more diverse is their listenership. This also means that more people and organizations are thinking the same thing and are trying to talk the station manager into giving them time to promote their interest to the community.

I was fortunate enough to get the Director of HAP-US interviewed over a large AM news station in Chicago last May. The purpose was not only to promote the story of HAP but also to make all listeners (100,00 claimed listenership) aware that the whole world can be heard over a radio. I considered it luck that I heard the show's host mentioning about hobbies for the disabled. This was my chance! I wrote him concerning HAP and SWling. To my surprise (not really) his producer phoned me saying they wanted to interview our Director via tape recording over the telephone. This was done and it aired one morning last May.

If you notice I said that I made my contact with the station only after I heard that they were interested in the handicapped. The key is not just to write a rambling letter to every station saying that you want to get on their program, etc. The better way is to "slant" this hobby to something else. I suggest slanting it to the world situation, i.e., the Middle East. I listen to Israel Radio daily and get the news from them direct.

I bet that if you wrote a letter to a local newspaper and use the slant method you can wind up with a reporter and a photographer at your front door.

Just keep in mind that the news media cannot publicize everything that is going on and that each day you and many special interest groups as well as just plain news stories compete for limited space (in the case of AM or FM outlets, station time).



HIER IST DIE DEUTSCHE WELLE

by Larry Talbot

The Deutsche Welle is the shortwave broadcasting service of the Federal Republic of Germany for abroad. It broadcasts a varied program daily in 34 languages. Deutsche Welle had its beginnings in March of 1953 when it was stipulated that, under the name "Deutsche Welle," a program should be broadcast via shortwave to abroad in order to give listeners there a comprehensive picture of the political, cultural and economic life in the Federal Republic of Germany as well as the German approaches to important problems. The opening broadcast took place on May 3, 1953. Deutsche Welle became a public corporation in November 1960.

Shortwave broadcasting from Germany had its beginnings long before the formation of Deutsche Welle. The first German shortwave radio contact with Argentina took place in 1924 using a 0.8 kw transmitter in the 4MHz range.

The following is a chronological history of shortwave broadcasting in Germany.

- 1926 Start of regular commercial shortwave broadcasting from the Hauen radio station to the United States, South America and Dutch East Indies. Start of test broadcasts by German Reichspost using 0.15 kw transmitter at Konigs Wusterhausen.
- 1927 Second test transmitter of 5 KW commences at Doberitz.
- 1929 8 KW station begins operation in August.
- 1932 Directional antennas used for first time beamed to North America.
- 1934 Commencement of transmissions to Central and South America, Africa and East Asia.
- 1935 A third transmitter installed at Zeesen.
- 1936 Eight "Olympia" transmitters of 50 KW each and a second antenna system at Zeesen near Konigs Wusterhausen.
- 1937 There are now a total of 263 shortwave transmitters in the world.
- 1939 The 5 and 8 KW transmitters are replaced by two 50 KW transmitters.
- 1943 At Zeesen, Gebisfelde, Munich-Ismaning, and Elmshorn a total of 22 transmitters ranging from 50 to 120 KW are made operational.
- 1945 After the end of World War II all shortwave broadcasting in Germany is suspended.
- 1946 Low power shortwave transmitters used by "Lander" organization.
- 1947 The North-West German Radio begins broadcasting on 49m from Elmshorn.
- 1952 Norden/Osterloog station begins with 20 KW using reversible directional antennas to North America, Middle East, East Asia and Africa.
- 1953 ARD* founds the Deutsche Welle under sponsorship of North-West German Radio. Start of regular programming in German. 20 KW transmitter.
- 1954 First DX program.
- 1956 First 100 KW transmitter begins at Julich. 2nd 100 KW follows.
- 1957 One of the 20 KW transmitters from Osterloog installed at Julich.
- 1959 Two more 100 KW transmitters begin at Julich.
- 1960 Fifth 100 KW transmitter begins. Deutsche Welle is founded as a public corporation.
- 1961 Julich station passes into the hands of German Federal Postal Authority.
- 1962 Deutsche Welle moves from premises of West German Radio. Sixth 100 KW transmitter placed on stand-by.
- 1963 Seventh 100 KW transmitter operational. 20 KW transmitter retires. Test transmission of 0.5 KW begins from Kigali, Rwanda relay station.
- 1964 Measuring and monitoring station at Bockhacken becomes operational. Eighth 100 KW transmitter ready at Julich.
- 1965 Kigali goes on the air with 250 KW.
- 1967 Four additional reversible antenna arrays set up at Julich.
- 1968 Two more 100 KW transmitters at Julich brings the total to ten.
- 1969 The second 250 KW transmitter begins at Kigali.
- 1970 Two transmitters with outputs of 250 KW begin relay from Sines, Portugal.
- 1971 August 1st two German language programs are broadcast on two frequencies from Sackville, Canada as a relay to North America.
- 1972 500 KW transmitter begins at Wertachtal. 3 more follow shortly.
- 1974 Further 500 KW transmitters ready at Wertachtal. Ultimately a total of 74 antennas are planned there. Three 250 KW transmitters begin operations at Malta relay station.
- 1975 Nine 500 KW transmitters now available at Wertachtal.
- 1975/Relay project for Central America has been completed. It is divided into two stations. A large one in Antigua with four 250 KW transmitters and a smaller one in Montserrat with two shortwave transmitters of 50 kw and 15 kw respectively. Facilities are shared with the BBC.

