

# FRIENDS

The SHORT WAVE BROADCAST Journal - Since 1962

## DX & SWL NEWS

## 6-74

**North American Shortwave Association**

*This is to Certify That*

\_\_\_\_\_

*has presented satisfactory evidence of qualification for a DX award. In recognition of  
having logged and verified 10 South American Broadcast Countries  
is awarded this certificate as a*

**South American Continental DX'ER**

AWARDS CHAIRMAN \_\_\_\_\_

DATE ISSUED \_\_\_\_\_

SERIAL NO. \_\_\_\_\_

*"Unidad Y Amistad"*

SAMPLE OF THE NEW NASWA AWARDS

# LOUDENBOOMER REPORT

Once in awhile the pressure just gets to be too much. I mean, how would you like to have to go full blast all year long, maintaining a position at the top of the heap in heard and verified totals, development of new DX techniques and materials, and run a club at the same time?

So, nearly every summer I just take off for a few days and drive. Anywhere. Just to get away from it all.

So it was that I was tooling my '61 Caddy along a back country road in southern South Carolina one hot afternoon last July. I had just crossed a small bridge over a non-existent stream when I saw the house. Nothing unusual in that. It was just an ordinary white farmhouse. What caught my eye was the sign in front: "North American DX Waxworks and SW Museum".

I was surprised, to say the least. Instantly I applied the Caddy's brakes, backed up, and pulled into the gravel driveway. No sign of any activity. No dogs running to greet me or anything.

Growing more curious by the second, I got out of the car, walked up on the porch and rang the bell (which bore a striking resemblance to the SBC interval signal).

After a few minutes, my summons was answered by a little old man with white hair and pince-nez glasses.

"Eh, who's there?", he asked.

"I saw your sign. I'm a DXer and I thought I'd like to see your waxworks and museum", I replied.

"Oh indeed yes, come in, come in!", the little man beckoned.

"My name is Charlie Loudenboomer" I said, since he didn't seem to recognize me right off.

"Ah, Charlie Loudenboomer! What an honor! My, my, what a great honor to have you here indeed! I am Bartholomew X. Mildew, owner and manager, at your service. Allow me to show you around."

He proceeded to do just that. From the life-size statue of Marconi in the front hall, to statues and busts of such well-known personalities as the VOA's Jacob George, Howard Clayton, Mrs. S., Ed Stars and many, many more. Then there were walls full of autographed photos from the likes of Omar M. Omar, Gustavo Heitman, Lothar Toledo and probably hundreds more. I didn't bother to count.

And memorabilia and stuff! A hunk of a transformer he claimed fell out of the truck transporting XGOY's transmitter into China's interior, the first tube that blew out in the first transmitter of HCJB, a stack of blank Radio San'a's QSL cards (I was tempted to sneak one of those!), station pennants, badges, bumper stickers, decals, books...you name it, he had it. Even a city map of Puerto Martinez!

Four hours later, tour completed, we sat in the cool darkness of his living room sipping tea (which is sent to him as a gift from the BCC) and I asked him how he came to start this fantastic collection.

"Well," he replied, "I never had time for DX because of my work. I was in motion pictures you see, and always traveling. I'm sure you've probably seen my work without knowing it. You know, at intermission, the exploding popcorn and talking hot dogs? Well, that just gave me no time for DXing and besides I've been burdened with a hearing difficulty since my youth."

"Finally, upon retiring, I began this collection for my own amusement, and it just, well, sort of grew into what you see here today."

It was getting near dusk by now, so I gave him my thanks for a most interesting day, said goodbye, got in my car and headed back into town.

I was in my motel, near the point of sleep when it hit me. There was no statue of C. Loudenboomer in that Waxworks. No bust of Loudenboomer either! Not even a photograph! Why that ignorant so and so didn't know a DX celebrity even when he stood face-to-face with him!

The next morning I headed out at dawn's early light to go back and give that Mildew fellow a piece of my mind.

Four hours later I was still retracing my route. By dusk I had covered every road in the area a dozen times, asked farmers, gas station attendants and even tried a scarecrow once. None of them knew what I was talking about!

I spent the next three days searching, but to no avail. The NADSWAM had disappeared, if it ever existed. And that, my friends, is why I've slacked off a bit this year!



# SHORTWAVE CENTER



Edward C. Shaw  
NASWA - WDX4EOV  
621 Burleigh Avenue  
Norfolk, Va. 23505 USA

## HAPPINESS IN HILVERSUM

Tom Meyer, ebullient host of Radio Nederland's Happy Station program is a favorite the world over. This issue of FRENDX features an exclusive interview of Tom Meyer by our own Serge Neumann - himself formerly with Radio Nederland's staff.

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NEUMANN: Tom, what makes the Happy Station happy?

MEYER: As one listener put it, we are non-political, non-religious, non-racial; but pro-humanity! We're not trying to sell any message; on the contrary, we ask listeners who they are, and what they think.

NEUMANN: How did the idea of the Happy Station originate?

MEYER: Eddie Startz, my predecessor, was asked in 1928 to present a program on short wave via an experimental Philips transmitter. He was to make station calls and to ask for reception reports, but to make no other comments. After doing the same boring announcements, he would begin to ad-lib, "This is PCJ from Holland, the Happy Station," and it caught on.

NEUMANN: The program is still going strong over 40 years later. When Eddie Startz retired, you joined Happy Station as its new host. Why was this?

MEYER: In 1968, I was about to leave Radio Nederland because I wanted to see and learn more of my profession. The management told me, to my surprise, that I should be capable of succeeding Eddie. So, I decided to do it... and in January 1970 I presented my first four Happy Station shows.

NEUMANN: What have you tried to achieve with the program?

MEYER: Well, first of all, to convince the people who listen that friendships exist for everyone, and that this show comes from Holland, and that Holland apparently is much more than windmills and barrel organs.

NEUMANN: How would you describe your typical listener?

MEYER: There is none...but, they all have something in common. Either they are isolated, geographically, socially, or physically - and in bad need of human contact, or they are fed up with all the commercials and bad news they see and hear, which for some reason is emphasized more than any good news by the press, radio and television.

NEUMANN: What has given you the greatest satisfaction about the program?

MEYER: To personally witness several occasions of listeners solving their biggest problems - loneliness. There are so many examples of people who have acquired good friends and acquaintances. (Cont'd next page)



Cont'd from front page (Meyer)

Grandma Green in California, who adopted me as her grandson three years ago received hundreds of get-well cards from all over the world when she was in the hospital last year.

NEUMANN: How much mail does the Happy Station get?

MEYER: Approximately 19,000 last year alone.

NEUMANN: Certainly, you must have lots of help in answering letters, and to keeping Happy Station running smoothly?

MEYER: Well no, not lots. Hardly enough in fact, but this is not the place to complain about it. However, now that you have brought up the subject, remind me that I should bug the management again - just a little!

NEUMANN: How much time is required for constructing one Happy Station program?

