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JUNE 1976

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*P.O. Box 13  
Liberty IN 47353*

North American SW Association

# Loudenboomer

## report



Got together with Sam Fogbaug the other day. His wife kicked him out of the house, so naturally he rambled over to this side of town to talk a little DX.

Sam is down in the dumps of late. Says there's little new for him to hear, that varies are becoming harder and harder -- and more expensive -- to get, and that it just seems the noise on the bands has never been worse. Sam talked somberly for awhile of "ending it all," by slashing the dial cord on his Naturalistic SS-URP 1000.

"Take it easy, Sam," I consoled him. "Why, there are any number of reasons for you to stay in the DX game," I said, trying to think fast. He looked unconvinced, just sitting there shaking his head and staring at the floor.

"No, Mr. Loudenboomer," he sputtered out, on the verge of tears, "It's...it's just no fun anymore. There's nothing left. I've lost it."

"Heh, heh. Why Sammy, ol' buddy, I can give you 15 good reasons to stay active, and that's without even thinking about it halfway hard. Why sure..." my voice trailed off.

Not to leave you in suspense, I was able to fabricate a big 15 for Sam, and here they are. Accept them as a carte blanche DX pick-me-up when the doldrums strike at your QTH.

-- Remember that no matter how bad things seem, at the very least your rx is probably causing power line xmitted TVI and blasting the panties off that "Mary Hartman" schlock at 0500, in your apartado edificio.

-- When you stop using a well-exercised muscle, it rapidly atrophies. Chances are that after years of building up your DX-listening eardrums, you'd probably be unable to hear a freight train from a railside vantage point if you QRT the listening.

-- Pity poor Mrs. Stepanfetchit at Radio Moscu when your mail would stop coming.. probably the only bright spot in a borscht-filled life.

-- You'll take a beating on your equipment and be lucky to get cash to make half what you blew on the stuff.

-- On the financial end, here's another....consider the investment represented by that wall full of QSLs. Calculate carefully. Now, stop kidding yourself and do it again -- yes, it's THAT much.

-- What, oh what, would the mailman say?

-- Ponder alternative hobbies. Butterflies. String collecting. "Mah Johng. None of them have the pizzazz of SW DXing, do they?

-- Remember all the loonies you've met via the hobby. Would you trade them for the stodgy, non-radio freak sorts you'd be consigning yourself to live among if you kick the hobby habit?

--- -- You're only one measly Brazilian away...only ONE..from the special NAZA verified all barriers award. Could you toss away such a once in a lifetime opportunity???

-- If you must give something up, make it TV, your wife, pizza, snuff, Red Man chewing tobacco. There are so many better things to forego than DX.

-- What will hold the wall up if you remove all that gear?

-- What would existence be like without the ever popular "Don't You Perceive" ("Don't you perceive \*gh\* means Gabby Hayes.." et al). Or your monthly headache/challenge of ploughing through Listener's Nitpick.

-- If you quit, bear in mind you'll never again hear that side-splitting comment made by boobs visiting your shack, "oh, can you send?"

-- Speaking of boobs, you'll never again score via the DX club route. Some of the best blind dates (blind perhaps, but hearing facilities!) came via clubs like FEMDX, SGCDXers (Swedish Girls...etc.)

-- You'll never again have the glorious trill, enlightenment, pure ecstasy on an intellectual plain, satisfaction through celebrity association etc. etc. and so forth, derived from reading the "Sayings of Chairman Charlie" every month in FRIENDX from good ol'

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# NASWA

A REPORT FROM  
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.  
June, 1976

**ONE YEAR LATER:** A large percentage of the NASWA membership will not be aware that this issue of FRENEX marks an anniversary, of sorts, in NASWA's continuing history. With the June issue, it has been just one year since NASWA HQ moved to Liberty, Indiana with the publishing of FRENEX and DX Hotline (formerly FlashSheet) being relocated in Park Forest, Illinois.

During this first year under the new management we have had our problems, what with a few editors who either abandoned their sections and completely disappeared or else could not be depended on to complete their assignments in time to meet publishing deadlines thus leaving us with some blank pages to hastily fill with substitute material.

On the other hand we have been most fortunate that the majority of people (past and present) who were responsible for getting out FRENEX and DX Hotline/FlashSheet were a totally dependable and dedicated group. This Editor would like to publicly acknowledge appreciation for services rendered this past year.

With the first year's experience behind us, hopefully the second year will benefit from that experience.

**NASWA SURVEY:** The NASWA survey mentioned in May FRENEX was delayed somewhat in getting into the mail due to the United Parcel strike since the questionnaires had to be sent to Alan Mayer via Parcel Post for addressing which slowed things down a bit. By now all U.S. NASWA members should have received their copy by now.

Any U.S. member who may not have received a copy of the questionnaire can send a post card to NASWA Survey, P.O. Box 14737, Minneapolis, MN 55414 and another copy will be sent while the supply lasts.

Thanks to those who have completed and returned the NASWA questionnaire. For those who have not had a chance to return the questionnaire, please do so as soon as possible. In order for the survey to be accurate and effective, there must be a very large response. Absolute and final dead line is June 30, 1976. We hope to have the results compiled and ready for publication in the August FRENEX. Your cooperation is appreciated.

**PASSING OF AN ERA:** Over the years, the many transmitter locations of the Voice of America have provided the DXer with additional opportunities to obtain verification for transmissions received from countries that he might find more difficult acquire otherwise. HQ has received a letter signed by Ruth Walter, Public Information Officer for Voice of America, which we quote as follows, in part:

"Beginning with the summer 1976 schedules (May 2, 1976), the VOA has simplified its station identification procedure. Stations now sign-on with a few bars of the 'Yankee Doodle' interval theme followed by the announcement 'This is the Voice of America, Washington, D.C. signing on.' It is planned eventually to use a single, standard identification throughout the VOA system."

"The primary purpose of a station identification is to expedite the solution of interference problems between stations. The Radio Regulations of the International Telecommunications Union state that one recognized means of identification is the name of the operating Agency or other clearly distinguishing features. Since the Voice of America, Washington, D.C. is the operating agency in this case, it is only right that any cases of interference should be sent direct to us here in Washington."

"I hope you will call this to your listener's attention since we no longer will be QSLing by transmitter site."

Another avenue closed!

**EDITOR NEEDED FOR LR-B:** Kent Corson, who has been one of our Log Report editors since last September advises that his responsibilities with Catholic Charities in Dubuque, Iowa have been increased to the point he will have to give up his column by this coming September. He has offered to serve after this as a back-up editor for LR, and we do appreciate this. Anyone interested and feels qualified to take over as LR-B editor should contact HQ as soon as possible although the actual need will not be for some months.

**A PLEASANT SATURDAY AFTERNOON:** On Saturday, May 22, NASWA members Ed Shaw came up to HQ from Lexington, KY, and Danny Jamison came over from Columbus, OH, although Danny was delayed slightly due to a controversy with the Ohio State Patrol over the rate of his forward motion. (A bear in the air, I understand).

A lot of conversation followed, as did an impromptu DXing session on the front porch with Ed's HR0-500. No startling catches, but the neighbors got a kick out of seeing three grown men hovering over a box making a lot of weird noises. We may have talked Ed into getting more involved in the operation of NASWA as well as resuming one of his old FRENDX columns some time in the near future. I'm not sure we talked Danny into anything, but watch this column for further announcements.

**1976 ANARC CONVENTION:** To be held from Friday, July 23, to Sunday, July 25, 1976 at the Holiday Inn, 9901 S. La Cienega Blvd., Los Angeles, CA 90045. Registration is \$10.00 per person (\$14.50 with buffet dinner) in advance. For complete details, room reservations, etc., send SASE to: 1976 ANARC Convention Registrar, P.O. Box E, Elsinore, CA 92330, or call 714/674-4591. (No collect calls, please).



**NASWA RUBBER STAMPS:** We now have a new supply of the NASWA rubber stamp at HQ. This new batch is much improved in quality over the previous supply. They are available for \$2.50 each postpaid in North America. Those who may have previously ordered and advised they were not available can reorder now. Add a bit of class to your SW correspondence.

**CONGRATULATIONS!** Dr. Richard E. Wood, DX authority, author, linguist, and long time NASWA member announces his engagement to Miss Gayle Heather Aronson of Mount Vernon, New York. A fall or winter wedding is planned. Richard says, "As fellow linguists, we will always have something to talk about."

**FRENDX FRONT COVER DESIGN COMPETITION:** We had realized that the front covers of recent FRENDX's left a lot to be desired, but apparently they did inspire some to make it more apparent. Completely unsolicited, HQ has received three recent offers to redesign the front cover of FRENDX.

The thought has occurred that this might be an opportunity for anyone out there who has some imagination and artistic ability to get in on the act. In the July issue of FRENDX, we will announce the details of the "FRENDX Front Cover" Competition. We will offer some worthwhile prizes, which will also be announced, but in the meanwhile, anyone who may want to consider entering can be thinking of some ideas.



Regards & 73's,

*M. R. Leonhardt*  
M. R. Leonhardt  
Executive Editor - FRENDX

**TUCH'S TRIVIA:** When research work was being done on transistors, William G. Pfann (of Bell Laboratories) invented a refining process that could produce uniform crystal ingots with only one atom in ten billion out of line. Such purity has been likened to a pinch of salt in 38 boxcars of sugar!

**HELPING HAND:** Ken Smith, 9562 Cardwell, Livonia, MI 48150 would like to hear from other owners of Heathkit SW-717 receivers as to what kind of reception they are getting, and also how the image frequency rejection is. Also he would like information on a Silvertone model 5581 receiver that anyone may have.

**HELPING HAND:** Wanted. Allen C. Fryou, 3735 Fairmont Drive, New Orleans, LA 70122 is still looking for a Hallicrafters S-38 received in good to fair condition. Write giving details.

**HELPING HAND:** Robert R. Lintner, 102 Cherry St., Gnadenhutzen, OH 44629 says he recently picked up a used Hallicrafters S-40A receiver but it had no manual or schematic. Anyone who might help is requested to get in touch.

**TUCH'S TRIVIA:** The first car radio in the world was installed by a Chicago high school student, George Frost in May, 1922. Move over "Rubber Duck". That's a big 10-4, good buddy.

# Shortwave Center



•Editor: Jerry Lineback  
Box 325, St. Joseph, IL. 61873

June 76

Welcome to the June 1976 issue of FRENEX. We hope you will find information herein that will edify and make it possible for you to find greater enjoyment in the DX hobby. Thanks to all our contributors. We hope you will continue to prepare and send material on the shortwave radio hobby and shortwave broadcasting to Shortwave Center. Most of what we print here was prepared by NASWA members like yourselves. Send your contributions for SWC to the editor listed above. Timely material needs to be here by the 10th to make the next issue. If sending timely material, please indicate such as I may not appreciate the timely nature of some material.

## PFM

PRECISION FREQUENCY MEASUREMENT IN THE MEDIUMWAVE AND SHORTWAVE BROADCAST BANDS-Part 3

by Charles A. Taylor  
939 Eastern Ave.  
Indianapolis, IN 46201

Part 1 appeared in the March 1976 FRENEX and part 2 in the May 1976 FRENEX.

### TYPICAL EQUIPMENT

**Counters.** There are several models of counters currently available new at intermediate prices. It is perhaps Heath that first offered counters in kit form in a price range that made them feasible purchases for the non-professional. While competitive models have narrowed the price range, Heath counters are to be reckoned with first. Used Heath counters are becoming available at price reductions; nevertheless, the apprentice monitor may consider construction of a new kit in order to acquire some familiarity with the instrument.

The simplest Heath counter that has been available is the IB-101. The IB-101 has a cutoff frequency of 15 MHz, meaning that the counter will be unable to measure an input frequency in excess of 15 MHz. This is quite sufficient for mediumwave PFM, but is too low for direct shortwave PFM. At room temperature (25°C) the IB-101 has been observed by Ronald F. Schatz<sup>1</sup> to maintain a stability of 0.1 ppm or 1 Hz at 10 MHz or better. The author's Heath IB-1101 (with a 100 MHz cutoff frequency) has a time-base stability equal to that of the IB-101. The Heath IB-1102 and IB-1103 have a temperature-compensated crystal oscillator (TCXO) time base, for somewhat greater stability. Both the IB-101 and the IB-1101 have 5 readout digits (of the gaseous discharge tube type, called "nixies"). The IB-1102 and IB-1103 have 8 readout nixies. The Heath IM-4001, which is the third-generation version of the IB-1100 and the elder IB-101, has 5 digits of the newer light-emitting diode type readout (LED).

The Weston 1252 and the Spectronics SC-30 are listed in the brief equipment review as they appear suitable for PFM use; however, no experience has been had with them.

**Digital readouts and scaler switching.** Typical counters of lower price have 6 or 5 digit readouts, while frequencies to be measured typically have 7 or 8 significant digits. Counters are capable of reading out such frequencies by utilizing different scalars, which generate gate-time periods from the time-base frequency. If a gate-time period of 1 millisecond (abbreviated ms, meaning one-thousandth of one second) is used, the gate will be opened for 1 ms. In the case of a 1 MHz frequency which is to be measured, one thousand cycles would be passed and counted during that period and the readout would be 01.000. This would be interpreted as 1.000 MHz (and the scaler selector switch would probably be labelled "MHz" for this gating period). In the case of a frequency of exactly 1750 kHz, to measure

<sup>1</sup> Schatz, Ronald F., Precision Frequency Measurement: IRCA Reprint no. T5, 2 p.

this frequency the scaler selector switch would first be set to "lms" or "MHz" (depending on the switch label). In this range, the counter would read 01.750, to be interpreted as 1.750 MHz. Then, the scaler selector switch would be set to "1 sec" (or "kHz", depending on the switch label), and the readout would change to 50.000 kHz; the two most significant digits (abbreviated MSD, the digits to the extreme left) 17 having been suppressed. On a counter with 8 digits (such as the Heath IB-1102 or IB-1103), the scaler selector switch could be set immediately to "kHz", and this hypothetical 1750 kHz frequency would read out as 01750.000 kHz, to be interpreted as 1750.000 kHz.

Incidentally, some counters such as the Weston 1252 possess a feature known as leading zero blanking, meaning that the redundant zero to the extreme left in the readout 01.750 would be blanked, leaving the readout 1.750. None of the Heath counters possess this feature, and it is unnecessary once the monitor becomes accustomed to ignoring the redundant zero.

Transfer oscillator. Only three specific signal generators have been listed in the brief equipment review. Doubtless other types would serve, but these are types that are known definitely to be suitable for use as a TO.

A signal generator, for use as a TO, must have sufficient output to drive the selected counter. A signal generator which has voltage regulation incorporated into its power supply is inherently much more suitable because it will possess improved frequency stability. Likewise, a signal generator which includes a frequency vernier among its complement of controls is much more suitable for use as a TO because it will be more easily zero-beat against the signal of unknown frequency. If the prospective monitor decides to add voltage regulation to a signal generator that lacks it, sufficient tolerance should be allowed for resultant reduction in output. Otherwise, especially for use at shortwave frequencies, a signal generator will probably have to be optimized.

Acquisition of a BC-221 or LM frequency meter for use as a TO is probably more desirable, especially when the price of a new signal generator is weighed against that of a surplus BC-221 or LM (about \$35 to \$50). The BC-221 and the LM are built with r-f tight integrity as their variable attenuator must be the only access to the outside world, in order to maintain absolute control over the signal generated within. Once connected to a counter, however, a frequency meter's r-f tight integrity can be destroyed because the counter may unintentionally radiate the meter's signal uncontrollably. No modification that can be made to the frequency meter will overcome this difficulty. A side-step module (SSM), to be discussed in the chapter, will provide a satisfactory solution to the problem of counter radiation.

The following is a brief review of some equipment that would be of interest to the prospective monitor:

<u>EQUIPMENT REVIEW</u>								<u>Addresses:</u>	
<u>COUNTERS</u>								EICO	
Manufacturer and Model	sensitivity of counter (mV)	cutoff frequency (MHz)	number of digits in readout	timebase short-term stability (Hz)	temperature range over which short-term stability defined (°C)	long-term stability (p.p.m.) per period of time	price (does not include shipping and insurance)	283 Malta Street Brooklyn, NY 11207	
								Heath Company Benton Harbor, MI 49022	
								Hewlett-Packard 1501 Page Mill Road Palo Alto, CA 94304	
<u>Heath</u>									
IB-101	100	15	5	3	22-37	3/1 mo	unk	Miida (via T.R.I. Corp.) 505 West Olive Avenue Sunnyvale, CA 94086	
IB-1100	100	30	5	3	22-37	3/1 mo	\$150		
IB-1101	50	100	5	3	17-32	1/1 mo	\$200		
IB-1102	50	120	8	1	15-50	1/1 yr	\$280		
IB-1103	50	180	8	1	15-50	1/1 yr	\$350		
IM-4001	15	30	5	10	0-50	n.s.	\$130		
<u>Hewlett-Packard</u>									
5318A	25	80	7	n.s.	n.s.	n.s.	\$250	Spectronics 1491 East 28th Signal Hill, CA 90806	
<u>Miida</u>									
Digipet-60	50	60	5	40	0-40	1/1 yr	\$300	Weston (via Newark Electronics) 500 North Pulaski Road Chicago, IL 60624	
<u>Weston</u>									
1252	10	30	6	10	0-40	7.5/yr	\$296		
<u>Spectronics</u>									
SC-30	100	30	5	n.s.	n.s.	n.s.	\$170		

SIGNAL GENERATORS

Manufacturers and model	Maximum output (mV)	Internal modulation	Price (minus shipping)
EICO 330	300	400 Hz	\$63 kit or \$95 wired
Heath IG-102	100	400 Hz	\$45 kit
IG-42	100	n.s.	\$98 kit

Listing of equipment types does not constitute an endorsement of any sort. It is suggested that a catalog be acquired from the above companies to ascertain current price plus shipping information.

SIDESTEP MODULE

The Sidestep Module (SSM) was conceived as a solution to deteriorating TO stability at shortwave frequencies and to problems associated with leakage of r-f energy from counter and TO apertures and interconnections. The SSM accepts two inputs, one from the TO and one from a source of frequency-stable 1 MHz fundamental and harmonics (called a 1-MHz spectrum). In the SSM, the TO variable frequency is mixed with the 1-MHz spectrum to synthesize a virtual variable-frequency TO signal which interpolates between the 1 MHz spectrum points. This virtual TO signal has essentially the stability of the TO frequency, so that if a low band TO signal is accepted as the TO input, the virtual TO signal will have essentially that stability to 30 MHz and beyond.

The SSM and its theory will be explained more fully in the following paragraphs. See the following figure (9) for the block diagram of the SSM:

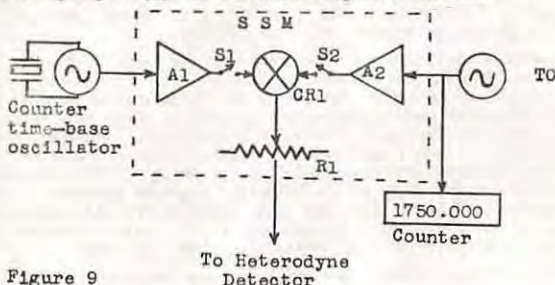


Figure 9

To Heterodyne  
Detector

A1 radio-frequency amplifier for 1-MHz spectrum

A2 radio-frequency amplifier for TO output

CR1 SSM radio-frequency mixer

R1 SSM variable attenuator (used in lieu of TO variable attenuator, which is left at maximum)

S1 1-MHz cutout switch (when off, output of SSM is TO frequency only)

S2 TO cutout switch (when off, output of SSM is 1-MHz spectrum only, for calibration of time base)

SSM block diagram. The SSM has two inputs, one from the counter time-base oscillator, and one from the TO (It should be understood that accepting an output from the counter time-base oscillator has no influence on the operation of the counter. This frequency-stable 1-MHz source fortunately exists within the counter; however, a 1-MHz output from any other frequency-stable source could be used.). In the SSM, the 1-MHz spectrum is amplified by radio-frequency amp. A1 and applied to mixer CR1. Also, the output of the TO is amplified by radio-frequency amplifier A2, after which it is applied to mixer CR1, along with the amplified 1-MHz spectrum. The 1-MHz spectrum possesses harmonics of 1 MHz up to and beyond 30 MHz. The output of CR1 is a combination of frequencies: The original TO signal, the 1-MHz spectrum, and the sum-and-difference combinations of the TO frequency and all the harmonics of the 1-MHz spectrum. For example, if the TO has been set to 100 kHz, the output of CR1 is the original input frequencies, plus the sums and differences of all these frequencies:

(TO = 100 kHz)  $1000 \text{ kHz} \pm 100 \text{ kHz} = 1100 \text{ kHz}, 900 \text{ kHz}$   
 (1000-kHz spectrum fundamental, 100-kHz TO frequency)  
 $2000 \text{ kHz} \pm 100 \text{ kHz} = 2100 \text{ kHz}, 1900 \text{ kHz}$   
 (2000-kHz harmonic, 100-kHz TO frequency)  
 $3000 \text{ kHz} \pm 100 \text{ kHz} = 3100 \text{ kHz}, 2900 \text{ kHz}$   
 (3000-kHz harmonic, etc.)  
 $4000 \text{ kHz} \pm 100 \text{ kHz} = 4100 \text{ kHz}, 3900 \text{ kHz}$   
 (4000-kHz harmonic, etc.)  
and so on;

(TO = 600 kHz) 1000 kHz  $\pm$  600 kHz = 1600 kHz, 400 kHz  
 2000 kHz  $\pm$  600 kHz = 2600 kHz, 1400 kHz  
 3000 kHz  $\pm$  600 kHz = 3600 kHz, 2400 kHz  
 4000 kHz  $\pm$  600 kHz = 4600 kHz, 3400 kHz  
 5000 kHz  $\pm$  600 kHz = 5600 kHz, 4400 kHz  
and so on;

(TO = 433.3 kHz) 1000 kHz  $\pm$  433.3 kHz = 1433.3 kHz, 566.7 kHz  
 2000 kHz  $\pm$  433.3 kHz = 2433.3 kHz, 1566.7 kHz  
 3000 kHz  $\pm$  433.3 kHz = 3433.3 kHz, 2566.7 kHz  
 4000 kHz  $\pm$  433.3 kHz = 4433.3 kHz, 3566.7 kHz  
 5000 kHz  $\pm$  433.3 kHz = 5433.3 kHz, 4566.7 kHz  
and so on.

In a typical situation, the sum frequencies (e.g. 4000 kHz + 433.3 kHz = 4433.3 kHz) would more likely be used as the relation to the TO frequency would be the most obvious.

Additionally, the SSM provides a sidestep function (from which the module takes its name). In this function, the virtual TO frequency (which is zero-beat with the signal of unknown frequency) "sidesteps" the direct TO output, whose amplitude is relatively uncontrollable, by a factor of 1 MHz or a multiple thereof.

For example, if the monitor desires to measure a frequency of 1575 kHz; a TO frequency of 575 kHz or 2575 kHz may be used with the SSM to synthesize this 1575 kHz frequency. In both cases, the unknown frequency is sidestepped to the direct TO frequency, to avoid difficulties of swamping. Since the virtual TO frequency is synthesized solely within the SSM itself, the degree of leakage is much more controllable.

TO stability. Suppose on a particular signal generator used as a TO, the first frequency band extends from 100 to 300 kHz; the second from 300 to 1200 kHz; the third from 1200 to 3500 kHz, the fourth from 3500 to 10000 kHz, and so on. Also suppose that five full revolutions of the TO frequency control knob are necessary to cover each of these bands. The total frequency change per frequency control knob revolution would be 40 kHz on band 1; 180 kHz on band 2; 460 kHz on band 3 and 1300 kHz on band 4. It can be seen that the rate of frequency change per frequency control revolution is lowest on the first two bands. Also, the absolute frequency stability of the TO output would be greatest on these first two bands. Consequently, these same first two bands would be the most useful for making accurate FFM's because it would be easier to zero-beat the TO output with the signal of unknown frequency and to maintain that zero-beat using those two bands.

SSM operation. Suppose that an unidentified station, whose frequency is about 11.5 MHz, is to be FFM'd. First, S1 is turned off so that the 1-MHz spectrum from the counter time base is removed, along with all the sum-and-difference frequency products of the 1-MHz spectrum and the TO frequency; leaving only the TO frequency at the output of the SSM. The TO is roughly zero-beat with the unknown frequency, and its frequency readout on the counter is recorded (assume 11,560 kHz). The TO is then set to band 1 or 2, S1 is turned on, and some combination of the TO frequency and the 1-MHz spectrum is mentally calculated to reach that frequency. Two options are immediately evident: The TO can be set to 560 kHz where its output will add to the 11th harmonic of the 1-MHz spectrum to produce 11,560 kHz (11,000 kHz plus 560 kHz = 11,560 kHz); or the TO can be set to 1560 kHz, where its output will add to the 10th harmonic of the 1-MHz spectrum, to produce 11,560 kHz (10,000 kHz plus 1,560 kHz = 11,560 kHz). The counter, which reads out the TO frequency only, will read out 560 kHz and 1560 kHz respectively. It remains for the monitor to mentally or manually add the TO frequency to the appropriate 1-MHz harmonic (note that other combinations are possible, e.g. 2560 plus 9,000 kHz; 3560 plus 8,000 kHz; 4560 plus 7,000 kHz, 12560 - 1000 kHz; 13560 - 2,000 kHz; et al. But the combinations that use the lowest TO frequency are preferred.). Continuing with the example, the TO is adjusted for an accurate zero-beat with the frequency that is being measured, and the exact frequency is read out. Suppose that the counter reads out 560.056 kHz. This is mentally or manually added to 11,000.000 kHz (the 11th harmonic of 1 MHz), for 11,560.056 kHz, the exact frequency in question. This is recorded along with the date.

#### CONCLUSION

More specifics and comments are available concerning the circuitry and variations thereupon of an SSM, from the author. It is expected that others who are interested in applications of FFM or in assembling a FFM station, will have questions. Such questions are invited and are to be answered en masse in a sequel to this article at the earliest possible date. For more specifics concerning the SSM, send \$0.45 and an SASE to the author. Likewise, send questions on FFM to be answered in the sequel to 939 Eastern Ave., Indianapolis, IN 46201, U.S.A.

The author wishes to thank the IRCA's Seattle Publishing Committee, and also Jerry Lineback of NASWA-FRENDX for seeing this article into print. It is hoped that this article will arouse interest in FFM, that is, after all, a tool that is useful only when used.

Bibliography. The following articles are recommended for further reading, especially the article Yes, SAH by Glenn Hauser, which might be considered as minimal basic reading:

Yes, SAH by Glenn Hauser. Describes sub-audible heterodynes, how to detect them and

how to use them. (1 p.). IRCA Reprint No. T7.

Precision Frequency Measurement by Ronald F. Schatz. Describes methods of determining the exact frequency of a station with a Heathkit IB-1101 frequency counter. (2 p.). IRCA Reprint No. T5.

Precision Frequency Analysis for the Mediumwave DXer by Ronald F. Schatz. Describes some methods of performing Precision Frequency Measurements, and analysing the results. (2 p.).

The first two items are available to non-IRCA members at \$0.08 per page and an SASE, from IRCA Reprints, P. O. Box 21462, Seattle, WA 98111, U.S.A. When ordering, it is suggested that an additional \$0.32 be enclosed for IRCA Reprint List No. PM-2 (4 p.) which lists many reprints of specific or general interest to the shortwave DXer.

The third item is available (as are the other two items) for \$0.20 per page (\$0.15 per page for more than one reprint) and an SASE from the author, Charles Taylor (address at beginning of article).

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## KEEP IT QUIET

Chapter 5—LOW-NOISE HEARING AIDS

by Morgan Monroe, Sandpoint, ID

By no stretch of imagination can shortwave receivers be considered hi-fi tuners. But some of their owners attempt to treat them as such, with results that only add to the growing reception noise burden.

Each time I see someone using a wide-response speaker or headphones with a SW receiver, I grow more irritated with the attitude of those who sell such equipment for SW reception use. But it's done every day with unwary purchasers who don't realize they're paying premium prices for the dubious privilege of intensifying their reception noise problems.

Wide-response audio equipment is much more expensive than the kinds of headphones and speakers from which SW receiver owners gain greatest benefits in terms of low-noise, high-performance reception. But the latter lack the chrome-plastic-veneer glitter often peddled in lieu of less glamorous but more compatible headphones and speakers.

So carry your noise-reduction campaign to the store the next time you purchase either. And buy then from a dealer in SW communications equipment, not in a hi-fi shop. What you bring home may not possess as much eye appeal, but it will benefit the ears considerably.

What kinds of hearing aids are best for SW broadcast reception? You can answer the question for yourself if you will consider these established facts:

1. All headphones and speakers are transducers, meaning they convert electromagnetic energy into mechanical vibrations which then become audible. The output range of such vibrations is controlled by the total frequency response of the transducer.
2. Most SW broadcast programs are made up principally of speech and music, with speech predominating. Aside from all-musical performances, music is incidental to the average SW broadcast program. It is introduced periodically to break up spoken program segments and is therefore usually of short duration.
3. The audio frequency range of AM broadcasting extends from about 50 Hz (cycles per second) to approximately 7,500 Hz, an upper level attained only by top-quality broadcasters. But since speech predominates in international SW broadcasting, the audio frequency range of received signals varies much of the time between slightly less than 100 and a few thousand hertz, the range of the human voice.

So SW receiver owners need never be concerned with any part of the audio frequency spectrum except that between 50 and 7,500 Hz. But often they are sold headphones and speakers with frequency responses all the way from 20 to 20,000 Hz at prices associated with such wide-response equipment.

What, you may ask, is the harm in having more audio frequency response than needed? The harm is additional noise, the very thing you seek to eliminate or suppress. Random noise has a broad frequency range; more of it is reproduced by wide-response audio devices than by those of limited response. If you've paid for headphone or speaker response below 50 Hz or much above 7,500 Hz, all you can possibly gain in return for added expense is more noise.

Elimination of needless audio noise is so important to successful DXing that some experienced DXers use two speakers. My own set-up is typical of this type of arrangement. For general SW tuning and voice reception, I use a speaker with a response of 300 to 2,850 Hz. It was designed for single sideband voice reception and eliminates much extraneous noise. This not only permits extremely low-noise voice reception but also makes it possible to hear faint signals through severe interference without resorting to headphones. The audio quality isn't hi-fi — it's not supposed to be — but intelligibility is excellent, even during poor reception conditions.

When listening to predominantly musical programs, I switch to another speaker with a frequency response of 50 to 10,000 Hz. A simple changeover switch adjacent to my receiver permits instant shifts from one speaker to another. The difference in background noise level between the two is substantial and immediately apparent.

Headphone selection and use should follow the same limited-response pattern for low-noise reception. My favorite DXing phones are communications-type equipment with a frequency response of 50 to 8,000 Hz. Their impedance exactly matches the headphone output impedance of the receiver I use for SW broadcast reception.

Output impedance matching is something few SW receiver owners appear to understand although it, too, is an indirect route to reduced-noise reception. Somewhere in your receiver operating manual you should find listed the impedance values of both speaker and headphone outputs. If you're using speakers or headphones with impedances considerably higher or lower than the listed figures, you are suffering a needless reception penalty.

There is nothing to prevent you from using a 16 ohm speaker with a receiver possessing a 3.2 ohm audio output, or a 45,000 ohm crystal headset with a 600 ohm phone output. You can, of course, hear incoming signals with such combinations. But you're experiencing - perhaps unknowingly - constant audio attenuation. This condition gives random noise a better chance to take over.

Speakers and headphones with impedances matching, or approximately matching, your receiver outputs assure maximum audio efficiency and the resulting freedom from needless noise. A mismatch of a few ohms is no problem and usually can not be detected by the most experienced ear. But a substantial mismatch degrades both reproduced signal strength and audio quality. Such conditions are highly favorable to increased noise levels.

Untold numbers of SW receivers are feeding signals into seriously mismatched, wide-response speakers and headphones. And this for no better reason than failure by receiver owners to learn what impedance matching means, inability to resist the glittering allure of audio reproduction devices they do not need and should not use, or both.

So in this final phase of your noise-reduction campaign, take a look at your receiver's hearing aids in terms of frequency response, impedance matching and physical location. Do you have a speaker sitting atop your receiver, or vice versa? If so, the vibrations it generates are probably disturbing the receiver's mechanical stability each time the speaker is in operation.

Try positioning speakers several feet away from your receiver, preferably on a surface other than the one supporting the receiver. This avoids the vibration hazard and often makes for better listening due to the larger volume of air between you and the speaker.

As is true of all receiving equipment, headphones and speakers require periodic cleaning and minor maintenance to assure continuing top performance. Dust and grit collect in both and should be removed every few weeks with a soft bristle brush. If you haven't yet discovered this old ham trick, a barber's dusting brush makes a handy electronic housekeeping tool.

When cleaning, check for loose connections, frayed or damaged wires and loose mounting screws in speaker enclosures. Annoying speaker rattles may be due to loose mounting screws or bolts.

Brush dust from headphone earcups, but do not attempt to remove diaphragms or protective screens to dust beneath them. In well-constructed headphones, the transducer cavities are sealed against dust and should not be tampered with. Give special attention to connecting cords and plugs. If you are an active listener, they receive considerable wear. Frayed or broken cords should be replaced immediately; they too can be noise-makers.

If you have followed through with the suggestions in this series, you should by this time be enjoying increased freedom from needless reception noise. But to keep it quiet, you must continue the effort. Noise is everywhere today and doubtless will continue to grow in both scope and complexity.

In some areas, it has long since become an unmanageable burden for SW receiver owners. Noise can and does spoil enjoyment of our hobby for increasing numbers. You need not be one of these if you adopt and maintain a continuing noise-reduction program at your receiving location.

Start now. The need to keep it quiet becomes more urgent each year in most communities.

With this article we end the series on noise reduction by Morgan Monroe, but we assure you that we will hear more from Morgan on other shortwave subjects in the future.

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## Note:

Morgan Monroe notes that the KEEP IT QUIET article in the April 1976 FRENEX contained a reference to "Mullard" brand high-quality radio tubes. These tubes are still manufactured, but are sold in the U.S. under the "International Servicemaster" brand name and in regular and "10M Series" (premium) types. They are listed on page 139 of the 1976 Lafayette catalog and are probably available from other sources that stock tubes.

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**TUCH'S TRIVIA:** One usually thinks of HCJB as the pioneer religious station in Latin America, but Radio Fides, Bolivia was on SW in 1930, almost two years before HCJB.



12:00 noon to 1:00 P.M. with programming of local and foreign news, weather broadcasts, and governmental announcements. There was no music broadcasted. Some changes occurred and in 1944, music on gramophone was included for the first time; the records were supplied by the local people. With the addition of music, the transmission time was extended one-half hour. In this first phase - 1937 through 1949, with a limited signal strength and few radio sets, broadcasting was meant for the people of Belize City only.

During the Colonial Era of control - 1950 through 1963, the United Kingdom took over control of the medium, and with assistance from the British Broadcasting Corporation, the equipment was updated and personnel - Nationals - were trained to operate the new station equipment. All of this occurred in the old studio of Radio Belize which was located, in the Paslow Building, on North Front Street.

Since 1964, Radio Belize has been operated by Nationals. The studios are located on the second floor of the Albert Cattoose Building which is located on the corner of Regent and Bishop Streets. Also located in the building are the offices of Cable and Wireless, and the Belize Telecommunications Authority.

The present studio center of Radio Belize consists of 12 rooms and offices: Chief Broadcasting Officer - Mr. E. G. Waight; Programme Organizer - Mr. E. E. Usher; and the Radio Engineer - Mr. G. Sandiford. In addition to the offices, there are three studios, a main control room, announcer's room, news room, workshop, library - where records and tapes are kept, and a lavatory. The present staff of 49 includes 8 women.

Radio Belize currently operates on 834 with 20,000 watts, and on 910, 930, and 3300 kHz, each with 1,000 watts. The mediumwave outlet of 834 kHz, which is commonly heard in the United States, operates from 1200-0510 GMT; the 3300 kHz shortwave outlet operates from 2300 to 0510 GMT. Reception reports, with return postage, are welcome at P.O. Box 89, Belize City, BELIZE.

Much of the material for this article was provided by Mrs. J. Roberts who was recently promoted to the position of Commercial Assistant. In the past, Mrs. Roberts has been the primary signer of the attractive verification cards received from Radio Belize.