Description of Deutsche Welle relay Stations.

RIGALI. The receiving station of Gasofi near Kigali, the capital of Rwanda in Africa, is situated about 10 km to the north of the transmitter building. This location was selected because the Rubungu mountains provide an effective screening of the receiving station against the radiations of the transmitting station which is situated on the plateau of Mount Kinjinya. No personnel is required for the receiving station as the receivers are remote controlled from the studio in the transmitter building by way of a control cable. Receiving equipment includes a double rhombic antenna and several receivers equipped with single sideband attachments and telegraphy demodulators as there is also a radio teletype link with the broadcast house in Cologne.

SINES. The receiving station at Sesimbra Portugal is located 64 km North of the transmitting site at Sines (South of Lisbon). Receiving equipment is similar to Kigali plus a vertically polarized multi-band antenna. The receiving station also has its own broadcasting studio as the program reaches the transmitting station at Sines via radio link.

MALTA. The receiving station for the transmitting site at Cyclops on the island of Malta is about 8 km West of the village of Nigret. An existing building there was taken over and converted into a broadcasting studio and receiving station. Antenna is a double rhombic (100 m wide and 170 m long). A radio link feeds the program to the transmitter at Cyclops.

ANTIGUA. The receiving station which comprises the studios is situated about 7 km from the transmitting station. Power for the 4 250 kW transmitters is supplied exclusively by generators powered by 700 HP diesel engines. There are 18 curtain antennas at the site. The receiving station is equipped with a double rhombic antenna and is capable of receiving 4 programs. Programs are relayed to the transmitters via cable.

MONTSERRAT. Besides the mediumwave station, there are 2 shortwave transmitters of 50 kw and 15 kw respectively, and 4 transmitting antennas. The in-feed to the transmitters is carried out from Antigua. Antennas at both sites have been constructed to withstand a wind velocity of 200 km/h during hurricanes. Precautions against frequent earthquakes were also necessary.

FUTURE PLANS. Deutsche Welle is considering a future relay station somewhere in Asia.

*ARD is Arbeitsgemeinschaft der öffentlichrechtlichen Rundfunkanstalten der Bundesrepublik Deutschland, the organization comprising all the broadcasting stations in the Federal Republic of Germany.

Technical data for this report is from Deutsche Welle Engineering. Thanks to H.J. Felbick and W. Dramer, and especially to G.G. Thiele, DX Editor of Deutsche Welle.