MEYER: There is very little planning time, since I do 5 hours and 10 minutes each week. Recording one 80 minute show usually takes no more than 80 minutes.

NEUMANN: Do you like doing the live, Sunday morning program? Is there a thrill? How does it feel to be talking to an international audience?

MEYER: Yes, I like it, and there is a challenge. It's like getting together with a bunch of good friends for coffee or drinks. What I miss most, tho, is the lack of instantaneous reaction. It always takes at least several days before they can answer.

NEUMANN: Are most people regular listeners, or just seekers of QSLs.

MEYER: I think more and more are turning into regular listeners, even if they started out just listening to gather reporting details.

NEUMANN: You sing, too - don't you?

MEYER: Yes...at least that's what some people call it. I have had quite some stage experience before joining Radio Nederland, and singing was always my favorite artistic expression.

NEUMANN: Are your records available to anyone, and how can they get them?

MEYER: I presume you mean the record I made specially for Radio Nederland's 45th anniversary. This is available to any person, free of charge, provided they listen to the show and ask for the record personally.

NEUMANN: Looking to the future, what do you see for the Happy Station?

MEYER: What I have in mind is not necessarily what will happen. So, I shouldn't answer. Suppose I tell you that I will go to the moon on the next Apollo or Soyuz mission...imagine all the explaining and apologizing I'd have to do later, if, say, the microphone failed to work.

NEUMANN: Do you ever listen to similar shows on other shortwave stations?

MEYER: I bought a very good 11-band radio just for that, but I hardly ever find the time.

NEUMANN: Do you ever encounter frustrations in producing and airing the Happy Station?

MEYER: Not too many, actually. There is one thing, however, which I mentioned before...I wish I could get in closer and more personal contact with the people who listen. I wish I could make at least one big trip a year to personally see under what circumstances my faraway friends live. I'd like to experience some of the things they write about. As my father always used to say: you can learn from other people's experiences, but you can only live by your own!

by Serge Neumann

MORE VERIFIED ALL CONTINENTS (QRP TOTALS)  
by Ed Insinger, N.J.

CONTINENT	STATION	WATTS
North America	Canada, CKZN 6160	300
South America	Argentina LOL	2000
Europe	RNI, 6210	10000
Africa	Reunion 2446	4000
Asia	Turkey 6900	2500
Oceania	Australia 6090	2000
		QRP = 20800

How are your totals stacking up? Drop a post card to SWC today and let me know how your total wattage QRP compares. Simply list the lowest wattage catch you have QSL'd from each continent.

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# 5-Band Solid State

\*\*\*\*\*  
AN On-Shelf Review of Radio Shack's Realistic DX-160 - by Edward C. Shaw  
\*\*\*\*\*

I suppose I could have talked the store manager into letting me take the receiver home with me for a day or two, but he seemed to think he could sell it the next day, and it was the only one he had left. Two of his initial order of three had gone within a week after they arrived. Therefore, this review of the DX-160 must be given from an on-the-shelf inspection and trial. Even with these restrictions I was favorably impressed.

The DX-160 actually appears to be twin to its DX-150 series predecessors at first glance. Closer inspection, however, revealed that the dial plate now had an additional band - for LW DXing below the AM band. I wondered just how much use anyone would get out of that, but then remembered recent mention of a California group of LW enthusiasts. Suddenly, I noticed the single most important feature improvement in this new 160 series. The bandspread dial now had a logging scale! This was a meaningful addition for DXing, since a logging scale is essential for preparing a set of graphs to enable one to determine nearly exact frequencies.

A run-down of the DX-160 features include: Front panel headphone jack; a bandspread knob, BFO switch and pitch control, separate AF and RF gains, antenna trimmer, automatic noise limiter, automatic volume control for either fast or slow recovery, main tuning, S-meter, and general coverage from .15 to 30 MHz, except for a small gap between 400 to 535 kHz. The rear panel had antenna inputs for single wire lead-in or for dipoles. A receptacle on the rear accommodated any speaker, and a handy provision was found to operate the receiver on any 12 VDC source, such as from a car or battery pack. Below is an illustration of the DX-160 receiver.



As mentioned, the most appreciated improvement was the addition of the logging scale. The owner's manual had some worthwhile instruction for the SWL/DXer which is evidence of Radio Shack's acknowledgement that they realize there is a hobby out here. The author was able to calibrate the receiver easily, using the bandspread. The owner's manual has scales for each of the bonafide short wave broadcast bands and the calibration is fairly accurate after some practice. I was exceptionally pleased to see that the 60 meter band was nearly six inches long (on bandspread) and 5 kHz was easily read. A practiced DXer may even get within 2-3 kHz or less. I regret that the DX-160 still has no variable selectivity; but the schematic shows a mechanical filter and gives specifications of 4 kHz at 6 db and below...which is adequate for general DXing. 2 kHz at 6 db would have been better, and still retain adequate fidelity and gain.

My initial impression was that Radio Shack had made some concessions for the SWL/DXer in the DX-160 model. I am inclined to believe the circuit for the DX-160 may be improved over the 150 series, which I have tuned. I am advised by the owner's manual and by a seemingly caring and knowledgeable dealer that the quality control for the DX-160 is superb. Price is \$160.00 without speaker, and it just may be worth it. In any case, it seems to be the best receiver readily available to the seriously inclined hobbyist for under \$300.00 at present.