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## Afghanistan

by John J. Moritz, Jr.  
Youngstown, OH

Like other developing countries, Afghanistan readily realized the value of radio in reaching large segments of its populace, and initiated radio broadcasting on an experimental basis as early as 1925. At that time a couple of small transmitters were imported to Kabul, the capital city. It was not until 1940, however, when regular broadcasts were begun in earnest, with the use of a mediumwave and shortwave transmitter. During this time, the station was known as Radio Kabul. In 1963, owing to periodic expansion, the name was changed to Radio Afghanistan. At present, Radio Afghanistan offers a weekly domestic service of 96 hours, and a weekly external service of 31½ hours. The external schedule follows:

Arabic	1000-1030 GMT	15195 kHz	To: Africa
Russian	1030-1100	15195	Europe
German	1100-1130	15195	Europe
English	1130-1200	15195	Europe
Pashto/Dari	1200-1300	15195	Europe
Urdu	1300-1400	3285	Neighboring
English	1400-1430	3285	countries

If you are fortunate enough to log Radio Afghanistan, take note of the following points in forwarding your reception report. All reports are checked, and only those found to be accurate are honored with a QSL card. Even if your report is found to be accurate, a confirmation will not be forthcoming unless you enclose an IRC for return postage. If your report is incorrect, or if you fail to enclose return postage, a schedule and information letter will be sent in lieu of a QSL card. Good luck to all! (preceding information arranged and compiled from a recent Radio Afghanistan schedule.)

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## Take it Along

by Donald King  
Havertown, PA

Vacation time does not have to mean time spent away from your receiver. In fact, taking your receiver with you when you travel, could prove to be an exciting addition to your trip. However, there are a number of pitfalls that the traveling DXer should take care to avoid.

The kind of receiver you take with you depends largely on your mode of travel. Desk type receivers are bulky to handle and could present a problem at airline or bus terminals. In any case, never put a receiver in a suitcase, the actions of baggage handlers would bring tears to your eyes. If you have something fragile in your suitcase, most public carriers warn against this and will not accept liability should anything happen to them. I have found that an overnight bag will hold a portable receiver and that underwear and socks can

be stuffed along the sides to guard against unexpected bumps. Where ever possible, hand carry the bag with the receiver. This may require some explanation at airline baggage inspection stations, but your receiver may arrive at your destination in hand and in one piece. I would not recommend putting your receiver in a car trunk as this is right over the wheels where vibration is the worst. It may also become very hot. The floor of the car is best; if you stop, put it in the trunk for security and take it out again before you start.

If you are going outside the country, take your purchase receipt along or better yet register your receiver with U.S. Customs before you leave. This only takes a minute and can save you from paying duty on your receiver. A call to the nearest U.S. Customs Office can give you details. Some travel agents may not have heard of this.

When you set up your receiver, get it as far away from your hotel as possible. Even moving to a balcony can bring a noticeable improvement in reception. Your antenna depends on the requirements of your receiver. Generally 20 feet of insulated wire will do the job for receivers needing external antennas. Do a little experimenting with your receiver in an environment similar to that at your destination before you leave. Be considerate when you turn on your receiver. The squeaks and squaks of SWL may be music to your ears, but someone else may not appreciate them. Take along a small earphone set if you can. Remember that some beaches ban radios of any kind and that some resorts also ban radios. Does your receiver pull in police calls? If so, it may be illegal in some countries; it is best to check before you leave.

All in all DXing can add a great deal to your vacation pleasure. The sound of far away places never fails to amaze people and a change in your QTH just might bring in some of those weaker stations you always seem to miss.

(Next time we will hear about the trials and tribulations of a DXer who left his receiver at home.)

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A letter confirming the demise of International Service from RNZ was received by Fred Heutte, Jr. from Arthur Cushen, famous NZ DXer. Arthur said, "A drastic measure announced by the New Zealand Government that the External Service is to close on 1 May caused widespread concern in New Zealand. In the past, the SW service was funded by the old NZBC, but recently this was taken over by the Ministry of Foreign Affairs, and they have cut the budget, and so RNZ has been . . . told to close down. If you enjoyed listening to Radio New Zealand, why not write to: The Minister of Foreign Affairs, House of Representatives, Wellington, New Zealand. Only a major reaction from overseas listeners could change the Government's mind." Your editor suggests you write to the Minister of Foreign Affairs of NZ and politely state why you enjoyed hearing RNZ and suggesting that broadcasts be resumed. Perhaps we can resurrect an old friend. (Arthur Cushen's letter appeared in the 18 May 1976 issue of Tropical DX Newsletter, Wash. DC)

### Propagation Conditions by Jerry A. Lineback, St. Joseph, IL

The solar activity cycle peaked on 16 May, but activity remained low. A minor burst of activity took place on 30 April, followed on 2 and 3 May by a minor geomagnetic storm that reached an average daily A-index of 56. This peak was an intermediate or I-peak in the geomagnetic cycle. The next solar activity peak is expected 12 June. Since solar activity remains low, geomagnetic activity is not expected to be very great. The monthly low in geomagnetic disturbance took place 15 May and is again expected 14 June. Watch for minor bursts of geomagnetic activity during mid period, about 2 June. Recurrent geomagnetic activity may also occur about 20 June.

Thanks to all our contributors this month. We need short feature articles (1-2 FRENDX pages) for future SWCs. Please contribute articles of general or specific interest on shortwave broadcast radio, equipment, stations, experiences, antennas, etc. to your SWC editor. You too can be an author.

The NASWA RADIO COUNTRY LIST AND AWARDS PROGRAM booklet (16 pages) is available from your friendly SWC editor for one 13 cent stamp or SASE. This is the 1976 revised edition.

# CME

1605 - 3899 KHz

0000 MAR 19 thru 2359 MAR 29 1976 GMT

W- WCHA B- BCNA D- Denmark

Coordinated Monitoring Event...

## --- THE RESULTS ---

- 2200 PLA, W-1021-1408-;  
 2200 R Superior, Guat., Tentative, W \*1100-1206- SS; E 0304-0402\* SS; (TGRS 2 X 1100);  
 2300<sup>1</sup> Eysan, W -0903-1420- KK;  
 2310 Peking HS, Tentative, W \*1100-1420- CC;  
 2310 Ondas Orientales, El Sal., Tentative, W 1117-1203 SS; (2 X 1155)  
 2312 RRI Jakarta, Tentative, W 1200-1407 Indo;  
 2332 RRI Jakarta, W 1211-1420- Indo;  
 2340 PLA, W \*1000-1406- CC;  
 2340 R W Britain, W -0756-1146- local lang;  
 2350 Taiwan, Tentative, W 1235-1321 CC;  
 2350 RRI Yogyakarta, W 1121-1415- Indo;  
 2360 R Maya de Brillias, W -0142-0330\*, \*1030-1217- Indian lang; E 1105-1120 Ind., SS;  
 2376 R Chimbu, W -0807-1156- local lang and EE;  
 2380 UnID, W -1127-1209 CC;  
 2390 V de Atitlan, W -0120-0410\*, \*1100-1213- SS; E -0030-0405\* SS;  
 2390 RRI Cirebon, W 1401-1415- Indo;  
 2400 UnID (Brazil? 2 X 1200?), W \*0900-0912 SS or FF;  
 2403 UnID, W 1404-1415- Indo(?);  
 2410 R E Highlands, W -0751-1153- in lang;  
 2415 RPD Tingkat 2 Sumedang, W 1406-1420- Indo;  
 2420 R Rumbos, Guat., W -0102-0521, 1112-1203 SS; (2 X 1210)  
 2428 R W Ireland, W -0730-1153- lang;  
 2450 R W Highlands, -0753-1203- lang;  
 2452 RRI Jakarta, W 1207-1430- Indo;  
 2460 Peking HS, W 1136-1345- CC;  
 2460 UnID, W 1408 Indo, heard after Peking HS fade-out;  
 2468 R W District, W -0833-1207;  
 2475 Hangchow, W-1000-1400- CC;  
 2480 RRI Padang, Tentative, W 1112-1200 Indo;  
 2490 PLA, W \*1000-1415- CC;  
 2500 WWV, W -0023-1542- EE; E 24h;  
 2500 WWVH, W-0430-1426- EE;  
 2503 RPK Bandung, W -1130-1430- Indo;  
 2510 HLK50, W -0813-1425- KK;  
 2516 RPDN Sukabumi, W 1411 Indo; Oh yeah, this is Tentative; listed 2522 KHz...  
 2600 PLA, W 1207-1320 CC;  
 2620 WREL, E 1400 EE; (2 X 1310)  
 2670 Sariwon, W -0852-1107- KK; (This seems to be on irregular operation...);  
 2680 KPRK, W 1313-1400- EE; UnID 0130-0552 EE; (2 X 1340)  
 2696<sup>1</sup> Chongjin, W -0913-1152, 1324-1400+; KK...  
 2775 Hsinchung, W -0839-1253, 1315, KK;  
 2800 PLA, W \*1000-1325 CC;  
 2850 Pyeongyang, W -0817-1430- KK;  
 2925 UnID-Asian, W-1131-1251- lang; (Maybe a Soviet Civil Air Wx Stn; I heard one here a couple of months ago... )  
 2960 Changchun, W- 1103-1247 CC;  
 3001 PLA, W 1201-1415 CC;  
 3016 EGCS, W-0831-1456- JJ; (Note that this is a FS freq and doesn't carry KK now);  
 3031 Wonsan, W-0856-1430- KK;  
 3160 UnID LA, W 0536-0611 SS(?);  
 3196 Baghdad, E 2030-2045 Turkish;  
 3200 PLA, W \*1000-1530- CC; E 1100-1300- CC;  
 3202 UnID-Africa(?), W\*0600-0733- lang;  
 3204 NBC Ibadan, W \*0430-0636-; D 2255-2305\* Vern;  
 3204 RRI Bandung, W -1021-1457- Indo;  
 3205 AIR Isacknow, W -1253-1521-;  
 3205 E Libertad, Dem Rep, Tentative, W \*0118-0230v\*; Last reported on 3216 KHz ages ago.  
 3210 Napate, W \*0400-0437 FF;  
 3210 KKK, W 0921-1033 EE; (3 X 1070)  
 3213 UnID-Indo, W 1350-1456- Indo;  
 3215 Ondas Panamericanas, W -0140-0300\*, \*1000-1123- SS; E 1035 SS;  
 3218 UnID-Africa(?), W\*0400-0506 lang;  
 3220 Peking, W -1020-1453- CC;  
 3220 R Morobe, W -0745-1049 lang;  
 3220 UnID-Afro(?), W \*0600-0648- lang; (Morobe signs-on at 0600 on weekends; Early fade-in  
 3222 Lana-Kara, Tentative, W \*0530-0646 FF(?);  
 3223 RRI Mataram, W -1012-1451- Indo;

- 3225 R Occidente, W -0101-0300\*, \*1030-1141- SS; E \*1030 SS;  
 3227 ELWA, W \*0600-0756- EE & local;  
 3230 R RSA, W \*0256-0428\* EE FS to Africa; E \*0300-0430\*;  
 3230 BCG, W -0903-1456- CC; Jammed by the PRG...  
 3232 REV Congolaise, Tentative, W \*0430-0457- lang;  
 3235 AIR Cahati, W -1254-1451- local lingos;  
 3235 R 1070, Tentative, W -0107-0300v SS; Didn't this move to 60 m ? I can't remember...  
 3240 R America, W \*1100, -0146-0601 SS;  
 3240 UnID-LA, W \*0900-0946 SS or PP;  
 3240 PBC-Bawalpindi, D 1655-1700\* Dari; NEW FREQUENCY!  
 3241 RRI Ambon, W -1000v-1400\* Indo;  
 3245 Chengtu, W -1125-1449- CC;  
 3245 Kerema, W 0740-0953 local;  
 3245 R Libertador, W -0057-0400v\*, \*1000-1126- SS; E -0015-0400v\*, 1037 SS;  
 3250 SABC, W -0036-0300\* Mon-Sat, -0400\* Sun; E \*2200-0300\* Daily, 0300+ Sun; D 2210-2220  
 3252 RRI Merauke, W -0915-1451- Indo;  
 3255 AIR Delhi, W -1246-1356;  
 3255 V de El Tigre, W -0112-0300v, \*1000-1121- SS, E 0215-0245, 1033, 2345+ SS;  
 3258 UnID-Indo, W -1107-1421- Indo;  
 3259 NHK Sendai, W -0807-1300\* JJ;  
 3260 Kweiyang, W 1209-1440- CC;  
 3260 R Madang, W -0745-1011 local;  
 3260 Niamey, Tentative, W \*0530-0613 FF and ?;  
 3261v V del Rio Carrizal, W -0200-0315 SS, E 0230-0357\* SS; haven't heard it!  
 3265 R Demerara, W -0113-0210\*, \*0813-1016- EE; This one has been eluding me. I still /  
 3265 Barotonga, W-0436-0900\* EE rRNZ; E UnID 0830+, carrier, tent. audio, ute en freq...;  
 (I think that ute must be near my QTH; that's all I hear...I caray!)  
 3268 RRI Kohima, W -1305-1430v- Urdu(?);  
 3270 Peking, \*1400-1450 EE FS;  
 3270 R Casapelite, W -0142-0500v;  
 3275 R S Highlands, W -0803-1012- lang;  
 3275 R Mara, W -0056-0358, \*1000-1150- SS; E 0056-0304, 1016 SS;  
 3277 RRI Jakarta, W \*1100-1453- Indo;  
 3277 R Kashmir, Tentative, W 1411-1437 under Jakarta...;  
 3280 V del Hapo, W -0109-0326, 1033-1049 SS; E 0315 SS, \*1007, 1034 Indian lang;  
 3285 E Puerte Cabello, W -0142-0400\* SS;  
 3285 Kabul, D 1600-1705 Vern, // 3390; NF...  
 3286 Phil. BS, W -0950-1452- EE;  
 3287 RC do Pernambuco, E -0045-0410- PP; W UnID -0130-0900+ PP;  
 3290 Peking, W-1039-1449 CC;  
 3290 R Central, W -0758-1016- lang;  
 3290 GBS Action B, W -0142-0302\*, \*0750-1011- EE; E 0130-0225+, 0845, 1011 EE;  
 3290 LV de Alansi, Tentative, -0133-0512 SS;  
 3294 RRI Samarinda, W -0950-1453- Indo;  
 3295 AIR Delhi, W -1250-1442; D 1645-1830\* Urdu;  
 3295 Lusaka, W 0349-0413 Vern;  
 3295 R Trujillo, W -0117-0300\*, \*1000-1113- SS; 0235-0300\*, 1039 SS;  
 3300 R Cultural, W -0033-0500v; E -0000-0300 SS, 0300-0500\* EE, \*1057, 1200-1230 SS;  
 3300 R Belize, W -0041-0510\* EE; E 2331-0500+, -0235\* EE;  
 3300 PLA, W 1213-1533- CC;  
 3300 R Bujumburu, Tentative, W-0336-0417 lang;  
 3305 AIR Ranchi, W -1317-1451- Urdu or the likes;  
 3305 R W District, -0733-1142-, 1150-;  
 3306 Gwelo, \*0330-0447- EE; E 0400-0440 EE;  
 3307 UnID Indo, W 1337-1452- Indo;  
 3310 Changchun, W -0951-1420- CC;  
 3315 AIR Bhopal, W 1241-1416- local;  
 3315 R Maracay, W -0152-0400\*, \*1100-1152- SS; E 0310 SS;  
 3316 Freetown, W \*0600-0851 EE & ?; E -2315<sub>+</sub> - 2319\*, -2331\*, -2345\*, -2400\*, -0001\* EE &  
 Vern; D 2200-2255 EE;  
 3320 Pyongyang, W -0827-1530- KK;  
 3320 R Estrella del Sur, Tentative, -0240-0430\* SS;  
 3322 R Beugainville, W -0711-1211- EE and local, -0650 on gud days; E 1145 Pid;  
 3323 Unid Indo, W -1211-1437-Indo;  
 3325 RRI Jayapura, -1127-1400\* Indo;  
 3325 Ondas Quevedefias, W 0330-0601- SS;  
 3325 E Maya de Barillas, W -0051v-0330v; \*1030-1252-; E -0030-0310 SS & Ind, 1042;  
 3325 R Monagas, W -0137-0400\* SS;  
 3325 Dacca, Tentative, W \*1410-1427 Urdu(?);  
 3330 CHU, W -0041-1233- EE-FF TC's; 24h fer ECNA;  
 3330 KRIA, W 0200-0300 EE; (3 X 1110);  
 3330 Rwanda, W -0339-0416- Vern;  
 3330 Perahwar or Bawalpindi(?), W -1240-1443- Urdu?; D 1550-1600 Vern;  
 3330 Ondas del Huallaga, Tentative, W -0146-0738- SS;

- 3332 UNID-LA, W -0127-0300\* SS er FP;  
 3335 BCC, W \*1000-1452- CG;  
 3335 R Wewak, W-0751-1113- local;  
 3335 R Alvorada de Lendrina, Tentative, W -0102-0303\*v, \*0800-1000 FP;  
 3336 Ziggy, R Senegal, W \*0600-0653- FF(?); D 2305-2315 FF;  
 3338 Mapute, Mozam., W \*0356-0447- PP;  
 3340 Kampala, W 0333-0416- Afr lang;  
 3340 Ondas del Mar, W-0100-0357 SS; E 0310-0340, 1122 SS;  
 3340 UNID-Asia, W -0851-1430\* KK(?) er some CC dialect(?); (Peking HS?)  
 3342 RDK Pandelang, W 1324 Inde;  
 3345 R 4VEH, W -0107-0200\*, 1057-1105- SS; E 0030-0210, 1043 SS;  
 3345 FERC, W -0941-1453- EE & (?);  
 3346 Lusaka, W -0150-0443- EE;  
 3350 Francoville, W -0150-0433- FF;  
 3350 Ejura, W \*0530-0713- EE;  
 3355 R Impacto Valencia, W -0109-0400\*, \*1000-1156- SS; MO030-0400\*, 1046 SS;  
 3355 Neuma, W \*0600-0955- FF;  
 3355 AIR Korseong, W -1236-1503- lang;  
 3356 Gaberone, W \*0400-0451- EE & (?);  
 3360 Y de Malmala, W -0051-0430\*, \*1100-1243- SS; E -0026-0500 (-0400\* ence), 1127 SS;  
 3360 R Milne Bay, W \*0700-1103- Vern;  
 3365 AIR Delhi, D 1645-1650 lang;  
 3365 RRI Mataram, W -1153-1459 Inde;  
 3365 R Puerte la Cruz, W -0053-0400\*, \*0956-1122- SS; E 0026-0400\*, 1010 SS;  
 3365 UNID-Brasil, W \*0800-0917- FF; (R Cultura de Aracaguara listed for 3365 and \*0800)  
 3365 R Erite, Tentative, W -0057-0230\* SS; (Dem Rep: I thought all these Dominicans  
 3366 Acara, W \*0530-0740- EE & Vern; E 2250-2306\* EE; were off the air...)  
 3368 UNID-Inde, W 1417-1442- Inde; (R AU Beramenjsta once reported here, but no longer.)  
 3370 UNID-LA, W 0506-0519- SS;  
 3375 V de la Fe, W -0139-0400\* SS;  
 3375 Mm. Mac. Angela, D 1805-1815 PP;  
 3375 AIR Gauhati, W 1200-1328 Assamese; AIR Gauhati dominant on 3375;  
 3375 RRI Jambi, W -1121-1438- Inde;  
 3375 R San Juan, Dom Rep, Tentative, W -0107-0131\*(?), \*1100-1131- SS;  
 3377 MHK Omaha, W -0818-1239- (sometimes early 0800 fade-in) JJ;  
 3380 Elantyre, MGC, W \*0256-0430v- lang & EE; D 2045-2055 Afre lang;  
 3380 R Chartis, W -0053-0300\*, \*1100-1216- SS & (?); E 0026-0306  
 3381 RRI Malang, W 1320-1330 Inde;  
 3381 R Iris, Tentative, W -0049-0400\*, \*1100-1211-;  
 3385 R Barcolem, W -0056-0350\*, \*1000-1110-; (SS)  
 3385 Cayenne, W -0050-0155\*, \*0900-1052- FF; E 0026 FF;  
 3385 R Babaul (R E N Britain), W \*0700-1200\* EE & (?); (This isn't supposed to sign-off  
 until \*1400)  
 3385 As. BSPSR, S&D Feeder, W 1040 RR;  
 3385 RRI Pangkalpinang, W -1138-1411- Inde;  
 3386v UNID-LA (Peru?), W -0152-0530\* SS;  
 3390 R Zaracay, W -0048-0500v\*, 0515, 1100-1150- SS; E 0200-0445, 1100 SS;  
 3390 Peking, W 1233-1453- CG;  
 3390 Labul, D 1540-1730\* Vern // 3285;  
 3390 E Visa, E 2215-0309 SS; (More likely this is Zaracay)  
 3395 R Universidad, W -0043-0400\*, \*1000-1141-; E 0214-0330 SS;  
 3395 R Fed Sucua, E -0030-0300 SS;  
 3395 RRI Singaraja, W -1152-1441- Inde;  
 3396 RBC Kaduna, W \*0430-0637- EE & (?); D 2045-2210 EE;  
 3396 RBC Owele, W Mon-Sat \*0355-0510-; Sun \*0456-0510- EE; E \*0400-0436 EE;  
 3397 Rawalpindi, W 1427 Sub Cent lang;  
 3400 FIA, W \*0956v-1536- CG; E 1100-1300 CG;  
 3405 R Zapari, Tentative, -0317-0518- PP; (per LN Mar, this would be "R BI de Cariri")  
 3413 UNID-LA, W -0116-0400\* SS; (R Cultural 3300 KHz spur?)  
 3414 RRI Medan, W -1126-1449- Inde;  
 3425 Kathmandu, R Nepal, W-1151-1443- Nepali; E 1245 Nepalese;  
 3433 RPKD Kediri, W -1132-1448-Inde;  
 3450 Peking, W \*1100-1533- CG;  
 3453v RPKD Bima, W -1135-1445- Inde, 1334 ID; ex- 3459;  
 3473 RPKD Jombang, W -1107-1451- Inde;  
 3484 RPKD Pemakaman, W-1131-1446- Inde;  
 3491 UNID-Inde, W -1236-1411 Inde;  
 3500 Peking, W 1206-1458 CG;  
 3510 RPKD Simalungun, W 1342-1456- Inde;  
 3524 UNID-Inde, W 1209-1546- Inde; (This is not Maldives all you wishfull thinkers...)  
 3535 FIA, W 1306-1550- CG;  
 3541 RPKDangkalan, W 1340-1350 Inde;  
 3550v Timer Cland., 1015-1441- in dialect...;  
 3560 Pyongyang, W -0841-1551- KK;

3578 RPKD Panarukan, W -1251-1441 Indo;  
 3585 As. RSPSR Feeder or Spur, W 1350 RR; (more likely a spur than a feeder)  
 3607 NHK Hiroshima, W -0809-1422- JJ;  
 3640 PLA, 1306-1539- CC;  
 3700 Peking, W 1209-1438- CC;  
 3706v UnID-Indo, W 1400-1453- Indo;  
 3775v RPKD Sumbawa, W 1250-1352 Indo;  
 3798 UnID-Indo, W 1353-1441 Indo;  
 3800 RPKD Jember, W 1358-1441- Indo;  
 3830 Peking, W 1408-1417 CC  
 3840 Azad Kashmir R, Tentative, W 1401-1503 lang;  
 3870 FBC Qetta, Tentative, 1400-1417- Urdu(?);  
 3885 Cape Verdes, W \*0656v-0921- PP; E 2336-0000 PP; D 2225-2255 PP;  
 3891+ Pyongyang, W \*1100-1536- KK;  
 3893 RPKD Sidoarjo, W 1137-1430- Indo;

Loose Strings Dept. (Not quite SWBC stuff...)

2500 JJY, W -0833-1230- JJ code;  
 2500 ZUO, W -0158-0400\* code;  
 2500 Rusky Time Stn, W 1345-1410- w/ no ID;  
 3031 SS #'s Stn, E 0100 SS;

SCORING (One point per station per frequency received; UnID's = 0 )

153 Jim Young; 124 Kevin Szot; 32 Al Mayer; 19 Jack Jones; 18 David Snyder;  
 15 Anker Peterson; 15 Jerry Lineback; 13 Adam Caffin; 6 Bill Whitacre;  
 5 Ben Erickson; 4 Lauren Ware;

\* - \* - \* - \* - \* -

Hew 'bout that!?! Not a bad CME at all, considering the number of entrants, or lack of the same. After the 60m CME mess, it's nice having things back to normal, that's assuming that you're reading this in the May-FRENDX... The idea of a CME, at least as I see it, is not only a contest where one can pit him or herself against other DX'ers with similar equipment and experience, but also to provide a useful reference source of just what is on the bands to supplement LR. Of course, it ~~can~~ also be lots of fun and give you some new loggings. All the 60m CME cards have been sent out (well, all 'cept two), so you should have gotten yours. The next CME, assuming there will be another, will probably be a Latin American Special - Try to log as many Latins anywhere on SW in the allotted time period, with the winner getting a free "all expense paid" dinner at the "Charro" in Dixon, with a tour of the Voice of America also in Dixon (10 miles away as the electron flies!). You have to arrange for getting here, tho. Howz all that sound, DX'ers?

David Snyder wants me to put in a plug for the BreeKlyn DX Club 1137 E. 12th St. Brooklyn, N.Y. 11230 USA which puts out a sample bulletin for 50¢ called English Language Broadcasts. Well, this isn't exactly their sample bulletin, it's the regular one, but they'll be happy to send you one as a sample...

MAYBE YOU SHOULD POSSIBLY WANT TO KNOW  
 A BIT ABOUT ME...

My favorite TV show is Monty Python's Flying Circus, followed by Saturday Night Live. As far as movies go, the best I've seen is Groove Tube and anything by Woody Allen. Music wise, I prefer progressive rock; the only classical might be the 1812 Overture or something by Tchaik. I hate disco music with a bullet, except to dance to. Other than DX and SW, I'm interested in AAU Competition Swimming, with some 2½ - 4 hours devoted to working-out in the pool. If I'm not swimming I can usually be found sleeping or eating. That's the story here, what's your excuse?

Atto. y s.s.\*

*Kevin*

Kevin M. Szot  
 555 Westwood Court  
 Vacaville, CA 95688

\*That's Spanish for "Sorry about the typing mistakes".

Editor  
Myron A. Smith  
36 Ogden Center Road  
Spencerport, New York 14559  
Telephone 716-352-6668  
(1800-220 EST/EDT)

Next Deadline: August 15, 1976  
Spotlight: South America



Scoreboard is back after a nine month absence. I shall try my best to make certain that the column will be here each quarter. The only thing I need is your support. As you have probably read, we have had no communication with my predecessor. Unfortunately this means gathering all the totals from scratch. So if I didn't hear from you, the totals shown are from the September, 1975 issue. Also all the information on locations and years listened are lost because they were never published and thus I do not have them. Incidentally, I am trying to fit those two items into the format every month. Let me know if it looks too crowded.

First of all a little personal data is appropriate. I am 38 years old and a systems analyst in data processing. I am married with 2 boys and a girl. I did a lot of listening in the 1950s and early 1960s and then was inactive until early 1974. One of the first things I did after becoming active was to look for a good DX club. I joined NASWA because I was impressed with their operation and have never regretted it. Almost all of my new countries heard have been the result of tips from FRENEX, and I am now glad to have the chance to give NASWA some return.

But enough of that. Since we have not had a Scoreboard in some time, a quick review of the rules is in order. Scoreboard is published in March, June, September and December. Each edition features a different continent, with this issue being Oceania/Antarctica, and the September issue will be South America. For countries we follow the NASWA countries list. All stations with fundamental frequencies between 1605 and 30000 kHz, whose programs are meant for the general public, may be counted. This includes standard frequency and time stations but excludes utility, satellite, point to point stations, etc. For purposes of counting stations, a station is considered to be a transmitter site. Locations DXd from are considered separate if they are more than 1000 miles apart. You will not have to update location unless you move (or unless I have it wrong). You also will not have to update "years DXd." I will automatically update everyone's figures in the first issue of each year. Under "Best QSL," we are interested in stations for that continent, not countries. Totals must be updated at least yearly. If your name has an \* next to it, it means you need to update your totals.

I wish to thank all those who have sent messages of encouragement. And now for the listing.

HELPING HAND: For sale: How to Listen to the World, 4 volumes, 1969-72 \$10.00; Shortwave Voices of the World (Wood), SWL Antenna Construction Projects (Noll), Better SW Reception (Orr). All three \$5.00; MFJ CW filter (CWF-2) \$10.00. All postpaid. Contact Alvin V. Sizer, 22 Country Way, North Haven, CT 06473.

HELPING HAND: For Sale: A Todd Graves Antenna Tuner, cheap; Heathkit Crystal Calibrator, cheap; Western Union desk Fax, good cond, \$10, you pay shipping, heavy; Panasonic tape recorder RQ1135, reel to reel \$10; Polaroid Swinger, model 20, \$7 plus shipping; Light meter, Seknoic Auto Lumi- 86, \$5. Contact Steve Handler, PO Box 253 Deerfield. IL 60015.

TUCH'S TRIVIA: Babies hear tones up to 20000 CPS; at age 20 the higher limit of perception will be on the average 16000 CPS, at age 40 the limit is about 14000, and by age 60 frequencies above 10000 CPS can no longer be heard.

HELPING HAND: Wanted: Frequency meter (such as 88-221) with calibration book. Contact Tony Dubrick, 1008 S. Busey, Urbana, IL 61801

HELPING HAND: Correction. Richard C. Lewis, 1608 Woodmere Way, Havertown, PA 19083 wants to mention that the Universal Wristwatch mentioned in January FRENEX has increased in price to \$24.95.

Reporter/Location	# Loc	# Yrs	C/E	C/V	S/H	S/V	Oceania/Antarctica	
							C/E C/V	Best QSL/Freq
1 * Don Jensen, Wisc	-	--	220	215	---	---	--	--
2 * Sam Barto, Conn	-	--	214	199	1255	745	--	--
3 * Gerry Dexter, Wisc	-	--	213	209	1009	801	--	--
4 John Tuchscherer, Wisc	-	54	212	---	1072	---	17	---
5 John Campbell, Australia	3	6	211	189	---	354	15	14
6 * Dan Henderson, MD	-	--	209	197	---	---	--	--
7 * Edward Shaw, Ky	-	--	206	191	598	324	--	--
8 Irving Johnson, Calif	1	4	206	61	---	---	12	Nomea 7170
9 Ralph Perry, Ill	-	--	205	197	---	---	--	--
10 * Ernie Behr, Ontario	-	--	205	175	1012	295	--	--
11 * Bob Padula, Australia	-	--	203	198	---	---	15	15 SIBS 5960
12 Alan Mayer, Ill	1	17	203	170	636	294	13	11 R New Ireland 2448
13 * Bob Hill, Calif	-	--	202	4	---	---	--	--
14 * Bill Sparks, Calif	-	--	201	197	---	600	16	16 R New Ireland 2448
15 * Al Sizer, Conn	-	--	201	191	803	309	--	--
16 * Al Niblack, Ind	-	--	200	130	---	---	--	--
17 * Marlin Field, Mich	-	--	197	192	782	683	--	--
18 * Dan Robinson, Pa	-	--	195	144	---	---	--	--
19 * Jim Hagen, Va	-	--	195	92	---	---	12	5 SIBS 3995
20 * Alan Roth, NY	-	--	194	179	595	449	--	--
21 Myron Smith, NY	1	12	184	148	---	220	9	7 SIBS 5020
22 * Albert Garrou, Ill	-	--	182	139	---	---	--	--
23 * Victor Jaar, Quebec	-	--	181	4	---	---	--	--
24 Al Miller, Ohio	-	--	178	157	436	202	12	10 SIBS 3995
25 * Larry Yarnon, Pa	-	--	173	139	---	---	11	11 SIBS 3995
26 Edward Kusalik, Ontario	-	--	172	138	258	177	--	--
27 * Tom Cavaras, Minn	-	--	169	129	304	227	--	--
28 * Bill Whitacre, Mich	-	--	168	120	---	131	--	--
29 John Fisher, Ontario	1	5	167	125	398	194	8	8 SIBS 5020
30 * Steve d'Adolph, Tex	-	--	165	137	221	184	11	10 GILBERT & ELLIS B S
31 * Hank Michalenka, RI	-	--	164	130	274	147	--	--
32 John Moritz, Ohio	-	++	162	107	314	144	11	9 MOREE 3220
33 Alan Laves, Texas	-	--	162	---	437	---	--	--
34 Rob Vokes, Tex	-	--	161	87	444	111	12	7 R EAST NEW BRIT 3385
35 Jim Zabransky, NJ	2	7	160	148	---	---	12	12 RRI SCROW 4872
36 * Charles Wooten, Sardinia	-	--	160	127	404	290	--	--
37 * John Sgrulleta, NY	-	--	154	149	---	---	--	--
38 * Mike Ryan, Calif	-	--	151	151	---	---	--	--
39 Jerry Lineback, Ill	-	--	151	89	301	111	11	7 SIBS 5020
40 Hadley Cress, Va	-	--	145	6	---	---	7	---
41 Kerry Branst, NY	1	--	142	92	---	---	--	--
42 * Jerry Stuart, Okla	-	--	140	120	222	200	--	--
43 * Joe Dileo, Conn	-	--	138	112	334	180	--	--
44 Bryan Price, Ky	1	8	137	76	304	88	--	--
45 * Neal Kolb, Fla	-	--	137	74	286	---	--	--
46 * Charlie Brunner, Pa	-	--	134	66	---	---	--	--
47 Mac Leonhardt, Ind	-	--	133	70	---	---	--	--
48 * Joey Nonnast, Tex	-	--	130	110	229	155	9	5 PORT MORESEY 4890
49 * K L Greer, NC	-	--	130	80	---	---	8	5 ABC PAPUA 9520
50 * Denny Driscoll, NC	-	--	125	112	---	---	--	--
51 * Bill Paschke, Wisc	-	--	125	77	261	98	--	--
52 * Wade Smith, Mass	-	--	122	70	---	---	--	--
53 * Rick Charnes, NJ	-	--	120	93	---	---	--	--
54 * Larry Nebron, Calif	-	--	120	61	---	---	--	--
55 * Wendall Carrington, Tenn	-	--	118	57	---	---	--	--
56 Dan McCarthy, Ind	-	--	115	95	145	125	6	6
57 * Carroll Patterson, Ga	-	--	114	102	315	158	--	--
58 Allen Courtney, Ky	1	4	111	47	216	51	6	4 PORT MORESEY 4890
59 Greg Ravenhorst, Minn	-	--	110	86	163	118	7	6 ABC SYDNEY 6090
60 Edward Pyatt, Pa	-	--	109	99	156	136	4	4 R TAHITI 15170
61 David Ball, Ontario	1	5	109	98	185	127	7	7 R RABAU 3385
62 Arthur Watson, BR Columbia	1	3	109	61	210	73	--	--
63 Tom Overcamp, SC	2	3	108	82	---	---	--	--
64 Robert Kozionkowski, NY	-	--	108	55	135	80	4	3 TAHITI
65 Philip Wala, Mich	1	5	107	88	204	130	11	8 SIBS 5020
66 * Michael Agner, NJ	-	--	107	73	241	76	4	4 VNG LYNDBURST 7500
67 Jim Davis, Calif	-	4	106	65	187	80	10	9 R WEST NEW BRIT 2340
68 * Jack Troy, Va	-	--	106	26	---	---	--	--
69 * Mike Hardester, Calif	-	--	103	96	153	135	--	--
70 * Henry Lazarus, La	-	--	103	91	286	202	--	--
71 * Art Weaver, Neb	-	--	102	69	---	---	--	--
72 * William Zuk, NY	-	--	102	64	---	---	--	--
73 Paul Dumire, Missouri	1	1	97	53	148	63	--	--
74 * Irving Kaufman, NY	1	--	95	56	123	85	--	--

75	*	Mildred Marshall ND	-	--	94	86	136	121	4	4	R TAHITI 11825
76	*	John Kolb, Calif	-	--	94	84	110	101	--	--	-----
77	*	Corky Webb, Tex	-	--	94	80	161	111	--	--	-----
78	*	Jeff Berger, Tex	-	--	91	35	202	39	--	--	-----
79	*	David Coursey, Tex	-	--	90	51	---	---	--	--	-----
80	*	Keith Russell, Ill	-	--	88	51	121	53	--	--	-----
81	*	Susan Wyllie, Mass	1	4	85	72	99	77	4	4	R TAHITI 11825
82	*	Bobby Hobbs, NC	-	--	82	66	125	81	--	--	-----
83	*	Gary Culbertson, MA	-	--	78	52	89	59	--	--	-----
84	*	Pat Tobin, Pa	-	--	77	62	104	71	--	--	-----
85	*	Arnold Lausovich, Wisc	-	--	77	56	---	---	--	--	R EAST NEW BRIT 3385
86	*	Richard Lucas Jr., NY	-	--	77	53	---	---	4	2	-----
87	*	Donald King, Pa	-	--	75	67	114	92	3	3	R NEW ZEALAND 11780
88	*	Andre Pineault, Quebec	-	--	75	51	123	64	--	--	-----
89	*	Jim Ebrecht, Mrocco	-	--	74	44	---	---	--	--	-----
90	*	John Walenter, Ill	--	--	72	67	79	72	--	--	-----
91	*	Greg Krause, Minn	-	--	72	57	96	62	--	--	-----
92	*	Adam Gaffin, NY	-	--	71	49	132	59	--	--	-----
93	*	J. Cole, Colo	-	--	70	50	---	---	--	--	-----
94	*	Ciro Guarducci, B. Columbia	-	--	68	60	142	92	--	--	-----
95	*	Jerry Slauff, NY	-	--	65	58	90	76	--	--	-----
96	*	Gary Biasini, Alberta	1	1	65	17	---	---	6	2	-----
97	*	Larry Talbot, Wisc	-	--	64	43	---	---	--	--	-----
98	*	Bruce Schoenfeld, Conn	-	--	52	35	76	47	--	--	-----
99	*	Rex Weckner, Ill	-	--	48	47	69	65	--	--	-----
100	*	Walt Sharp, NJ	-	--	38	26	48	30	--	--	-----
101	*	Joe Dias, Calif	--	--	37	26	48	33	--	--	-----

#### TOP TEN BY COUNTRIES QSLd

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Apologies to John Tuchscherer for leaving out his best, which was Radio Fiji (3230).