=====

RUSSIANS ALTER WEATHER BY RADIO. . .The Sunday Sun says a high-level government scientist claims the Soviet Union is creating havoc with Western weather using a powerful radio transmitter. Andrew Michrowski said last winter's severe snowstorms in the East as well as droughts and earthquakes in the world during the last 12 months can be blamed on Russian weather warfare.

The newspaper says Michrowski's claims, supported by other top scientists, are known to have been passed to the prime minister's office. However the claim was dismissed by other leading scientists, including Patrick McTaggart-Cowan, former president of Simon Fraser University. "It's pure science fiction," said McTaggart-Cowan, who has been one of Canada's leading experts on climate and weather control for more than 25 years.

Michrowski, employed in the secretary of state's department, has been monitoring Soviet weather experiments for more than a year. His findings are supported by records from the monitoring branch of the federal Department of communications.

Michrowski told the newspaper the Russians transmitted signals that resulted in the formation of large electromagnetic waves, thousands of kilometers wide. He said these waves contained enough electrical excitation to deflect normal Western trade winds. "The results were havoc," Michrowski said. (This article is from the Vancouver Sun via D. Dutkowski of Canada).

=====

ODDS AND ENDS. . .Well, that's it for another month. Next month I hope to bring you a column devoted to technical articles. Therefore, all technical articles are welcome - especially receiver reviews of the new digitals. I am hoping to get one quite soon. I remain,

Arthur

The Panasonic RF-2800 receiver recently introduced, is probably the first big "price" breakthru in an inexpensive set with a digital LED readout. Most digital receivers cost an arm and a leg even to think about owning!! This is the second of Panasonic's "Command" series that started with the RF-2200 and presently ends with the RF-4800.

Recently, I had a chance to run one thru its paces for a week under various conditions of DXing, and bench checks were also run to check out manufacturer's claims for performance. As was found with the RF-2200 (see pp. 50-51 of February 1977 SPEEDX) the RF-2800 equals or exceeds the specs. claimed by Panasonic in their six page brochure on the series.

This receiver is quite similar to the RF-2200 in some respects and is quite different in others. It is not really correct to say that: "The RF-2800 is really a 2200 with a frequency counter." It is a rather large portable, but not too heavy for its size at 8 pounds 10 ounces with batteries. This is 18 ounces heavier than the RF-2200.

The panel layout is simpler and more convenient than the RF-2200. The dial system uses a translucent "drum" type frequency scale coarsely calibrated on the three SW, AM and FM bands. A logging scale is included as well. The tuning knob pulls out a tiny bit and pushes back in for a two speed drive. The tuning rate (number of khz. per knob revolution) varies from band to band, due to the non-linear calibration used. For instance, in "fast" speed, the rate is about 1 MHz./ turn on band 1 and about 3 MHz./ turn on band 3. "Slow" speed yielded about 100 kHz. and 300 kHz./ turn on the same respective bands. This is quite different from that almost perfectly linear rate of the RF-2200. This, of course, does not detract from the performance, since there is a 5 digit LED (light emitting diode) counter that gives you a tuning accuracy of + 1 kHz. on the SW bands!

Tuning was very smooth, in fact almost too smooth and "easy" to turn. This takes a little getting used to after the slight "drag" that most sets have. Some slight backlash was noted in the tuning geartrain, but it was not nearly as troublesome as that present in the RF-2200. A comfortable large tuning knob is used with a "spinner" knob for rapid tuning when desired. One "minus" noted was the poor calibration on the MW band as compared to the fairly good calibration of the RF-2200. The counter dial is inoperative on the MW and FM bands, which won't overjoy you RCB DXers.

Dial illumination is dim, but adequate in a darkened room. They FINALLY provided a switch for the lamps that can be left on all the time if desired without holding it on! This is very handy when you only have two hands to work the receiver with.

The frequency counter is housed in its own little shielded box inside and no really significant "birdies" were noted when the counter was in use. There is no built in "crystal calibrator" as such. The counter is "zeroed" in on a known accurate signal, such as WWV, JJY, or any known "obvious" BBC transmitter etc. This is set from the front panel, and once set, will hold its accuracy for quite some time, over all SW bands. The counter can be switched off if desired in order to conserve battery power or extend the life of the LED readout.