CYCLES OF SOLAR ACTIVITY

By

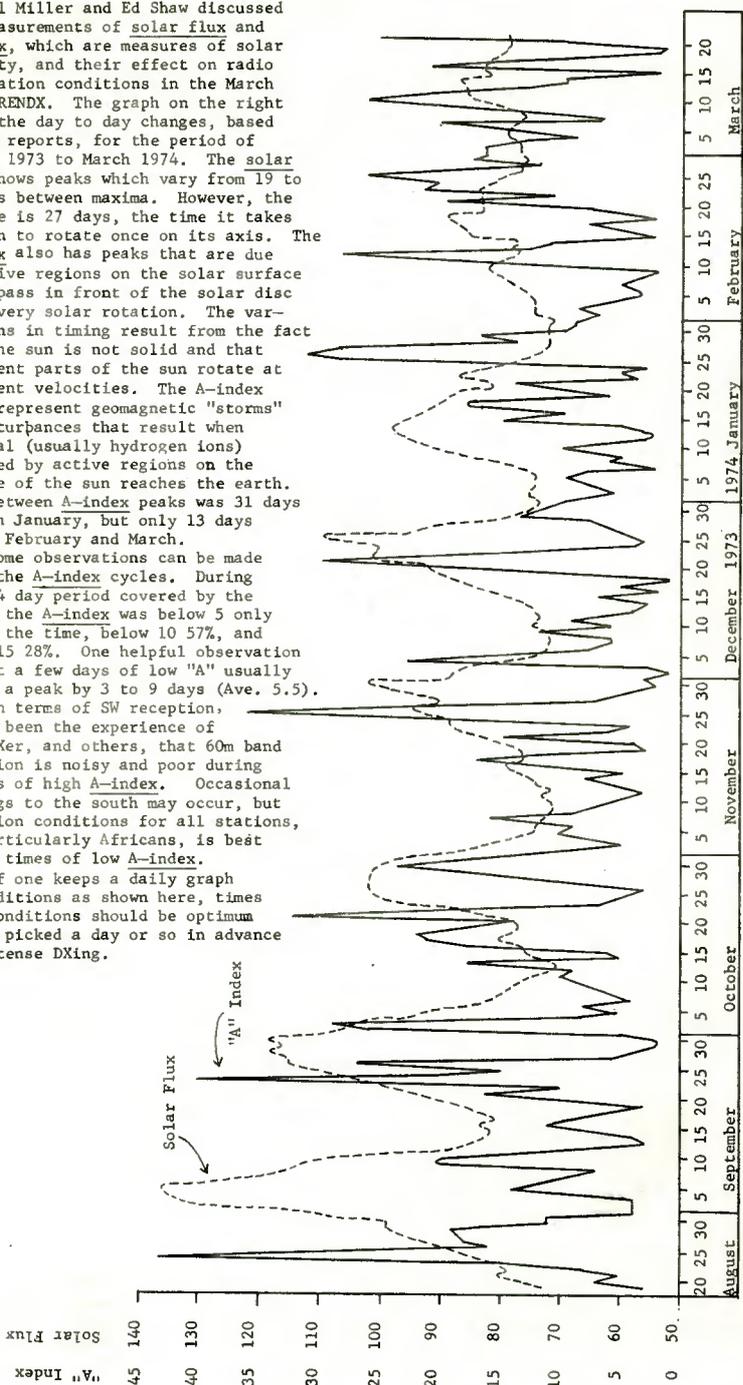
Jerry A. Lineback

Al Miller and Ed Shaw discussed the measurements of solar flux and A-index, which are measures of solar activity, and their effect on radio propagation conditions in the March 1974 FRENEX. The graph on the right shows the day to day changes, based on WWV reports, for the period of August 1973 to March 1974. The solar flux shows peaks which vary from 19 to 36 days between maxima. However, the average is 27 days, the time it takes the sun to rotate once on its axis. The A-index also has peaks that are due to active regions on the solar surface which pass in front of the solar disc with every solar rotation. The variations in timing result from the fact that the sun is not solid and that different parts of the sun rotate at different velocities. The A-index peaks represent geomagnetic "storms" or disturbances that result when material (usually hydrogen ions) released by active regions on the earth. Time between A-index peaks was 31 days through January, but only 13 days during February and March.

Some observations can be made about the A-index cycles. During the 214 day period covered by the graph, the A-index was below 5 only 26% of the time, below 10 57%, and above 15 28%. One helpful observation is that a few days of low "A" usually follow a peak by 3 to 9 days (Ave. 5.5).

In terms of SW reception, it has been the experience of this DXer, and others, that 60m band reception is noisy and poor during periods of high A-index. Occasional openings to the south may occur, but reception conditions for all stations, and particularly Africans, is best during times of low A-index.

If one keeps a daily graph of conditions as shown here, times when conditions should be optimum can be picked a day or so in advance for intense DXing.



Graph showing daily averages for solar flux and A-index values reported on WWV as a part of the International Ursigram and World Days Service

Hadley D. Cress, 1361 Devon Lane, Harrisonburg, Va. 22801, is a NASWA member since September 1973. Principal receiver is the SX-190, acquired in August 1973 which has got him 90 countries and the only 3 QSL cards requested. Other equipment is a general coverage Sony CRF-5090 & a CTR-15 cassette recorder. Antenna is a 23 foot short wire in the attic. Hadley is a former SWL from the 30's and early 40's, when he used the old Hallicrafters S-16 and a Hammarlund Super-Pro. So, he is back in the hobby with both feet after more than thirty years absence.



The first meeting of Bluegrass DXers was real fun. Meeting at Ed Shaw's parents' home in Lexington, Ky, a few hours were devoted to general DX talk and looking over QSLs. Allan Courtney's (left) SX-190 provided a trick or two in logging of Israel on 9009 kHz via a simple mis-tuning of the preselector. Bryan Price (Center) brought his DX-150 and was surprised to find the same catch using only a 10' piece of wire. Later during the week, a visit with Jim McClure (Right) at his home was highlighted with enviable catches of two Guatemalans, one on 2360 and one on 2390, using his DX-150, both catches a first for him.



ANSWERS TO MAY ALL-WAVE ANAGRAM BOX

I am delighted with the response to these past-time teasers. Anyone who would like to dream up an Anagram is invited to send it for consideration. Last month, you should have been able to decipher (in order):

RHOMBIC (Antenna) and, the clue was a dead giveaway for any geography student. Of course, you'd have to travel through

BANGLADESH from Dehli to Mandalay!

\* OUT-OF-BAND NONSENSE - By Russell Lay

\* Logging Damascus is Syria's business.  
 \* To log Luanda hang your antenna at right Angolas to the station. News from Iran is usually a Farsi. Propaganda from North Vietnam is Hanoi-ing.  
 \* Kenya really log Nairobi on 4905?  
 \* Djibouti Issa tough catch cause it's Afar away. Afghanistani programs are a lot of Kabul. Havana is best logged using a Cubacal Quad antenna. There is Norway to log Oslo on 60 meters.  
 \* We all hope Dahomey will Contonou to stay on the air. It's hard to Priah QSL out of Cape Verde Islands. As we say in Lomé, it's time Togo. (I'll say!)

REMEMBER YOUR GHANA PEN-PAL MONTH !!

Several months or years ago, NASWA ran a continuing editorial about some members writing to complain about pen-pals in Ghana. It seems there is a recent reoccurrence of the same problem. It all starts when a DXer mails his report to Ghana - then shortly receives a letter from a would-be Pen Pal who just happens to work in the post office. Recognize yourself here? The Pen-Pal invariably wants to cultivate an acquaintance leading to casual exchanges of "souvenir" dollars; then soon asks for T-shirts, socks, shoes, books, and in at least one known instance, the clincher.... the Pen Pal wanted his American friend to sponsor his immigration to the U.S.A. Keep a wary stance, NASWA members, it looks like the Big Bite to us. (ed)

AUTEK Q-BOX - An Alteration For SWL Use

by Wm. Hohnstein

Purchasers of the Autek Q-Box probably found this instrument of limited value to them in SWLing due to the too-high center frequency of 800 Hz, which is nominally best for CW. By replacing C6, C7, C8 and C10 capacitors to .003 uc values ( $\frac{1}{2}$  tolerance), center frequency can be lowered to a more useable 295 Hz - about midway in the normal voice range. Write to SWC address for a xeroxed copy of details.