Any corrections or suggestions will be appreciated. As you can see by the number of asterisks, the turnout was somewhat disappointing. Keep those cards and letters coming.

Until next time, thanks and 73s.

*T. H. H. H.*

**HELPING HAND:** For sale. Having just acquired a SSR-1, my Allied DX-160 is now for sale. In good condition, with speaker and in original box. \$110.00, contact Richard L. Mitchell, 10095 Alhambra Ave., Cupertino, CA 95014 or call 408/996-8037.

**HELPING HAND:** Sam Sapienza, RT#5, Pocahontas, ARK 72455 would appreciate information on obtaining a SW converter or Radio for his auto.

**HELPING HAND:** Wanted. US and foreign used stamps for the Handicapped Aid Program to be used to raise funds for receivers, literature and personal assistance. Stamps should be clipped from the envelope with  $\frac{1}{4}$ " maximum border, do not peel or soak off please. Most desirable are U.S. Commemoratives, regular U.S. issue of over .10¢ face value and all foreign stamps. Send to Stamps for HAPs, 414 Newcastle Road, Syracuse, NY 13219.

**HELPING HAND:** For sale: Wells Gardner BC-348-j receiver in fair to good condition, for \$50; Heathkit Q-Multiplier in fair condition \$15; Non-collect calls accepted after 2200 at (616) 343-1890, or write Andy Robins, 2724 Fleetwood Dr., Kalamazoo, MI 49008.

**TUGH'S TRIVIA:** Back in 1930 HRB Honduras "The Voice of the Tropics" had a 12" X 16" QSL card!

**HELPING HAND:** Hear some of the most interesting and fantastic SWBC tapes you'll ever get to hear: R, Mali in EE w/NA svw, EE broadcast from R. Euzhadi; tapes of tests of the FEBA-Seychelles and Saudi Arabia; all of these were recorded right here in radioactive Levittown, PA and are adequate testimony to the good old days of SWBC. Anyone interested should send a 60 minute cassette or small reel to: 44 Sping Valley Rd., Levittown, PA for 4 IBC's or \$1.50 cash. DON'T MISS THESE.

# QSL



# Report

•Editor: William E. Oliver

45 Wildflower Rd., Levittown, PA. 19057

Some action this month from Venezuela, especially from Ecos del Torbes, but compared to last month it was fairly quiet. We even have space for some illustrations.

FRENCH publisher Alan Mayer received a card from R. Moscow verifying 7 transmitter sites in 4 countries. I can't figure out where it goes so I'll put it in the heading.

R. MOSCOW "COMBO-CARD": One card verifying R. Moscow from UKRAINIAN SSR via Ivano-Frankovsk, 7115; via Vinnitsa, 7160. From BYELORUSSIAN SSR via Orsha, 7105. From EUROPEAN RSFSR via Zhigulevsk, 7215; via Armavir, 7205; via Moscow, 7355. From ASIATIC RSFSR via Khabarovsk, 7150. Received in 22 days for 1 rpt. No rp. (Mayer-IL).

And here's a few more....

AFAR & ISSAS: France Regions Trois, 4780, card w/date and xmsn sked on it in 3½ weeks for EE rpt. No rp. (Hywarren-MAN); card in 4 months for FF rpt. (Barto-CT).

ALBANIA: R. Tirana, 6200, f/d card w/mb in 100 days after f/up for 2 IRC's and EE rpt. (Ward-NB); card w/o freq in 135 days. (Hall-NY): 9480, f/d card in 89 days. No rp. (Sarrazin-CO): 7065, card w/o freq in 114 days. No rp. (Hoffman-PA); card w/mb, sked and GG magazines about Albania in 119 days for 1 IRC. (New York street map. No rp. Received by Albania registry which the US Post Office treated as certified mail. (Slaff-NY): 9430, f/d card and sked in 9 weeks for EE rpt. No rp. (Koenig-NJ). "L'Esprit Revolutionnaire" cards.

R. Peking Relay, 7120, blue card and sked w/oil painting titled "We Are All Sharpshooters" showing girls cleaning rifles. Also received promise of magazines. (Thompson-PA): 9780, "Timber Forest" card w/o time in 22 days. No rp. (Meehan-CT).

ARGENTINA: RAE, 9690, blue/white card w/date and freq in 175 days. No rp. (Hoffman-PA); same card in 5½ months for 2 IRC's. (Dubrick-IL); card w/freq only in 92 days for EE rpt. No rp. (Carr-IL).

LOL, 15000, folder card in 1 month by certified mail for EE rpt, 1 IRC and used stamps. V/s Rolando E. Nawratil. (Moritz-OH).

ASCENSION IS: BEC Relay, 7105, no-data card and sked in 3 weeks. No rp. (Keller-NV): 9580, no-data card in 100 days. (Bishop-MT).

ASIATIC RSFSR: R. Moscow via Khabarovsk, 9610; via Vladivostok, 9730; via Nikolayev-on-Amur, 9780, cards in 1 month. (Barto-CT).

AUSTRALIA: R. Australia, 9770, f/d card, sked and pennant in 17 days for 1 IRC. (Knoll-MN): 5995, f/d card in 115 days. No rp. (Carr-IL): 9580, card, rpt form, Listeners Club info and sked in 24 days for 1 IRC. (Thompson-PA); f/d cards in 11 and 5 months. No rp. (Cohen-NJ): 9680, f/d card in 11 days for 1 IRC. (Beaudoin-CT): 5995/6005/9580, f/d cards in 4, 1½ and 4½ months. (Brown-MI): 17795, f/d card in 9½ months for an EE rpt mailed July 14, 1975! No rp. (Conover-PA): 15270, card in 3 months. No rp. V/s Peter Homfray.

(Wootten-ITALY): 15320, card in 4 months. (Barto-CT): 15320/15290-African Svc/15290-Antarctic Svc, cards received in 11 days for EE rpts. No rp. My good friends, the Aussies! First Class! No two ways about it! I sent a "Thank You" card. (Poppin-CA): 15320, card in 10 months. No rp. (Slaff-NY): 17990, f/d card in 8½ months for 1 IRC. (Dubrick-IL). Cards received were "Kookaburra", "Grass Tree", "Casino", "Aboriginal Cave Painting", "Melbourne Skyline" and "San Michele Sheep Station".

VL4-Erisbane, 4920, f/d Queensland ABC map card in 11 days. No rp. (Poppin-CA).

VNG, 7500, f/d letter in 41 days. No rp. (Bishop-MT).

AUSTRIA: ORF, 9770, card, rpt form w/envelope, sked and data on tape rpts, data on rpts received from 1973 to 1975 and data on home SW broadcasts in 14 days. No rp. (Thompson-PA); "Lake Salzkammergut" card, sked and rpt form in 2 months. No rp. (Wootten-ITALY): 11970, f/d "Niederosterreich Laxenburg" card in 23 days for EE rpt. No rp. (Conover-PA).

BELIZE: R. Belize, 3300, map card in 18 days for 2 IRC's. (Ravenhorst-MN);

f/d card in 43 days for 2 IRC's. (Bishop-MT).

**BRAZIL:** R. Nacional de Brasilia, 11780, f/d map card in 21 days for mint stamps. (Hall-NY); same card and fact sheet on their new xmtr in 6 weeks for 1 IRC. (Dubrick-IL); f/d card, sked and info on Brazil in 20 days for 5 IRC's and EE rpt. (Bishop-MT).

R. Brasil Central, 4985, letter in 3 months for EE rpt. No rp. I requested a pennant but didn't get any. (Hywarren-MAN).

R. Maua, 11885, letter (on R. Nacional letterhead) and postcard verie in 2 weeks. No rp. V/s Dr. Luiz Cesar Oliveira. (Legge-VA).

R. Jornal do Comercio, 15145, f/d excellent "A Voz Mais Potente do Brasilia, Recife" card w/full data on all their stations and very warm, nostalgic EE letter from technician-in-charge remembering our G.I.'s in Recife during the 1940's. I will send him a couple of cassettes of some real music and songs (Goodman, Miller, Andrew Sisters, Bing and the one and only Frank SI). He asks that all reports be sent directly to him. Address: Artur S. Miranda, P.O. Box 1332, Recife, P.E., Brazil 50,000.

Received in 28 days for PP rpt and PP letter. No rp. (Poppin-CA).

**BRUNEI:** RTB, 7215, map card and sked in 29 days for 2 IRC's and 1 color print. (Wiles-WV).

**BULGARIA:** R. Sofia, 9700, f/d "Ohrid U" card, sked, magazines, travel info, newspapers, etc in 100 days for EE rpt. No rp. The next day I got a sealed, empty envelope! The CIA strikes again! (Grant-MC); f/d "Nessebar" and "Bachkovo Monastery" cards, 2nd and 3rd in the series, in 128 days for R. Sofia Monitor Rpt form. No rp. (Hoffman-PA).

**BYELORUSSIAN SSR:** R. Moscow via Orsha, 7100, f/d "Kalinin Prospekt" card in 72 days. No rp. (Meehan-CT); card w/site and letter in 6 weeks. No rp. V/s Mrs. Lucy Larina. (Ball-ONT).

**CANADA:** CBC Northern Svc, 11720, f/d "Carved Bear" card and sked printed on the back of a 10x15 glossy painting of Beechey Island in 67 days for 2 IRC's which were returned. (Baibach-NE): 9625, f/d "Sculpture" card and sked in 69 days. No rp. (Hoffman-PA); f/d "Seal" card and 9x14 painting w/ sked on the back in 7 weeks for 1 IRC. (Koenig-NJ); f/d "Polar Bear" card, sked and info in 78 days. No rp. (Schulman-NY).

CFCX, 6005, "Station Picture" card in 8 months (!) for mint stamp. (Wooten-ITALY).

CHU, 3330, "Sir Sanford Fleming" card w/o time or date and station info in 21 days. No rp. (Knoll-MN): 7335, same card, xmsn data card and 34 page booklet titled "Standard Time and Time Zones in Canada". (Thompson-PA).

**CANARY IS:** RNE Relay, 11800, "Noblejas" card w/o site in 1 month. No rp. (Overcamp-SC).

**CENTRAL AFRICAN REP:** R.N. Centrafricaine, 5035, f/d letter in 4 months for EE rpt on FF xmsn. V/s G. Eibe Sco. (Hywarren-MAN).

CHAD: R.N. Tchadienne, 4904.5, f/d FF "Three Scenes" card in 2 1/2 weeks for EE rpt. No rp. (Hywarren-MAN).

**CHINA:** R. Peking, 11945, f/d card, pennant, sked and info (in GG) in 26 days for EE rpt. No rp. Later they sent me 2 calendars and the magazines they promised. (Keller-NV); card in 14 days. They also sent an EE sked picturing girls with machine guns and rifles captioned "We Are All Sharpshooters". Anti-gun lobbyists, take note! (Conover-PA); f/d card, sked and R. Peking lapel pin in 19 days for EE rpt and 1 IRC. (Koenig-NJ): 11685, f/d card in 18 days. No rp. (Beaudoin-CT): 15060, f/d card for reply to one of three rpts, R. Peking lapel pin, new sked, letter announcing start of special series in mid-May called "Cultural Revolution" and a nice "Thank You" note in 12 days. No rp. (Poppin-CA). All cards "Timber Forest".

**COLOMBIA:** R. Gautapuri, 4915, "Thank You" letter w/freq in 124 days for SS rpt and mint stamps. (Hardester-CA).

R. Sutatenza, 5075, f/d card in 7 months for 2 IRC's. (Bishop-MT) La Voz del Llano, 6115, f/d aerogramme letter and colorful sticker in 3 months for SS rpt. No rp. (Hywarren-MAN); letter on Villaviciencio foto folder in 1 1/2 months. No rp. V/s Jairo E. Cifuentes. (Legge-VA).

R. Meridiano 70, 4925, letter and pennant in 1 month. No rp. V/s Ingeniero Sergio Perez. (Legge-VA).

**COSTA RICA:** TIFP, 9645, f/d "Mike" card, sked, pennant and info on station and on Costa Rica in 16 days. No rp. (Schulman-NY).

**CUBA:** RHC, 17750, f/d green/white "Circles" card, sked and very nice letter in 30 days for EE rpt and 1 IRC. (Nicolosi-NJ): 11760, f/d yellow/white "Circles" card in 56 days for EE rpt and 2 IRC's. (Hoffman-PA): 11815, same card, sked, program guide and pocket calendar of Cuban "Heroes" in 5 weeks for rpt on trilingual rpt form. No rp. (Brad Benjamin, Highland SLIC-CO): 9525, f/d card, sked, 2 newspapers, book about Angola, 6 pocket calendars and personal note from Maria Montero Triana in 5 weeks for EE rpt and 2 IRC's. (Koenig-NJ).

**CZECHOSLOVAKIA:** R. Prague, 5930, f/d card in 24 days for 1 IRC. (Rockwood -OH); "Town Square" card in 1 month. No rp. (Wooten-ITALY): 5930/7345, 3 different cards in 57, 29 and 32 days for monitor rpts. No rp. Also received 18 color slides. (Meehan-CT).

DENMARK: R. Denmark, 15165, card in 25 days. No rp. (Quinn-NY).  
 DOMINICAN REP: R. Mil, 4930, f/d letter w/wrong freq (4940) in 21 days for SS rpt and 1 IRC on my 2nd try. First attempt 4 years ago resulted in my name being read over the air, 6 pen-pal letters with one girl eventually asking me to find her a rich OM for a husband but, alas, no verie. (Mayer-IL). After that I'd wait 4 years before sending a f/up myself, Al. ed.  
 R. Clarin, 11700, verie letter in 1 1/2 months for SS rpt, 1 IRC and postcard. V/s Lilly de Morales. (Moritz-OH).  
 La Voz de la Fuerzas Armadas, 4825, card, letter and large pennant in 2 weeks. No rp. V/s Coronel Fidel T. Baez Berg. (Legge-VA).



## Rádio Clube de Malanje

(INSTITUIÇÃO DE UTILIDADE PÚBLICA)

TELEFONE 30

CAIXA POSTAL 83

MALANJE - ANGOLA  
 AFRICA OCIDENTAL PORTUGUESA

POSTO EMISSOR

CR 6 RE

ONDA MÉDIA  
 267 MTS. - 1161 KHZ.

ONDA CURTA  
 50 MTS. - 4966 KHZ.  
 90 MTS. - 3215 KHZ.

Mr. Daniel A. Robinson  
 44 Spring Valley Rd.  
 Lewis, Howard, P.A. 19056  
 U.S.A.

ECUADOR: HCJE, 9560, f/d "Bread Owl" card, sked, blue/yellow pennant, info on ANDEX and religious info in 1 month for EE rpt and 2 IRC's. V/s Sam Rowley. (Keller-NV); same card in 1 month w/ANDEX mailing. (Moritz-OH): 11915, same card, pennant, questionnaire and religious info in 36 days. No rp. (Balbach-NE): 15300, "Clown" card in 4 months. I reported on the Nordic Svc and received literature written in Norwegian and a beautiful cloth bookmark. (Barto-CT).

R. Quito, 4920, multi-lingual "Thank You" verie w/no data in 53 days for NASWA SS rpt and 1 IRC. (Ravenhorst-MN); card in 2 months. No rp. V/s Fernando Pegan. (Legge-VA).

EGYPT: R. Cairo, 9805, f/d "River Scene" card, sked and personal note in 40 days for EE rpt. No rp. (Petrov-ONT); f/d ink sketch card, postcard from "Rita", sked and letter signed by Mrs. Nagla Waked in 92 days for EE rpt and 1 IRC. (Koenig-NJ).

ENGLAND: BBC, no data "Thames" card and World Radio Membership card w/letter in 1 1/2 months. (Renée Heflin, Highland SLIC-CO). Freq, please, Renée.

ESTONIAN SSR: R. Riga, 5935, very beautiful green/white folk scene card w/all data, sked and pennant in 4 months for EE rpt. Per Ernie Behr's info in the April FRENEX, I am listing this as Estonia, since site was not marked on the card, and both BECMS and ARDXC say Estonia, not Latvia. (Moritz-OH).

ETHIOPIA: ETLF, 11830, f/d card and sked in 84 days for EE rpt. No rp. (Quinn-NY); standard blue card in 4 1/2 months for 2 IRC's. Card stated that the pennant I requested was enclosed. Unfortunately, it wasn't. Such is luck! (Hofmann-PA): 9705, card, sked, pennant and religious info in 11 weeks. No rp. (Heimke-MI). Did you get Hofmann's pennant, Dave? ed.

EUROPEAN RSFSR: R. Moscow, 15140, f/d card, sked and note saying they are sending me printed matter on the 25th Congress of the Soviet Communist Party. Received in 42 days for EE rpt. No rp. (Moss-CA): 7150, f/d "Kremlin" card, sked and rpt form in 8 weeks. No rp. (Koenig-NJ): 11690, "Kalinin Prospekt" card in 41 days. No rp. Received this one after f/up letter on their refusal to confirm with a nice letter from Mrs. Lucy Larina, NA Desk, apologizing for the error and stating that it was caused by a great influx of mail at that time. (Ashenurst-ONT) See April "Odds & Ends" on this. ed. 31 meter band, "Moscow U" card, rpt form and "Thank You" note in 42 days. No rp. (Balbach-NE). Transmitter site cards....R. Moscow via Moscow, 7350, card in 2 months: 7390, card in 6 weeks. (Barto-CT): 7440, card w/site and letter in 6 weeks. No rp. V/s Mrs. Lucy Larina. This site was previously listed as Kenga. (Ball-ONT). Via Tula, 12050, card in 2 months. (Barto-CT). Via Armavir, 9520, card for an African Svc, contrary to some info in the April FRENEX, in 26 days. Said they would send a summer sked when it was ready. (Bishop-MT): Armavir, 7200 and Moscow, 7350, both sites on 1 f/d OMEA card in 72 days. No rp. (Meehan-CT).

Radio Station Peace and Progress, 9660, f/d card, sked and info sheet in 13 weeks. No rp. (Heimke-MI); f/d card w/metre band on a 3x6 piece of paper and sked in 104 days. No rp. (Schipelliti-MA).

**FINLAND:** R. Finland, 15110, f/d "Spring in Finland" card in 20 days for EE rpt. No rp. (Conover-PA).

**FRANCE:** RFI, 15425, "Diplome" verie w/no data except program heard ("Paris Calling Africa"), sked and pocket calendar in 3 months for EE rpt and 2 IRC's. (Keller-NV): 15210, f/d FF card in 180 days for EE rpt and 2 IRC's. (Petrov-ONT); f/d station card in 5 weeks. No rp. (Koenig-NJ): 15300, "Paris" card w/detailed info and calendar in 6 weeks. No rp. (Nicolosi-NJ).

**FRENCH GUIANA:** France Regions Trois, 3385, card w/info in 14 days for 2 IRC's and a portrait of the City of Wheeling. My 2nd try was with a FF rpt. (Wiles-WV).

**GAMBIA:** R. Gambia, 4820, verie letter and long, detailed sked in 159 days for 2 IRC's. (Heimke-MI); f/d mimeo letter in 6 months for EE rpt and mint stamps. Included sked had no indication that service would cease. Reply dated April 8, 1976. Received a day before f/up was to be sent. (Overcamp-SE)

**GERMANY (E):** RFI, 15390, f/d card in 50 days for EE rpt and 2 IRC's. Also received "RFI Journal" separately. (Ward-NB): 7300, f/d "Stralsund" card, sked and magazines in 16 weeks. No rp. (Brown-MI).

**GERMANY (W):** Deutsche Welle, 9765-Wertachtal, f/d "Colored Circles" card in 103 days for EE rpt and 1 IRC. (Grant-NC): 11810-Julich, card in 2 months (Barto-CT).

Sudwestfunk, 7265-Rohrdorf, usual map/antenna card in 38 days for GG rpt. No rp. V/s Kraus. (Schwartz-DE).

VOA-Munich, 3980, Capitol card in 10 days. V/s Monica Vall. Power listed on card per my request is definately 8 kw. My 14th VOA site and it also lowers my European QRP! (Moritz-OH).

**GHANA:** GBC, 11850, f/d beige card, skeds and 2 pen-pal letters in 193 days for EE rpt and 2 IRC's. (Petrov-ONT). Two pen-pal letters? They must be starting a club now! ed. 4915, f/d GBC card in 3 1/2 months for EE rpt and 2 IRC's. (Conover-PA); f/d card and sked in 6 months for EE rpt and 2 IRC's. (Gower-IL): 4980, f/d card in 120 days for EE rpt. No rp. (Hardester-CA).

**GREECE:** EPT, 9760, card in 19 days for EE rpt and 2 IRC's. (Schwartz-DE); f/d card in 1 month for EE rpt. No rp. (Moritz-OH); f/d black/white card in 16 days. No rp. (Cohen-NJ); f/d card and sked in 14 days. No rp. (Schipelliti-MA).

VOA-Kavala, 7270, card in 19 days. V/s Joanne Beason. (Bishop-MT); f/d card in 13 days from Monica Vall. (Meehan-CT).

**GUATEMALA:** IGNA, 3300, "Cuetzal" card, letter and sked in 15 days for EE rpt and 1 IRC. (Balbach-NE).

**GUINEA-BISSAU:** R. Nacional da Rep. da Guinea-Bissau, 5041, f/d green card in 4 months for stamps. (Anderson\*MA); green card in 193 days for 2 IRC's. (Rockwood-OH); card w/date and time in 181 days for NASWA PP rpt, picture card and 2 IRC's. (Ravenhorst-MN); CSL card in 2 months for PP rpt and mint stamps. (Barto-CT); green card w/date and freq in 126 days for PP rpt and 1 IRC. (Carr-IL). Three members included the verie signer with the above rpts. The signer was "Viburcio Ribeiro de Mouva" or "Liburcio Ribeiro de Moure" or "Vibureio Ribeiro de Moura". And my wife wonders why I cry a lot!

**GUYANA:** GBS, 3290, letter in 3 weeks. (Heimke-MI).



from  
Aaron  
Hywarren

RFI  
ST



## RADIODIFFUSION NATIONALE TCHADIENNE



**HAITI:** 4VEH, 11835, f/d "Native Woman" card, questionnaire and letter in 66 days for EE rpt and 2 IRC's. (Balbach-ME): 9770, same card in 3 months for 1 IRC. (Brown-MI); same card and religious and station info in 9 weeks. No rp. (Nicolosi-NJ).

**HONDURAS:** HRVC, 4820, f/d map card, sked in 18 days. No rp. (Schulman-NY); same card in 2 weeks for EE f/up rpt. No rp. (Hywarren-MAN).

**INDIA:** AIR, 11775, f/d "Chitragutta Temple" card in 135 days for 1 IRC. (Beaudoin-CT): 9525, same card in 135 days for EE rpt. No rp. (Conover-PA); f/d "Lioness" card in 4 months for EE rpt and local post card. (Gower-IL): 7150/11620, card in 4 months. (Barto-CT).

**IRAN:** V. of Iran, 9022, f/d "Abadan TV" card in 189 days for 4 IRC's. (Conrad-IA); same card in 22 days for EE rpt and 2 IRC's. V/s Fracyn. (Petrov-ONT); "Bandar Abbas TV" card in 5 weeks for EE rpt and 2 IRC's. (Wootten-ITALY).

**IRAQ:** R. Baghdad, 9745, f/d card and RBI emblem "The Voice of the Iraqi Republic", in 169 days for 4 IRC's. (Conrad-IA); f/d "Bride" card, sked and a 5-inch emblem of R. Baghdad in 32 days. No rp. (Schinelliti-MA): 6030, card in 3 months. (Barto-CT).

**ISRAEL:** IBA, 5950, "Western Wall" card in 65 days for EE rpt and 1 IRC. (Ashenhurst-ONT): 7412, same card in 49 days. No rp. (Beaudoin-CT): 5900/7412/9818/11642, same card in 7 weeks: 15100, "Wailing Wall" card in 6 weeks. No rp for either. (Wootten-ITALY).

**ITALY:** RAI, 6010, f/d "Il Settecento Italiano" card in 6 months. No rp. (Brown-MI).

**JAPAN:** R. Japan, 15300, "Hakata Dolls" card, sked and literature in 20 days. No rp. (Schwartz-DE); same card in 14 days and "Cherry Blossom" postcard. No rp. (Meehan-CT).

**JORDAN:** HBS, 9560, "Folklore Dance" card in 1 month for mint stamps and EE rpt. (Wootten-ITALY).

**KOREA (N):** R. Pyongyang, 9420, f/d "Theatrical Scene" card w/freq listed as 9977 kHz, 2 questionnaires, 3 skeds and 3 book-like magazines in 47 days. Sent in 2 packages. No rp. (Sarrazin-CO).

**KOREA (S):** KBS, 9640, "Autumn Palace" card and pennant in 116 days for franked stamps. No rp. (Ravenhorst-MN): 9600, card and nice yellow pennant in 2 months. (Barto-CT).

**KUWAIT:** R. Kuwait, 11940, new "Minaret/Dhow" folder CSL card in 32 days. No rp. (Schwartz-DE).

**LIBERIA:** ELWA, 11950, f/d "Native Drummer" card, letter and religious material in 395 days for EE rpt and 2 IRC's. V/s D. Frazer. (Petrov-ONT); f/d card and sked in 14 months for EE rpt. (Gercken-IL): 11945, f/d "Native Drummer" card in 60 days. I didn't have any IRC's so I sent 4 US 13¢ stamps. (Conover-PA). Only 60 days for US stamps. Figure that one out! ed. 15170, (no longer in use), f/d card w/power-50 kw and target area-North America in 1 year, 12 days. No rp. Letter was postmarked August 29, 1975 and received April 13, 1976. (Slaff-NY).

VOA-Monrovia, 7280, f/d card in 5 days. No rp. (Hall-NY): 17870, same old Capitol card in 1 week. (Dubrick-IL).

**LITHUANIAN SSR:** R. Vilnius, 7355, f/d "Flower" card in 60 days for EE rpt. (Conover-PA): 7190, f/d card and pennant in 6 months for EE rpt. (Gercken-IL)

**LUXEMBOURG:** R. Luxembourg, 6090, f/d card in 42 days for EE rpt. No rp. (Hall-NY); f/d "Antenna" card in 72 days for EE rpt and 1 IRC. (Petrov-ONT).

**MALAGASY REP:** R. Nederland Relay, 11730, f/d EDXC card in 49 days. No rp. (Sarrazin-CO); same card in 21 days. No rp. (Hall-NY); same card in 49 days. No rp. (Cohen-NJ); f/d "Happy Station" card in 81 days. No rp. (Schinelliti-MA); f/d cards, sked, EE staff photo, antenna book and DX catalog in 53 days for rpt on trilingual form. No rp. (Mandy Pierson, Highland SLIC-CO).

**MALAYSIA:** R. Malaysia, 11900, nice green folder card in 24 weeks for EE rpt. No rp. Quick, man, quick! (Hywarren-MAN).

BBC Relay, 9740, usual no-data card in 13 days for 1 IRC. (Rockwood-CH); no-data card in 57 days. No rp. (Beaudoin-CT); card w/"Far Eastern Relay Station" on it and 2 skeds in 20 days. No rp. (Heimke-MI).

**MALTA:** "Malta Calling", 6055, letter from V. Aquilina and travel brochure in 120 days for EE rpt. No rp. Letter has new freq of 6035, not 6055, and came 12 days after I sent a f/up w/mint stamps. (Quinn-NY); letter and info in 16 weeks. No rp. (Heimke-MI): 9755, form letter w/data filled in, but w/wrong date and freq in 146 days after 2nd f/up/No rp. (Ravenhorst-MN).

IBRA Radio, 6055, yellow/black map card and pennant in 2 months for a f/up rpt sent on a R. Budapest SW Club card to Box 396, Stockholm, Sweden. First rpt was sent directly to R. Mediterraneo with IRC's w/o success last December. (Hofmann-PA). (If you don't have a R. Budapest rpt form, use anything. ed); card and pennant in 3 1/2 months. (Barto-CT).

DW Relay, 6100, f/d card in 88 days for EE rpt. No rp. (Hall-NY).

**MARTINIQUE:** Fort de France, 3315, "Beach Scene" card in 30 days for FF rpt and 1 IRC. EE notation on the card states that they do not transmit on 5995 kHz. (Conover-PA).

**MONACO:** TWR, 7105, f/d "Buildings card in 11 days for 1 IRC; f/d "Antenna"

card in 21 days after f/up for a total of 3 IRC's. (Cohen-NJ).

MOZAMBIQUE: R. Mozambique, 4895, card in 3 months. (Barto-CT).

NETHERLANDS: R. Nederland, 9715, f/d EDXC card in 14 days. No rp. (Meehan-CT): 17700, f/d card in 23 days. No rp. (Brown-MI): 11730, f/d new "Happy Station" card in 81 days. No rp. (Schipelliti-MA): 6045/7210/5955-Lopik, EDXC card in 2 months. (Barto-CT).

NETHERLANDS ANTILLES: R. Nederland Relay, 6165, f/d EDXC card, sked in 58 days for EE rpt and 2 IRC's. (Moss-CA); black/white "Steps" card, sked and scenic card signed by Tom Meyer in 6 weeks. No rp. Also received an EDXC card in 40 days for 1 IRC. (Koenig-NJ); f/d new "Happy Station" card in 81 days. No rp. (Schipelliti-MA): 11730, f/d SS "Antenna" card in 24 days for SS/EE rpt and 1 IRC. (Poppin-CA).

TWR, 11925, "Flamingo" card and pennant in 2 weeks for 2 IRC's which they acknowledged. (Hofmann-PA); f/d card and station info in 16 days for a \$3.00 donation. (Bishop-MT): 6190/11925, card, sked and blue pennant in 3 months. (Barto-CT).

NEW CALEDONIA: R. Noumea, 7170, map card w/o freq in 18 days for 2 IRC's. (Ravenhorst-MN); orange card w/date and time in 17 days for FF rpt. No rp. (Carr-IL).

NEWFOUNDLAND: CKZN, 6160, f/d blue/white CBC card in 20 days. No rp. V/s H.A. Bishop for F. Holm. (Meehan-CT).

NEW ZEALAND: RNZ, 11780, f/d card, sked and pennant in 55 days for EE rpt. No rp. (Moss-CA): 6105, f/d "Fishing" card and "Mailbox" notice in 61 days for EE rpt and 2 IRC's. The notice was for the "Mailbox" program of Friday, May 7, but I didn't receive it until Saturday, May 8. (Brindle-PA).

NORWAY: R. Norway, 11870, f/d card in 20 days. No rp. (Bishop-MT).

PAPUA NEW GUINEA: NBC, 4890, verie letter in 28 days for 1 IRC. (Cohen-NJ); letter in 111 days, surface, for 1 IRC. (Heimke-MI).

R. Morobe, 3220, f/d postal card verie in 3 weeks for 2 IRC's, used stamps and postcard. V/s James Liedl. Down goes my Oceanic GRP! (Moritz-OH). Very nice catch, John! ed.

PERU: R. Santa Rosa, 6045, letter in 2 months. V/s P. Jorge A. Cuadros P. (Barto-CT).

R. Atlantida, 4790, letter in 1 month. No rp. V/s Susy Diaz Lanatta, Secretaria. (Legge-VA).

PHILIPPINES: V. of the Philippines, 9580, f/d pink card and sked in 5 weeks for rpt on trilingual form. No rp. They also sent a questionnaire with a promise of magazines or postcards if it was returned. V/s Ernesto G. Madrid. (Leonard Stauffer, Highland SLIC-CO); same card in 6 weeks. V/s Grace de Plazo. (Hilko-CO).

VOA-Tinang, f/d Capitol card in 7 days. No rp. I sent Monica Vall a "Thank You" card. (Poppin-CA).

POLAND: Polish Radio, 7285, "Sail Boat" card, sked, antenna booklet, "LOT" hostess card and nice letter from Lech Stanislawski in 51 days for 1 IRC. Lech says they would like reports on their NA transmissions. (Rockwood-OH): 11815, same f/d card, skeds and 9 printed segments of their Esperanto prgms which I requested in 3 months. No rp. Card #6 from Polskie Radio! They've been coming in fairly well on the 25 mb during May. (Oliver-PA).

PORTUGAL: Emissora Nacional Portugal, 6025, f/d postcard w/verification stamped on the back and PP sked in 17 days for 1 IRC. (Moss-CA); f/d "Hot Springs Pool" card in 15 days. No rp. (Meehan-CT): 11935, "Lisbon" card w/o date and sked in 17 days for PP/EE rpt. No rp. (Poppin-CA).

RFE, 17835, blue/white card w/o time in 23 days, air, for rpt mailed to GG address and 2 IRC's. Previous rpts to New York were never answered. (Talbot-WI).

RHODESIA: RBC, 3396, "Gazelle" card in 17 days for 2 IRC's. (Ravenhorst-MN).

ROMANIA: R. Bucharest, 5990, f/d card, sked and Martisor in 50 days for 1 IRC. (Rockwood-OH); f/d card, pennant and letter in 94 days for EE rpt. No rp. (Hall-NY); card, sked and letter in 1 month. No rp. (Bishop-MT); f/d "Map and Architecture" card, letter and pennant in 37 days. No rp. (Meehan-CT); same card in 33 days. No rp. (Cohen-NJ): 9690, beautiful colored f/d card, sked, info on Listeners' Club and station, personal "Thank You" note and promise of some Romanian magazines in EE. (Koenig-NJ): 11940, f/d card in 35 days for EE rpt. No rp. (Brown-MI).

RWANDA: DW Relay, 15410, "Afrika" card in 5 months. No rp. (Heimke-MI).

SAUDI ARABIA: BSKSA, 11865, "Thank You" letter and skeds in 74 days by registered airmail for 1 IRC and stamps. V/s Sadek Fayoumie. (Anderson-MA).

SINGAPORE: R. Singapore, 11940, card in 17 days for 1 IRC. (Heimke-MI).

SOMALI REP: R. Mogadishu, 9585, "provisional" CSL letter w/full data in 51 days for 2 IRC's. (Ravenhorst-MN); f/d form letter in 8 weeks for EE rpt and mint stamps which were not used. (Wooten-ITALY).

SOUTH AFRICA: RSA, 11900, f/d "Springbok" card in 18 days. (Moss-CA); same card and "RSA Calling" with "Thank You" card in 29 days for 1 IRC. (Thompson-PA); very original "Map & Antenna" card w/full data for EE rpt on special SA DX Club program. No rp. (Poppin-CA); f/d "Crowned Crane" card and "RSA Calling" in 13 weeks for 1 IRC. (Koenig-NJ): 7270, f/d "Crowned Crane" card,

sked and "RSA Calling" in 24 days for 1 IRC. (Knoll-MN); special (SL from SADY Club for their special prgm in 3 weeks. V/s Gary J. Puts. (Brown-MI).