As with the RF-2200, I did not have a schematic, but did have a "block diagram" of the set. Here similarity to the RF-2200 is close. The set has many of the same virtues and faults of the RF-2200. On the "plus" side of the ledger, the sensitivity was good and averaged about 1.5-3 uv. for a 10 db. signal/ noise + noise ratio. This is not quite as good as the 2200, but still good indeed.

Selectivity ran a bit better than on the RF-2200, and "skirts" of the selectivity curve are a little steeper. Figures gleaned from measurements were:

	6 db. down	20 db. down	40 db. down
Broad.....	5.4 kHz.	10.6 kHz.	16.6 kHz.
Narrow.....	2.6 kHz.	5.8 kHz.	10.0 kHz.

These figures seem not quite as good as they look when listening to the set when the RF gain control is fully advanced, especially in the 49 meter band at night amongst the ½ megawatters!!

AGC in "in" all the time on AM or SSR/CW operation. The "S" meter is the backwards reading kind and tends to pin on fairly good signals. It cannot be used as a linear signal strength indicator. The RF gain control has about a 35-40 db. range. During SSR/CW operation, although stations are easy to find, there is some drift. This seems to be worst at the low end of each waveband. SSR reception is fair once the set settles down.

The line cord plugs into the side of the set and switches out the internal batteries when it is plugged in. The battery compartment in the rear holds six size "D" batteries plus the "hearing aid" type earphone supplied with the receiver. Operation was fairly good when Ni-Cad batteries were tried.

The usual nylon carrying strap is adjustable or removable as desired. Those "handles" and funny looking feet on the front of the set, are more than just window dressing, they are indeed functional! If the receiver tips over onto its front panel, these projections protect the knobs and other items on the front panel quite nicely. It is a pity some sort of a hard plastic snap-on cover was not offered as an option, to protect the panel during transit. There is no carrying case or cover offered for the RF-2200 either!

One big improvement was a BFO pitch control on this model to make SSB/CW fine tuning a little easier. Last review on the RF-2200 I did not have the opportunity to measure the image rejection ratio. I have since done this, and it averages about 25-30 db. on the SW bands. Figures on the RF-2800 are about the same. Whilst these are not the best rejection figures in the world, they can be lived with in the 2800 much more easily than in its little brother. Images in the RF-2800 appear about 4 MHz. below the desired frequency. In other words, look for "out of band" signals in strange places! For instance: if BBC on 9510 has a roaring signal from Antigua, you might be able to hear them weakly as an "image" on about 5510 kHz. These images are for the most part outside normal bands and will not be confused with "valid" signals. NOT SO with the RF-2200!!

No measurements were made on the FM section, but audio fidelity is fairly good. Sensitivity is excellent and overloading not too bad.

If you are looking for a good all round receiver, this set is a good choice. It is no Drake SPR-4, R-390 or 51J-3, but it will do an excellent job! Although I don't consider this a "communications" receiver, it is, nonetheless, a very good value for the money, especially for you DXers that like digital readout dials!

I would like to personally thank fellow SPEEDXer: Moosa Sabadia of Radios International, who so graciously supplied this set for evaluation and tests. They sell the RF-2800 for \$229.50. For a brochure and other information, write to them at: P.O. Box 6053, Richardson, Texas, 75080.

If you have any suggestions or modifications for this set, be sure to pass them along to me and I'll let the gang know, via SPEEDX Technical Topics.

COMING: Review of the RF-4800.

ARE YOU TIRED?

We have run across some absolutely irrefutable statistics that show exactly why you are so tired. And, it's no wonder you are tired either! There aren't as many people working as you may have thought, at least not according to this survey recently completed.