A METHOD FOR KEEPING LOGS OF YOUR DX - by Ed Shaw

Whether one uses a simple sheet of paper, a lined school composition book, or specially made forms, all short wave listeners should try keeping track of what they have heard and what they want to hear.

These two pages will illustrate one method that I have tried and accepted as a system to accomplish both logs keeping, and a "wanted" list. To aid in this I designed my own special form (see facing page). It is reproduced on this page in reduced size, but the actual form is printed on standard 9x14 paper. I drew in the lines by ruler and felt tip pen, then typed in the letters and numbers on a borrowed typewriter which could accept 14" paper.

My specific method entails simple use of a composition book or notepad in front of my receivers to jot down all pertinent information while actually doing any DXing. Later, when time permits, I transcribe the rough notes to the special forms I keep. Usually, I do not keep scrupulously precise loggings of every item I hear; I omit the easier loggings which are regularly heard, and I might not continue to log more difficult seasonal catches if they are showing up several days in a row - logging these once or twice seems enough for me. After I have completed transcribing my rough loggings to the special forms, the forms are filed by date. I continue to save my rough notes until I have accumulated a week's worth, and I then compile a complete list of all catches in ascending frequency order for submission to Log Report and other DX news sources.

One can see at a glance on the special form which catches were logged at which hour. In this manner, the special forms can be used for jotting down desired catches and supposed times to listen.

The facing page special form example shows how I keep permanent log records in the top half of the form. The bottom half shows how I keep a "wanted list".

One more use for the form - if you want to keep even more detailed logs - is to have one form for each country, listing the frequencies and stations within the country and the times you hear them. I keep such a file of forms on a long clipboard - one clipboard for each of the continents. Each continental clipboard has countries in the order found in the official NASWA Country List (25¢ from HQ).

The only detracting point I can admit about my system is that the remarks section leaves small amount of room to jot in details. I use logical and obvious abbreviations whenever possible, and occasionally some known only to me.

The form I designed was not expensive. I took my original to a fast-copy service and ordered a couple hundred for about \$3.00. I am willing to provide a full-size copy suitable for use as an original to any NASWA member sending me a legal size envelope with return postage affixed and addressed.

In summary, using these special forms I can keep detailed logs of all my catches either by country or by date. The forms kept by date have all the loggings in frequency order and illustrate at a glance the time period heard.

Your editor, Ed Shaw, hard at work and wearing lucky DX cap with NASWA patch on it, and New Zealand tiki attached by string to the top button on the cap. On the left is a Hammarlund SP-600 topped with homebrew crystal calibrator. On the right is Allied's X-190 (AX converted to SX) with crystals for all the SW bands except 125m and 11 m, plus an extra crystal for 8.7 to 9.2 MHz. A special gizmo at the bottom of the X-190 accepts stereo headphones to permit simultaneous monitoring of the SP-600 and X-190, one to each ear, respectively..... a good way to check for parallels.





THE  
SNOB

by Al Sizer

(ed note: The resemblance between this and any current DXers is stoutly denied by author Al Sizer)

LOGGING REPORT

- 3290 TRISTAN DA CUNHA (presumed) With EE nx at 2000 but did not stop to ID as not needed here.
- 3942 UNIDENTIFIED Interesting Asian lang. station here some nights around 0100; unable to ID due to Falklands QRM.
- 4008 KIRGHIZ SSR Frunze here at 1100 in lang. Easily ID'd by Kirghizian mx rhythms with unique diatonic scale.
- 4719.534 CAPE VERDE R. Clube Mindelo with fado mx at 2152. Freq varies between 4719.533 and 4719.535 kHz.
- 5000 U.S.A. There has repeatedly been a difference of 100th of a second between WWV time checks here and on 10000 kHz. Most annoying.
- 6155 SWAZILAND Seems to be six stations here but easily separable on my specially adapted SWC-22A with radar notch filter.
- 6250 EQUATORIAL GUINEA Santa Isabel with most interesting political commentary at 2200 in vernacular Afro lang. Will provide translation for SASE to any desiring same.
- 11760 COOK ISLANDS Rarotonga. Yes, it's there almost daily around 0800. Surprised the rest of you can't hear it.
- 16050 PUERTO RICO R. Luz, Santurce, nominally 1600 kHz has drifted up to 1605, qualifying it for short wave under NASWA rules, and heard at this QTH on 16050 on 10th harmonic. Cry your hearts out, guys!!

QSLs RECEIVED

- LESOTHO With my QSL from 7PA-22, the 100 watt Catholic School station formerly on 3824, the fifth grade students at Maseru have sent me a hand-embroidered Lesotho flag. Must find room on my crowded wall, even if my Andorra banner goes.
- TIBET Lhasa monks have sent me parchment scroll of verification. For DXers having trouble with this one, I will translate your report into Tibetan for \$50 per page.
- MANCHURIA First verie in the world marked "Haer-pin" (Harbin?). Handwritten P.S. from Chou-en-lai says unfortunately not able to do likewise for other DXers.

MORE DX VOCABULARY

Thanks to those who wrote to say they found the vocabulary listing of March's bulletin useful to them. So...here are a few more.

NOUAKCHOTT - Noo-OCK-shot                      BANGUI                      - Bang-GEE (not as jee)  
 MOXICO        - Mo-HEE-ko (almost) DJIBOUTI        - J'BOOT-ee  
 GUAYAQUIL. - WHY-a-KEEL                      CLUBE DO PARA - ClOOB doh pah-RAH

EXERPTS FROM LOUDENBOOMER's GAZETEER by Larry Yamron

PHOTOFINISH S.S.R.	GYMNASIAN S.S.R.	UMBRELLASTAN S.S.R.
UPPER REVOLTA	ASHCANISTAN S.S.R.	VLADIBUSSTOP
SIGNALJMSK RSPSR	CONGESTION, CHILE	HAVATAMPA, CUBA
LOWONCHOW, CHINA	CAPE ONTRUCKEN	LOTTAPOOR, INDIA
ISH KABIBBLE, IRAQ	AL GAWN, SAUDI ARAB.	KELVINATOR SHELFB, ANT.
COSTA LIVING, S.A.	TAKADIVE ISLANDS	INERT MONGOLIA



# CLANDESTINE BULLETIN

Larry Magne, 1315 Pine Street, Philadelphia PA 19107 USA, Tel. 215-545-7699

## RADIO SIGNALS PORTUGUESE COUP

by Tom Lambert of The Los Angeles Times, via Al Sizer...

Lisbon -- Shortly before midnight on April 24, a local radio station began broadcasting a song judged best in a recent nationwide Portuguese contest -- "E Depois do Adeus" (And After the Goodbye).

Small groups of tense young army captains and majors huddled over radio sets throughout Portugal straightened up, grimly wished each other good luck, roused their troops and began moving into this then-sleeping capital.

Portugal's recent, astonishing military coup was under way.