Springbok Radio, 4810, "Montage" card and sked in 21 days. No rp. (Schwartz-DE); same card for EE rpt and 1 IRC in 22 days. Received a pennant, sked and letter later. (Halbach-NE): 9680/4875, same cards in 21 and 25 days w/skeds. No rp. (Poppin-CA): 3250, card in 2 weeks. No rp. (Dubrick-IL).

SPAIN: RNE, 6065, SS "Antenna Towers" card w/date and freq in 21 days for EE rpt. No rp. (Nicolosi-NJ); four-color card in 39 days for 1 IRC. (Thompson-PA); "Antenna Tower" card in 77 days. No rp. (Eishop-MT); f/d card and sked in 4 weeks. No rp. (Koenig-NJ); "Antenna Farm" card and European xmsns sked in 11 weeks. No rp. (Brown-MI); "Toledo Xmtr" card in 133 days, air, for 1 IRC. Letter was mailed from Madrid on Jan 12, 1976 and received May 10, 1976. (Ashenhurst-ONT).

SRI LANKA: VOA-Colombo, 15150, f/d Capitol card in 1 week. No rp. V/s Joanne Beason. (Overcamp-SC).

SWEDEN: R. Sweden, 15305, f/d map card, blue/gold pennant, Saturday Show poster, sked, info and SCDXers bulletin in 113 days for 1 IRC. (Halbach-NE); f/d map card and sked in 6 weeks. No rp. (Koenig-NJ).

SWITZERLAND: SBC, 6135, f/d "Collegiate Church" card in 41 days for 2 IRC's. Sorry, no pennants! (Knoll-MN); f/d "Cathedral Tower" card in 4 weeks. No rp. (Koenig-NJ); "Tenga Church" card in 40 days. No rp. (Meehan-CT): 6165, "Old Bridge" card in 6 weeks. No rp. V/s J.A. Chisholm. (Wootten-ITALY): 15140, f/d "Carnival of Basle" card in 22 days for 1 IRC. Sked received in 15 days. (Brindle-PA).

Red Cross Broadcasting Svc, 7210, letter w/freq and date, sked and booklet in 40 days, air. No rp. (Schpelliti-MA).



إذاعة صوت  
اليمن (البريد الجوي)  
السعيدة.



PEOPLE'S DEMOCRATIC  
REPUBLIC OF YEMEN  
BROADCASTING SERVICE

FREQ. 11770 KHZ POWER 100 KW

DEAR Mr: Samuel L. Barto.

Your Reception Report of the 26 December, 1975, has been checked and found correct/incorrect.

Remarks I thank you for your reception report.

73'S

Abdulaziz Guaidi.  
Signature

THAILAND: R. Thailand, 9655, f/d "Orchids" card, sked and tourist info in 127 days for EE rpt and 1 IRC. Power listed as 2.5 kw. (Hardester-CA).

TUNISIA: RTT, 15225, f/d "Sousse Hotel El Hana" card in 4 months for EE rpt on AA prgm. No rp. (Conover-PA): 7275, "Dolls" card in 2 weeks for EE rpt, 2 IRC's, used stamps and postcard. (Moritz-OH).

TURKEY: TRT, 9515, "Phosphorus Bridge" card, books, tourist info, maps and pennant in 1 month for EE rpt. (Moritz-OH); card and sked in 40 days. No rp. (Bishop-MT); f/d card, sked booklet, 5 color brochures and my first pennant for EE rpt and 2 IRC's. (Koenig-NJ); "Karagoz & Hacivat" card w/o time in 32 days. No rp. (Meehan-CT).

TURKS & CAICOS: VS18, 4788, CSL letter in 40 days for EE rpt. No rp. (Hywarren-MAN).

UKRAINIAN SSR: R. Kiev, 7245, letter, card and pennant in 1 1/2 months. Country #46 with a pennant. I'll get 50 yet, hi! (Barto-CT): 7205, f/d "Circles/Triangles" card in 49 days for R. Kiev rpt form. (Cohen-NJ): 7150, f/d card, sked and monitoring sheet in 48 days. No rp. (Bishop-MT).

R. Moscow via Vinnitsa, 7165, f/d "Kalinin Square" card in 25 days. No rp. (Beaudoin-CT). Via Lvov, 7120-African Svc, card in 1 month. (Legge-VA).

UNITED STATES: VOA, 6040, "Kennedy Center" card w/date only. No freq or site. Received in 30 days. No rp. V/s G. Jacobs. (Ashenhurst-ONT).

WVW, 10000, f/d card and brief chronology of N.S.B. in 6 days. No rp. (Knoll-MN); card in 7 weeks. No rp. (Brown-MI).

AFRTS, 15330, f/d Dept of Defense card, sked and info in 21 days. No rp. (Knoll-MN): 11790-National Public Radio, usual AFRTS card in 10 days. No rp. (Halbach-NE).

WINE, 11775, f/d card in 41 days. (Sarrazin-CO).

WYFR, 11805, f/d Mike card in 11 days for 13¢ stamp which was not used, at least not on my verie. (Conrad-IA): 9525, f/d Mike card in 30 days for 13¢ stamp. (Conover-PA): 5985, gray card w/red call letters and sked in 40 days for 1 IRC. (Ashenhurst-ONT).

UZBEK SSR: R. Tashkent, 4850, They verified for the Russian language Home Svc! This is the first time I can recall the "SSR verifying their Home Svc! Two page letter from Dilorom Karimova accompanied the QSL. (Barto-CT).

VATICAN: Vatican Radio, 5995, f/d "Garden" card in 13 days w/apology for not having the requested "Sistine Chapel" card. (Meehan-CT): 11725/11740, f/d "Garden" and "Cross Antenna" cards in 12 days for EE rpts on the Pope's Midnight Mass and Easter Mass and message to the world. (Poppin-CA).

VENEZUELA: R. Juventud, 4900, f/d card in 21 days for 1 IRC. (Hall-NY). R. Turismo, 6180, letter and postcards in 7 weeks. V/s Antonio J. Garcia. (Barto-CT).

R. Rumbos, 4970, f/d "Oyster" card in 66 days for SS rpt and 1 IRC. (Hall-NY); f/d "Village" card in 1 1/2 months for SS rpt. No rp. (Hywarren-MAN).

R. Yracuay, 4940, "Cadena Venesolana" map card w/o time in 16 days for SPEEDX trilingual form, postcard and 2 IRC's. V/s Jaime Romero. (Meehan-CT).

Ecos del Torbes, 4980, letter and pennant in 2 months for SS rpt. V/s E. Gonzalez Guerrero. (Barto-CT); f/d SS letter and a pennant with my name typed on it in 147 days for SS rpt and 2 IRC's. (Carr-IL); f/d SS letter and attractive pennant with my name on it in 141 days. No rp. (Schulman-NY); f/d letter in 10 weeks. No rp. (Legge-VA).

YVTO, 6100, f/d "Observatory" card in 2 months for SS rpt. No rp. (Hywarren-MAN).

YREK (PDR): Aden Radio, 7190, pink "Antenna" card w/o time and 10 postage stamps in 101 days for AA rpt. No rp. V/s Abdulsis Guaidi. (Carr-IL).

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#### "ODDS & ENDS"

**PENNANT FEVER:** Don Rojewski, Tacoma, WA, received a letter from R. Kiev stating that they send a pennant for 5 rpts. Five correct rpts on the NA Svc are required by R. Moscow for a pennant too according to the info in the May FRENEX from Gary Biasini, Edmonton, ALTA, Canada. But why go to all that trouble? Just wait for one. Dan McCarthy, New Whiteland, IN writes that RadFrance International sent him a blue/white pennant seemingly for no reason at all! Just "out of the air"! Of course, don't wait too long.

**DON'T GIVE UP, HENRY!** In the April FRENEX we printed a letter that Henry Reckwood, St. Clairsville, OH received from R. Moscow concerning his attempt to verify their RR xmsn. The heartrending saga continues... "Further adventures of me and R. Moscow. I again sent a rpt on a RR xmsn. This time I taped the thing and had a translation done by a RR instructor at the local university for which I had to pay \$5.00. I received a card from R. Moscow- "We cannot verify your reception because you did not include details of the transmission in the language heard" (the underlining appeared on the card). And I had to pay \$5.00 for the translation! If I ever get to Moscow..." We better stop there and wait for the next chapter. Write again, Henry.

**FOREIGN LANGUAGE FORMS:** One of the reasons that Sam Barto has such great success with verifications is his use of "personalized" foreign language rpt forms. He designed these forms from the translations on the NASWA forms and the finished product has to be seen to be really appreciated. If you are interested in seeing what can be done with a little initiative, send a SASE to Sam and he'll return a sample of his form, either PP, SS, II, FF or even EE. I believe you can choose any one of them. If you'd like to have all of them, put 24¢ on the envelope, please, as these forms are fairly large. Address: Samuel L. Barto, 245 Cherry Ave. J-11, Watertown, Conn.

#### Verification Card

Dear *Bill Guendreau*,

We thank you for your reception report and keen interest in our programmes.

We are pleased to verify that you heard Radio Pyongyang from 1950 to 2000 on 8420 kHz on Jan 28 1976.

Your valuable opinions on our programmes will always be very much appreciated.

Yours sincerely,

Korean Central Broadcasting  
Committee, Pyongyang, D.P.R.K.

from  
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And that's it  
for this month.  
Thanks for the  
material. Keep  
smiling (and try  
Polish Radio!  
You'll smile more!)

*Bill*

# Listener's

EDITOR: GLENN HAUSER  
WUOT, UNIV OF TN  
232 G & E BLDG  
KNOXVILLE TN 37916



# Notebook

**HOW AND WHAT TO REPORT TO LN** We're not particular on the format of your report--letter or card, one side or both, typed or (legibly?) handwritten. But please do not slice your items into little strips. We don't use the paste-up method and this makes them easy to lose. Always welcome are copies (or originals) of transmission and program schedules for all stations. However, sometimes only changes or new info will be published, in extracts. Please enclose a SASE if material is to be returned. Routine DX loggings involving one frequency should go to LR, not LN. In this column, all times and days/dates are GMT--none of this "times are GMT, but days are local" stuff which can only confuse. Because of the swiftly changing SWBC scene, dates should always be given; also original source if you are forwarding info from a DX program or other club. Light editing to conserve space is the rule. Just as we make every effort to credit the original (and intermediary) sources, others lifting material from this column are expected to do the same. BECMS material is copyright and may not be further reproduced without permission from them. Thanks to all contributors!

**ALBANIA** R Tirana on two adjacent frequencies, 9745 & 9750 with separate transmitters at different strengths and with different instants of switch-off, Spanish to IAm 0230-0255 // 7308 (drift from nom. 7300). 9750 was louder. (Richard E. Wood, Garden City, NY)

**ANGOLA** RNA on new oob (out of band) 5850 0500-2400 lower-powered; also, Estação Regional do Lobito's notoriously unstable xatr on 4175 (Richard Ginbey, Vanderbiltpark, Saf, SCDX 5/04)

**AUSTRALIA** R Australia operates feeders to Carnarvon on 9210 and 9450 at 1430-1730 and 1800-2230 (BBC World Radio Club 5/19) 9210 was an UNID of mine (gh) 9450 is Lyndhurst, beamed 287° as backup (Padula, ADXN 4/76) Primary being microwave link, I assume (gh)

**BOLIVIA** 3390, R. Camargo, Camargo, Chuquisaca, now regular 2245-0300 incl. Suns. 3488, R Alfonso Padilla Vega, seems fairly settled on this freq. 2230-0200. 4467, R. Movina regular to 0300\*; 4600-06v, Mamoré Rñif. daily to 0200\* or 0230\*, seems owned by religious order the pgs don't indicate. as anor at s/off sometimes give name as "Hermano (brother) ...." 4718, R. Riberalta back here 4/28 after a week on 4700, ex-4730; nom. 4775. 4775, Rñif. Tropicó, Trinidad, \*1000, Loyola relay Sun 1030 // 5995; much relig. pgs. At s/on cñmas its MW 1000 kHz is equivalent to 227m: 4809, LV de la Frontera, Puerto Suárez, irreg., noted first few days of April, then nothing to 4/25; gone again 4/26-29. 4875, La Cruz del Sur, daily to 0200\* 4980, R. Juan XXIII (Veintitrés -gh), 1000-1630. 2230-0130; Sun 1200-1630. 5006, R. Universo, 1000-0430 Mon-Sat; 1100-0300? Sun. 5121, R. Juan XXIII, sometimes peeps thru QRM during last 45 mins of xmas, 0230-0315; location unknown; as if the utes were not enough, the stn uses multi-echo IDs (Tony Jones, nr Asunción, Paraguay, NU 5/8)

**CANADA** Not so sked, but Armed Forces Service attributed to RC1 rather than CBC in mid-May, and following English 2200-2230, stayed on in French, on 11855 (gh)

**COLOMBIA** La Voz Comunal de la Sabana is an unauthorized stn on approx. 3205, heard in Quito around 0200; location probably Tuguerres, Depto. Nariño, judging from local ads, but IDs are rare (Henrik Klesnets, Tvärålund, Sweden. SCDX 4/13) Highly reliable source (gh)

**CONGO** French QSL received 4/29 gives this sked, differing somewhat from WRTVH76, for RTVC: 0430-0700 on 3232 6115 4765; 0700-1700 on 3232 4725 7175 9610; 1030-1400 on 15190; 1700-2300 on 3232 4765 9715 15190. 4kW on 3232 4795; 25kW on 7175; 50kW on 4765 6115 9610 9715 15190 (Charles H. Brunner, Jr., Salford PA)

**COSTA RICA** Per San José newspaper 'La Nación' a new stn. R. Ellas, operating on 1120 kHz was inaugurated 4/14, using the slogan "La Radio Femenina de Costa Rica" (BBCMS 4/29) This is the former R. Capital, also on SW 4832, and confirms our observation of 4/11. However, cf DXH for further info: these are commonly owned along with R. Reloj (gh)

**CHILE** The manager of R. Balmaceda, a station opposing the military government, has been arrested and will be exiled. Belisario Velasco was nabbed after he appealed the six-day closing of R. Balmaceda in court. The station was operated by the Christian Democratic party and had suffered previous government closings. The Radio Broadcasters Assn. of Chile called the shutdown an act against freedom of speech... (Variety, 3/30 via Walcutt)

**ETHIOPIA** ETLF J76 (May-Sept) sked: non-dir 4905 and 6015 at 0300-0530; 1600-1700 6015. To E Arab/Iran 15400 11890 at 1430-1645; N India 1315-1500 11885; S India 1315-1415 15250; to Madagascar 0300-0400 9525 and 1500-1600 15235; EAF/Saf 0315-0430 7165, 1700-1915 9705 7145; ZaRes 0600-0645 15250; WAF 0515-0615 11800, 1715-2015 11910 15365; W Amb 0430-0600 15250 (HGJB DX Party Line in May)

**GEORGIAN SSR** R Moscow Spanish to Cuba hrd 2330-0200 since 5/9 on 11805; site listed by IPRB as Tbilisi. IPRB also listed 11710 Tbilisi 2200-0400 to Sam. Apparently not on in May, but may be on during June/July (Roger Legge, McLean VA)

**GERMANY WEST** Bayerischer Rundfunk-6085 apparently is continuous (24h) now, with first program at all times except when the Night Programme relays various W German nets: Mon-Fri 2310-0415, Sun 0000-0415, Sat 0000-0445 (BR via BECMS 4/76) The WRTVH76 shows RIAS 6005 uses

Berlin-20kW daytime, and München-100kW nights, with changeover times varying seasonally. RIAS per BBCMS 4/76 shows just the opposite; Berlin-20kW nights, Munich 100kW days: Thus is rumored the confusion over which site is heard when. Hope this helps. hl (gh)

**LEBANON** RL noted with Arabic 2300-2354w on new 11785 (David Kernick, Prescott, England)

**MEXICO** R Mexico is to introduce shortly a 15-min broadcast of news and political talks beamed to Chile daily at 0001 (BBCMS 4/29) At 0145; see Program news; BBCMS never gives mid-night as 0000, but instead 0001, apparently believing there is no such time as 0000: (gh)

**MOZAMBIQUE** Beira noted on new 4815 (BBCMS EAF station, on WRC 5/19)

**PAKISTAN** 4736 is new for Karachi HS; noted 1720-1811\* (Anker Petersen, Denmark, DSWCI 3/21) Also at 0110 3/8 (Kernick, DSWCI) **RSFSR ASIATIC**; see USSR below, oops.

**ROMANIA** R Bucharest has replaced Yiddish with Rumanian at 0230-0300, noted on 5990 6190 9570. Coincides with decline in Yiddish-speaking population in NAm and emigration of many of the Jews formerly resident in Rumania (Richard E Wood, Garden City LINY)

**SA'UDI ARABIA** SABS Jiddah Swahili to EAF 1600-1655 now on 21520 ex 11855 (BBCMS 4/29) On new 21530 ex-21520. I wonder how many Af listeners have 13m rx? Koran pgm from Riyadh on new 15245 at 1655 (David Kernick, Prescott, England, Mersseyside, Eam, UKOGBANI)

**SEYCHELLES** FEBA on new 9665 ex-9530 1655-1900 // 11810 to 1800. 1700-1730 Farsi, 1730-1800 English Sun/Tue/Thu/Sat; 1800-1900 Arabic; also with test xmen 0947 on 15270 (David Kernick)

**SICILY** Caltanissetta ceases to relay the All-Night program at midnight GMT and Rome commences broadcasting the program at that time, both on 6060 kHz, per a personal visit to Rome and a subsequently received card (A. W. Brooks, Oakdale CT, SPEEDX 5/76) This one isn't licked yet; it probably changes to 2300 during the period Italy is on DST.... (gh)

**SWITZERLAND** (Cf Mar LN-3) ICRC tests are at 2300-2400 (NHK DX 5/16) That's how it was before; I'm not sure now which is correct--this or 2200-2300, as I always forgot to check! (gh)

**TURKISH SSR** IPRB lists 15185 at 1000-1600 as Ashkhabad; Heard 1130-1230 with R Moscow in SAs langs, also 1230 RP&P English. IPRB also lists Ashkhabad on 11930 at 2200-0330 to SAm. Not hrd in May but probably on from 6/1 with R Moscow Port and Spanish; was last summer (Roger Leggs, McLean VA)

**USSR (RSFSR ASIATIC, actually)** The "Kamchatka Radio" group from Petropavlovsk has moved; now on 7100 at 1700-2030; 7160 1630-2100; 9710 1700-2030; 12010 1700-2030. Same program format except R. Station Pacific Ocean is back to the hour-long format at 1900-2000 Wed/Fri/Sun Nikolayevsk 9690 has moved to 9725 at 0000-0700. But what are they going to do when Yakutsk decides it is summer and wants to use the channel? Behr's HS on 9600 is Magadan ex-12240 (Bill Davis, Laguna Niguel CA, 5/1) There goes another distinctive out-of-bander (gh) v. Eng

**UNIDENTIFIED R. Bonanza** believed from CAM on approx. 9500 noted at 1800 (Rodrigo Trivino Escobar, Palmyra-Valle, Colombia, SCDX 5/4) Most unIDs in SCDX are the result of inadequate experience or references, but this one might prove interesting.... (gh)

### The Situation (This section is being phased out as clandestine clarifies)

**CAMBODIA** Democratic Cambodian Radio had special extend pgm 4/14-17 commemorating anniversary of liberation, announced as 2200-0200, 0400-0600, 0900-1600; back to normal sked after 4/18 (Isao Ugusa, Kobe, Japan)

**LAOS** UNID Lao sta hrd as early as 1030 to 1400\* on 6215v ex-6990v; Meo at 1100-1130 and 1330-1400, other times in Lao. "Regional Bc Stn from Long Chleng" is my tentative ID (Ugusa)

**PHILIPPINES** R Veritas now to SAs 0000-0200 on 11725, 50kw, 15280, 100kw; also 1300-1500 on 11725, 50 and 11875, 100. 11875 also used // 11725 1330-1900 to Indo/Viet. Have recommended 100kw on 25m and moving 50kw to 19m (G Victor Goonstilleke, Sri Lanka, NU 5/15)

**VIETNAM** Dai Phat-thanh Vlet Bac (ex-Dai Phat-thanh Khu Tu-tri Viet Bac), that is, formerly Vlet Bac Autonomous Bc Stn, now simply as R Vlet Bac, gives good reception on 6715v at \*1125-1400\* (Isao Ugusa, Kobe, Japan)

**Clandestine Cranny AUSTRALASIA** Japanese paper "Yomiuri Shimbun" reports new Malay clandestine called "Voice of Malayan People" opened in April. This station, operated by Soviet-oriented Marxism-Leninism Party, and the Chinese CP-oriented "V. of Malayan Revolution" both broadcast scathing attacks on each other (Isao Ugusa, Japan) Voice of Burmese People, nothing hrd on 6310v. 1330-1430 contrary to Ugusa, perhaps off now; however 0100-0200, 1200-1300 still on old 5110v (Victor Goonstilleke, Sri Lanka, NU 5/15) Some background to the New Hebrides situation, gleaned from "New Hebrides News" and from personal knowledge, from 4 months in Vila in mid-1974: The 7120 and 3975 station is Radio Vanafu (not Tanabu or Canabu as reported previously -gh) The Na-gramel federation is based at Vanafu, Santo, and is a very vocal political group but with minority popular support only. The group runs aful of majority indigenous support on two basic issues (1) the election of traditional 'custom' chiefs to the new representative assembly; their leader, Jimmy Stephens is part English, part Tongan; not acceptable. (11) land tenure - their deal with two American land developers trying to secure an ability to deliver title to unfortunate land buyers is deplored. The two are prevented from delivering title by the present restrictive joint British/French land laws. Their desires might ultimately run to casinos, etc., but land titles would do for starters! Their financial support has no doubt provided R. Vanafu, in fact, has rigs brought in from Honolulu made to order for 3975 and 7120. Na-gramel's declaration of independence for Santo and other northern islands is a bit of a stunt and shouldn't be taken too seriously in political terms. However R. Vanafu no doubt enhances their credibility. The problem is 'how to close it down.' A few British and French police could do it quickly, but bearing in mind their determination to act only in concert in the delicate indigenous political situations, and Na-gramel's hatred of one, but tolerance of the other, how do two of the world's great powers combined in the most complex and

(MORE DRAVNY) cumbersome administration yet favored by man deal with flea-powered R. Vannafo? I'd say it's a rather sticky wicket, non? (Robert Yeo, Doncaster, Victoria, NU 4/24) Radio Canaba (sic) has moved to 3952, running as late as 1114\*: QRAs Vila 3945 except when latter is silent Sat/Sun (Arthur Cushen, Invercargill NZ, via BBC World Radio Club 5/12) TINOR: (cf May LN-3) "Ramelau" name was originally common property but the song has passed to Fretelin now by default. Anybody might have used it as part of a slogan before 12/8 but being lazy I automatically coupled it with Fretelin for all times. Sorry. My news about Indo, navy support comes from an adequate but not perfect source in Jakarta. It would make sense if stn was moved to Dfl as some stage after the town came under firm Indo control the I heard no denials of claim that R. Dfl started off in Kupang. Certainly local informal record dedications on present R. Dfl don't sound like remote control op in Kupang unless a clever black clad, type of operation. On other hand stn does address regional listeners in both halves of island. My DF experiment wasn't 100% reliable but it was done around Darwin on a 40 mile baseline. Finally hrd 'fair strength' RRI pgms on 3385, but don't think I heard any IDs. Assumed it was Kupang, but maybe wrong (John Campbell, Newcastle NSW NU 5/8)

SOUTH ASIA? Pirate on 11725 at 1500 past 1600 heard with badly overmodulated pop instrumental; should make it to Australia (Victor Goonetilleke, Sri Lanka, NU 5/15)

MIDEAST Voice of Oman ("Huna Saut'l Uman" hrd on 6460 at good level at 1500 with Arab chanting (Goonetilleke) Lebanon "Voice of Lebanon", pro-Phalangist has been noted 0600-0900 and 1100-1300, ex- 0600-1300 introduced with 3/11 coup; evening xman opens 1500, but duration not established due to QRM, QSB; on 6580 and 880 kHz. "Voice of Nasirism": Per the Beirut paper "Al-Anwar" 4/22, the Central Info Office of the Nasirite Organization, Union of the People's Working Forces, has announced that its radio, the voice of Arab Nationalism in Lebanon, has begun regular broadcasts after experiments; ahd 0500-1100 and 1400-2200 on 1200 kHz; the station has not been located (BBCMS 4/29) Four separate nets are being operated by the contending factions in the civil war. The Government under Pres. Franjleh operates Beirut on MW 836 // 5980 0400-1000 and on 9545 1000-1600. Arabic only heard. The Military Governor General Ahdab and his forces have captured and activated the 10 kW standby xtr on 836, interfering with the Government controlled MW xtr, and the transmitter on 989 kHz. News in French 0530 1130 1730; elsewher in Arabic. A Voice of Christian Lebanon is on an unknown freq, and the Voice of Palestine on 1515 kHz 1700-1900 in Arabic. The three FM outlets seem to be off the air (Berd Bluman, Tel Aviv, Israel, via SCDX 4/27)

EUROPE pirates A stn with continuous pop mx was noted 4/28 only on 6220 at 1930-2230; Italian (?) ID every 20 mins sounded like "Radio Milano" (David Kernick, UKOGBANI) See F. PLANS

Future Plans EUROPE pirates R. City says it will be back on the air shortly after about 2 1/2 years. Old freq. was 6240 but predicts 6225, 6260 or 6270. Sundays.

probably 1000-1100. Another ex-MW stn predicting SW use is London Music Radio. Most similar predictions lead nowhere but this may be worth noting because they say they'll use 500 watts (John Campbell, Newcastle NSW, who has verified 50 European SW hobby pirates from Eu)

TRANSKEI will be a new radio country in the near future. Paramount Chief Kaiser Matanzima, Chief Minister of the Transkei, has stated that they will have their own broadcasting organization sometime after independence, 10/26/76. The new radio station, completely independent of the SABC, will be based at the capital, Umtata (Richard Ginbey, Vanderbiltpark, Transvaal, South Africa, SCDX 4/27) With the new measures introduced by the S.Af govt that would make Transkei residents and tribesmen "aliens" in RSA, and take away their RSA citizenship, the Transkei could be considered another Lesotho (if the RSA govt doesn't back down on measures). (Pitt McNeill, Washington DC)

SWEDEN Nordic stations have come to an agreement to ease programming conflicts come September. Radio Sweden will move its 2030 English program to 2100 due to Radio Finland (qv) (gh)

SRI LANKA Govt has granted another 5-year extension of VOA-Colombo contract which expires this May, so VOA will go on. Present govt, supposed to be anti-American so VOA will go on for many years unless there is a Communist takeover which is impossible if democratic election procedure continues. (Victor Goonetilleke, Sri Lanka NU 5/15)

SEYCHELLES FEBA will be using 5995 kHz 0030-0230 as soon as the new reef aerial is operational (R. Ram Mohan, Bangarpet, India, SCDX 4/27) A reef aerial is one built on a reef: gh

NIGERIA The Nigerian Govt. is to establish broadcasting stations in all States of the Federation and NBC will replace existing xtrs to ensure better reception (BBCMS 4/29)

MONTERRAT IFRB Weekly Circular lists 5995 on 50 kw at 0030-0315 to WI/CMA, so apparently xtr is under construction here (Roger Legge, McLean VA 5/12) But BBC-5995 Portuguese to 0015 seems to be from VOA-Greenville site (gh)

GERMANY WEST DW is considering takeover of the Esperanto broadcast now on RAI Sundays 2000-2020. Expressions of interest in this initiative should go to Intendant Walter Stelgner, DW, D-5 Koln 1, Postfach 100 444, BRD (Richard E Wood, Garden City NY) Richard is pushing this because timing and reception from Rome are unfavorable (gh)

FINLAND R Finland will retune two of its English programs come September to alleviate long standing timing conflicts with R Sweden (qv), following a recently-concluded Nordic broadcasting agreement: 1400 moves to 1330; 1830 to 1730 (SCDX 5/19 via gh)

ECUADOR Sometime in late 1977 a ship will leave the port of Miami; in its hold will be a new missionary that will Herald Christ Jesus' Blessings to the hard-to-reach corners of the earth --500,000 watts para la gloria de Dios--for the glory of God! (HCJB Radio Log April-June 76) Or, at least, the god conceived by the W.R.M.F.... (gh)

DENMARK The curtain antennas dismantled in Feb 1975 will be replaced by a log-periodic and a new station with two 500 kw xtrs (R. Denmark, via SCDX 5/19 via gh) Maybe English too?

CZECHOSLOVAKIA Per Slovakian papers, USSR will provide 4 x 250 kw xtrs between 1976 and 1980 for R. Prague external services (Andy Gulp, Vinné, Czechoslovakia SCDX 4/13)

(MORE FUTURE PLANS) BRAZIL I have heard that RNB will probably cancel plans for installing masses of xmters in various obscure parts of the country. Probably, they will have a couple of 250kw rigs at Brasilia (Parque Rodador), and use these for both internal and overseas service. It is also possible that RNB will start employing one of these 250 kw'ers on a 60 meter wavelength for LA coverage. Also, watch the SW scene in Rio for power increases. (Don Moore, Michigan, GLDXA Newsmemo 4/23)

ANTIGUA IFRB Weekly Circular lists projected frequencies as 6010 6085 6175 9545 9590 9765 11765 11810 (Roger Legge, McLean VA)

**Broadcasts in English** AFGHANISTAN Letter arriving 4/14 gave sked as 1130-1200 on 15195 and 1400-1430 on 3285 ex-4775 (John Moritz, Youngstown OH)

BANGLADESH R. Bangladesh at 1230 on new 15268 (BBCWRG 5/19) At 0450 on new 15405 (Kernick)

BOLIVIA La Cruz del Sur 4875 has English Mondays 0130-0200 (Tony Jones, Paraguay, NU 5/8)

BELGIUM R Sofia with new (not retired) pgm to Africa/Asia 2205-2230 9560 (David Kernick)

CANADA CBC Armed Forces Service heard in Europe at 1630 on 16840 (TWR DX 5/1 via gh; could be a feeder, the erroneous report quite possible from this source) The plans to change the format of the 0400-0600 pgm did not materialize. Before the J76 season even got underway the 6145 channel at 0620-0800 (alternating w/French) was changed to 6140 (RCI 5/1). Another change as of 5/26 is the S Pacific pgm at 1000-1100, 9625 to 9570 due to QRM (RCI 5/22) Not stated was the source of QRM; CBC Northern Service also on 9625! I suspect that whoever decided to retire the S Pac pgm failed to take the CBC NS into account (gh)

COSTA RICA TIPC has English at 0320 weekdays; 0300 Sat and Sun, on 6035 9645 (Bill Breeden, MS, SPREDX 5/76) I assume he actually means 0320 Tue-Sat; 0300 Sun and Mon GMT (gh)

CUBA RHC using new 17885 ex-11865 to Europe 2010-2140 (David Kernick) as most summers (gh)

CZECHOSLOVAKIA R Prague from an undated but seemingly summer-76, pungent sked: Afro-Asian Svc, 1530-1625 6055 and 15110 to Eu; 5930 7345 to SEAs; 9605 17840 unspecified; 11990 also to SEAs. 1730-1825 5930 7345 9605 11990 17840. Asian-Pacific Svc: 0730-0800 repeated 0830-0900(Sat/Sun-0930) 15415; 11855 to Au/NZ; 21700 also to Af. At 1430-1457; 5930 7345 9605 11990 15110 17840. GB & Eire: 1630-1657 on 5930 7345; 1900-1927 on same plus 7245 beamed to eastern Mediterranean; 2000-2027 on 5930 7345; 2130-2200 1286 6055. Nam: 0100-0157 and 0300-0357 5930 7345 9540 9630 9740. Interprograms includes English at 145 past the hour between 0630 and 1200 on 6055 and 9505; and to Nam 0030-0055 on 6055 9740. (via John Kleinerman, Cockeysville MD, ex-Knoxville TN)

FINLAND Sked in May LN-7 was planned far in advance; actually, R. Finland later issued a partial J76 sked valid to July 4 only--will that be the date the 250kw rig comes on? Most importantly, unlike previous summers, the evening Nam pgm is shown staying at 0300-0330, on 9550, instead of moving to 2300 on 15185. Other 100kw pgms remain at 1400-1430, 1830-1900 on 15110, dual 15 kw on 11755; and at 2030-2100 100kw on 9550 or 9560; and 11755 15 kw (via Mac Leonhardt, Richmond IN)

GREECE Recent EPT sked shows news to Nam at 0015-0030, 0215-0230 on 9760; 1215-1230, 1515-1530 on 15345 (John Moritz Jr., Youngstown OH) EPT is Greek; ERT is Roman. (gh)

KOREA SOUTH KBS 'temporary' sked from April may be outdated now, but shows American svc at 0500-0530, 0900-0930 on 11860 11850 9640 7150; Lm 1100-1130 on 11860 11850 9640. The old 9600 freq, formerly // 9640 shows English only in SEAs via 1430-1500 (Moritz, OH) R. Korea noted with English at new time 1800 on 11860 (David Kernick) A new sked shows 8 half-hour English pgms daily at 0200 0400 1000 1130 1530 1800 2100 2300, all on 11860 9640 9600 7150 (An April NHK DX pgm via gh; sorry, taped it but didn't note date) and Jim Davis, Travis CA)

KUWAIT RK replaced 11940 with 11845 for 1700-2000, // 9555 (David Kernick, Prescott UKOGBANI)

NORWAY R Norway J76 to Nam (only), with English as usual Sundays (into Mondays GMT) only:  
 1400-1430 15175 2750 2200-2230 15175 275 0200-0230 9645 290 0400-0430 11870 330  
 1600-1630 15175 315 0000-0030 9645 290 11860 275 0600-0630 11870 330  
 17800 290 11860 290 0400-0430 9645 330 (via Tom Overcamp,  
 1800-1830 15175 330 15175 255 11860 290 Seneca SC)

NEW ZEALAND RNZ has left SW with its external service as of the morning of 5/1. A 5/2 R. Australia report said the ES was sponsored by a government grant which ran out (Neil Schulman, Brooklyn NY) Apparently the decision was made rather hurriedly the previous week (Jack Conover) See May FRENCH-34 and mid-May DXH. The news I heard on RA, 5/2 0509 said the annual cost had been NZ\$ 1 million; and that "Now Is The Hour" was the final musical piece aired (gh) NZDXRL and all its branches has protested and everybody is urged to write a letter of protest to get the ES back on the air. Write to The Minister of Foreign Affairs, House of Representatives, Wellington NZ (P. Hans, Woodcliff Lake NJ, from SCDX 5/11) Maybe they could purchase the old VOA-Hawaii 100kw xmters, for a song (Jim Conrad Waterloo IA) Possibly the Antarctic service is still on SW, and funded likewise, or if not, try for this (gh) Faint harmonic of Auckland's IXI, hrd about 1430, intermittently on good days, as 4/4 on 3180, 2 x 1590 (John Campbell, Newcastle NSW, Australia, NU 5/1)

POLAND PR J/876 shows no changes in Eng to Nam 0200-0355 mix Polish; only meter bands for other English outsendings (via Mac Leonhardt, IN and Larry Talbot, WI)

PORTUGAL RF announced that from 4/26 1400-1430 to India/NE would be on 21495 only. 17905 is discontinued (BBCMS 4/29) I thought it was 17895! (gh)

SWAZILAND Swaziland Commercial Radio new sked from 4/2 for International Service: 0600-0800 on 4980, 1630-1700 and from 1800 (Suns 1900-) -2030/2045 or 2100 on 3223. SBA Music Radio (partly in English -gh) for Indians 0900-1300 Suns on 6155; 1300-1630 on 4980 (Richard Ginbey, South Africa, SCDX 4/20)

SWEDEN RS as from 5/20 changed 15275 to 15120 for EAs at 1230-1300 (SCDX 5/19 via gh)

(MORE ENGLISH) USA. Jim Spokane WA, hrd on 1300. 12:10 very distorted but extremely strong, 4/21; on three different radios and antennas. Called the station, and their reaction was indifferent, but 45min later, they abruptly disappeared. No other harmonic third 11th found here (Jim Young, Wrightwood CA. in TDH) Looks like you guaranteed yourself an exclusive DX catch by calling them, Jim (gh) WYFR has quit sending its complete frequency sked to US addressees, but instead for Americas only, J76: Sun 1230-1400 11705 15175 17730: rest daily: 0100-0200 on 9525; 0200-0300 9525 11720; 0300-0500 9525 5985. The slow English segments have been moved from many :45s in English services to :50s in other language services, except for 0340 (gh)

USSR R. Moscow changed to summer sked 4/23 and made additional changes on M/M/LAM services on 5/9. European xatrs on R. Moscow Eng to M/M from 5/9 observed as follows, with R. Moscow designation of location, followed by believed actual site in brackets:

11870 Kaunas (Sofia, Bulgaria)	2300-0300	9720 Kengs (Nikolayev)	2300-0500
11850 Vinnitsa (Simferopol')	2300-0200	9700 Moscow (Sofia, Bulgaria)	0130-0400
11770 Kiev (Simferopol')	2300-2430	9685 Moscow (Simferopol')	0130-0500
11750 L'vov (Plovdiv, Bulgaria)	2300-2430	9655 Orsha (Nikolayev)	2300-0500
11735 Vinnitsa (Simferopol')	2300-0200	9530 Moscow (Plovdiv, Bulgaria)	0100-0500
		9500 Moscow (Simferopol')	0230-0500

R. Kiev observed 0030-0100 on 11735 11850, 0300-0330 on 7150 7205. R. Vilnius (Sat/Sun) at 2230-2300 on 9655 9720 9745 11770 11900: (Sun/Mon) 0030-0100 on 9655 9720 11770 (Roger Legge) On 4/24, sites and frequencies were shuffled in the Soviet Far East. Here is the current F# to M/M use (including non-English -gh) -0630 Wed/Fri/Sat/Sun-11870 Nikolayevsk 0300-0730 17720 Petropavlovsk 2200-0300 (15210 to 12020 at 0500) 11720 Petropavlovsk 0400-0730 (to 9710 at 0330) 15100 Vladivostok 2300-0730 11690 Bagoveshchensk 0300-0730 15245 Petropavlovsk 2200-0330 12050 Petropavlovsk 2200-0730 9710 Petropavlovsk 0330-0730 (to 11720 at 0400) 12020 Petropavlovsk 0500-0730 9635 Khabarovsk 2100-0730 15210 Petropavlovsk 2200-0430 12000 Nikolayevsk 0300-0730 (Bill Davis CA, who adds: I missed mentioning last time that Khabarovsk-9635 also carries Kiev English 0300. They'd better, because it appears to be the feed link to Petropavlovsk: 6020 too, hrd after 0700.