The population of this country is 212 million. 90 million are over 60 years of age, which leaves 122 million to do the work. People under 20 years of age total 81 million, which leaves 41 million to do the work. Then there are 22 million who are employed by the government, and leaves 19 million to do the work. 4 million are in the armed forces, leaving 15 million to do the work. Deduct 14.8 million people working in City & State offices and we have 200,000 to do the work. 188,000 are in hospitals so that leaves 12,000 to do the work. Now, it may interest you to know that there are 11,998 people in jails, so that leaves just TWO people to do the work. That's YOU & ME, and I want you to know that I am tired of doing everything by myself!!!!!!!!!!!!

MAY CONTRIBUTORS PAGE

Each contributors name is preceded by a number, this number indicates how many SPEEDX columns a specific reporter contributed to this month. Credits for sections other than SWBC, QSL, UTE and SKEDS are not listed here, they are recorded separately by the membership chairman by perusing each issue. The * preceding a number indicates credit is given for points that were missed the previous month.

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4	BRAME, DAN	IL...ASTRO-4	1	HERKIMER, JAMES	NY...HQ-129X
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4	OWSLEY, BENTON	CA...HQ-145	1	TAKASHIMA, M	JAPAN.....??
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1	PINEAULT, ANDRE	QUE...FRG-7	1	VOCKEROTH, JOHN	PA...SX-190
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1	REDMAN, RONALD	IL....SSR-1	1	WHITEHEAD, JIM	MA...SX-190
1	REESE, ORLA	KS...QR-666	6	WORREL, RICK	ND.WDS-1428
5	REILEY, STEVE	MD...SW-717	2	YAJKO, BOB	PA....SPR-4
4	ROUNDS, PETER	CA...GR-78	1	YOHANA, BILL	NJ..RF-1150
1	RUSSELL, GARY	IL....SSR-1	5	ZILMER, BOB	WI....SPR-4

A hearty welcome to 29 first time reporters, they are: Peter Anderson, NY; Ronald Boerst, FL; Peter Conway, Malawi; Brett Daurer, OH; Antonio Del Rio, CA; Paul Ehret, PA; Michael Ellis, OH; Richard Ellis, NH; Luis Esquivel, CA; Frank Etherington, CO; John Fisher, RI; Keith Hagewood, TN; Mark Johnson, Japan; Emil Kasprzyk, TX; Ken Kemp-Blair, CA; Steve Kennedy, FL; Kelly Klumb, CA; Eric Lund, Canary Islands; Phillip Moody, Italy; Ammon Nadav, NY; Alfonso Palafox, ND; Christopher Pallen, ONT; Gary Rakow, NJ; Steven Reiley, MD; Howard Schwartz, PA; Dan Sheedy, CA; Tim Starr, GA; Masanaka Takashima, Japan; and John Taylor, PA. Now that you have broken the ice, we hope to hear from you often. A big thank you to 210 reporters, that helped to make this issue possible.

---***---

ITEMS FOR SALE AND OR WANTED

Xtals for Drake SPR-4: For 2,3,4,5,5,8,5,9,10,5,11,12,13,13,5,14,5,15,5,16 and 19.5 mHz. All A-OK, being replaced by FS-4 synthesizer. Contact Chip Karcheski, 5 Einhorn Road, Worchester, MA 01609. (617)752-1365 no collect call.

Drake SPR-4. 2.4kHz selectivity mod..AVC mod (slow-fast-off)..100kHz cal. Outboard Xtal socket w/total of 30 Xtals. Covers 70kHz through 12660 kHz, plus 14,0-14.5 & 19, 16, 13 meter bands. Additional service manual, good shape. Cost new, now above \$850.00, yours for only \$500.00. Contact Don Johnson at Headquarters.

FRG-7 Mark 11, 3 months old. Yours for \$239.00 plus shipping. Contact Tom Warrenburg, Route 3, Box 625, Delvan, WI 53115. (414)0728-3048 between 2300-0200, no collect calls please.

Oops, Chip Karcheski, is looking for a good preamplifier for SPR-4/FS4,15-30 mHz.

out of room lots more ads....Ollie

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