Shortly after midnight, still clutching their radios, the officers tuned to another Lisbon station, one operated by the Roman Catholic Church (listed in WRTH 74 as Radio Renascença on 6155, 1286 & 1169 kHz, plus several FM outlets). The announcer was reciting calmly the words of another popular song, this one about a Portuguese village -- Grândola Vila Morena:

"Grândola, sunburned  
Town of brothers  
where the people take first  
place.

A friend on every corner,  
Equality on every face."

"That was the signal that everything was OK, to keep going," explained an acquaintance of some of the young army rebels. Relieved, the coup-makers went ahead with their plans. And as the radio station broadcast their song signal, they went into action.

Early April 25 they seized all radio stations, television transmitters, key telephone exchanges, and the government's military administration school which maintained the nation's armed forces communication network. The government was no longer able to reach those military units not involved in or aware of the developing coup. Rebel troops also surrounded army headquarters.

Shortly after 4 A.M., the rebels first announced they were in action. A radio broadcast communique from the "Movement of the Armed Forces" warned Portugal's police, national guard and the right-wing Portuguese Legion not to try to foil the coup.

Shortly before 7 A.M. the rebels announced that Lisbon had been surrounded, that Portugal's "hour of liberation" was at hand, cautioned the public to be calm, and warned they would tolerate no police or military opposition. That seemed to indicate they still were uneasy that some of their armed forces' compatriots might come out against them.

At 8:30 P.M. on April 25, the "Movement for the Armed Forces" announced by radio it had taken power in Portugal. Some five hours later, General Spínola appeared on television as the head of the "Junta of National Salvation", which now is governing this country.

### RADIO FREE PORTUGAL CONTINUES BROADCASTS

Despite the new role of the Portuguese Communist Party as a minority member of the just-formed civilian government in Portugal, the clandestine radio of the Party, "Radio Free Portugal" ("Radio Portugal Livre"), continues, as of May 19, active from a site in Romania. It appears to be the only active clandestine station beamed to Portugal.

Its current schedule, as provided by the EBC Monitoring Service, is:

0700-0800	Daily	12005v, 14440v, 14955v, 15483v kHz
1200-1230	Sun	12005v, 14440v, 14955v, 15483v kHz
1800-1955	Daily	10500v, 15483v kHz
2320-2350	Daily	8333v, 9455v, 11509v, 12005v kHz
2350-0020	Daily	12005v kHz

Although there are no known verifications from this station, it may now verify via the newly-established headquarters in Lisbon. A letter sent merely to Secretário-General, Partido Comunista Português, Lisboa, Portugal, could well bring a response, especially if you write in Portuguese and comment on the programming.

Best Bets: 1800-1955 on 15483v kHz, or 2320-2350 on 8333v or 11509v kHz.

# KURDISH REBEL STATION NOW IN ENGLISH ON SHORTWAVE

via BBC MS, IBA & John Campbell

As we suggested last month, the pro-Barzani clandestine radio, "Voice of Kurdistan of Iraq", has expanded its programming hours and languages.

The station is now traced in a new language -- English -- from 2000-2030 GMT on the usual frequencies, and is heard easily in Israel and, less easily, tentatively in Europe. Although propagation to the Americas is highly unlikely until late fall or early winter, there is still the possibility of a further-expanded schedule making reception here feasible.

The IBA's engineer, Fred Stockheim, in a report from Jerusalem, states, "Offer Barth (of the IBA) reports he has recently had good reception of the Voice of Kurdistan without jamming in Haifa (north of Israel) on 1200v kHz, 1700-1900 Kurdish, 1900-2000 Arabic, 2000-2030 English. Their identification: 'This is the Voice of Kurdistan of Iraq'. He estimates power of at least 20 kw."

John Campbell writes from Dublin, Ireland, "I think I've heard the Voice of Kurdistan on 3623 kHz to 1948 s/off in Arabic May 2, but not since."

As for who is behind the Barzani operation -- at least outside the Kurdish Nation -- The New York Times senior commentator C.L. Sulzberger writes, "This time -- unlike previous occasions -- there is no evidence that the United States is helping the martial Kurds. The Soviet Union has even sought to bring them and Baghdad together. But Iran is delighted every time the Kurds make trouble for Iraq, the Shah's bête noire. Iran has been shipping military equipment to Mulla Mustapha Barzani, the aged Kurdish leader. Israel, hoping to handicap an Iraq that favors unending Palestinian war, is likewise thought to be giving Barzani funds."

The latest schedule from the BBC Monitoring Service is:

1700-1830	Sat-Thu	Kurdish	
1700-1900	Fri	Kurdish	
1830-1900	Su/Tu/Th	Assyrian	all on 1191v, 1535v, 1570v, 3600v, 6991v (irr.) kHz
1830-1900	Mo/We/Sa	Turkmen	
1900-2000	Daily	Arabic	
2000-2030	Daily	English	

**Best Bet:** Between now and next winter, the only hope of picking up Voice of Kurdistan of Iraq is from a site in the Middle East or nearby. Vacationers in Europe may have success using high-quality SW receiving gear, but visitors to Israel and nearby countries can probably try for them successfully on their AM/MW portables.

## PHANTOM STATION: VOICE OF THE UKRAINIAN LIBERATION FRONT

In the 7th Edition of How to Listen to the World (WRTH/Billboard, 1973) there appeared an article on clandestines by me. One of the items listed was entitled "Voice of the Ukrainian Liberation Front", and read, in full, as follows:

"Proposed new Chinese-based station, possibly 'black', nominally to be operated by the 'Ukrainian National Front.' It purportedly will broadcast messages urging the Ukraine to secede from the U.S.S.R. in accordance with the provisions of Article 17 of the Soviet Constitution. The main force promoting this station appears to be the Ukrainian Society for Study of Asian Problems (USSAP) of Munich, Germany, with Canadian offices at Postal Station 'A', Box 683, Toronto 1. The station allegedly will be beamed both to the Ukraine and to Ukrainians living in the Asian RSFSR near the Chinese border and broadcasts will be relayed via Albanian transmitters. At the moment, nothing is known of its proposed operating times or frequencies, except that it plans to broadcast three hours a day and will surely be jammed. Earliest date of commencement, unconfirmed by USSAP, is said to be summer, 1972."

As none of the compliment of clandestine radio station monitors throughout the world heard this proposed station ever come on the air, it was finally presumed that either negotiations for its establishment fell through, or that the whole scheme was dreamed up by USSAP for some ulterior motive, e.g. raising funds.

So you can imagine the surprise that was felt when reports of this station's being active appeared in respectable organs of the Western lay press. One report had the station as "too weak for West European monitoring". A later report, in the April 17, 1974, issue of Variety, went somewhat farther. It stated, "Heard also is a clandestine station called 'The Voice of the Ukrainian Liberation Front.' It is run by an emigre organization to keep alive the underground independence in the Ukraine. Since Moscow is extremely

sensitive about any Ukrainian independence movement, the Russians have gone all out to jam these broadcasts. Only Western intelligence knows for sure whether the Voice of the Ukrainian Liberation Front is sponsored by the Chinese or by America's CIA."