YEMEN NORTH R. Sanaa noted with English lesson of readings from "Around the World in 80 Days" Fridays 1630-1646 on 9780. (David Kernick, Prescott, Merseyside, England, UKOGBANI) SCX 5/4)

ZAMBIA RZ's ES Suns 0555-0715 now entirely in English. 7235 and 11880 (Richard Glnbey, RSA/

**Program News UKOGBANI** Inclosed with recent BBC sked was a letter from E.M.O. Williams stating that BBC will no longer accept requests for "London Calling" due to economic conditions. "In fact we are having to reduce the numbers of copies of L.C. in distribution." Looks like no new members on the mailing list, and what about those already receiving it? (John Moritz, Jr, Youngstown OH) Bad news, as no other station provides such a fine, free, programme guide. To be safe, here are some June and July highlights: Theatre of the Air Sat 1830, Sun 0030, 1130; June 12, Play It Again, Sam, by Woody Allen; 6/19 The Man, by Mel Binelli; 6/26 The Devil's Disciple by Bernard Shaw; 7/3 Mr. Fox and Mr. First, by Fay Weldon. Radio Theatre Sun 1900, Thu 0030, 1345; 6/6 Secret Worship; 6/13 The Genesis of Fire; 6/20 The Empty Sleeve, all by Algernon Blackwood; 6/27 Ladybird, Ladybird, by John D. Vincent; 7/4 Star Quality, by Noël Coward. An original 7-part serial, Room 504 runs 6/5 - 7/17 Sat 1130, Mon 1615, Tue 2330. Documentary Not Proven--The End of the Romans 7/5 Mon 0945 1345, Fri 0030. The World Around Us, Sat 0030, Sun 1709, Tue 1130, this month has 4 programs marking Two Hundred Years of the US: Planning for People, on new towns 7/3 and 7/10. Candidates for Greatness returns this month Mon 2030, Wed 1430, Thu 0230, assessing Nkrumah, Nehru, Khrushchev and John XVIII; followed 7/5 by Painting Your Face on harmfulness of cosmetics. More Things in Heaven and Earth this month Mon 0145, 1115; Fri 0815, 1730 examines fringe areas of science. Ways Laymen can understand science in It's All in the Writing, Sun 2145, Tue 0215, 0815, Fri 1115. (BBC via gh)

TURKEY VOT highlights, I hope current: Sun 2245-2300 Let's Stroll Around Turkey and Learn Turkish; Mon 2305-2400 From Anatolia with Love; Tue 2215-2230 and Wed 0015-0030 A Turkish Story; Wed 2215-2230 and Thu 0015-0030, 50 Years of Turkish Foreign Policy; Wed 2245-2300 Turks and their Entertainment; Fri 2245-2300 Turkish Traditional Music; Sat 2215-2230 and Sun 0015-0030 Letter Box. (undated extract from VOT sked via John Kleinerman, Cockeysville)

SRI LANKA SLBC has interesting lineup: 0145 "Back to the Bible" then BBCWS news at 0200 on 15425 5/14 (Pitt McNeill, Washington DC) Best of both worlds, hl (gh)

MEXICO On 5/1 R. Mexico retimed some of its pgms: The following sked is now observed: 0100-0115 En Un Dia Como Hoy -- "this day in history" 0215-0245? (fades out here before s/off, but believe to 0245-0300 N) 0115-0145 Musica Entre los Puestos de America -- Radio Correo del Aire -- music and listeners' letters. (E. J. Whitehead, Reading MA) A nice piece of original research I'd welcome more of for this section: (gh)

HUNGARY A potentially interesting program from R. Budapest is Backgrounds, week of 6/19-24 on The Beauty of the Spoken Word--Hungarian poetry and its links with music, sked: Sat 1042, 2142; Sun 0212, Mon 0305, Wed 1224, Thu 0312 (R. Budapest sked via gh)

GAMBIA QSL dated 4/8 enclosed sked not indicating termination of service; weekdays 0625 Call Sign, 0627 Programme Parade, 0630 Recitations from the Holy Koran, 0700 World and National News, 0730 News of the African World, 0735 Our Music, 0800 close. Sat sked changes at 0735 Commonwealth This Week, 0740 Our Music, 0800 Housewife's Notebook, 0830 Children's Half Hour (incorporating Lebone and Ntaling taling), 0900 close. Sun opens at 0825 Call Sign, 0827 Programme Parade, 0830 Morning Prayers and Hymns, 0910 Listeners Choice .. and runs to 1400 (all of which is lost in D-layer absorption -gh) (Tom Overcamp Seneca SC)

(MORE PROGRAM NEWS) EGYPT Undated NAM svc sked from R. Calro: 0250 Life in Egypt  
Daily (via John Klein- 0225 Palestine Land & 0300 or Mike Visit  
 0200 ID erman, MD) People Thursday Saturday  
 0202 Egyptian Music 0240 Egyptian Novel 0205 Sports 0205 Spirit of Islam  
 0210 Egyptian Song 0250 The Arab World 0225 Other Side of 0225 Point of View  
 0215 News 1 0305 Stamp Collectors the Story 0235 Between Cairo  
 0315 News 2 Club 0235 Arab Music and Washington  
 0330 S/off, Anthem Wednesday Ensemble 0245 Listeners Mail  
GMT Mondays 0205 Name Calls from 0245 Listeners Mail Sunday  
 0205 Varied Talks Egypt 0205 Name Calls from  
 0225 Point of View 0225 Spotlights on Egypt 0225 Point of View  
 0235 Egyptian Youth Middle East 0225 US in Egyptian 0235 Eg. Top Hits  
 0245 Listeners Mail 0235 Music 0225 US in Egyptian 0250 Eg. Civilisation  
Tuesdays 0240 Egyptian Music East & West 0235 Music Around 0300 Eg. Diary  
 0205 Name Calls from Egypt 0300 Pop Music, ori: the World 0310 Lat. Am. Music

DOMINICAN REPUBLIC Recent R. Clarin QSL inclosed flyer. 'From Mon to Fri 10:30 (0230 GMT) we broadcast "Clarín International" where we read letters that report our transmissions from all over the world'. (John Moritz, Jr., Youngstown OH)

CHILE (cf LN-11) R. President Balmaceda, occasionally audible on 9590, was reportedly the only station showing any opposition to the present regime. I played a tape of it to a grad journalism student from Chile who reports the station is avoiding 'hard news' and thus no longer airing any serious opposition to the regime. So it looks like editorial dissension by Chilean radio stations has been stifled (Kim Andrew Elliott, Minneapolis MN)

COLOMBIA Changes in the Rdif. Nacional sked in the April LN: Mon-Fri 0945; El ICA Informa: 1500 Novela; 1600 Enciclopedia Musical; 2230; Wed, Música de Portugal; Fri Ventana de España; 2300 Historia del Piano; Tues-Sat 0150 Noticiero Colombiano; 0200 La Primavera y la Música; 0230 Ciencia Ficción; 0300 Historia de la Música; Saturday; 1125 Apertura; 1700 Desde Europa con Melodías; 2330 Revista Musical 76. Sunday: 0230 Compositores Colombianos; 1125 Apertura. This is from an ad in the 5/18 El Tiempo. A CARACOL ad in the 4/19 El Tiempo shows news as follows: Reportero Caracol Gigante (Emisión Nacional) 1135-1200, 1700-1730, 0205-0230; (Emisión Local) 1230-1300, 1730-1800, 0030-0100. Revista de Prensa 1125-1135. News on the half hour every hour 1330-0430. Última Hora Caracol 1215-1230 1815-1830, 0015-0030. Reportero Caracol 1200-1205, 1800-1805, 0000-0005, 0200-0205, 0500-0530. Las 100 Noticias Caracol 0330-0400. La Última Noticia 1230-0230 (via Adam Gaffin Brooklyn NY)

AUSTRALIA Here's your chance to register your opinion on R. Australia's elimination of separate programming for NAM and all the other changes since May. The Federal Government has ordered a seal-secret inquiry into the ABC including RA, conducted by officers of the Post & Telecommunications Dept. Submissions may be made publicly or in confidence; deadline is 6/30, and the report is to be submitted by August. (Info from the West Australian, Perth 4/14 via Jeff Bell) Might try addressing to P&T Dept. Canberra, A.C.T. (gh)

DX Programs BELGIUM BRT4's English DX pgm has been moved from 4th Saturday to 4th Tuesday of the month at 1730-1800 on 11940 9745 to Africa; and at 0015-0045 on 9725 to NAM (BRT4 J76 sked) Actually must be Wednesday following 4th Tuesdays. GMT for the 0015 airing (gh) Actually is last 20 mins of xman (Joseph Smith Jr., Johnson City NY) also in Dutch at 2105 on the fourth Tuesdays on 11940 9745 to Af; and in Spanish 2230-2300 on 4th Tuesdays on 11835 to Spain and LAm (BRT4 J76 sked)

ECUADOR HCJB's Spanish Program DX (now Thu 0145-0200) is considering expanding to 30 min a week if the personnel problem can be solved (Program DX 4/29 via gh) Stubbe in US 6 mo. (gh)

HUNGARY Surprise! R. Budapest's DX pgms remain sked in June same as in May LN: (gh)

MALTA The TELEX DX program in French is now heard on Sundays 0630 on 9635 (French SCDX 5/19)

NETHERLANDS Ahem, my lesson (#23) on harmonics in the "All Round DXers Course" should be broadcast in a new Spanish translation on RN's Espacio DXista 7/2 and repeated 7/9, if my projection is correct in the series "Casi Todo en DXismo". The program is aired as follows: Fridays 1315-1345 11960 7210 6045 5955 to SEU; 2045-2115 9715 6085 6020 to SEU; 2215-2245 11950 6085 to ENAM; 2345-0015 Sat on 11845 11730 6020 to SAM (preceding Lopk, following from Bonaire); and 15320 to SAM; 0115-0145 6020 to Carib; 0245-0315 9590 to GAm/NWSAm; 0415-0445 9590 to Mexico. After all most harmonics hrd here are from LAm, so coverage of this topic in Spanish is highly appropriate (gh)

PORTUGAL R. Portugal's German DX pgm is now back on Fridays, 2145 on 6025 9740 (Jürgen Durst Frankfurt, GFR, via SCDX 4/27)

SOUTH AFRICA R. RSA's DX Corner in English now has different programs Wed/Sat at approx 1640, 2140 and 2310; and Wed. pgm is repeated Thurs approx 1435. (Gerry Wood via Mac Leonhardt) If one interpreted the letter literally, it would mean that 'different programs' applies to 1640, 2140 and 2310, rather than Wed and Sat. . . (gh)

TURKEY For a while, VOT was likely the only station with DX programs in Arabic, Rumanian, Greek, Bulgarian, etc. But a recent sked shows them missing in these langs, whilst the English version is expanded to 15 minutes daily at 2230 (via John Kleineran, Cockeysville)

USSR R. Kiev's English DX Club pgm is on the Tuesday after the first and third Monday of the month at 0043-0056 and 0318-0326; some DX news and tech mailbag on SWL DXing, mostly amateurs news of USSR, some music. DX program of R. Moscow is on Thu 2315, Fri 0015 and 0315; mostly amateurs news of USSR, 90% technical mailbag, talk on ham contests in USSR and elsewhere (from Joseph Smith's J76 DX program survey, 196 Ackley Ave., Johnson City NY 13790; no room to publish here, but perhaps he would send you a copy for a SASE and costs of xerocopying 3 pages? (gh) Joseph has Turkey's DX at 2215-2230 Mon-Sat, by the way (gh)

DON'T YOU BELIEVE...

...that Guyana has 32 radio stations, as the '76 CBS News Almanac claims (Adam Giffin NY) Maybe they're counting taxis, hms, boats, etc. (gh)

...that the time 0100 is pronounced "zero hours one hundred" as Francoise Bourel says on her tape at 2359 on 6040 kHz (gh)

...that Radio RSA is actually using 4875 to NAm; it's still on 5980 (Joseph Smith Jr., Johnson City NY, 5/5) Was supposed to be on an omnidirectional antenna (Richard Wood NY) Ah, that would make it okay--they wouldn't have been broadcasting to NAm on 60m (gh)

...that the Kashmir station on 3277, 4860 and 6110 is in Muzaffarabad, via Pakistan as in SCDX 5/19 both French and English versions. It's Srinagar, on the Indian side! (gh)

...that La Voz de los Centauros is a 'new' station, as in Cushman's 5/7 report on DX Juke Box

It's been around since April 1975 (gh)  
...the Vaticana sked on Roger Stubbe's 5/2 DX show on HCJB; the times weren't converted from CET. Why is there this adamant CET stronghold in Rome? (gh)

...that the RGSWC theme music died with the program, even the Ian McFarland once remarked the tune was written specifically for RGSWC. In some faceless TV sitcom, on came a commercial. Some chick was parading around, selling skirts for Sears, to the tune of the theme of the (alias) defunct Radio Canada SW Club: I guess they sold their rights to it, or offered it to the public domain. (Jerry Slaff, Brooklyn NY)

...the WRTH 76 data on Radio Nacional, Venezuela. Letter from its Oficina Central de Informacion says that info is 'in the stages of future projection'. Presently using only two of the freqs, 6170 and 15390, both with 10 kw and both transmitting from Caracas (via Gerry L. Dexter, NU 5/15) Now on 15400, 10 kw sufficient to mess up BBC-Ascension (gh)

...that no frequencies were chosen for the Antigua relay as of 4/12, as in May FRENCH-34.

My notes show that DX Party Line did attribute the sked they broadcast to the THFBS; but in fact it may have been from the frequency sked planning exchange information between BBC and HCJB, and not expected to be released... (gh)

...that Martinique I heard on 5995 as in Apr LR-B-2. ORTF Martinique verified that I did not hear them with the notation on the bottom of the "Beach Scene" card "I'm sorry but we don't transmit on 5.995 Kc/s". The WRTH 76 still lists, however. The fact that ORTF took the time to answer my report speaks well of them (Jack Conover, Pittsburgh PA)

IN MY OPINION John J. Moritz, Jr., 4145 New Road, Youngstown OH 44515: "I find John Fischer's remarks concerning the so-called 'dullness' of the LR sections in NASWA to be most unreasonable and, at best, idle verbiage... NASWA has the finest and most capable editors and reporters in the business, some of whom belong to ASWIC, naturally. However, our excellence above other publications/clubs speaks for itself... It is annoying to answer such childish remarks as Mr. Fischer's, but I do feel our editors and publishers deserve the credit they are due in putting out the best publication in America, and one of the best in the world. Our sections are anything but dull. Log for log, you cannot find better reports or editors."

PUBLICATIONS Report on the 1975 Survey of Users of the Services of Radio Stations WWV & WWVH (NBS Technical Note 674 91 pages, Oct. 1975) Some NASWA members no doubt participated in this survey. The report examines 11,859 replies to a questionnaire, which was prompted by rising energy costs and consequent consideration toward curtailing NBS power and/or services. Statistics are kept to a minimum, with fully 67 pages devoted to a selection of the most controversial 17% of comments received--with identifying references deleted, but not all expletives deleted. Very interesting reading--lots of good ideas; and we DXers/SWLs are forced to realize that most WWV/H users are neither. If you can't get WWV to send you one, order from Supt. of Docs., USGPO, Washington DC 20402; Cat. No. G13,46,674, @ \$1.50 (gh)

Free Radio Campaign--Holland, P O. Box 9460, The Hague, Holland, publishes lengthy price lists in guilders of books, LPs, cassettes, posters, singles, T-shirts etc. for pirate radio faddists/historians. Write them directly if you're interested. (via Mac Leonhardt)

CONTEST Win a ten-day trip around Poland, or other attractive prizes, by answering "satisfactorily" at least one of the following questions, which qualifies your entry for a lottery draw: 1/ What do you know about the life problems and role of the younger generation in present-day Poland? What are the attitudes in your country to the young, and what hopes are vested in them? 2/ What in your opinion is the point of holding international youth events? Have you ever taken part in these - if so, what were your impressions? 3/ What is your opinion of the Polish Radio's programmes on youth problems? Can you think of any other topics you would like us to cover on this subject? Send your entry to Polskie Radio, PO Box 46, 00-950 WARSAW, Poland postmarked not later than 6/15/76. Winners will be announced on 6/30 (as you'd better send it by air!) (PR via Mac Leonhardt)

TIME JUMPS Jordan advanced to GMT plus 3 on 4/29 (BBCMS)

BBCMS MW INFO (Space available) AALAND ISLAND (considered a separate radio country by hms, so...), Finnish BC considers establishing new MW xtr at Sund, to carry R. Sweden programs

(4/1) BANGLADESH A 1000 kW MF xtr at Dharmal, near Dacca is already broadcasting experimentally. In the current 5-Year Plan are 26 other projects, 16 already in progress, such as erection of a number of 100 kW MF xtrs in regional centres such as Chittagong and Rajshahi

(4/29) BEININ New broadcasting house constructing in Cotonou, and new xtr at Abome-Culavi, which will ensure complete coverage of the country (4/1) GHANA A new relay station was opened 3/24 in the Upper Region, GBC's 52nd (MF?g) HUNGARY New 2000 kW MF xtr at Solt is to be completed by end of Nov, a month early; to carry R. Kossuth on 539 kHz (4/29) IRAN R. Qasr-e Shirin now originates own Persian, Arabic Kurdish on 612 0200-2200 (3/24) New xtrs inaugurated 4/24 include 2 x 200 kW in Tehran and lower powered in Sari, Sirjan JAPAN has decided to approve new 9-kHz spacing as of 11/23/78 (4/29) LAOS A provincial sta. built with Chinese help was inaugurated in Oudomsai Province 4/10 KOREA S New KBS-Andong sta. HICR-960 10 kW, since 4/9 LIBYA Libyan HS in Arabic on 827 presumed off the air (4/15) 73 de Glenn:

**Topline tip...** GILBERT & ELLICE ISLANDS -- Gilbert and Ellice Bestg Svc is seriously considering a return to shortwave! Ed Kusalik recently received a QSL from Tarawa for a seven-year-old rpt, arriving in an envelope torn in half. But along with the verification was a long, full-page EE ltr from the stn which Ed was showing off at the recent Ontario DX convention, which he hosted. It reads: "At the same time we are thinking of having a shortwave xmttr to cover (cont'd below)"

# DX

New phone:  
(414) 551-7802

Next deadlines:  
6/10 - reg. address  
6/28 - to ed-pro-tem  
7/25 Gerry Dexter  
RRh, Box 80D  
Lake Geneva  
Wis. 53147



# Hotline

• Editor: **Ralph W. Perry**  
3304 27th St., Kenosha, WI 53140

GILBERT & ELLICE IS. -- (cont'd from above) the Phoenix and Line Islands about 2,000 miles east of Tarawa. The fq and pwr of the xmttr are not yet decided upon. (Flashed thisaways by Bill Whitesacre, Mich.) Zounds! (zounds promising, that is.)/Ed.

SAO TOME - 4807.2, QSL cds coming in from ERSTP, no veris signer. Card shows four blocked off areas of pix, PTT bldg, fountain, sunset and another. VIC 133, but this excites me more as my 40th African HIC. John Moritz also says he's received same. (Whit)

TAIWAN - 7200, Vo. of Righteousness, 1159.2 s/on w/orchrl IS, 1200 thrice IDed by IL in CC, more oriental mx til 1202, then two more IL IDs, then OM tik. 1203 mx resumes. Pretty gud signal but became progressively worse, jamming overpowering by 1205. Another CC stn on same fq buried by Vo. Righteousness; no sign of usual RR powerhouse on fq. 5/23. (Bob Hill, Cal., via Don Jensen/NU) Good sleuthing, Bobbus...it had been a question as to if this was even still on the air./Ed.

ITALY/PIRATE-CLAND(?) -- 6222, Gamma Radio, Milano, 0245-0309. This station has been observed since mid-April with excellent signals at times, way up to S9+. Mostly old instls and American pop tunes like "Everybody Loves Somebody Sometime" and " Chattanooga Choo Choo." Annts seemed to be few and far between. When hrd, a woman in Italian gave the ID. Called other Conn. DXers who also hrd this stn. Thanks to BECMS for a definite ID on this one. (Sam Barto, Conn.) Presumably this is the old R. Nordsee xmttr in the long-awaited reactivation off the Italian coast. BECMS had, for the record, been rptng it on 6200. Fq varying this date or NF, Sam? Nice logging!/Ed.

MISCELLANEOUS -- I phoned Mayberry, who puts out the "International Listener" and asked what's going on. He said the April issue was delayed and the May issue should be going out before this goes to press. Said he's having trouble with the Post Office. (Steve Handler, II)

NEW HEBRIDES/CLAND -- Arthur Cushen has scooped the world. A follow-up of his earlier rpts to the Santo Island-based clandestine Radio Na-Griamel, sent to Jimmy Moll Stevens (Cf. prev DXrs) who is proxy of the party, brought a QSL ltr noting the stn xmts with 60 watts with dipole aerials and is printing vy proper QSL cds. Stevens claimed the stn is located in the town of Tanafo on Santo, a fortified hilltop village. He confirmed also the stn no longer uses the 41 m.b. fq of 7.12 mc but that 3975 (varying on days to 3950 /Ed.) is still being used. (New Zealand DX-Times)

COOK ISLANDS -- Cook Islands BC and Newspaper Corp., a "Mr. Henry", Minister of Tourism for the islands, answers the question raised by the closure of Radio New Zealand SW svc, which Raratonga relayed. If his statement can be interpreted thus, R. Australia might take up the slack for the area -- possibly for the relay purposes, also. "R. New Zealand bcsta have kept us abreast with events in NZ and the world. The service has been very good and vy popular. The cuts are unfortunate. We'll have to rely on the Australian Broadcasting Service now." (quoted in NZDX-Times in opinion column on RNZ SW-shutdown)

MONTSERRAT -- 5995, this fq is the only one of 1h tentative fqs listed in IFRB Circular 1207 for the BBC/DW Caribbean Relay which has a location of Montserrat. This would be the 50 kHzer, on the air per this info source 0115-0315 GMT. (Gerry Dexter, Wis.)

SEYCHELLES - 11810, FEBA, test xmsns, \*Q405-Q430\* on 5/11, xylophone IS, EE IDs, for five minutes. Then mx, mainly instls with some annts of special xmsns. The announced parallel may have been 15265 instead of 15270 as prtd in SCDX 1375 - obviously not hrd here. (Tom Overcamp, S.C.)

BURUNDI - 4900, R. Cordac, snatches of gospel mx, vy poor lvl but getting better Q430 to Q455...HIC 1691 Dusted off SX190 and it's good to be back. (Tom Alleman, MO.)

GREECE - 9760, Vo. Greece, daily 5/15-23, on air approx 2357 w/flute IS repeated couple times, ID, anthem and IS once more before nx in Greek. Nx in EE usually (but not always) at 15-16 mins after the hour by YL ancw w/accnt but good voice (maybe Melina Mercouri) (in that case, OM, you need a TV, not a radio. hi/Ed.) Much local mx, some very entertaining, sigs ranging from fair to excellent. Sometimes QRM from VOA and/or RHC. Usually is worse after 0300. (Hadley Cress, Va.)

PERU - 5010, R. Eco, 0703-0712, this Peruvian noted at strange hours lately, with screaming and half-crazed jockey, instls and IA stuff. Mucho IDs and a decent sig 5/22. Also noted during the 0330-0400 period at fair lvl on 5/10. Some change has taken place down there. (John Moritz, Ohio)

DENMARK - Old antenna was dismantled to be replaced with a log periodic antenna. In addition, station will be replacing its aging 50 KW unit with two 500 Wwrs. (Jim Conrad, Iowa)

IRAN - 1506h, Tehran at 1900 booming w/ beautiful signals in what seems to be Farsi. Sigs lately have been nothing short of phenomenal - I love it. (Conrad)

PAKISTAN - R Pak in apparent Indo to Indonesia \*0200-0245\*. Nondescript rock and roll, some AA-style chanting and frequent Islamic references and IDs, always mentioning Pakistan. Nx 0220 and s/off w/anthem 0245. Sig often excellent, but prone to fade toward end of xmsn as band condx deteriorate. Also prone to early and sudden s/off's, so I suspect a faulty studio/xmtr link. (Alleman) Fq7/Ed.

SRI LANKA - 15245, All-Asia Svc, exc lvl most evenings after 0200, usu pgms. (Alleman)

PERU - 4830, R. Apurimac noted 5/6 from 0300-0320 t/out w/Andean mx in mix w/R. Tachira but clear ID at 0316. Apurimac closed 0349 on 2/12, 0401 on 3/5. (John Tuchscherer, Wis., NU)

OMAN - 11890, Oman here until 1350, then onwards from 1400 on 6175, per BECMS, but I hear nothing on 11890 due to USSR stn to S. Asia. Hearing the \*0200 s/on, though, poor strength but clear of QRM with lengthy Koran chant past 0215. Should propagate to the U.S. (Victor G., Sri Lanka, via NU)

BREAK TIME - Time for a breather! Boy, am I ever married - I've been at this new QTH for nearly three whole days now and the shack is still in boxes, being left unattended in favor of more important things (hanging drapes, moving furniture, moving furniture and moving furniture. Oh, and I've also been moving some furniture!). Location here is on very high ground for the area, and the backyard slopes gently away for 300-feet. It is generously covered with apple trees, as in orchard. This has the makings of longwire heaven, folks./Ed.

PERU - 4951, R. Madre de Dios, noted 5/20 for about 20 minutes, lost in mid-song at 0327. Nx fooled me for awhile as was regular LA pop-type, not Andies. But a check of data on hand showed this was same fare noted by Jack Perolo in Brazil...and sure enough, a moment later, came a full ID. QF1 was very useful due to the garbage on fq. (Dexter)

BANGLADESH - 15268, R. Bangladesh, the external svc now is on this fq, ancing 15270, ex-15160, with English at 1230-1300. (BECMS)

THAILAND - Bangkok domestic svc best a statement that the Public Relations Dept. said in order to improve the bestg svcs in the northern, southern and central regions of the country a radio stn will be constructed in the Phangnga Province by July, two more in the Kanchanaburi and Satun provinces and a fourth in Mae Sot dist. of Tak Province. (BECMS)Fqs?

SAUDI ARABIA - BSK Saudi Arabia currently has EE on 11855 at 1900-2200. (BECMS)

INDONESIA - BECMS has printed, via a Jak paper, a listing of satellite ground stns now being installed. Not surprisingly, it compares nearly identically with the sites where new SWC xmtrs are going in. RRI will apparently feed the outlying stns w/ satellite, which should provide some of the cleanest relayed pgming in 3rd world./Ed.

TBS - The Danish SW Club International "Tropical Band Survey" (TBS) 4th edition is due off the press as you read this. Highly recommended for reference. 8 IRCs by air. DSWCI, Box 50, DK-2620 Albertslund, Denmark.

TIBET - 4035, after several mnths and rpts to R. Peking to get a verie on Lhasa, all I have ended up with is normal RP cd vfyng 4035 and a pleasant ltr informing regionals don't issue QSLs. Peking has refused to type in the site despite quite some time and many tries. (Barry Williams, NZ DX-Times)

PIE ON THEE! - Who says SWC is dying? Re a \$3.2 million expansion, Harris/Gates says: "...the expansion is needed to accommodate growing sales of radio xmtrs which have been particularly strong abroad..." (73 de rwp)





## Section A

And into summer we go. I hope we can keep a good amount of reports flowing even during the summer slump. In pursuit of Cook this morning, I had my first "all nighter" in a long while. I'm getting old.....

- 2260 UNID INDONESIA; RRI outlet still here w/RRI ID 1525 after nx(Cosier)  
2324 JAVA RPKD Cianjur; ID 1520 after nx (Cosier)  
2332 JAVA RRI Jakarta; superb at 1510 w/QRM from 2335.4 (Cosier)  
2335 UNID INDONESIA; RKPDK stn w/Jakarta nx 1510, only recently (Cosier)  
2460 UNID INDONESIA; under Peking at 1510 and //2332 (Cosier)  
3195 IRAQ RB; at 1700 in overseas svc, G (Cosier)  
3204 NIGERIA Ibadan; 0444-0516 w/chants, tlk in lang, 0500 nx in EE w/two ID's, Afro mx (Moritz 5/5, Tuchscherer 4/27)  
3205 BRAZIL RC Ribeirao Preto; 4/12 from 2330 w/sports (Field)  
3215 VENEZUELA Ondas Panamericanas; 1008-1115 w/SS-tlk, mx px (Field, Willis)  
3222 TOGO Lama-Kara; 2125-2158 w/FF discussions, vocals & guitar mx, tlk by M w/mentions of Lama-Kara (Wooten 4/4, Padula 4/18)  
3227 LIBERIA ELWA; 0630-0650 vern. tlk by M, possible EE as well, then W in tlk and some mx, P (Moritz)  
3230 SOUTH AFRICA RSA; 0259 in EE after IS, nx (Miller)  
3232 CONGO Brazzaville; FF tlk/discussion 2145 to s/off 2150, earlier s/off this freq. than listed 2300 (Padula)  
3243 IRAQ RB; Kurdish px, chanting at 2134 (Padula)  
3245 VENEZUELA R. Libertador; 0319-0410 M and W in SS tlk w/mentions of Radio Swan, ID by M 0403 running late this nite (Moritz 4/26)  
3250 SOUTH AFRICA SABC; 2130-2135 Springbok Radio w/ads for portable radios; normal s/on this freq. 2200 (Padula) 0230-0300\* EE, ID's, orch mx, ads (Thompson)  
3255 VENEZUELA Lv del Tigre; 0119-0135 M in SS tlk/anmts, LA ballads, (Moritz) 0350\* w/NA (Sherman)  
3260 NIGER ORTN; 2118-2135 FF discussion (Padula)  
3260 (T) JAPAN Sendai; 0930 under PNG in JJ tlk (Willis)  
3265 COOK IS. Rarotonga; M voice in vern at 0501 t/in, poss. EE 0510, light mx 0521, much local QRM prevented continued logging, there fore gone by 0611; excellent condx for Pacific this evening and can't believe anyone else here, so will wait for QSL, I hope(Young) May your mailbox be blessed- I had a faint whisper here this mornin' but nothing def, ed.  
3275 SWAZILAND TWR; later s/off, now regularly 2107\* ex 2101 w/EE rel px (Padula)  
3275 MOZAMBIQUE UNID; 2030-2100 period, 2100\* w/anthem over Manzini, may be Beira; first noted 4/20 (Padula)  
3275 VENEZUELA R. Mara; 0325 w/SS mx and many ID's (Hall)  
3284 AFGHANISTAN RA; exotic mx 1327, anmts 1330, singing 1346 and gone by 1358; seemed more like Indo type px and lang (Young 4/13)  
3295 ZAMBIA RZ; M in vern. 0427, strongest ever heard WCNA (Young 4/19)  
3295 VENEZUELA R. Trujillo; 1055 SS tlk, mx (Willis)  
3300 GUATEMALA R. Cultural; 1115 SS ID, church mx (Willis) 0301-0335 in EE, Back to the Bible, ID and freq 0330 (Padula)  
3300 BURUNDI Bujumbura; good level w/FF anmts 1935-1943 mixing w/Libre ville 2045 (Padula)  
3300 GABON Libreville; after Bujumbura 2100\*, different px than 4777, Afro rock mx 2130 and FF anmts (Padula)  
3305 PAPUA NG R. Western District; 1130 mx & lcl lang to 1200\* (Behr)  
3306 UNID INDONESIA; lcl IS 1359-1400, W in Indo, lcl ID anmts, then RRI IS and into RRI relay; Malang is listed 3305 (Young)

- 3315 INDIA AIR Ghoral; 1400 seemed Hindi, 2 (Willis) some details see, ed  
 3316 SIERRA LEONE JIDS; 2325 w/pop mx, EE nx, ID 2332\* (Anderson) 2109-  
 2135 LA ID, lcl mx and inst mx (Padula)
- 3320 SOUTH AFRICA SABC; 0445-0455 M in Afrikaans tlk, ID (Loritz)
- 3322 BOUGAINVILLE IS RB; 0630-0705 EE and Pidgin, re. px, TL, nx in  
 Pidgin then EE tlk, light mx (Grindle)
- 3325 WEST IRIAN RRI Jayapura; 1130 mx, 1200 Indo nx, def ID 1235 (Willis  
 Behr)
- 3335 BRAZIL (T) RCI Conquista; 0800 w/mx px, FF tlk (Field) 2320 in FF  
 tlk by M and W, jingles, mentions of Brazil and Conquista (Anderson)
- 3335 UNID USSR; piano mx strong 1220, classical nx to 1300\*, // to  
 5015; on 4/20 found on 3385-Where? (Young)
- 3335 PAPUA NEW GUINEA RES; 1130 mx and Pidgin to 1202\* (Behr)
- 3340 CHINA Peiking NS; recent NP hrd here 1235 (Willis)
- 3345 (T) KASHMIR; Indian type songs 1722 although other Indian stns not  
 so well hrd- def not Indo (Cosier)
- 3345 BRAZIL UNID; 0800-0830 mx px, tlk (Field) One of WRH listed Marlin?  
 3350 GABON Franceville; FF tlk by E 2055, first observed 4/20; when on  
 3350, not on 4830 suggesting same Xmt, alternate freqs (Padula)
- 3351 PERU (T) R. Independencia; Peruvian mx 0419, anmts and as past 0452  
 hrd till Ghana c/on 0519-once rptd here so what else? (Young) Good  
 catch if so, ed.
- 3355 INDONESIA (JAVA) RRI Sumenep; all over AIR at 1335 (Cosier) All over  
 AIR with what- mx, cmt, warta berita....? ed.
- 3355 INDIA AIR Kurseong; EE nx 1230 over Indo (Willis)
- 3355 NEW CALEDONIA FR3; 1045 mx and FF to 1105\* w/LA (Behr)
- 3365 SWAZILAND TWR; NP // to usual 3275 w/EE rel px, 2107\* (Padula)
- 3380 TANZANIA MBC; 2145-2200 w/E sigs, Top 40, w/EE anmts (Padula) 0308-  
 0335 M in Chicheva tlk, ID, Afro mx, ads-Latin nowhere in sight  
 (Moritz)
- 3384 UNID LA; in FF or SS, anmts 0904, over-mod/distorted, poss rel. px  
 0930, het with Rabaul 3385 (Young)
- 3385 MALAYSIA Miri-Sarawak; Malaysian ID 1300 after TC, E w/nx //4895  
 (Young)
- 3385 FR. GUIANA FR3; 0914-0935 f/out in FF, chimes at 0915, mostly mx,  
 E & W ancrs ID 0930, nx and rapid f/out (Ravenhorst)
- 3386 PERU UNID; Peruvian/Andean mx 0442, songs and anmts, poss full ID  
 0445; closing anmts 0529\* no NA (Young 4/19)
- 3386 ECUADOR R. Zaracay; 0525-0605 w/Ecuadorian mx and ID, sked not per  
 WRH (Lausevich 4/19) Seems that this and the above are the same  
 thing, but then we have Zaracay on 3390 also, ed.
- 3390 ECUADOR R. Zaracay; 1050 w/SS tlk, mx (Willis) 0432-0442 w/ballads,  
 anmts by M w/more mx after (Earhart)
- 3396 NIGERIA Kaduna; EE ID for Radio Nigeria 2200 then nx in EE (Padula)
- 3396 RHODESIA RBC; 0355-0435 w/usual px, ads, pop mx, nx 0400 (7 rpters)
- 3375 UNID INDONESIA; pop mx, US tunes, Indo anmts at 1333, much QRM de  
 RPT on 3712 (Young 4/21)
- 3885 CAPE VERDE IS RRCV/AVF/Em. Oficial; 0034-0039 w/pop songs; have not  
 hrd supposed new ID, just mentions of Cabo Verde (Moritz 4/23) Fer  
 Vic Jaar, ID now Em. Oficial de la Republica de Cabo Verde-DXH ed.
- 3904 ADELPHY IS R. Lanus; 1130 w/mx and Pidgin anmts to 1202\* w/LA  
 (Behr)
- 3910 JAPAN FEN; 0922-0930 w/ID, tlk by W and M in EE (Toppin) George, if  
 your freq is correct, this is FEN and not in JJ, ed.
- 3918 S. KOREA KBC; KK from 0900 t/in (Willis) KK cmt, tlk?? ed.
- 3970 G. BRITAIN BBC WS; //3952 at 0612; Afro svc on 3975 at same time w/  
 FF tlk (Willis, Padula, Cosier)
- 3970 CHINA (INNER MONGOLIA) Nei Lengyu; CC 1400, Bangladesh seemed there  
 also but no ID (Willis)
- 3980 GERMANY VOA Munich; 0300-0323 barely audible w/VOA nx, cmt, mx  
 (Loritz)
- 3985 SWITZERLAND SBC; Euro svc 0616-0645 w/Swiss marching mx (Willis et al)
- 4050 UNID USSR; 0846-0920 RR, Moscow Layak px, short cmt, balalaika mx  
 and orch mx, nx and TC for "Moscow time 12 hrs" (Poppin 4/14)
- 4485 USSR Petropavlovsk; 0729-0805 RR, symphony mx, sports nx about  
 Kamchatka Far East Swim School; changed to Layak 0800 (Poppin)
- 4520 ASIATIC SSR Petropavlovsk; nx 1920 in RR (Jootten-Italy)
- 4635 TADZHIK SSR Dushanbe; 1912 w/E & W in cmt, RR (Jootten-Italy)
- 4680 UNID USSR; unlisted RR cmt, some mx, TC for "1800 hrs" (Poppin)
- 4735 PAKISTAN PBC; 1730 w/lcl mx, some tlk by W, ment. Karachi, all in  
 Urdu w/ARO QRM (Jootten)
- 4750 ECUADOR R. El Mundo (T); 0400-0431 in SS, blads w/L ancr (Davenport)
- 4755 COLOMBIA Em Nuevo Mundo; LA mx w/IDs and ads at 0300 (Ilywarren)
- 4760 PERU R. Tingo Maria; 0340-0400 in SS w/LA mx, ID (Tuchscherer 5/4)

- 4765 CONGO Brazzaville; noted w/EE on a Sat. beginning at 2125 w/ID as "This is the Voice of the Rev bdcstg from Brazzaville" anmts, freqs, into EE nx to 2140; // 6115 (Padula)
- 4770 LIBERIA ELWA; 2150-2238\* rel px, mx, ID, tlk in EE(Dunn, Schwartz, Yajko) hrd past 2255 in EE w/rel px(Miller)
- 4770 KOREA Fyongyang; KK tlk at \*1400 (Willis)
- 4777 GABON Libreville; usual px w/FF tlk, pops, ID from 2148 to 0000\* (6 rpters)
- 4782 DOM. REP. Onda Musical; 0840 w/light mx LA mx, SS anmts (Cosier)
- 4785 CHINA Kunming/Yunnan?; 1045 in CC tlk(Dunn) CC at 1100, Yunnan says Mr. Willis in Aus(Willis) Which is it- I don't know, ed.
- 4785 TANZANIA Dar es Salaam; ex 4E25 w/vern 2000-2030 to 2105\* w/Swahili ID and NA (Padula)
- 4785 AZERBAIJAN SSR Baku; 1745 mx px in lang w/J ancr(Wootten-Italy)
- 4790 SWAZILAND TWR; EE rel. px to 2107\*//3275, 3365; this makes 3 Xmtrs in // for this svc; this freq not noted weekdays (Padula)
- 4790 PERU R. Atlantida; ID 0400 followed by mx (Hywarren)
- 4794 ECUADOR LV de los Caras; 0500 lcl mx & ID to 0522\*, G (Behr)
- 4800 ECUADOR R. Pop Independiente; 0412-0421 Andean vocals by W, inst mx, N in SS twist mx (Moritz)
- 4807 SAO TOME & PRINCEPE; 2241-2304\* pops, Afro mx, PP vocals non-stop till W in PP anmts at hour, lengthy NA and off. E (Moritz)
- 4810 SOUTH AFRICA SABC; 0400-0530 w/usual stuff, ads, mx and ID's, EE and Afrikaans svc(6 rpters)
- 4816v UPPER VOLTA Ouagadougou; 2345 w/FF emty by M and also 0637 in FF (Schwartz) 0620-0655 via LP w/FF anmts and tlk(Willis, Padula)
- 4820 VENEZUELA R. Tricolor; presumed Tricolor, mx 1045, ads for Barquisimeto stores 1048, seems to s/on 1000(Padula) 0410-0422 w/SS ads, mx & ID on 4/3 when sudden s/off during song; on 4/14 on past 0700 (Behr, Barto)
- 4820 HONDURAS R. Satellite; noted 4/10 and hrd well 0530 w/ID's, cuckoo clock slogans and ads as well as LA mx; after HRVC\*; seems to have left air as recent checks reveal nothing (Hywarren)
- 4820 ANGOLA R. Nacional; PF tlk 2108 mentioning Huambo; still there at 2302 w/martial mx; not every day (Padula)
- 4825 DOM REP. LV de los Fuerzas Armadas; \*1100 on 4/5 at excellent level- this stn has a great pennant(Barto) 0305-0356\* continuous mx, LA mx, ID (Conover, Miller)
- 4825 TURKMEN SSR Ashkabad; classical mx 1755, RR px (Wootten-Italy)
- 4830 GABON Franceville; FF ID 2100-"Madames, Messrs, ici Radio Franceville"; rock mx anmts for freqs, 2103\* w/NA; believe first positive ID this time period; also on late 4/16 w/FF tlk, jazz 2230-2300(Padula, Miller)
- 4830 VENEZUELA R. Tachira; 1058 s/on to 1107 SS, many ID's(Barto) 1020 w/ID, mx(Padula)
- 4831 PERU R. Apurimac(T); 0300-0320 SS, Andean mx mixing with Tachira, M & W ancrs (Tuchscherer 5/6)
- 4836 BRAZIL RDF Roraima; 0951-1010 in PP w/vocals, G(Barto)
- 4840 CHINA Fuzhou; PLA at 1100 w/CC mx and tlk assuming WRH correct(Dunn)
- 4845 BOTSWANA RE; 0354-0430 EE ID, cowbells, rooster, cattle mooing, setswana tlk, rock mx(Moritz, Thompson) 0640 vern tlk(Schwartz)
- 4845 BOLIVIA R. Fides; 0113-0208 W in SS world nx, M w/SS ID giving freqs, classical mx 0126, strong signals(Ravenhorst, Moritz)
- 4845 PERU (T) R. Sullana; 0231-0258 SS, ballads and LA mx, M ancr., clock ticks before ID-any help? (Davenport, 4/6)
- 4832 COSTA RICA R. Reloj; 1120 in SS, ads and LA mx, ID(Miller) 0550-0600 w/US pop mx and TC (Dubrick 5/1) Some still are rptg R. Capital here, so shall we ID this one gentlemen? Sorry for the out of order..
- 4855 BRAZIL RC Para; 0432-0441\* soul/rock mx, M in PP tlk, ads(Moritz)
- 4860 PERU (T) R. Chinchaycocha; mx from 0440 to 0448\* (Field)
- 4870v BENIN LVR; \*0600 w/drums IS, NA, ID by M followed by Afro mx and FF tlks (Hywarren, Willis, Anerson, Cosier)
- 4875 SENEGAL/MALI CF May IR-A; after checks and comments from Fred Heutte think this Mali although could still be Senegal- my apologies if I have misled anyone on this log (John Moritz)
- 4880 ZAIRE Kinshasa; FF tlks around 2310 after Peking RR svc f/out(Padula)
- 4890 (T) URUGUAY R. Durazon; 0300-0345 w/SS ancr., tlk, mx, ID and fqy not sure(Davenport) Needs some more checking, ed.
- 4900 SULAWESI RRI Gorontalo; lcl nx 1400 (Cosier)

Good grief, that was a tight squeeze- again, I had to leave some more common items out to stay within the limit, but will keep track of these for future LR-A's. Thank you to all reporting-until July, good DX/73..

- 4875 BOLIVIA La Cruz del Sur; 0149-0207\* non-stop classical selections to 0159 ID by W in SS, closing anmts, ID in EE asking for rpters, gave QTH, E (Moritz)

# Log

# Report



## Section B

**•Editor Sec. B: Kent C. Corson**  
**2269 Graham Circle, Dubuque, Iowa 52001**

- 4904.5 CHAD RNT; 1825 FF, cmntry, lcl mx (Wootten 4/14) 2217-2357\* FF, lcl nx, Afr percussion mx (Scheartz 4/12, Wortitz 4/10)
- 4910 GUINEA Conakry; 2130-2200\* FF, Afr mx, nx at 2145, NA at 2157 and off (Anderson 4/25)
- 4910 ZAMBIA R. Zambia; 2040-2050 Vern, EE pops (Padula 4/14)
- 4910 VENEZUELA R. Carora; 1015-1017 SS, ads and TC (Padula 4/12)
- 4915 COLOMBIA R. Guatapuri; 0450-0506 SS, LA mx, nx, ID (Thunberg 4/11, Schwartz 4/11) \*0950-1015 SS, vocals, ID, etc. (Padula 4/21)
- 4915 GHANA GBC; 2250 EE, ID, mx, tlk (Conover 5/1) \*0530-0645 EE/Vern, nx, ID's, cmntry (Padula 4/10, Cosier, Sheehan 4/10, Thunberg 4/11, Schwartz 4/6, Dubrick 5/1, Poppin 4/8)
- 4915A UNID. 0230 weak sig under QRM, possibly SS. Voice anncmnts start 5 to 10 sec after the minute, end at 50 sec, ticking is heard, another voice gives time? at 53 sec, then 2 high pitched pips followed by a longer lower tone to mark minute (Anderson 5/3) Sure it wasn't a receiver problem.
- 4920 ECUADOR R. Quito; 0118 SS, excited tlk, ID (Dunn 4/19)
- 4920 HONDURAS R. Progreso; 0030-0045 SS, typical LA pming (Barto 3/30)
- 4920 AUSTRALIA ABC Brisbane; 0716-0805 EE, variety mx, ID (Poppin 4/12)
- 4920 UKRAINE SSR Kiev; 1833 Czech, tlk by W (Wootten 4/14)
- 4926 COLOMBIA Emis. Meridiano; 0027-0104\* SS/EE, ID, LA mx, EE ID at 0103, then SS ID and off (Mayer 5/4)
- 4930 DOM. REP. R. Mil; 0930 SS, ID, mx (Bishop 4/12)
- 4930 GEORGIA SSR Tbilisi; 1837 Local lang, speech, operatic mx (Wootten)
- 4940 IVORY COAST RTVI; 2246-2345 FF, lcl mx, rock mx, ID (Anderson 4/7, Yajko 4/26) 0615-0620 FF, light pops, tlks (Padula 4/24, Cosier)
- 4940 VENEZUELA R. Yaracuy; 2130 SS, via LP, ads, Good level (Padula)
- 4940 UKRAINE SSR Kiev; 1841 RR, cl mx, RR pop mx (Wootten 4/14)
- 4945 COLOMBIA R. Colosal; 0455-0505 SS, LA pop mx, tlk (Dubrick 4/14)
- 4947.5 BRAZIL Voz de Sao Francisco; 0222-0303\* FF, LA mx, ID (Tuchscherer)
- 4955 COLOMBIA R. Nacional; 0440-0450 SS, nx (Dubrick 4/14)
- 4958 AZERBAIJAN SSR Baku; 1845 local lang, light mx (Wootten 4/14) 0500 in lang, clear ID "Govorit Baku", but no IS, mx (Brookwell 4/19)
- 4960 VENEZUELA R. Sucre; 0215-0226 SS, pop mx, ID by M (Moritz 4/27)
- 4965 COLOMBIA R. Santa Fe; 0438-1000 SS, vocal mx, many ID's, nx pgm, and LA mx (Lalande 4/19, Pollard 4/12, Earhart 5/1)
- 4970 VENEZUELA R. Rumbos; 0047-0420 SS, mx, ID's (Poppin, Davenport)
- 4972.5 CAMEROON R. Yaounde; 2235-2301\* FF, pops/Afr mx, M tiking in FF, NA at s/off (Moritz 4/10) 0620 FF, via LP (T) Willis)
- 4975 PERU R. Del Pacifico; 0348 SS, ID (Sherman 5/4)
- 4980 VENEZUELA Ecos del Torbes; 0030-0308 SS, LA mx, many ID's by M (Poppin, Davenport) \*0958-1030 SS, NA by choir, anncmnts by M, mx, full ID's (Ravenhorst 4/19) (Padula)
- 4980 GHANA GBC; 2120 EE, disc pgm, via Short path; 0620 via LP with tlk
- 4985 BRAZIL R. Brazil Central; 0428-0900 FF, Brazilian pops, many ID's, tlks (Earhart 5/1, Lalande 4/19)
- 4990 VENEZUELA R. Barquisimeto; 0050-0347 SS, some EE pops, ID's, vocals and M tiking (Davenport, Poppin 4/28)

- 4990 NIGERIA NBC Lagos; 0600 EE ID by W (Willis)
- 4990 ARMENIA SSR Yerevan; 1855 AA, tlk by M&W (Wootten 4/14)
- 4993 NO. VIETNAM Hanoi; VV pgm // 10225. Good level but has reduced the power (Willis)
- 4995 PERU R. Andina; 0603-0613 SS, Andean instru and vocals, M in SS between mx (Moritz 4/9) (T) 0610 SS annmnts, long Andean tunes (Cosier) (T) 2315-2330 SS, ads, M annr (Davenport 4/19)
- 5005t PERU R. Jaen; 0205-0228 SS, tlk by M&W, barely audible, drifting in and out. Gone by 0215, then hrd a short bit of mx, followed by M in SS again at 0227. Listed as 250 watts (Moritz 5/4)
- 5010 CAMEROON R. Garoua; 2155-2202\* Vern, M tlking, Anthem and then off. Poor (Moritz 4/11)
- 5015 USSR Vladivostok; 0931-1013 RR, piano orchestrals, W in RR tlk, ID, and nx (Moritz 4/25, Poppin 4/14) 0700 RR (Willis)
- 5020 SOLOMON IS SIIBS; 1118-1132\* EE, pop mx, M annr, NA, ID, and then GSTQ at 1131 and off (Ravenhorst 5/11)
- 5020 NIGER ORTN; 0540 long chanting, good but undermodulated (Sherman)
- 5025.2 ECUADOR R. Splendit; 0430 SS, LA mx, ads & ID to 0505\* (Behr)
- 5035 COLOMBIA LV del Caqueta; 0430-0500\* SS, mx, TC's & ID (Behr)
- 5041 GUINEA-BISSAU RB; \*0555-0630 PP, drum IS to 0559, ID by W, followed by NA, then another ID, and into Afr mx (Moritz 5/5, Willis)
- 5047 TOGO R. Togo; \*0530-0650 FF, s/on with Hymn, M tlking, nx & cmntry (Padula 4/10, Schwartz 4/6, Brookwell) (T) 2247-2304\* FF, non-stop Afr mx, high-pitched chime, military type mx IS (McLaughlin 4/11)
- 5075 COLOMBIA R. Stutatenza; 0315 SS, giving addresses of would-be pen pals in neighboring countries (Hauser 5/4)
- 5915 BULGARIA R. Sofia; 0404 SS, poor level (Larson 4/12)
- 5930 CZECHOSLOVAKIA R. Prague; 0320 EE, mx, cmntry, Good (Mark 4/16)
- 5955t NICARAGUA R. Zelaya; \*1100 SS, with annmnts, possible ID, but covered by VOA on same freq. Singing mx and annmnts till past 1125, but weaker then (Young 4/11) Conrad 5/6)
- 5955 COSTA RICA R. Casino; 0430-0604\* EE, pop mx, TC's & ID (Behr 5/2)
- 5955 BRAZIL R. Gazeta; 0645 PP, Brazilian mx, ads & ID (Behr 3/29)
- 5960 CANADA CBC NS; 0215-0400 EE, nx, features, vocals (Poppin, Pollard, Dubrick 5/5)
- 5962 COLOMBIA LV de los Centauros; 0700-1100 SS (Willis)
- 5965 SWITZERLAND SBC; 0200 EE polka mx; 0315 GG disc pgm (Schwartz)
- 5975 UNID. Korea? 1100 Korean tlking by W past 1230 (Behr 4/19)
- 5980 SOUTH AFRICA RSA; 0310-0320 EE, cmntry (Dunn, Schwartz 4/10)
- 5980 PERU R. Panamericana; 0519-0608 SS, mx, many ID's, ads (Poppin 4/6)
- 5985 ARGENTINA R. Splendit; 1000-1017 SS, 2 M in SS, very strong level for listed 1 Kw. WRTVH lists 5980 or am I seeing wrong? (Barto 4/5) 0000 SS, ID for R. Nacional then RAE, seemed like news before and after ID (Field 4/13)
- 5995 USA 0015\* PP, Interesting situation here; BBC PP svc noted 5/3 2230 with off-air relay sound on new freq // 6110 which had different off air relay sound and much weaker sig. Latter is Ascension. 5995 was strongest sig on band, stronger than BBC-Ascension 6055 also, and than RHC 6060. Only comparable sig was VOA Greenville 500 Kw on 6190 which came on around 2345. One might leap to the conclusion that this is the new Antigua (or Montserrat) relay testing, as 5995 is one of their projected freq. However, the evidence points toward VOA now relaying from Greenville the BBC PP svc (Hauser) Brindle)
- 5995 AUSTRALIA ABC Lyndhurst; 0958-1058\* EE, rock mx, ID, nx (Conover)
- 5995 MALI R. Mali; 2240-2300 PP, Afr mx, tlks (Padula 4/24) 0630-0645 in what seemed native lang // 4783 (Barto 4/5)
- 5995nf ENGLAND BBC; 2347-2359 FF, tlks by M&W, pop mx (Tuschscher 5/5)
- 5995 VATICAN Vatican R; 0100-0115 EE, rel pgm; 0115 FF pop mx (Dubrick, Mark, Earhart)
- 6000 HUNGARY R. Budapest; 0300-0325 EE, nx, cmntry (Mark, Schwartz)
- 6000 COLOMBIA R. Super de Medellin; 0400-0600 SS, tango mx, TC's, ID's, sports (Cosier, Behr 4/28, Lausevich 4/25, Mayer 4/30, (T) Willis)
- 6005 CANADA CFGX; 1300 EE, mx, ID, ads, nx (Conover 4/24)
- 6005 AUSTRALIA RA; 0958-1020 EE, nx, Australian top 40 (Brindle 4/18)
- 6006 COSTA RICA R. Reloj; 0650-0655 SS, pop mx (Dubrick 5/1) Nebron)
- 6010 ITALY RAI; \*0100-0130 EE, cmntry and nx to NA (Thunberg 4/19, Haas)
- 6010 VENEZUELA R. Los Andes; \*1035 SS, into Venezuelan mx (Padula 4/12)
- 6010 W. GERMANY DW; \*0130-0150 EE, NA svc (Thompson, Follard, Haas)
- 6015 BRAZIL R. Clube de Pernambuco; 0100 FF, tlk, mx (Zilmer 4/14)
- 6015 AUSTRIA ORF; 0450 EE, cmntry, pgm previews (Dunn)
- 6025 NIGERIA NBC Enugu; 2250 EE, pops (Padula 4/24) 0518-0537 Vern, Afr mx and some pops, EE at 0530 with M&W in presumed nx (Moritz 5/5)
- 6025 PORTUGAL R. Portugal; 0235-0300 EE, nx by M&W, mx, ID (Sheehan 4/9, Bogel 5/8)
- 6035 BRAZIL R. Globo; 0040-0100 FF, mx, tlk, ads, ID's (Brown 5/4)

- 6035 POLAND Warsaw; 2245-2300\* Polish, relay of HS, tlks, concert. NF  
For this service (Padula 4/24)
- 6035 BOLIVIA R. Panamerica; 1023-1035 SS, LA vocals, M tlking. Good but  
heavy QRM on both sides (Barto 4/5)
- 6040 E. GERMANY RFI; 0210-0235 SS, nx, cmntry, ID (Schwartz 4/1)
- 6045 JAVA RRI Jakarta; 1140-1150 Indo, chanting (Mayer 4/27)
- 6045 SWITZERLAND SBC; \*0430-0500 EE, cmntry, world nx, mx (Thompson,  
Earhart 4/17, Brown 4/11)
- 6045 SWEDEN R. Sweden; 0230-0257\* EE, interview pfm, ID, IS (Conover,  
Brown, McLaughlin) 2305 EE, "The Saturday Show" (Brindle 5/1)
- 6045 URUGUAY R. Dif Del Uruguay; 0938-1003 SS, ID, LA mx, TC's, and nx  
(Tuchscherer 4/26, Field 4/12)
- 6045 FRANCE RPI; 0458-0506 FF, IS, blocked by Switzerland at 0502 and  
freq just a babble (Earhart 4/24) (Padula 4/30)
- 6050 NIGERIA WNRS Ibadan; 2238-2305\* EE, disc, Afr mx, drums to s/off
- 6055 JAPAN NSB; 0730-1100 EE/JJ, tlk, western mx, let's learn JJ at  
1045 (Zilmer 4/30, Brookwell 4/26)
- 6060 SARAWAK RMS Kuching(Miri); 0940-1000 lang, Malay pops to 0957,  
anncing "Inilah Radio Malaysia Miri.." then advising pfm from Kuch-  
ing would follow at 1000. TC&ID for Kuching. Suggests two studios  
but unsched as such in 76 WRTVH (Padula 4/27)
- 6065 SPAIN RNE; 0245-0342 EE, nx, cmntry, NA svc (Conover 4/21, Mark 5/4  
Brindle 4/18, Dubrick 5/1, Sheehan 4/9)
- 6065 COLOMBIA R. Super; 0640-0650 SS, LA pops (Dubrick 5/1)
- 6070 VENEZUELA R. San Sebastian; 1100 SS (Willis)
- 6075 HONDURAS LV del Junco; 1201 SS, ID (Sherman 4/13)
- 6085 INDIA AIR Madras; 1245 lang, IS, ID by W, mx (Mayer 4/19)
- 6085 NETHERLANDS RN; 0200-0300 EE, Easter pfm (Koenig 4/18)
- 6085 W. GERMANY DW; 0027-0150 GG, sports pfm, nx, mx (Koenig) 0442-0512  
GG, mx, vocals, IS, nx & cmntry (Poppin 4/6) (Schwartz 4/10)
- 6090 LUXEMBOURG RL; 0025-0100 EE, rock mx (Haas 4/30) 0505 GG, rel pfm
- 6095 BRAZIL R. Tupi; 2315 PP, tlk, mx, ads (Zilmer 4/22)
- 6095 PERU R. Nacional; 0257 SS, band mx, ID, EL mx (Tuchscherer 5/4)
- 6100 MALTA DW; \*0130-0148 EE, tlks, Sat magazine pfm (Hoffman 4/11)
- 6105 NEW ZEALAND RNZ; 1015-1143\* EE, nx, mx, freq, sched at s/off (Hall,  
Zilmer 4/14, Brindle 4/18)
- 6105 VATICAN Vatican Radio; 0100 EE, rel nx to NA (Zilmer 4/14)
- 6110 FARAGUAY R. Charitas; 1020-1027 SS, LA mx, ID, bulletins, mx, gone  
by 1027 (Tuchscherer 4/26) (T) 2345-0000 SS, frequent reference to  
Argentina and Paraguay, voice sounded Southern SA. R. Nacional good  
same evening (Field 4/9)
- 6115 CONGO RTVC; 2217 FF, Afr mx (Miller 4/17)
- 6115 COLOMBIA Voz del Llano; 0302-0420 SS, mx, ads (Conover, Brookwell)
- 6115 PERU R. Union; 0433-0509\* SS, tlk, TC, ads, ID at 0455, ballads,  
off abruptly in mid-song (McLaughlin 5/4)
- 6120 SPAIN RNE; 0215-0300 SS, orch mx, classical mx, tlks, time pips,  
and several ID's (Thompson 4/29, Willis)
- 6120 SWEDEN R. Sweden; 2300-2330 EE, nx, pfm to NA replacing 6045 at  
this time slot (Zilmer 5/2)
- 6120 ARGENTINA R. El Mundo; 0620-0701 SS, LA mx (Poppin 4/3)
- 6121 COLOMBIA R. Super de Cali; 0015 SS, mx, many ID's, TC (Field 4/11)  
1032-1041 SS, fanfare, tlk, ID, ballads (Moritz 4/25)
- 6125 HONDURAS R. Suyapa; 0000-0125 SS, mx, ads, ID, tlks (Brown 5/4,  
Field 4/11, McLaughlin 5/4) Bishop 4/13)
- 6130 GHANA GBC; 2150-2215 EE, piano mx, ID by W, nx at 2200 (Miller 4/30)
- 6130 W. GERMANY DW; 0357 IS (Sherman 4/17)
- 6134t MALAGASY RTM; 0340 FF, good but Switzerland QRM (Sherman 4/13) Fgm  
details would help.
- 6135 BRAZIL R. Gaucha; 0945 FF, tlk, pop mx (Zilmer 4/19)
- 6135 SWITZERLAND SBC; \*0145-0215 EE, nx, cmntry, TC (Thompson 4/21,  
Sheehan 4/14) 0300 GG, cmntry (Koenig 4/18)
- 6140 AUSTRALIA ABC Perth; 1030-1100 EE, rel svc, nx (Brindle 4/18)
- 6145 W. GERMANY DW; 0200-0235 GG, IS, ID, tlks, mx (Thompson 4/17)
- 6145 FRANCE RPI; 1800 GG, ID, nx (Wooten 3/27)
- 6150 COLOMBIA LV de Huila; 0508-0517 SS, LA vocals, ID by M (Moritz 5/6)
- 6155 AUSTRIA ORF; 0145 EE, ID, nx (Follard 4/26) 0330-0357 EE, nx, opera  
mx (Earhart 4/17)
- 6165 BRAZIL R. Cultura de Sao Paulo; 2300 PP, tlk, mx, ads // 6015,6095,  
11765, 11805, 11925 with network pfm (Zilmer 4/22)
- 6165 NETH. ANTILLES RN Bonaire; 0230-0505 EE, DX Juke Box, mx, tlks  
(Woltman 4/24, Poppin 5/2)
- 6170 COLOMBIA LV de la Selva; 0905-0925 SS, mx pfm (Lausevich 4/29)
- 6175 COSTA RICA Faro del Caribe; 0400 EE, rel hymns (Sherman 4/11)
- 6175 MALAYSIA Kuala Lumpur; 2210-2215 Malay, Koran recitations, ID at  
2215 for HS. Normally not on till 2245 (Padula 4/12)

- 6180t GUATEMALA R. Nacional; 0709 SS, TC, instru mx, only LA listed for 24 hrs on 6180 (Sherman 4/23)
- 6180 VENEZUELA R. Turismo; 1100 SS (Willis)
- 6180 NORWAY R. Norway; 0415 NN, s/off of EE pgn and into NN nx (Thunberg)
- 6180 UNID. 0153 AA, singing by M, no // found (Mayer 4/26)
- 6180 LIBERIA VOA Monrovia; 0700 FF nx, rock mx (Sherman 4/23)
- 6180 COLOMBIA R. Nacional; 0703-0800 SS, mx, ads, ID (Poppin 4/3)
- 6185 NORWAY R. Norway; \*0055-0101 NN, IS, M&W tlking, ID (McLaughlin)
- 6185 ECUADOR HCJB; 0429 Rumanian/Russian, a bit weaker than TWR-6190 (Hauser 5/4)
- 6190 NETH. ANTILLES TWR Bonaire; 0400-0438\* RR/Hungarian, vocals, tlk in RR, organ mx, ID in EE (Thompson 4/15)
- 6190 RUMANIA R. Bucharest; 0130-0200 EE, mx, travel nx (Pollard 4/13)
- 6195 NIGERIA NBC Sokoto; 2208-2305\* EE/Vern, lcl mx, chanting, ID and nx at 2300 and off with NA at 2305 (Brown 5/2)
- 6195 MALAYSIA BBC Tebrau; 2305-2320 EE, nx, cmntry (Brown 5/2)
- 6200 ALBANIA R. Tirana; 0145-0200 EE, cmntry (Pollard) 0335 EE, nx and usual propoganda (Sheehan 4/10)

Just made 4 pages this month so hope Alan has a lot of filler material. I trust everyone will have an enjoyable summer, and if you do get to the radio...report so we will have something to fill these pages with.

73's  


Radio New Zealand: RNZ not off SWBC completely, RNZ was heard one day only 5/22 at \*0245 for live coverage of cricket match on 15380. (MAYER)

## Voice Of America Powerful Musical Plug Into U.S.S.R.

By MILDRED HALL

WASHINGTON—Would you believe an American disco show live from the Kremlin, with the joint blessing of the U.S. State Dept. and the U.S.S.R. as part of the customarily staid cultural exchange program?

Staffers on that little-publicized government arm, the Voice of America, looking to the future, say, "It would not be easy—but it can and will be possible."

One of the moving forces would be the VOA's expanding and strongly current music programming beamed to the Soviets in their own language. The VOA may be the biggest promotion arm for future sales of American recordings of everything from rock to salsa to country and classical in that huge country. VOA's mail from Soviet fans project that.

Even before the Russians suddenly ceased jamming VOA radio broadcasts more than two years ago, in September of 1973 to be exact, the VOA's musical detente was gaining in reach and popularity. Now, its dance and musical variety programs are freely and openly available to millions of Soviets, from the big cities to the outer regions of Siberia.

Would you believe a popular record market where more than one-half the population is under 30, and traditionally oriented to music and dance?

The VOA, broadcast voice of the U.S. Information Agency, beams information on how Americans live in 35 languages to different parts of the world from its 114 transmitters. The importance of popular music was

not always recognized as it is today in VOA programming. Most people here still think of VOA as sending out predominantly jazz or classical music—when they think of it at all, especially vis a vis the Soviets.

Far from it. The VOA beams 10 hours weekly of every kind of musical programming, with the emphasis on American recordings and performers. Programs are repeated to hit the most receptive hours, in differing time zones. Soviet youth is offered music for listening, special programs for taping, and for dancing.

In Moscow, for example, a listener can pick up a Saturday night dance program from 8:30 to 10 p.m. with a variety of dance music from rock to Latin. From 11:30 to midnight there is a different program each week, featuring current pop, or classical or jazz or whatever.

The VOA's newest musical brainchild is the "Now Sound," which boasts the "latest and hottest" of the recordings at the top of the charts. VOA's own bilingual deejay and host, Bill Maguire, is as familiar to U.S.S.R. listeners as a nationally popular deejay would be here to U.S. fans.

Maguire broadcasts a youth-show feature he calls "Pop cult notes"—which sometimes come right out of Billboard, from this publication's Moscow correspondent Vadim Yurchenkov.

Maguire has put on music and talk from Washington, D.C.'s young (21) disco deejay Joe Cipriano (WSKY-FM) or WMOD's Mike Fitzgerald, among others.

Recording artist interviews have ranged from Ray Conniff to the Beach Boys. He haunts the discos here and makes up his own list for his disco dance show, without waiting for them to climb the national charts.

He is glad to report the VOA is getting far more and far better recordings than in the old days—the result of a six-year campaign, plus the dawning realization by the fund dispensers that current music has terrific pull and popularity among U.S.S.R. listeners.

Here are some of the other music segments going to the U.S.S.R. in their own language:

A 15-minute "Music For Recording" program with the latest recordings it can get, aired three times a week, with a twice-weekly rock show and a once-a-week country music segment.

For classical music lovers, a weekly 30-minute program featuring American composers, conductors and performers. Music from movie soundtracks and musical shows gets a half-hour variety program.

There are two separate music-by-request programs, called "Pop Concert I" and "II." They are on three times a week—and the Beatles are still high among the requests, say VOA staffers, as is country music.

Jazz is, as always, a big favorite in the U.S.S.R. The Soviets can hear "Conversations With Willis Conover" for 30 minutes; a "Jazz For Collectors" for 45 minutes; and "Jazz News," a 15 minute program—all under the Conover baton.

## SECTION "C"

Log EDITOR: TOM GAVARAS

6201-11700

Report DEADLINE: 12TH OF MONTH



REMEMBER! ALL REPORTS SHOULD BE SENT TO THE DISTRIBUTION EDITOR: GREG RAVENHORST, RURAL ROUTE, HOLLANDALE, MINNESOTA 56045!