Do they know something we don't? Probably not. The more likely answer appears to be tucked in a writeup by Clyde Farnsworth, onetime Vienna correspondent for The New York Times.

According to Mr. Farnsworth, Radio Free Europe not long back did a "survey of broadcasting by the two main camps of communist world leadership headed by the Russians and the Maoist Chinese." Mr Farnsworth, in discussing "black senders", continues, "It (the RFE survey) draws heavily on Lawrence E. Magne's handbook 'How to Listen to the World.' This often revised reference work devotes a section to 'Broadcasting Stations of Clandestine, Exile, Intelligence, Liberation and Revolutionary Organizations.'"

Judging from the Farnsworth article, the RFE study is quite good, probably as good as has heretofore been made available to the lay press. But somewhere between the ITL article and the RFE study there appears to have been made an assumption that the Ukrainian station had already gone on the air. China has black clandestine stations, the article pointed out, "but its clandestine stations along the borders of the Soviet Union are too weak for West European monitoring. One of these appears to be affiliated with Ukrainian emigrant organizations in the west."

There are enough other items in the Munich-dated Variety article to suggest its source was also the RFE study. Although we have not had the privilege of seeing the study firsthand, it appears that a cautiously-stated assumption that the Ukrainian station was actually on the air -- albeit weakly -- served as a springboard for an understandable set of deductions concerning the details of the operation.

So the Voice of the Ukrainian Liberation Front exists, the Great Pumpkin of the airwaves.

Doesn't it?

## NEW SCHEDULES FOR SOVIET BLACKS

Via Hiroyuki Nagase & Isao Ugusa, Tokyo

Thanks to recent surveys of Soviet black clandestine radio activity by our Tokyo colleagues, we were able to present the first complete updated report on these anti-China stations in last month's "Clandestine Bulletin".

Their continuing monitoring efforts have revealed new data on schedules, ID's, and so on, including the observation that "Proletarian Battle Division" and "Voice of the Liberation Army" now have been merged into a joint operation.

What follows is the complete known black Soviet radio activity at present.

### PROLETARIAN BATTLE DIVISION ("Wuchanzhe Zhandoushi"), a/k/a VOICE OF THE LIBERATION ARMY ("Jiefangjun-zhi-sheng"):

What used to be two Soviet-based black propaganda clandestine operations has, since at least April 5, 1974, been more or less merged into one, judging from the use of both ID's during programming these days.

The former Proletarian Battle Division, then widely referred to as "Fighters", was first noted around December, 1966, and was on the air from then until late June, 1972, then on again briefly to around early 1973, on 7520 kHz.

The former Voice of the Liberation Army also came on the air around December, 1966, and was traced until roughly late June, 1972. It reappeared in late 1973 and was first traced in December of that year.

The present operation, besides being the result of an apparent merger, also differs in that the Chinese national anthem, "March of the Volunteers", is no longer played at sign-on and sign-off, as it was with the old Voice of the Liberation Army. Instead, the Communist anthem, the "Internationale", is played.

The current schedule is likely to change suddenly. Channels have recently been alternating without notice, possibly in error, but perhaps to create a sense of amateurism to enhance the effectiveness of the ruse.

All transmissions are in Chinese and are jammed; times vary slightly.

0900-0912	7290 kHz (irr.)	1200-1212	9600 kHz
0915-0930	7290 kHz (irr.)	1215-1227	9600 kHz
0930-0945	7290 kHz (irr.)	1230-1242	9600 kHz
1000-1012	7165 kHz (irr.)	1300-1312	7290 kHz (7525 kHz alt.)
1015-1027	7165 kHz (irr.)	1315-1327	7290 kHz (7525 kHz alt.)
1030-1042	7165 kHz (irr.)	1330-1342	7290 kHz (7525 kHz alt.)
1100-1112	7525 kHz	1500-1512	7165 kHz (rarely)
1115-1127	7525 kHz	1515-1527	7165 kHz (rarely)
1130-1142	7525 kHz	1530-1542	7165 kHz (rarely)

ID: Chinese: "Qing zhu-yi! Zhe-li shi Wu-zhan-zhe Zhan-dou-shi. Jin-tien xiang quan-guo zhen-de Ma-Lie-zhu-yi Wu-zhan-zhe tong-zhi-men guang-bo" ("Please pay attention! This is Proletarian Battle Division. Today broadcasts for real Marxist-Leninist proletarian comrades"); "Qing zhu-yi! Xia-mian qing ting Jie-fang-jun-zhi-sheng" ("Please pay attention! From now please listen to the Voice of the Liberation Army"). Sign on and sign off with

the "Internationale", Radio Peking disc version.

RED ARMY RADIO STATION ("Hongjun Guangbozhan"): This Soviet-based black clandestine has been traced irregularly since late June, 1972. It may share facilities with "Sparks" (believed inactive, but one unconfirmed report suggests otherwise) and appears to be allied with Radio Red Flag on 995 kHz MW.

Red Army Radio Station was noted reactivated on March 13, 1974. Programming is in Chinese and all transmissions are jammed.

Transmissions are irregular and, when heard, their broadcast times vary slightly.

1400-1410, 1415-1425, 1430-1440, 1500-1510 & 1515-1525 on 7210 kHz (7190 & 7240 alts.)

ID: Chinese: "Zhe-li shi Hong-jun guang-bo-zhan. Xian-zai xiang quan-dang tong-zhi, quan-jun zhi-zhan-yuan he quan-guo ren-min guang-bo" ("This is Red Army Radio Station. Now broadcasts for comrades of the whole party, all commanders and soldiers of the whole army and the national people!"). Sign-on & sign-off with "Liberation Army March" ("Jiefangjun jinxingqu"), march of the Chinese People's Liberation Army.

RADIO RED FLAG ("Hung Chi Kwangpo Tientai"): This Chinese-language black clandestine appears to be located in the Khabarovsk-Vladivostok region of the Sino-Soviet border. As with all Soviet stations of this genre, Radio Red Flag's programming is anti-Maoist.

The schedule, as traced by Lars Rydén of Tokyo, is:

1130-1143, 1230-1243 & 1330-1343 on 995 kHz

ID: Chinese: "Che-li shi Hung Chi Kwangpo Tientai" ("Here is Radio Red Flag"). There are no interval signals, signature tunes or anthems played.

UNIDENTIFIED: An unidentified anti-Maoist black clandestine appears to be operating in the 41 meter band, according to Sri Lanka's Victor Goonetilleke.

Its schedule appears to be:

1445-1452, 1500-1507, 1515-1522 & 1530-1537 on 7120 kHz

Nothing more is known as of this moment.

## ANGOLAN REBELS EXPAND BROADCASTS

The "Voice of Free Angola", reported on in the "Angola" section of April's "Clandestine Bulletin", has gone from a twice-weekly to a thrice-weekly program, according to the BBC Monitoring Service. They find it now as follows:

1800-1830 Mon/Wed/Fri (Wed new) on 11865v (Lubumbashi), 15245v (Kinshasa) kHz

A small aside is provided by Thomas Johnson of The New York Times, via Myron Reamy.

In another Portuguese colony, Guinea-Bissau, the rebels communicate with the populace via their clandestine radio station, "Radio Liberation" ("Radio Libertação"), which CB has reported on in detail last December and at other times.

Our information had indicated the real location of the station was near Conakry, in the neighboring Republic of Guinea. This is now confirmed by The New York Times reporter, who writes:

"Many villages have pooled their rice to make up the 1,000 pounds needed to get a transistor radio. With it they can hear the African party radio station in Conakry, and the programs in Portuguese from Radio Moscow, the British Broadcasting Company (sic) and the Voice of America."

## IRAN

Yet another "new clandestine station" based in Iraq and attacking the Shah of Iran has appeared, according to the BBC Monitoring Service. In fact, these appear to be only minor reshuffles of deactivated operations put out by Radio Baghdad. A name change, a shuffle of frequencies and times, and -- voilà! -- old wine is made new.

This latest operation was first traced by the BBC MS on April 27, 1974, with anti-Shah, anti-Iranian Government, and pro-Palestinian broadcasts. The program language is Farsi and the 1515 broadcast is a repeat of that given at 1030. It is called Radio of the Patriots.

1030-1130, 1515-1615 on 7230 kHz

The BBC MS also reports that what was originally understood to be "Radio Khorush" ("Radio Clamor") turns out to be, during periods of clear reception, "Radio Sorush" ("Radio Inspiration"). It appears to be the successor to the "Voice of Iranian Freedom Lovers" and may therefore be via a 50 kw transmitter of Radio Baku, USSR. It was first traced by the BBC MS on December 22, 1973, and is audible in North America, Europe, the Middle East and Asia. The 1930 broadcast is a repeat of that given at 0230.

0230-0330 & 1930-2030 on 7099 kHz (also reported 7099½ kHz)

ID: Farsi: "Mein, Radio Sorush", according to our friend Victor Goonetilleke of Sri Lanka.

In addition to those credited throughout this month's issue of CB, I would also like to thank Glenn Hauser and Don Jensen for their help in obtaining press material. Information from the BBC MS is copyright and may not be reproduced.

**END**

# LISTENER'S



This month's LISTENER'S NOTEBOOK was prepared on May 13. All reports which arrived between May 13 and the deadline will be included in next month's LN. Thanks, DJ.

Dan Jamison  
310 Roanoke Street  
Apartment 21  
Richmond, VA 23225  
Deadline: 15th

**AUSTRALIA** The USA postal address for Radio - Australia is: RA, 1270 Ave. of the Americas, Suite 2708, New York, NY 10020.

Jim Davis, Calif., further reports that Radio Australia broadcasts to NA at 0100-0300 on 15320, 21740  
 NA and S Pac 0115-0300 17795  
 0130-0800 15240  
 1800-2100 9580, 11840  
 Europe 0700-0915 9750, 11765  
 Mid-Pacific 0830-1215 5995  
 1800-2100 11840  
 2000-0830 15160

**BRAZIL** Radio Nacional is testing a new 250 KW xmtr on 11820 and 15385 between 1900 and 0100, with all tests in English. The rhombic antenna is directed to Europe but side lobes produce good signals in the US. R. Nacional seeks reception reports, including tapes, and is offering a special QSL. This new xmtr is the first of nine similar ones for like facilities elsewhere in Brazil. (Morgan Monroe, ID)

**CANADA** In a broadcast hrd over the CBC Northern Svc, Radio station CFRB-CPRX has been charged with breaking the Fair Broadcast Act and was fined \$5000. This stems from an opinion given by Gordon Sinclair (known for his "Americans" record). The enfrengement occured when the Canadian elections were underway. Evidently a political announcement or something like that was made within 24 hours before the election. CPRX, however, plans to contest the decision. (Mark Brown, OH)

Mark also reports **RADIO CANADA INTERNATIONAL**  
 P.O. Box 6000, Montreal, H3C 3A8, Canada

## CZECHOSLOVAKIA

Jerry Stuart, OK, and Mark Brown, OH, both rpt

**RADIO PRAGUE NORTH AMERICAN SERVICE**  
 - Daily Newscast, Radio and Press Review, Commentary and Music

01:00 and 03:00 GMT = (8 & 10 p. m. EST)

5.930 mHz 49 mb 9.740 mHz 31 mb  
 7.345 mHz 41 mb 11.990 mHz 25 mb  
 9.540 mHz 31 mb

## ISRAEL

IBA's latest EE sked via Jim Davis, Calif.  
 0500-0515 7395, 9009, 10250  
 11745, 12025,  
 15100, 17690  
 1130-1200 9009, 10250, 15100  
 15130, 17690  
 2000-2045 7395, 9009, 9450,  
 9495, 9815, 10250,  
 12000, 12025, 15100

**MEXICO** Sistema Radio - Yucatan, XEQM, on 6105 is sked'led from 1200-0500; this by way of Steve Estes, VA. Pwr is 250 watts.

**PERU** A letter to Larry - Yamron, PA, fm Lorne Kli-ewer - the Engineer for R. Peru del Pacifico said that the 9675 outlet signs off at 1100, although many folks have hrd the sta past 1100 w/definite ID's. Obviously there is a mix-up at the sta - if you want to QSL the 9675 channel, rpt

## Western Europe / Europe de l'Ouest

0600-0627	FRENCH / FRANCAIS	6140	
0600-0630*	ENGLISH & FRANCAIS	9625	5960
0630-0657	ENGLISH / ANGLAIS	9685	6125
0700-0727	FRENCH / FRANCAIS	9685	6125
0730-0757	FRENCH / FRANCAIS	9685	6125
1135-1215*	ENGLISH & FRANCAIS	15325	11720
1630-1707*	ENGLISH & FRANCAIS	17820	15325
1745-1815	GERMAN / ALLEMAND	17820	15325
1830-1900	GERMAN / ALLEMAND	7235	5995 809
2000-2057	FRENCH / FRANCAIS	17820	15325 11855
2057-2155	ENGLISH / ANGLAIS	17820	15325 11855
2158-2230*	ENGLISH / ANGLAIS	17820	15325 11855

\* CBC Armed Forces Service / Service des forces armées

## United States / États-Unis

0100-0157	ENGLISH / ANGLAIS	9755	6085
0200-0257	FRENCH / FRANCAIS	9655	6015
0400-0457	ENGLISH / ANGLAIS	9655	6135
0500-0557	ENGLISH / ANGLAIS	9655	6135
1100-1127	FRENCH / FRANCAIS	5970	
1200-1257	ENGLISH / ANGLAIS	5970	

## Caribbean / Antilles

0100-0157	ENGLISH / ANGLAIS	11940	
0200-0257	FRENCH / FRANCAIS	9655	6015
1100-1127	FRENCH / FRANCAIS	15315	11825
1200-1257	ENGLISH / ANGLAIS	15315	11825

**ETHIOPIA** John Creamer, CO, rpts NF's for ETLF, RADIO VOICE OF THE GOSPEL  
 Box 654 Addis Ababa

Target area	GMT	New frequency
Madagascar	0300-0410	11795
West Africa	0530-0610	11860
	1700-1930	11925
	1930-2015	11945
	1915-2000	15385
China	1230-1300	15220 (Thurs.-Sat.)
North India	1330-1430	11900

before 1100. By the way, the 60 meter band outlet, 4975 signs on at 1100.