- 6338 KOREA (NORTH) R. Pyongyang; 2050-2106 FF. Children choir, Korean operatic mx, man and woman announcers. Poor. //9977 (McLaughlin).
- 7050 EGYPT R. Cairo; 0306-0436 AA. Chants, Voice of Arabs pgm. Man & Woman announcers, Egyptian vocal mx (McLaughlin).
- 7065 ALBANIA R. Tirana; 0100-0130 SS. Nx & cmntry. ID, IS. Poor (Lalande 4/14).
- 7090 ALBANIA R. Tirana; 0439-0446 Greek. W tlk, martial mx. Poor (McLaughlin).
- 7105 ASCENSION ISLAND BBC RELAY; 0256-0320 EE. IS, ID, frequencies, time pips, world nx, Nx about Britain, The World Today (Thompson 4/30). 0534 FF. BBC African Service. Continued in Hausa at 0545 (Poppin 4/3). 0645 EE language lessons. Id in FF (Schwartz 4/6).
- 7115 USSR R. Moscow; 0447-0452 EE. Tlk by M & W. Cmnty // 7150. Fair (McLaughlin).
- 7120 ALBANIA R. Peking Relay; 0122-0134 EE Id, mx, nx. Fair (Alder). 0155 EE w/ECHA pgm, Id, schedule, IS. Moderate ARO QRM. (Schwartz 4/16). 0305-0400 EE w/Id, tlk on coal development, cmntry on the dismissal of Teng Hsiao-Ping, female vocalist sang something about Chairman Mao. 0355\* w/international (Manley, Bogel, Sheehan).
- 7120 USSR R. Moscow; 0356 IS, TC. Out after R. Peking Albania relay s/off (McLaughlin).
- 7120 GREAT BRITAIN BBC; 0557-0612 EE. "Letters from America", Alistair Cook cmntry on A. Solzhenitsyn's treatment in the U.S.A. (Poppin 4/3).
- 7125 GUINEA Rdf Nationale; 0115 (t) with continuous African mx. Singing w/Drums. (Conover 5/3). 0242 (t) language probably FF. Fair w/ARO QRM (Sherman 4/17). 0330 FF w/African mx, choir (Zilmer 4/28).
- 7143v ALGERIA RTVA; 2300 mx, SS nx & R. Argel ID's. New service to Latin America; 0000 Voz de la Resistencia in SS to 0029\*. Good (Behr 3/31).
- 7145 POLAND Polish Radio; 0225-0315 EE & Polish. North American Service, nx, cmntry, asking for reports, piano IS, Id (Conover 4/27).
- 7150 USSR R. Kiev; \*0030-0100\* EE. IS, world & home nx, mailbag, IX info. Ham QRM. (Hoffmann 4/11, Manley 4/20).
- 7150 USSR R. Moscow; 0136-0145 EE nx, cmntry of statement made by Castro, mx. // 7165, 7205 (Alder). 0447-0452 EE cmntry // 7115. Fair (McLaughlin).
- 7165 ETHIOPIA BTLF; 0400 EE. Id, nx. Heavy HAM QRM (Thunberg 5/9).
- 7165 HYUKYU ISLANDS VOA RELAY; 1325-1410 EE nx roundup, Press Conference USA pgm, nx in Special EE. (Rojewski 4/15, Thompson 4/17).
- 7170 GREECE VOA (Kavala); 0510 EE w/nx & ID (Schwartz 4/11).
- 7170 NEW CALADONIA R. Noumea; 0610-0820+ FF w/cmnty, ID's, pop mx "Fly Robin Fly", etc. (Schwartz, Brindle). 1033-1102 FF mx & tlk pgm (Hall 4/24).
- 7180 MALAYSIA BBC RELAY; 1245-1305 EE by Radio, Vocals, Time Pips. 1300 into Cantonese tlk (Thompson 4/30).
- 7185 SOUTH AFRICA R. South Africa (Not R. RSA) suddenly opened 0527 5/2 under, then over BBCWS (UK) on same freq.; not sure if new for J76, but think so (Hauser).
- 7195nf ROMANIA R. Bucharest; Heard well at 1355\* (Willis-Australia).
- 7200 GREAT BRITAIN VOA RELAY; 0600 EE w/The Breakfast Show (Rojewski 4/26).
- 7205 USSR R. Moscow; 2300 EE. Nx, facts about US elections, Soviet Way of Life pgm. (Talbot 4/21).
- 7210 USSR Khabarovsk; R. Moscow relay, Organ IS into R. Pac. Ocean pr dx Vladivostok. (Brookwell 4/22).
- 7215nf GREECE VOG; 2205 Greek to S. America. (ex scheduled 5960) (Padula-Australia 3/4).
- 7215 BRUNEI R. Brunei; 1315-1320 EE w/nx about S.E. Asia by a lady (Padula-Aust. 4/10)
- 7215 HUNGARY R. Budapest; \*0200 EE w/IS, Id, nx to N. America, tlk on Sports. Musical requests. Move from 7220. (Earhart 4/10, Brown 5/6, Gavaras 5/11). 0300 EE & mx, 0330 Hungarian // 6000. Both Good. (Behr 4/19).
- 7220 AUSTRALIA R. Australia; 1131 EE w/Local TC. Fair (Sherman 4/13). 1230 EE w/nx to Papua New Guinea // 9580 (Zilmer 5/2).

- 7220 ZAMBIA R. Zambia; Bird call clearly heard at 0558. Station then signed on at 0600 under VOA w/mx & vernacular announcements by Man. This was the 10 KW HS not the 50 KW weekend service which signs on a few minutes earlier. Pleased with this one! Only heard once (Willis-Australia).
- 7225 PHILIPPINES FEBC; 1240-1330. Orchestra mx, vocals, Laotian tlks. 1300 Japanese vocals, JJ tlks. (Thompson 4/29).
- 7225 RWANDA DW RELAY; \*0928 IS, GG ID. Good w/Het & ARO QRM (Sherman 4/14). 0430-0515 ES, IS, ID, nx, orchestra mx, cmntry on Middle East & Kissinger (Thompson 4/17).
- 7240 NORWAY R. Norway; \*0500 Norwegian. IS, ID. HAM QRM. Poor signal (Mayer 4/20).
- 7250 USSR R. Moscow; 2345 EE w/News Comment & Mx pgm in North American service. Cmnty on investigation of U.S. secret service (Talbot 4/29). 0145-0200 EE cmntry, mx //7150 (Brown 5/6).
- 7270 GREECE VOA RELAY; 0503-0535 EE w/Breakfast Show, nx, mx, etc. Good. (Bishop).
- 7270 SOUTH AFRICA RSA; 0440. Mx pgm. Language according to WRTVH is Lozi (Brown 4/8).
- 7275 CYPRUS BBC RELAY; 0230-0300 EE w/Id, interviews, etc. V. Good (Bogel 4/19).
- 7275 ITALY RAI; \*0415 II & EE "Noticias dal'Italia, Programma Mediterraneo" Id (Schwartz)
- 7275 TUNISIA RTVT; 2200 AA tlks & chants to 0035\* w/anthem (Behr 4/20).
- 7275 NIGERIA VON; 0555-0655\* EE w/mx, mx, Id, features, disc of Nigerian drum mx, etc. (Pollard 4/19, Schwartz 4/1, 4/6, Sheehan 4/10, Brindle 4/18).
- 7280 LIBERIA VOA RELAY; 0330-0355 EE w/African Safari, nx, comments on South Africa, orchestra mx (Thompson 4/25, Sherman 4/11).
- 7290 AUSTRALIA R. Australia; 0826-0831 EE w/mx then listed frequencies in use: 5995, 6005, 7290, 9530, 9585, and 9570. Then Id (Brindle 5/9).
- 7300 John Moritz send the following concerning his report in May LRC of Tadzhik on 7300. "QSL in for 3/25 reception from Mrs. S. sez site is Kanan. They apparently made the proverbial switch sometime between my report & Roger Legge's QSL. Sorry to mislead everybody, but that happens with the Russian sites." Do you get the feeling that the Soviets do this only to confuse us IX-era??? -editor-
- 7300 ALBANIA R. TIRANA; 0330-0355\* EE. cmntry on imperialistic US & USSR (-whats new?) & usual propaganda (Manley 4/14, Thompson 4/29, Bogel, Sheehan, Talbot).
- 7325 GREAT BRITAIN BBC; 2300 EE w/World Service, nx, pop mx (Talbot 4/2, 4/29). 0345 s/on "London Calling" in EE into AA. Usual wailing songs (Brookwell 4/22).
- 7345 CZECHOSLOVAKIA R. Prague; 0232 SS M & W tlk (Brookwell 4/22). 0321-0357\* EE w/mx, Id, "DX Microphone" w/tlk on Skip Zone (Aston 4/23, Poppin 4/16, 4/19).
- 7355 USSR R. Vilnius; 0030-0100\* EE w/Soviet nx, mailbag program, talk on May Day. (Hoffman 5/2).
- 7360 USSR R. Moscow; 2125-past 2200 EE. Facts about Lenin, class mx, nx (Talbot 4/22). 0410 (Armavir) SS pgm to L. America. Propaganda and no music. Moscow relay IS & new SS L. America pgm. IS at 0410 (Brookwell 4/22).
- 7462.5 ISRAEL IBA; 0430-0440 Hebrew. Short tlk, then a Piccolo or clarinet solo w/big Philharmonic orchestra background. Then another orchestral number (Barhart 4/22).
- 7375 VIETNAM VOV; 1215 tlk in lang. // 10060 (Zilmer 4/17).
- 7412 ISRAEL IBA; 2009 EE nx about Isreal (Yajko) 2215 FF, 2230 EE nx, cmntry (Schwartz).
- 7417 VIETNAM VOV; 1200 lang. Tlk & mx // 7470, 10225 (Zilmer 4/17).
- 7500 AUSTRALIA TIME STATION VNG; Time pipe, Id, etc 0635 (Brookwell 4/22). 0749-0752 time pipe (Brindle 5/9). 1300-1315 (Mark 4/19).
- 7512 VIETNAM Tay Nguyen; 1100 & 1200 lang. Tlk & mx (Zilmer 5/1).
- 9022 IRAN VOI; 2020 EE ID by Woman, mx. Poor-Fair. No QRM (Sherman 4/23).
- 9360 SPAIN Radio Television Espanola; \*2300 IS, ID, TC, mx (Gearhart 5/7, Gavaras 5/17). 0011 SS mx, nx, IS (Short), Id (Poppin 4/28). -Note: They now use R. TV Espanola instead of RNE -Editor-
- 9410 GREAT BRITAIN BBC; 2117 EE mx, 2139 books & writers (Gearhart 5/8). 0006 EE nx, cmntry, Id (Poppin 4/28).
- 9420 KOREA (NORTH) R. Pyongyang; EE 1200-1350\* Identification as "Korean Central Broadcasting Station, nx, cmntry, nx, frequency and time at sign-off. Id. (Zilmer 4/15).
- 9435nf ISRAEL IBA; 2000 EE nx to Europe. 2230 EE nx to North America (Zilmer 5/2). \*2230-2300\* EE TC, ID, nx "This Week in the News" pgm. // 9435, 9815, 11625 (Gearhart 5/8) 2245. North American Service with special pgm for Canada//9820, 11625, 12045. Also sked at 0500 but not heard 5/2 (Hauser 5/2).
- 9443 ESPIANUMEROS; 0802 SS. Number code in three digit groups. Each group preceded by word "attention" (Schwartz 4/16).
- 9460 USA WNEW RELAY; 0245 EE. WNYC Baseball game. Cincinnati vs Mets. No ID, IS. Just carrier after game and off. (Zilmer 5/6).
- 9460 CHINA R. Peking; 1000 EE cmntry (Zilmer 4/19).
- 9465 PAKISTAN R. Pakistan; 2100 EE to United Kingdom. talk (nx?) by man mixed with rock & roll mx. Gave address, requested prm comments and requested reception reports frequently. Fair. (Sherman 4/23).
- 9470 USSR Moscow Radio; RR 1952-2100. Mx, cmntry, USA vs Polish Sports, Sport reviews, ID, IS, chimes "Moscow Nights", TC, Excellent folk song last half hour (Poppin 4/14).
- 9475 EGYPT R. Cairo; 0200-0330\* EE mx, tlk, Bach's selection, Charming and Exotic mx, etc. (Pollard 4/26, Manley 4/16, Poppin 4/27, 4/20, Bogel 4/21, Sheehan 4/13). 2345-2356 AA, songs, Call to Prayer, march mx, etc. (Poppin 4/28).
- 9480 ALBANIA R. Tirana; 0445 EE Id, cmntry by a woman. 0445\* (Rojewski 4/26). 2048 EE "US Imperialism, US Imperialism...." Broken record (HI). Good. (Sherman 4/23).
- 9480 CHINA R. Peking; 0001 SS. EIR Chimes, nx. (Poppin 4/28).

- 9500 USSR R. Moscow; 0223-0500\* EE w/news Comments & mx, mailbag, etc. Last year used 9505. N. America Service. (Behr 5/2, Hauser 5/2, Bogel 5/10, Thompson 5/1, Gavaras 5/11)
- 9500 USSR Magadan Radio; 0545-0551 RR ID, cmntry on Lennin's birthday. (Poppin 4/21).
- 9505 CZECHOSLOVAKIA R. Prague; 1045 EE. International pgm. Local mx, cmntry. 1100 Lang. 9505nf SPAIN RNE; 1710 IS, 1729 SS pgm in QRM//11920 (Behr 4/18). (Zilmer).
- 9505 JAPAN R. Japan; 2000 EE sign-on (Yajko 4/26). 0500 EE nx & cmntry (Poppin 4/3).
- 9505.5 PERU R. America; 0400 LA mx & SS ads, past 0500. Good. (Behr 5/2).
- 9505 SUDAN R. Omdurman; 1800-1820 AA w/Id by OM then into AA mx (continuous). F. (Mayer).
- 9510 INDONESIA RRI (Ujung Pandang); 0610 Indo. Listed to be off the air at this time.
- 9510 KOREA (NORTH) KCBS-R. Pyongyang; \*1100-1152\* lang & mx//11535. (Zilmer) (Willis-Aus).
- 9515.2 MEXICO LV de la Am. Latina; 0100 pop mx, SS ads & ID, past 0500. Not Daily. Fair signal (Behr 4/25).
- 9515 SICILY RAI; 0500 bells IS, ID, Turkey QRM. Only momentarily audible. 5 KW! (McLaughlin 5/2). -Interesting-
- 9515.5 UNIDENTIFIED; Peru? 0415 LA mx & SS announcements to 0500 fade-out, drifted up 100 Hz; heard only 4/23; not Mexico, but Peru used to be on 9520 (Behr).
- 9515 LIBERIA VOA RELAY; 1900 IS, EE. Fair signal. Unidentified QRM (Sherman 4/23).
- 9515nf AUSTRALIA R. Australia; 1230 EE w/nx in brief//7220, 9500, 9770 (Zilmer 5/2). 1300 JJ, 1400 EE; fair (ex 9750) (Behr 5/7).
- 9515 TURKEY VOT; \*2200-2326 EE w/nx, cmntry, DX Corner, Turkish mx, cmntry on Turkey economy, etc. (Hoffman 4/18, Koenig 3/28, Pollard 4/12, Hall 3/13, Sheehan 4/18, Miller)
- 9520 NEW ZEALAND RNZ; \*0857-1000 EE w/Bellbird IS, mx, nx (Zilmer 4/19, Ravenhorst 4/24)
- 9520 PAPUA-NEW GUINEA NBC; 0645-0730 EE w/U.S. pops, Id, religious tlk, special nx, quiz show, etc. Flabby modulation on local talk programs. (Bishop, Conrad 5/6).
- 9525 INDIA AIR; 2215-2230\* EE nx //9912, 11620, 11740 (Aston 4/10, Zilmer 5/1).
- 9530 USSR R. Moscow; 0200-0235 EE w/nx, comment & mx. Aired on 16 freqs! (Brown, Gavaras).
- 9530nf SEYCHELLES FEBA; 1700 Parsi, Urdu & Somali, 1801 AA; in QRM. (Behr).
- 9533 PERU R. Nac. Tacna; 0115 SS nx, 0130 ads & Peruvian mx. Good (Behr 4/26). 0240 SS w/LA mx, many ID's and a very high noise level. Poor. (Aston 4/10).
- 9540 GREECE VOA RELAY; \*0300-0310 EE ID, RR pgm with QRM (Brown 4/22).
- 9540 CZECHOSLOVAKIA R. Prague; 2340-2345 SS tlk (Dubrick 4/15). 0132 EE nx by Man to N. America. Fair, no QRM (Sherman 4/28). \*0300 EE nx, QRM. (Aston 4/18, Gavaras 5/11).
- 9545 SYRIA SARBS; 2051-2101\* EE tlk by Man on situation in Lebanon. ID, then into military type anthem and off. Thought this was scheduled to 2200? (Moritz 5/3).
- 9545 PHILIPPINES VOA RELAY; 2300 EE w/Breakfast Show (Rojewski 4/14).
- 9654 THAILAND R. Thailand; 1245 mx, Thai & EE ID to 1349\*, varies to 1353\*. (Behr).
- 9560nf SPAIN RNE; SS 2045-2050+ w/IDs (Padula-Australia 4/14).
- 9566 CHILE R. Mac. del Chile; 0134-0156 SS mx, ads, Id. Severe Hum (Poppin 4/1).
- 9570 ROMANIA R. Bucharest; 0126-0139 EE ID, mx. QRM (Alder)
- 9570 AUSTRALIA R. Australia; EE 0805 w/US pop mx (Schwartz 4/16).
- 9575 ITALY RAI; Italian 0239. Talk & very nice mx. Poor signal (Gavaras 5/11).
- 9575 INDIA AIR; 1310-1320 Lang. sitiar & other local mx. Fair (Mayer 4/19).
- 9580 PHILIPPINES VOP; 0738-0750 EE w/mx, trade talk. Poor (Alder).
- 9580 AUSTRALIA R. Australia; \*1100-1145 EE nx, mx (Gearhart, Thunberg, Haas, Woltman, Lalande)
- 9585 NEW ZEALAND RNZ; 0751-0810 EE w/mx, bird IS, weather, nx. Fair (Alder).
- 9585nf HUNGARY R. Budapest; 0115-0130 SS to S. America, may replace where inaudible on 10/4 (Padula-Australia). 0209-0229 EE nx, "On the House". BBC QRM (Sheehan 4/21).
- 9585 JAPAN R. Japan; \*0500 EE w/IS, ID, nx. Fair (Mayer 4/20). 1106 EE ID, nx (Conover 4/19). \*1500 EE ID, nx, Buried under QRM after 5 minutes (Thunberg 4/19).
- 9585 SOUTH AFRICA RSA; 2051 IS heard faintly, too poor to copy. Bad Het (Talbot 5/1). \*2230-2320\* EE nx, etc. Ann new // 4875 (Hoffman 5/2, Poppin 4/4, 4/27, Aston 4/7).
- 9587t SOMALIA R. Mogadishu; Odd AA sounding lang. (possible Amharic) 0450 w/E. African mx. Reasonably good despite Paris QRM after 0500. Heard till 0550 fade-out. Similar reception & fade-out to Ethiopia 9611; points to Somalia. Ultra-tentative (Cosier). NETHERLAND ANTILLES R. Netherland; \*0156 SS w/IS, Id (Conover 4/14). Aus. 4/16
- 9590 ETHIOPIA ETLF; 0335 Malagasy. Not on 9510 this day. (Padula-Australia 4/10).
- 9590 MALAYSIA BBC RELAY; 1345 Burmese, Viet & other to 1500\* (Behr).
- 9595 JAPAN NSB; 1200 JJ, 1530 EE pgm & ads to 1616\* G. (Behr). 1218 JJ tlk by M&W (Miller)
- 9600nf SPAIN RNE; SS nx & cmntry-names of many Spanish cities, Id (Bogel 4/11). 0100 SS & mx to 0500\*; G 4/18; next day on 9630 (Behr). 0438 SS//9360. Mix BBC-Asc FF (Hauser).
- 9605 SWEDEN R. Sweden; 2300-2330 EE nx, etc. (Hoffman, Sheehan, Dubrick, Earhart).
- 9605 UNID. BBC; 0400 EE World Service nx. Weak in QRM. Site? (Behr 4/18). -Try Cyprus-
- 9605 VATICAN RADIO VATICAN R.; 0059-0114 EE w/religious cmntry, etc. (Manley, Earhart).
- 9610 AUSTRALIA ABC (Perth); 1340-1600\* EE Soccer, Id, etc. Relig. at close (Poppin 4/24, Larson 5/1, Rojewski 4/15).
- 9610 ALGERIA RTVA; 2100 "Polsario" pgm for Sahara, in AA & some SS; 2200 canary IS & "LV de Canaria Libre" in SS, 2301 "R.Argel" SS pgm to LA, nx, to 2358\* F (Behr 4/25)
- 9611.5 ETHIOPIA R. Ethiopia 0450 Amharic (?), African mx 0455. Better than ABC9610! (Cosier)
- 9615 INDIA AIR; 1615-1715\* RR pgm & mx. Fair (Behr 4/18).
- 9620 YUGOSLAVIA R. Belgrade; 2200-2215\* EE nx. (Hoffman 4/20, Dunn 5/2).
- 9620nf ECUADOR HCJB; 0335-0400 (ex 9625) RR for Europe (Padula-Australia 5/2). 0430 RR. Barely audible, due geomagnetic storm but // 6185, also new; finally off CBC-NS channel & nudging up to another missionary outlet, KCEI-9615. (Hauser 5/4).
- 9621.3 VIETNAM (Saigon?); 1020 VV tlk & songs, past 1230. Fair. (Behr 4/18).
- 9630 CZECHOSLOVAKIA R. Prague; 0100-0200 EE nx, cmntry, Tour of Prague, etc. (Koenig 4/18)
- 9630 SWEDEN R. Sweden; 1108 EE nx of Kissinger visit (Dunn 4/28).

- 9630 SPAIN RNE; \*0050-0200+ SS IS, ID, TC, mx, nx (Brown 4/11, Conover 4/14).
- 9635 SINGAPORE R. Singapore; 1230 CC tk, 1430 CC mx. Fair (Behr 4/19).
- 9640 KOREA (SOUTH) KBS R. Korea; 1150-1200 EE interview with Italian on Sports (Zilmer).
- 9645 COSTA RICA TIFC; 0410 EE religious pgm/6175. Fair, no QRM (Sherman 4/11).
- 9645 NORWAY R. Norway; 0420 EE Listeners Corner, Id, freq. 0429\* (Rojewski 4/26). \*0455 EE ID by YL then into Norwegian. (Nebron, Mayer). -Alan also says he hrd Tromoso7240!
- 9645rf CHINA R. Peking; 1100 RR. Sloppy jamming by USSR (Willis-Australia).
- 9648,4 CHILE "Dimension 146", 0030 mx & SS ads for "R. Tiki"; Id listed in WRTWH 76 as "R. Diego de Almagro". (Behr).
- 9655 USSR R. Moscow; 0012 EE Pair/9685, 9720 (Sherman 4/28).
- 9660 VENEZUELA R. Rumbos; 0330 SS mx & ID (Manley 4/7). 0940 SS ID, LA mx (Thunberg 4/26).
- 9660 FRANCE RFI; 0500 FF w/IS, theme mx, pop mx, Very Poor (McLaughlin 4/9).
- 9665 GERMANY (EAST) RFI; 2204 multilingual sked annts for Europe, in FF, Swedish, EE, GG, Italian; 2209 IS & repeat; clear freq (Hauser)\*2203 IDs in 6 langs, 2215-2300\*PF pgm
- 9670 SAUDI ARABIA BSKSA; 2154-2218 AA, HS, Near Eastern mx, F. (McLaughlin). (Behr)
- 9670 JAPAN R. Japan; 1707-1730\* FF Id, tk, mx, EE ID at close (Tuchscherer, Poppin).
- 9670 PORTUGAL Stimm des Glaubens; \*1630 Sat's in GG into RR 1645 mentioning a P.O. Box 90 in Zurich, into TBRA 1700. Via RTE at Sines (Conier).
- 9670 PORTUGAL IRR; 1830-1930 lang. Religious mx w/EE IDs at 1900 & 1930 (Aston 4/25).
- 9673 BRAZIL R. Diario de Manhã; 0935-1000 SS mx. Very Good level (Lausevich 4/20).
- 9675 UNIDENTIFIED; 0435 instrumental mx, w/second-long xmen breaks; but off for 7 min. at 0439; 0507 went to tone and off 0509, still unreturned by 0543; tho full temporary fadeouts may have become permanent by then; only stations on band left were HCJB-9560 & traces of Bonair-9715. Never any announcements or vocal mx for lang. clues. Would R. del Pacifico do this, or is it a biggie test? (Hauser 5/4).
- 9680 IRAN R. Iran; 2015-2020 Parsi w/relay of R. Iran-1. Good level (Padula-Austr. 4/11)
- 9680 AUSTRALIA ABC VLR9; 0551-0614 EE tk about womens lib, mx, nx, etc. (Poppin 4/14).
- 9685 AUSTRALIA ABC VLN9; 1304 EE. Fair level but not as good as VLR9 9610 (Larson 4/20).
- 9685 COLUMBIA R. Nacional de Columbia; 0000-0505\*v orchestra mx, SS tk & IDs, classical mx, etc. Announced: 4955, 5985, 6030, 9635, 15355 in El Rosal & Tunja, not Bogota. (Behr, Bishop, Earhart, McLaughlin, Dubrick). 1300-1310 SS IDs, mx, etc (Earhart).
- 9685 USSR R. Moscow; 0006 EE good with slight QRM/9720 (Sherman 4/28).
- 9685 TAIWAN BCC; 1330-1430 CC pgm & mx // 11825; both fair (Behr).
- 9695 SWEDEN R. Sweden; 0230-0240 EE nx, Panorama // 11705 (Mayer) 2300-2330 EE. Replaces 9605. w/Sweden Calling DX-ers (Zilmer).
- 9700 BULGARIA R. Sofia; 2130-2155 EE nx, cmtry on 3 clubs in Bulgaria (Haas 4/14, Sheehan 4/18). 0400-0430 EE ID, nx, cmtry on Kissinger, etc (Aston 4/24, Thompson 4/25)
- 9705 MEXICO R. Mexico; 1023 SS w/ID in EE & FF (Conover 4/24).
- 9710mf USSR R. Moscow; 0700-0730 EE for West N. America (Padula-Australia 4/30).
- 9710 ARGENTINA R. El Mundo; 0950 SS ID, mx, tk (Thunberg 4/26).
- 9710 ITALY RAI; \*1935+ EE w/IS, ID, list of frequencies, nx. Poor. (Aston 4/25).
- 9715 HOLLAND R. Nederland; 2145 Dutch Id, Symphony mx (Poppin 4/26).
- 9710,2 INDONESIA VOI; 1200 CC & mx, 1300 FF in QRM/11789; fair. New sked (Behr 4/18).
- 9715a MOROCCO VOA RELAI; 0305-0323 EE w/Breakfast Show, etc (Bogel 4/21).
- 9715mf GREECE (Thessaloniki); Greek service, Greek Orthodox Church Service pgm on a Sunday, 0620-0630 during break in Bonair transmission. (ex 9710) (Padula-Australia 4/11).
- 9720t SAUDI ARABIA BSKSA; 0302-0310 AA tk w/ARM (Earhart 4/22)
- 9720 BRIT LANKA SLBC; 1246 EE "Speaking of English" pgm (Larson 4/26). 1610-1640 EE nx, mx, Religious pgm "Way of God Hour". Slight het & fading (Rojewski 4/16, Mitchell).
- 9720v ALGERIA RTVA; 2330 AA pgm & mx, past 2000; new sked? (Behr 4/21).
- 9725 SWITZERLAND SBC; 0142 EE w/IS, ID, frequency, Dateline (Rojewski 4/21). 0520 Italian pgm, plays at 0530 into GG pgm. Very Weak (Brookwell 4/12). 0428 EE w/IS, ID, TC & mx about USSR Atom Missiles (Dunn 4/22).
- 9725mf BELGIUM BRT; 0015-0045 EE w/nx to N. America; replaces 9730 (Zilmer 4/19).
- 9730 GREECE VOG; 0000 GREEK, 0015 EE & FF, 0045 Greek past 0300. Here 4/18 only, next day on 9760. (Zilmer 4/18, Behr 4/18).
- 9730 GERMANY (EAST) RFI; 0142 IS EE ID. Poor (Sherman 4/28). 0356 EE ID, etc. (Rojewski).
- 9735 GERMANY (WEST) DW; 0230 GG mx & tk (Haas 4/16).
- 9740 GREECE VOA KAVALLA; \*0259 ID & EE pgm to Africa; Good 4/20 (Behr).
- 9740 CZECHOSLOVAKIA R. Prague; 0130 EE ID to N. America. Poor (Sherman 4/28).
- 9746v IRAQ R. Baghdad; 1930 EE nx & mx (Tuchscherer 4/14). 2115 FF nx & mx to 2210\* w/ anthem. One day to 2222\*. Varies to 9744.5. ((tentative) Behr 4/27, Aston 4/24).
- 9750 ALGERIA RTVA; 2000 AA pgm & mx, past 2230 // 9685 (Behr 4/12).
- 9750 AUSTRALIA R. Australia; 1300 JJ pgm & mx to 1400\* w/IS //11810 (Behr).
- 9751v ALBANIA R. Tirana; EE w/reg. propaganda. Has varied up to 9754.† probably to avoid interference? (Earhart 4/10 & 4/13).
- 9755mf GERMANY (EAST); Beginning GG for LA 2230. ITU lists Leipzig 100 KW (Padula-Aus 4/2).
- 9760mf KAZAKH SSR Alma Ata; 0000 Kaz. & RR pgms, past 0300; QRM Greece; also 1500 Kaz. & RR to 1935\* w/Kaz anthem; since 4/2 old freqs: 9250, 9380, 10530 no longer hrd (Behr).
- 9760 USSR R. Moscow (suspect Yerevan); 0323-0430 AA mx to Nx at 0330 AA mx & tk to 0400 SS L. America pgm. IS into SS pgm to 0430 R. Moscow ID & fade-out (Brookwell 4/23).
- 9760 JAPAN NSB; JJ w/reporting Sports event, 0500 pips no ID to dead stop 0505 (Brookwell 9760mf)
- 9760mf GREECE VOG; 2300-0015 GREEK, 0015-0030 EE w/IS, IS, Greek nx, etc. 0030 FF. Sked seems to vary (Padula-Australia, Behr, Tuchscherer, Conover, Zilmer, Young, Haas, Manley, Bishop, Earhart, Miller). 0132-0230 Greek IS, ID, etc. 0216 EE nx (McLaughlin, Brown).

- 9770 HAIPI 4VH; 0004-0012 EE pgn (Haas). 2000 EE ID, SS pgn. Poor (Aston 4/25).
- 9777 CANADA RCI; 2100-2157\* EE pgn here 4/23. Next day on 9770 (Behr).
- 9778 ALGERIA RTVA; 2200 AA tlk & mx, past 0230. Here 4/20 only (Behr).
- 9780 USSR; Vladivostok w/R. Pacific Ocean pgn 1800; w/IS into Mayak pgn w/IS (Brookwell).
- 9805 EGYPT R. Cairo; 2200-2250 EE w/nx, etc. (Hoffmann 4/4 & 4/20, Dubrick 4/15).
- 9815 ISREAL IBA; 2230-2300\* EE w/nx, sports, cntry, Id, etc. (Zilmer 5/6, Thompson 4/20)
- 9820 ISREAL IBA; 2230 noted here despite listed and announced 9815. EE w/nx, mx, cntry, Editorial-Mailbox, etc //11625, 12045, 9435. (Hauser 5/2, Manley 4/19).
- 9823 ESPIANUMEROS; 1002 "Atencion 420" & SS numbers by YL, on Sunday (Behr).
- 9977 KOREA (North) KBS R. Pyongyang; 2050-2106 PF w/childrens choir, Korean operatic mx // 6338. Poor (McLaughlin). 1830 Korean w/announcer, organ IS, nx into Female Choral mx (Brookwell 4/13).
- 10060 VIETNAM (Hanoi); HS 0045 w/Woman ann, mixed w/chorus. Weaker than 10040 (Brookwell). 1200 Lang w/mx & tlk//7373 (Zilmer 4/27).
- 10226 VIETNAM VOV; 1200 Lang. tlk & mx // 7417, 7470 (Zilmer 4/17).
- 11300a USSR; 0533 RR Gave Moscow time "8 hours 35 minutes" (8 chasov 35 minout). Mentioned Mayak pgn. Songs by youth. Need assistance! (Poppin 4/23).
- 11532 ESPIANUMEROS; 1600 SS. Romance languages. Professor here says accent is Cuban or Puerto Rican. V. Strong. 1600 slowly weakens (Brown 4/25).
- 11625n ISREAL IBA; 2230-2300 EE pgn to N. America. Better than 12045 (Hauser, Zilmer).
- 11655 ISREAL IBA; 1200-1230 EE w/nx to N. America // 15488, 17685, 15465, 15100. All not heard yet (Zilmer 5/2).
- 11600 ISREAL IBA; 2200 past 0000 Hebrew. Home Service. Tlk, rock mx, ads, nx // 12077 (Zilmer 5/4). -sorry out of place-
- 11683 SAUDI ARABIA RSKSA; 0645 AA w/local mx & some tlk (Wooten-Italy).
- 11695 CLANDESTINE R. Peyk E Iran; 1655-1705 tlk by man in Farsi, then single tone gong & ID at top of hour, followed by more tlk (Moritz 4/11).
- 11699,8 DOMINICAN REPUBLIC R. Clarin; \*2155-2305\*v, SS nx & mx, heard again 5/1 after being off for 3 weeks, very irregular (Behr).

If you have not done so, please fill out and return the NASWA survey form! The survey can only be effective if we can get a large response from the members. Those who do not return the questionnaire will suffer from Greenville spurs on all their favorite DX freqs.

Don't forget to send a letter protesting the closure of Radio New Zealand to the following address: The Minister of Foreign Affairs, House of Representatives, Wellington, New Zealand. Only a major reaction from overseas listeners can change the governments mind! Shorter column so many items were chooped out! Thanks to all who reported. 73, *Tom*

\* \* \* NEW NASWA AWARDS \* \* \*

In keeping with the continuing aim of the NASWA Awards Chairman to keep the NASWA Awards Program dynamic and challenging to the membership, the follow-  
new Awards are announced, effective immediately, for the membership to attempt  
to earn. All rules are the same as for all NASWA awards, and the cost of  
each award is still \$50 in coin or 10¢ stamps (Please, no \$50 stamps--I  
cannot use them!!!!), or 3 IRCs.

- \* NORTH AMERICAN CONTINENTAL DXPERT For verifying 22 North American short-wave broadcast countries.
- \* SOUTH AMERICAN CONTINENTAL DXPERT For verifying 13 South American Short-wave broadcast countries.
- \* MASTER EUROPEAN DX'ER For verifying 35 European shortwave broadcast countries.
- \* ARAB WORLD DX'ER For verifying 15 countries that use Arabic as the Major Language.
- \* ARAB WORLD DXPERT For verifying 24 countries that use Arabic as the Major Language.
- \* SENIOR BRITISH COMMONWEALTH DX'ER For verifying 30 countries on short-wave that are or have been a member of the British Commonwealth.
- \* MASTER BRITISH COMMONWEALTH DX'ER For verifying 40 countries on short-wave that are or have been a member of the British Commonwealth.

These new awards should keep the members busy for a while. In the works are some more new awards, which I will be announcing from time to time. Any suggestions are appreciated!

Dan Henderson, Awards Chairman

# Log

SECTION D

JUNE, 1976

Tom Overcamp

Seneca, SC



# Report

11701+ kHz

- 11705 JAPAN NHK: 2045\* EE, DX pgm, s/off (Nebron 4/11)  
11705 SWEDEN RS: 0230 EE, nx, Panorama, Good, //9695: 2300-2330 EE, to Nam, (Mayer, Zilmer)
- 11705 USA WYFR-Scituate: 1400 EE & SS, "Encounter pgm, SS ID (Aston)  
11705 HOLLAND RN-Lopik: 2300-0020 DD, QRM w/ R Sweden (Brown, Earhart, Poppin) / lard, Poppin, Sheehan)
- 11710 ARGENTINA RAE: 2300-0030 EE, nx, cmntry, mx (Haas, Manley, Pol-  
11710 FRANCE RFI: 0450-0552 FF, ID, mx (Poppin) - Abidjan beam - ed.  
11715 SEYCHELLES FEBA: \*1802-1901 AA, Poor w/ QRM (Behr 4/17)  
11715 SRI LANKA VOA: 1719 EE, nx roundup, "Dateline" (Rojewski 4/22)  
11715 VATICAN CITY RV: \*0630, Excel ent (Willis-AUST) - lang? - ed.  
11715 SWITZERLAND SBC: 0145 EE to Nam, nx, Fair (Sherman 4/22)  
11720 SWITZERLAND SBC: \*0630, Good (Willis-AUST)
- 11720 INDONESIA HRI-Jakarta: 1616-1644 lang w/ some EE, mx (Poppin)  
11720 BRAZIL RNB: 2250-2300\* PP, ID, report on Hydrology and meteorology for ships at sea, ID (Lalande 4/19); 0133-0228 PP, PP & EE mx ID (Poppin 4/18) - both extend past WRTH 1900-2200 listing - ed.
- 11720 USA KGBI-Belmont: 0050-0115\* SS & EE, lang lesson using religious stories, ID (Earhart)
- 11721 USA Intruders KPA65A66: 2005 EE, SSB, discussed what freq to use next, US govt status in SWBC (Hauser 4/19)
- 11725 PHILIPPINES R Veritas: 0045-0115 EE, orchestral mx, ID in EE, TC freq announcs and address at 0100 (Padula-AUST 4/10)
- 11730 MALAGASY REPUBLIC RN-Talata: 2034-2120\* EE, IS, ID, "World of Science," "Saturday Show," etc., (Conover, Thompson); 0715 EE to NZ, man talking abt TV (Brookwell 4/27) - Bonaire listed? - ed.
- 11730 HOLLAND RN-Lopik: 1847-1930 EE, mx, Good (Aston 4/10, Sherman)  
11730 NETHERLAND ANTILLES RN-Bonaire: 2345-2355 PP, nx (Earhart 4/16); 0635-0645 EE to NZ, Fair (Brindle 4/17) - same as Talata rp above
- 11730 SPAIN RNE: \*0800 SS to Aus/Phl, 1 hr early due to summer time in Spain (Padula-Aust 4/14)
- 11735T MOROCCO RTM: 1615 AA, mx, Fair, only this rp here (Sherman 4/23)  
11735 USSR RM: 1140-1201 RR, lght mx, IS, ID (Tuchscherer 4/28)
- 11735 BRAZIL R Cl de Goiana: 2330-2340 PP, M w/ ID at 2330, W w/ samba mx, Good (Mayer 4/24) / rptd to 0300 last month, propagation? - ed
- 11737 UNID: 0240, appeared PP, lght mx (Willis-AUST) - how about above
- 11740 VATICAN CITY RV: 2319-2325 FF & II, PopenPaul w/ Latin midnight mass, FF & II cmntry (Poppin 4/17); 1007-1111 EE & II, possible repeat of above, EE tlks in Irish brogue (Poppin 4/18)
- 11740 INDIA AIR: 2155 EE, lcl mx, TC, freq, pgm sked at 2200 (Zilmer)
- 11750NF PAKISTAN PBC: 2040-2055 Urdu, to UK, //9465, pos ex 7150 (Padula)
- 11750 JAPAN PEN: 0504-0515, EE ID, nx, Weak (Nebron 2/6) - nice!
- 11750 MALAYSIA BBC: 1100, 1430-1515 EE, World Svc (Brown, Beaudoin, Rojewski) - BBC sked has Wrld Svc 0900-1630 only frm Tebrau - ed
- 11750 ENGLAND BBC: 1955 EE, World Svc (many reporters for Tebrau)
- 11760 CUBA RHC: 0330-0430 EE, nx, cmntry, mx (Koenig)
- 11765 CANADA RCI: 0400-0430 CC RR, nx, "Daily Magazine" pgm (Conrad 5/6)
- 11770NF USSR RM: 1030-1100 CC (Padula-AUST 4/25)
- 11775 SPAIN RTVE: 0122 SS, tlks, SS mx, Exc (Miller 5/1)
- 11780 USA WYFR-Scituate: 1855 EE lesson by slow reading frm Bible, SS ID at 1900, Fair w/ QRM (Aston 4/10); 2000 DD, rel pgm, Strong (Brookwell 4/13) - no DD listed in WRTH. Was it GG? - ed.
- 11780 NEW ZEALAND RNZ: 0603-0635 EE, ID, Pac Is Svc (Brindle, Earhart)
- 11780 AUSTRALIA RA: 0330-0510 EE, Annncmt that NZBC Ext Svc cancelled due to drop of government support (Hauser, Conrad, McLaughlin, Padula-AUST, Poppin, Talbot) - get those card & lttrs in to NZBC!

- 11780 BRAZIL RNB: \*2100-2200 EE, nx, mx (Mark, Sheehan, Sherman, Thunberg)
- 11785 BRAZIL R Guiba; 0000-0100 PP, ID, EL mx, Goog (Conover, Hywarren)
- 11790A INDONESIA VOI; 0907-1000 EE, mx, ID, into lang at 0924 (Poppin 4/14); 1100 EE, 1200 CC, 1300 FF, 1400 EE, 1500 AA & mx to 1602\* new sked, strong w/ poor modulation, on 11789 (Behr 4/20)
- 11790 SOUTH AFRICA SABC; 1018 EE, annmnts, TC, clas mx, Unusual reception (Padula-AUST 4/21); 0730 EE, Good (Willis-AUST)
- 11795A COLUMBIA RNC; 0000-0400 SS, tlks, mx, on 11793.3 (Behr 5/7); 1200 SS, apparently replacing 9682 (Legge 5/12) see 11825 also
- 11795 MALTA DW; 0350\* EE, ID, QTH, IS Fair (McLaughlin 5/2)
- 11795 RWANDA DW-Kigali; 2215 GG, ID mx pgm (Rojewski 4/20) /4/13
- 11800 SRI LANKA SLBC; 2000\* EE, annod //9720, lei songs, Fair (Sherman)
- 11805 BRAZIL R Globo; 0150-0216 PP, soccer (McLaughlin)
- 11805 USSR RM-Tbilisi; 2330-0400 SS, to Cuba CAM, //9745 (Legge 5/11)
- 11810 SEYCHELLES FEBA; \*0405-0500\* EE, test transmission to Eaf, per SCDX & May LN-9, IS, ID, mx, request rp, annod //15270, nightly w/ Poor-Good, may end 5/23 (Overcamp); 1555-1630 EE, 1700 Farsi, 1730 EE (Behr, Mitchell, Nebron, Rojewski)
- 11810 INDIA AIR; \*1330-1400 EE, nx, cmntry, mx, Poor (Mitchell 4/8)
- 11815 POLAND RP; 0220-0235 EE, pop mx, freq annmnt, Poor (Mitchell)
- 11825 SOCIETY IS FR3-Papeete; 0150-0900\* PF & Tahitian (7 reporters)
- 11825 SAUDI ARABIA BSKSA; 1525-1555 AA, mx, nx (Mitchell 4/17)
- 11825RFP COLOMBIA R Nac; 1230-1302 SS, nx frm KGEI, RNE, Voz de la OEA, wx, TC, //9682 (Hauser 5/4); 0100 SS, ID (Overcamp 5/6)
- 11829# ALGERIA RTVA; 2220 "LV de Canaria Libre," SS, Poor w/ het, 9610 & 1910 not hrd due to QRM, new freq or drift? (Behr 5/7)
- 11830 VATICAN CITY RV; 1715 EE (Dunn); 1700 Liturgy, AA & lang (Behr)
- 11835 HAITI 4VER; 0000-0030\* EE, rel pgm (Thunberg); 1100 EE (Padula-A)
- 11835 URUGUAY R El Espectador; 0135-0220 SS, ID, nx (Nebron, Sherman)
- 11835 SUDAN R Omdurman; 0410 AA, chants, Good (Willis-AUST)
- 11840 POLAND RP; 1800-1810 Polish, IS, NA, ID, nx, Fair (Mayer 4/17); \*0200 EE & Polish, IS, ID, US pop mx, Good! (Overcamp)
- 11845 NEW ZEALAND RNZ; 0300-0541\* EE, National Pgm (Brookwell, Buras, Brown, Earhart)- see 11780-sad to see go when ECNA recep-was Good at a convenient listening time for us. - ed.
- 11850 SOUTH KOREA KBS; 1155-1232 EE, KK&JJ, pgm info, mx, nx (McLaughlin); 0421 EE, cmntry, waltz mx (Poppin) - is this //11860?
- 11855 PHILIPPINES FEBC; 1615-1630\* EE, rel pgm, ID, IS (Rojewski 4/25)
- 11860 SOUTH KOREA KBS; \*1129-1200 EE, IS, ID, nx, requests reports (Brindle, Conover, Dunn), 1230-EE tlk (L rson); 1230-1245 AA (Behr) 1800-1830 EE, 1830-1900\* KK (Bishop, Behr); 0405-0415 EE (Mitchell) 1030-1100 SS to LA, retimed frm 1130-1200? (Padula-AUST)
- 11860T TAIWAN BCC; 1928 lang, got part of IS watching WRTH, not sked at this time (Sherman 4/22)
- 11865 MALTA DW; \*0130 EE, to NAM, Good (Sherman)
- 11870 NORWAY RN; 0544-0613 NN, EE ID at 0600, //9645 (Brookwell)
- 11870 USSR RM-Kaunas; 2300-0030 EE, to NAM, tx site may be Sofia (Legge)
- 11875 JAPAN NHK; 1125 EE, to SEA, cmntry (Dunn 3/21)
- 11880 TURKEY VOT; 2250-0004 EE, nx, mx (Miller, McLaughlin, Poppin)
- 11880 SPAIN RNE; 0140-0145, 0315-0330 EE, nx, Science Review (Bogel, Thompson) /sked of 0800-1900? - ed.
- 11885# BRAZIL R Maua; 0130-0310\* PP, tlk, mx (Behr) - extension of WRTH
- 11890T OMAN MUSCAT; 0246-0400+ AA, annmnts, chanting, het at 0400 (Young 4/22)
- 11890 PHILIPPINES FEBC; 1110-1130\* EE, listeners request songs. Poor (Beaudoin 4/17); 0015-0045 EE, ex 11885, annod //21515&17815 (Padula-AUST 4/10)
- 11890 USSR RM; 1000 EE, 1030 BS P&P, 11st Ashkhabad? (Behr)
- 11895 SENEGAL RS; 2245-2300+ FF, choir and bells, ID (Ravenhorst 4/24)
- 11895 USSR Khabarovsk; 0630-0700 RR, Opera and Clas mx, Pac Ocean IS at 0700, Poor (Brookwell 4/18) / Thompson)
- 11900 SOUTH AFRICA RSA; 2240-2318\* EE, nx, Panorama, DX pgm (Sheehan)
- 11905 BRAZIL R Globo; 0155-0225, mx, tlk, Good (Lausovich 4/19)
- 11905 ITALY RAI; 2213-2225\* EE, nx, mx, Poor (Aston 4/25)
- 11910 ALGERIA RTVA; 1900-1921 EE, nx (Dunn 3/21); 2100 AA, Weak (Behr)
- 11915T TAIWAN BCC; 1230-1430+ CC pgm & mx, Strong (Behr 4/19)
- 11915 ECUADOR HCJB; 0252 EE, Mailbag (Poppin 4/29)
- 11915 BRAZIL R TV Gaucha; 0250-0300 PP, sports cmntry, QRM de HCJB, P (Brown 5/6); 1003-1005, fluttery signals via Anarctica (Padula-A)
- 11920 IVORY COAST RTVI-Abidjan; 2201-2258 FF, pop mx, nx (Poppin 4/17)
- 11920 PHILIPPINES FEBC; 0928-0945 EE, rel pgm, ID, nx, V Poor (Brindle)
- 11925 NETHERLAND ANTILLES TWR; 0030-0115 EE, 10th Ann of DX pgm, rel pgm (Dunn, Sherman, Thompson)
- 11925 PORTUGAL EN; 1700-2100+ daily PP, listed as 10 kw to Azores relay of Home Service (McNeil)

- 11925 **BRAZIL** R Bandeirantes: 0137-0305\* PP, pop mx, ads, abrupt s/off (Brown, Miller, Tuchscherer) /Sheehan)
- 11930 **CUBA** RHC: 0153-0355 EE, cmntry, LA mx (Bogel, Brown, Brindle)
- 11930 **SPAIN** RNE: 1950-2000 AA, Strong (Padula-AUST 4/12)
- 11935 **SOUTH AFRICA** SABC Springbok R: 1000-1015 EE, unusual (Padula-AUST 4/21); 0730, Good (Willis-AUST)
- 11935 **PORTUGAL** RP: 0245-0300 EE, cmntry (Pollard 5/1)
- 11940 **FRANCE** RFI: 2051-2132\* FF, ID, nx, rock mx (Poppin 4/16)
- 11940 **KUWAIT** RK: \*1700-1900+ EE, nx, US rock mx, QRM (Dunn, Mayer, Miller, Sheehan, Schartz, Thunberg, Zilmer)
- 11940 **ROMANIA** RB: 1300 EE, nx, Good (Beaudoin 4/12)
- 11945 **W GERMANY** DW: 0035-0040 Bengali to SAS, new svc added to 0700 Bengali pgm, EE noted at 0120 (Padula-AUST 5/2)
- 11950 **HOLLAND** RN-Lopik: 2230 SS, Tom Meyer w/ "Happy Station," (Aston) 2122-2220 SS, IS, ID, nx, mx, tlk (Sherman, Thompson)
- 11955NF **SWEDEN** RS: 0030-0100 EE, pgm to NAM, HCJB QRM (Zilmer 5/5)
- 11960 **ISRAEL** IBA: 0344-0412 EE, "Govorit Israel," nx, mx (Poppin 4/21)
- 11960 **LIBERIA** ELWA: 1955-2100 EE, rel pgm, (Mark 4/10)-moved from 11950?
- 11965NF **SPAIN** RTVE: 2145-0016\*, 0100-0500 SS, to Am, //9630, 11945 for first segment (Behr, Legge, Sherman) /Sherman 5/5)
- 11970T **TUNISIA** RT: 2130 AA, non-stop mx, Fair, other possibilities?
- 11990 **CZECHOSLOVAKIA** RP: 1544 EE, Poor w/ QRM 11985 Jammer (Sherman)
- 12000 **AUSTRALIA** VNG: 0020-0050, EE ID at 0029 & 0044, Moscow and Kiev QRM (Brown 4/18)
- 12000 **USSR** RM-Armavir: 0655 EE, RS, M&W tlk, mx, RM IS, //12020 & 12050, Poor (Brookwell 4/27) /Yajko 4/26)
- 12005 **EGYPT** RC: 2126-2209 AA, drama pgm, mx, chants (McLaughlin(T),
- 12020 **USSR** RM: 1255-1305 EE, ballads, nx (Earhart); see 12000
- 12025 **ISRAEL** IBA: 2245-2300 EE, tlks abt wine industry, UTE QRM (Mark)
- 12035 **VIETNAM** VOV Hanoi: 1430 Cantonese, tlk, singing, P (Zilmer 4/25)
- 12045NF **ISRAEL** IBA: 2230-2300 EE, to NAM, //11625, 9820, 9435 (Zilmer 5/4)
- 12075 **N Korea** R Pyongyang: 0601-0640 EE, ID, choir in tribute to Kim Il Sung's mother, cmntry (Poppin 4/21)
- 12080H **USA** KGA-Spokane: 0411-0430+, 8th harmonic, altho none other hrd, abruptly stopped 1 hr after call to station (Young 4/21)
- 12135 **CLANDESTINE** R Espana Independiente: 2039-2044 SS, speech w/ screaming crowd, Jammer under (Moritz 4/25)
- 12175T **ICELAND** R Reykjavik: 1246-1253+, Icelandic tlk & singing, under strong open carrier (Young 4/19&20)-SCDX 1370 rp hrd 1200-1300(30)
- 14996 **USSR** RWM-Moscow: 0510, morse code "VVV CQ CQ CQ DE RWM," repeated 3x in 0510 minute, heavy fading (Young)
- 15004 **USSR** RID-Irkutsk: 0442-0445, time pips, code similar to RWM at 0045, heavy fading in similar fashion to RWM suggesting similar QTH? (Young); RKM-Irkutsk: 0053, time signals, morse code (McLaughlin)-confuses me over ID, but WRTH lists RID 24h, RKM 0000-0100 w/ both from Irkutsk - ed.
- 15009HA **VIETNAM** VOV: 1816 EE, tlk abt elections, Strong (Young 4/21); 1920 FF, nx, tlk pgm (McNeil 4/26)
- 15060 **CHINA** RP: 0338-0431 EE, ID, cmntry (Poppin 4/20)
- 15070 **ENGLAND** BBC: 1550-1830 EE, Wrld Svc (Conrad, Thompson, Sherman); 0600 EE, s/on to ME, Af (Wooten-Sardinia)
- 15085 **IRAN** NIRT: 1419-1551 Parsi, mx, cmntry (Conover, Schartz, Sherman); 0406-0618 Parsi, Strong at times, //9022, 1515135 (Young)
- 15095 **CHINA** RP: 0125-0147 CC, nx, IS, tlk, Fair (Brookwell, McLaughlin)
- 15100 **ISRAEL** IBA: 1210 EE, mx (Miller 5/1); \*2000-2030 EE, to Eur, nx, cmntry (Brown, Nebron)
- 15100 **USSR** RM: 0200-0500 EE, NAM Svc, Good (Brookwell)
- 15105 **JAPAN** NHK: 2300-2315 EE, General Svc, Poor (Brindle 4/15)
- 15105V **GREENADA** RG: 1950-2200\* EE, pop mx, ads, drama: (8 ECNA rps)
- 15105 **FINLAND** RF: 1000-1100\* Fin, Fair (Behr 4/20)
- 15110 **FINLAND** RF: \*1356-1430 EE, annmnt of contest on "Sunday Letter-Box," tlks, new EE/SS IX pgm on Tues (Behr, Earhart, Sheehan, Thunberg)
- 15110 **USA** WYFR-Red Lion: 1710 EE, //15440, QRM (Sherman 4/23)
- 15110 **CZECHOSLOVAKIA** RP: 1600-1610 EE, contest details, buried under WYFR IS at 1610 (Mayer 4/18)
- 15120 **NIGERIA** VON: 0606, nx, annmnt that old equip to be updated and new bought to reach Nigerian states if mil governors agree, EE, (Wooten-Sardinia); 1936 lang, hettng against 15120, off freq? (Sherman(T) 4/23) / (Brown 4/11)
- 15130 **USA** WYFR-Scituate: 0045\* SS, rel pgm to SAM&Car, requests rp
- 15140NF **USSR** RM: \*0330-0350 EE, to WCNA, ID, nx, Fair (Brown 4/20) - not listed in RM sked - ed.
- 15140 **SWITZERLAND** SBC: 1315-1345 EE, stories, cmntry (Earhart, Mark, Beaudoin); 1415-1445 FF, (Lalande); 1500 II (Schartz) /ler)
- 15145 **BRAZIL** R J do Comercio: 2046-0130 PP, ID (Behr, Brown, Yajko, Mil

- 15150 CHILE VOC; 0115 EE, Poor (Manley); 0213 EE, ID, tlk (Miller); 2010-2030 SS (Nebtron); 2330 SS ID into AA (Schartz)
- 15150 USSR RM; 1100-2130 RR, to N Atlantic, //15455,11810 (Legge 5/12)
- 15155 FRANCE RPI; 1605 EE, mx, nx, Good (Miller 5/1)
- 15160 AUSTRALIA RA; 0218-0320, ID EE, //15140, 15190, 15240, 15320, Good (McNeill, Rojewski)
- 15160 USA V of the OAS; \*2345 EE, ID, nx, Good (Brown 5/2)
- 15160T ALGERIA RTA; 2135-2155, AA mx, tr trouble, 1 hr later than WRTH sked, VOA QRM (Earhart 4/29)
- 15165 DENMARK RD; 1644, ID in EE, NA, s/off, Good (Miller 4/17); 1904 EE ID into Danish (Rojewski 4/17)
- 15175 NORWAY RN; 1457 EE ID into EE pgm (Miller 5/2); 0215-0230\* NN, US C&W mx, NN tlk, NA at s/off, Pading, Poor (Mayer 5/6)
- 15175 EGYPT RM; 1538-1541 AA, chants (McLaughlin) - WRTH lists Urdu
- 15180 USSR HC; 2259-2345 EE, ID, cntry on Henry Jackson (Thompson); 0140-0210 CC, RM IS, tlks, no mx (Brookwell)
- 15185 USA WINB-Red Lion; 2130-2220 EE, rel pgm (Brown, Thompson)
- 15185 USSR HM-Ashkhabad; 1130-1230 SAS lang, 1230-1300 EE, RS P&P Weak (Legge 5/12) / Zilmer 4/22)
- 15185 SRI LANKA VOA-Colombo; 0100-0215 EE, nx, features (McNeill 4/22,
- 15190 CONGO RTVC; 1730, ID "This is the Voice of Namibia, the Radio Voice of the Congolaise in Brazzaville," (Barto 4/2); 2130-2140 EE&FF, nx, cntry (Dubrick 4/14, Anderson 3/16, Mark 4/13)
- 15190A USSR BM; 1106-1130 EE, tlk on Pakistani refugees (McLaughlin)
- 15195 AFGHANISTAN RA-Kabul; 1205-1210, Pushto svc (Padula-AUST 4/11)
- 15200 FRANCE RPI; 1600-1700 EE, "Paris Calling Africa," (Conrad, Thompson); \*1500 FF, to Af, //15265, 15300, 15315 (Brown 4/25)
- 15205A USA RCA Global Communications; 1901 EE, for circuit adjstmnt, annd address 60 Broad St, NYC (Manley) - spur or image? - ed.
- 15205 USA VOA-Delano; 0100 EE, quicker s/off with "VOA, Washington DC," but no site ID, new policy? (Hauser 5/3) - noted several VOA s/ons w/ no site ID, but did hear a Phil ID at s/off on 5/22
- 15210 GREECE VOG; 1500 Greek, 1515 EE, 1530-1550\* Greek (Behr 4/28)
- 15215 USA WYPR; 0030 GG, rel pgm (Brown 4/11) /ler)
- 15220 SOUTH AFRICA RSA; 1340-1556\* EE, cntry, clas mx (Beaudoin, Mil-
- 15225A USSR R Yerevan; 0302-0324 Armenian & EE, ID, mx, tlk (Poppin)
- 15225 AUSTRIA ORF; 1845-1855, EE, tlk (Sherman, Tuchscherer); 1730 GG pgm, QRM Tunisia (Behr 4/2) /4/20)
- 15225 E GERMANY RFI; 1825-1845\* EE, ID, "News and Views," (Rojewski
- 15230 CUBA RHC; 2125-2140, AA, ID M tlks (Bogel 5/7); 0230 SS, LA mx /vsw (Tuchscherer)
- 15240 SWEDEN RS; 1620 EE, Poor (Sherman 4/23); 1848-1900+ EE, inter-
- 15240 AUSTRALIA RA; 0101 EE, ID, nx (Schwartz 4/14)
- 15240 USSR R Kiev; 0049-0057 EE, ID, songs (Poppin 4/25)
- 15245 ZAIRE LV du Z; 2100 FF, //15350, Fair (Sherman 4/13)
- 15260 ASCENSION IS BBC; 2000-2100 EE, Site ID, "POP Club," at 2030, Exc (Conrad 5/6) - BBC May sked shows England - ed.
- 15265 FRANCE RPI; 1400-1610\* FF, nx & mx (Behr, McLaughlin 5/1)
- 15270 JAPAN NHK; 2345-0000 EE, ID, nx, tlk, NAM svc (Beaudoin, Schwartz)
- 15273A URUGUAY SODEP; 0010-0200 SS, pop & soul songs including EE, ID freq, nx (Behr 4/23, McNeill 5/2, Zilmer(T) 5/5)
- 15280 PHILIPPINES R Veritas; \*0100, EE ID, TC & freqs (Padula-AUST)
- 15290 PHILIPPINES VOA; 2350-0100\* EE, "Breakfast Show," (Brown, Miller)
- 15290 AUSTRALIA RA; 0515-0523 EE, Keith Glover w/ Mailbag (Poppin)
- 15295 PORTUGAL EN; 2133-2140 PP, election returns (McLaughlin 4/27)
- 15300 JAPAN NHK; 0015-0045\* EE, "DX Corner," nx, cnty (Brown, Poppin McLaughlin)
- 15305 SWEDEN RS; 1358-1430 EE, to NAM, nx, cntry, Mailbag, Fair (Brown, Manley, Earhart) /Mark, Miller, Schartz, Thunberg)
- 15320 AUSTRALIA RA; 0100-0300 FE, to NAM, nx, mx, Letterbox (Poppin)
- 15325 SEYCHELLES FEBA; 1545 EE, rel pgm, under QRM frm AA station at 1600 (Behr 4/26)
- 15325 UGANDA UBC; \*1800-1820 EE, drum IS, ID, pop mx, nx, RCI QRM (McLaughlin 4/4, Moritz 4/10)
- 15325T SAUDI ARABIA BSKSA; \*1600 AA, chants to 1625 RCI s/on, also 1700-1712 at RCI s/on, short AA ID but not same as Riyadh (Behr)
- 15345 ARGENTINA R Nac de Argentina; 1645-1845 SS, US pop mx, clas mx (Tuchscherer 4/21, Zilmer 4/24)
- 15345 TAIWAN VOFC; 0250-0315 EE, CC mx, organ mx, nx of Taiwan, wants pgm suggestions (Thompson 4/21)
- 15345 NORWAY RN; 1410 EE, tlk on high taxes!, Poor w/ QRM (Aston 4/25)
- 15350 ZAIRE LvdZ; 2002-2100, 0109-0226 FF, tlk, mx, //15245 (Bishop, Poppin, Sherman) /son)
- 15355 AUSTRALIA RA; 0227 EE, pop mx, nx, not // others (McNeill, Thomp-
- 15355 NETHERLAND ANTILLES TWR; 0040 PP, heavy QRM w/ KGEI SS pgm on same freq! (Hauser 5/3)

- 15375NF CANARY ISLANDS RNE-Tenerife; \*2032 IS, 2045 SS, mx, past 2130 (Behr); 2145-0000, 0100-0200 SS, to Ams, ex11800 (Legge 5/12)
- 15375 SPAIN RNE: 1750 SS, rp on 2330 (Hauser 5/2)-could be Tenerife on later time if above reports are correct - ed.
- 15380 NEW ZEALAND RNZ: 0200-0400+ EE (5 reporters) - defunct - ed.
- 15385 MEXICO XERMEX: 2000-2101, 0210 SS, EE & FP ID (Bishop, Brown, Dubrick, Earhart, Miller, Willis-AUST) / 25 only)
- 15394.2 UNID: 1630 desert mx, 1700 AA nx, tlk to 1800\* Algeria? (Behr 3/
- 15425 SRI LANKA SLBC: 1609 after BBC nx, mx to 1615 when had DW transcription "Hits in Germany," (Hauser 4/15); 0045-0100 EE, DJ w/ TC and mx, Fair (Dunn 4/29)
- 15440 PHILIPPINES FEBC: 0045-0055 Mandarin; M&W tlks, rel pgm (Poppin)
- 15445 USSR HS: 1630-1730 R S Atlantika, 1730 Mayak, 1805 "Govorit Leningrad," 2000 R Rodina (Brown 4/25); 1340-1405 ID for Rodina (Earhart 4/10); 1355 EE, R S P&P (Manley(A) 4/20)
- 15055 UNID: 0538 RR, Russian style clas mx, Strong & heavy fading (Young 4/21) - several USSR tx listed here - ed.
- 15880 CHINA: 2342-1202+, RIR chimes, "This is the 25 International Communications System in the People's Rep of China," in EE & 2 langs, repeated every 3-5 min (Poppin 4/20)- UTE? any ideas? ed.
- 17665 PAKISTAN PBC: 0620 lang, nx, ID, EE spot abt visit to Turkey, Fair (Wooten Sardinia 4/23) BBCS list 12/75 sked w/ Urdu - ed.
- 17700 USSR HM: 1530-1600\* Af Lang, F, Tbilisi? (Behr 4/28)
- 17720 TAIWAN BCC-VOPC: 0452 EE, ID, song (Poppin 4/20)
- 17720 FRANCE RPI: 1604-1700 EE, pgm advanced 1 hour 3/28 when France went on DST even the Af countries don't generally use DST (Hauser)
- 17760T W GERMANY or SPAIN R Liberty: 1508 lang, weak w/ jammer (Sherman)
- 17765 USSR HM: 1511 EE, to Af, Fair (Sherman 4/16); 1650-1658 EE, Af Svc ID, into RR? at 1700, Poor (Earhart 4/18); 1448 EE, R S P&P cuntry on Angola & S Africa (Beaudoin 4/19)
- 17775 USA WINE-Red Lion: 1944-2005 EE, rel pgm, Good (Poppin 4/12)
- 17775 NETHERLAND ANTILLES RN-Bonaire: 1640-1651\* DD&EE, //15190 (Behr)
- 17795 AUSTRALIA RA: 0100-0300 EE, Gen Svc, nx, mx (Bo el, Brindle, Conover, Poppin); 0030 FF, IS, ID, sked (Sohartz 4/1)
- 17815 ITALY RAI: 1659 II, IS, ID by W, fre, sked, nx, Fair (Miller 4/25)
- 17825 BULGARIA BS: 1915 EE, to Af, Fair (Sherman 4/21)
- 17825 JAPAN NHK: 0210 EE, nx, //17725, Fair to Good (McNeill 4/27) /wr)
- 17830 PAKISTAN RP: \*0230-0245 EE, sloy speed nx by M, Poor, Fading (May)
- 17830 ASCENSION ISLAND VOA: 1355-1400\* SS, wrld nx (Tuchscherer 4/13)
- 17835 PORTUGAL RFE: 1537-1700+, Czech(assumed), mx, into another lang at 1700 (Talbot 4/18) /Sherman 4/16)
- 17840 ASCENSION ISLAND BBC: 1515-1555 EE, Easter mx (Earhart 4/16,
- 17850A USA VOA: 0135-0201 lang, nx, ID, into Urdu at 0200 (Bogel 5/10)
- 17870 AUSTRALIA RA: 0317-0330 EE, ID, sports, song (Poppin 4/18)
- 17870 LIBERIA VOA-Monrovia: 1600-1630, 1750-1805 EE, nx, tlk abt Nigeria, Features (Dubrick, Tuchscherer)
- 17880 R GERMANY RFI: 1930 SS, mx pgm, Fair (Talbot 4/18) /doin)
- 17885 CYPRUS BBC-Limassol: 1558 EE, ID, pgm sked, Fair w/ fading (Beau-
- 17890 TAIWAN BCC-VOPC: 0159-0205 EE, ID, mx, pgm sked (Poppin 4/9)
- 21460NF USSR HM: 0700 CC (Padula-AUST 4/1)
- 21435 SOUTH AFRICA RSA: 1415-1435 EE, "Sports Round-Up," Poor (Brindle 5/8); 1607+ EE, nx, "Saturday Night RSA," Fair (Miller 4/17)
- 21750 CUBA HEC: 2040 SS, Cuban mx w/ W annnc, Good (Brookwell)

Thanks for the tremendous number of reports this month. It is gratifying to see so many as the ionosphere is gradually warming up and giving improved propagation. I hope that this column gives many of the frequency changes for the summer and we can concentrate on more unusual items during the summer months ahead!

The quality of the reports also improved this month. Try to give detailed program information on the rarer items to help those of us who have not heard them. I did have to delete quite a few items this month because of space limitations.

Cancellation of R New Zealand is sad. Like Ralph Perry, I have a warm memory of the first time heard - in the dead of night on Easter in '62. I will be writing in protest. Why don't you also. Minister of Foreign Affairs, Parliament Bldgs, Wellington, 1, NZ.

I have not heard FEBA, 11810 at \*0405, with the test transmission on 5/25 or 5/26, so maybe this is over.

Best of DX in the month ahead. 73, Tom

There were 56 reporters this month. Again, this is less than the previous month. As you saw in this issue, there is alot of good DX that can still be heard during our "off" season. So listen, and report to us what you hear.

Bill ALDER, San Antonio, TX (SPR4)... Alan ANDERSON, Hopedale, MA (NC-57)... Donald ASTON, Rocky River, OH (SPR4)... Samuel BARTO, Watertown, CN... Robert BEAUDOIN, Bridgeport, CN (R-388)... Ernie BEHR, Kenora, Ont, Canada (SPR4/XCR30)... Gerry BISHOP, Missoula, MT (DX-160)... Bill BOGEL, Perryville MO (RF-1150)... Ed BRINDLE, Latrobe, PA (DX-160)... Larry BROOKWELL, San Diego, CA (R4B)... Noel BROWN, Ann Arbor, MI (SB-313)... W.C. BURAS, Metairie LA (HQ-180A)... Jack CONOVER, Pittsburgh, PA (SPR4)... James CONRAD, Waterloo IA (HQ-160)... Geoff COSIER, Burwood, Vic, Australia (Trio 9R5DS/SonyCRF160) William DAVENPORT, Nashville, TN (DX-160)... Tony DUBRICK, Urbana, IL (GR78) Guy DUNN, Paramus, NJ (SPR4)... Kenneth EARHART, Allentown, PA (DX-150/SX90) Marlin FIELD, Hillsdale, MI (SX100)... Tom GAVARAS, Wayzata, MN (HQ-180)... Emery GEARHART, Springfield, OH (SPR4/XCR30)... David HARRIS, Woodcliff Lake, NJ (AR-3)... Mark HALL, Stony Point, NY... Editor Glenn HAUSER, Knoxville, TN (HQ-160)... Charles HOFFMAN, Manheim, PA (DX-160)... Aaron HYWARREN, Winnipeg, Man, Canada (AR2A)... Joseph KOENIG Sr, Elmwood Park, NJ (DX-160). Jean-Marc LALANDE, Candiac, Que, Canada (DX-160)... Richard LARSON, Minneapolis, MN (SPR4)... Arnold LAUSEVICH, Milwaukee, WI (DX-150B/HQ-180C)... Don MANLEY, Topeka, KA... Martin MARK, Indianapolis, IN... Publisher Alan MAYER, Park Forest, IL (SPR4)... Pete MC LAUGHLIN, Dover, DE (SPR4)... A.A. MILLER, Youngstown, OH (HRO-500)... Richard MITCHELL, Cupertino, CA (SSR-1). Larry NEBRON, Daly City, CA (SX-190/SW4A)... Editor Tom OVERCAMP, Seneca, SC (SP-600/BC-221AK)... Bob PADULA, Surrey Hills, Vic, Australia, (CR100)... Eunice POLLARD, Warwick, RI (Hitachi)... George POPPIN, San Francisco, CA (CRF 5090)... Editor Greg RAVENHORST, Hollandale, MN (R4C)... Don ROJEWSKI, Tacoma, WA (DX-160)... Richard SCHWARTZ, Dover, DE (SX-190/S108)... Chris SHEEHAN, Toronto, Ont, Canada (9R-59D)... George SHERMAN, Minneapolis, MN (HQ-150/5134)... Larry TALBOT, Menomonee Falls, WI (SB-313/SW-717)... Glenn THOMPSON, Deming, NM (HQ-145A)... Robert THUNBERG, Dubois, PA (SSR-1)... Mike WILLIS, Hampton, Vic, Australia (Trio 9R59DE)... Frank WOLTMAN, Cambridge, WI (DX-160)... Charles WOOTTEN, USN, Sardinia, Italy (R530/R4B)... Robert YAJKO, Leechburg, PA (SPR4)... James YOUNG, Wrightwood, CA (HQ-180A). Robert ZILMER, Milwaukee, WI (SPR-4)....

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**TUCH'S TRIVIA:** L'abidjanaise is the title of the national anthem of the Ivory Coast. The music was composed by the Abbe Pierre Michel Fango. Words are by Mathieu Ekra, who became Minister of Education. The anthem was adopted at the declaration of independence on August 7, 1960.

**HELPING HAND:** For Sale. Collins R-390A in good working condition. \$300.00 plus shipping or even trade for Drake Spr-4 or Hallicrafter SX-122A. Must look like new and in good working order. Trader and Tradee pay own shipping costs. Contact Stanley F. Cabrel, 2254 62nd Avenue, Oakland, CA 94605.

**NEW ADDRESS:** The European DX Council (EDXC) has a new address.... European DX Council, P.O. Box 25 03 25, D-4630 Bochum 1, FR of Germany.

**"DXING ACCORDING TO NASWA":** Second printing now available. Updated and revised, including 1976 NASWA Country List. 124 pages of good DXing information. Still \$3.00 postpaid in North America, \$5.00 airmail elsewhere. Order from NASWA, P.O. Box 13, Liberty, IN 47374.

**HELPING HAND:** For Sale. Collins R-390/URR, excellent condition. Works like a dream on BCE and SW. \$400.00 plus shipping. Also, Drake SW-4A plus speaker and 60 mb crystal. \$200.00 plus shipping. Contact John W. Hoogerheide, 105 Bayside Lane, Brandenburg, KY 40108 or 502/422-3676 nights.

**TUCH'S TRIVIA:** The largest audience in radio history, estimated at 90 million listeners, heard President Franklin D. Roosevelt address the United States two days after the Japanese attack on Pearl Harbor.

**THANK YOU:** With this edition, NASWA has been under the direction of Alan Mayer as Publisher and Mac Leonhardt as Executive Editor for 1 year. When they took over from Dan Ferguson, they had some big shoes to fill, and I think they have done a tremendous job at it. The amount of work, time, and effort that they put into the publication of each FRENEX is not a little. Show your appreciation of their efforts, and write them a letter, card or note expressing your thanks. They really deserve it. A job such as theirs takes away alot of time from their family, friends, and DX'ing. **THANK YOU, GUYS!**

I hope that everyone will follow the suggestions on the Credits page of the May edition, when reporting to "LOG REPORT". Please use the NASWA forms. Until next month, 73's, *Greg*, -Greg Ravenhorst, Distributing Editor-

# NASWA

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Publishing **FRENEX** Monthly

Unity and Friendship

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All inquiries, checks/ money orders/ dues/ renewals/ and or orders for the Mid-Month DX HOTLINE should be sent to NASWA Headquarters:

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