COMES THAT TIME OF THE YEAR !!!!!

Soon, many of our younger members will have "entered into the outside world", will have graduated from highschool. Others, young and old, will be taking to the outdoors and will perhaps, for a time, not have the enthusiasm for the hobby as they do in the other season of the year. Of course we have come to accept this, it being a happening to be expected. Reports to the section editors will not be overly plentiful; bulletins will perhaps not be so many paged. This is to be understood.

It does the younger good to "enter into the outside world" and it does the older good to "escape" it once in awhile; each need to do these in order to benefit, in ways, the other.

To those who will be graduating, NASWA officers and staff extend sincerest and most hearty congratulations. And to those planning on going on to college, we wish every success and a job well done. We older look upon you as the men of tomorrow, not only in hobby, but also in world. The opportunity is yours, do not shun it! And to those who will be "escaping", perhaps to the mountains, or to the sea, or to a "utopia" of your own, we wish you happiness and well, hoping that whence you return, you will have added to heart and have counted your blessings.

Yes gentlemen, the next few months offer a sojourn from the hobby that many will take, but it should be remembered, kept in mind, your officers and editors nonetheless will continue to serve you as fellow-member and friend. Keep them amind in your happy time as well as in your hobby time. ....in memory of Bill Eddings, past Chief Executive and founder of NASWA as we know it today.....PRENDX, May 1970

HOLLAND Radio Nederland - P.O. Box 222 Hilversum - The Netherlands  
(John Creamer, CO; Jerry Stuart, OK;  
Jim Davis, Calif.)

**ENGLISH TRANSMISSIONS (weekdays only)**

- |   |   |
|---|---|
| I. 06.30-07.50 GMT, to NEW ZEALAND AND THE PACIFIC AREA<br>freq: 811730 kHz<br>6.30-7.50 p.m. New Zealand Time  | VII. 18.30-19.50 GMT, to EUROPE<br>freqs: L6085 and L6020 kHz   |
| II. 08.00-09.20 GMT, to AUSTRALIA, NEW ZEALAND AND THE PACIFIC AREA<br>freq: 87715 kHz<br>6.00-7.20 p.m. Australian Eastern Standard Time<br>8.00-9.20 p.m. New Zealand Time  | VIII. 18.30-19.50 GMT, to WEST AFRICA<br>freq: L11730 kHz<br>5.45-7.05 p.m. Liberian Time<br>6.30-7.50 p.m. Algeria, Ghana<br>7.30-8.50 p.m. Nigeria, Zaire (etc.)<br>8.30-9.50 p.m. Libya                                |
| III. 09.30-10.50 GMT, to EUROPE<br>freqs: L7210 and L6045 kHz   | IX. 21.30-22.50 GMT, to NORTH AMERICA (east)<br>freqs: L11730 and L9715 kHz<br>4.30-5.50 p.m. Central Daylight Saving Time<br>5.30-6.50 p.m. Eastern Daylight Saving Time<br>6.30-7.50 p.m. Atlantic Daylight Saving Time |
| IV. 09.30-10.50 GMT, to FAR EAST<br>freqs: L15420 and L15305 kHz  | X. 02.00-03.20 GMT, to NORTH AMERICA (east)<br>freq: 811730 kHz<br>8.00-9.20 p.m. Mountain Daylight Saving Time<br>9.00-10.20 p.m. Central Daylight Saving Time<br>10.00-11.20 p.m. Eastern Daylight Saving Time          |
| V. 14.00-15.20 GMT, to SOUTH AND SOUTHEAST ASIA<br>freq: L21570, L21480, L15425 and M11740 kHz<br>EUROPE freq: L6045 kHz<br>7.00-8.20 p.m. Pakistan Standard Time<br>7.30-8.50 p.m. Indian Standard Time<br>8.00-9.20 p.m. Bangladesh Standard Time<br>8.30-9.50 p.m. Burmese Standard Time<br>9.30-10.20 p.m. W. Indon. Time | XI. 05.00-06.20 GMT, to NORTH AMERICA (west)<br>freq: 89715 and 86155 kHz<br>10.00-11.20 p.m. Pacific Daylight Saving Time<br>11.00-12.20 p.m. Mountain Daylight Saving Time  |
| VI. 18.30-19.50 GMT, to SOUTHERN AND EAST AFRICA<br>freq: M6020 kHz<br>8.30-9.50 p.m. Malawi, Zambia, Rhodesia, South Africa<br>9.30-10.50 p.m. Uganda, Kenya, Tanzania   |   |

L = transmission via Lopik (Hilversum) B = transmission via Bonaire M = transmission via Madagascar  
Transmissions, frequencies and programmes are subject to change, due to propagation conditions or interference

USSR Many Soviet local stations reply to letters if Russian mint stamps are enclosed for return postage. IRC's are virtually unknown in many of these areas. If you wish to receive covers plus Soviet air-mail stamps, write Rumen Borisov, Box 199, Sofia-C, Bulgaria. The price for 1 cover w/air-mail stamps = 3 IRC, 2 covers w/air = 5 IRC's, 4 covers w/air = 10 IRC's. Include a sufficient amt of IRC's for return airmail postage fm Rumen also!

NORTH KOREA Bob Hill, WIARR/6, CA, sez that Radio -

Pyeongyang is using several new freqs that do not appear in the WRTH or elsewhere.

0400-0455 SS 9371, 12069  
0500-0550 EE 9976  
0800-0850 KK 7407, 9895\*  
1400-1450 RR 9371, 12069  
2100-2150 FF 9976  
2200-2250 KK 9371, 12069

(\*)= during 0400 SS xmsn, these two freqs were given for the second SS pgm @ 0900; they are ancd as 7405 & 9845!!

Propagation permitting, listed WRTH freqs were checked out for these xmsns but were unhrd. No //'\*s to 9976 have been found yet. HS on 11349.

ETC. - - When using coiled wire for a dipole, it is often difficult to get both halves exactly the same length. One solution to the problem is to use ordinary household "zip-cord", cut it to the desired length, and then simply tear down the center to split it. (Neal Perdue, TN)

ETC. - - Chuck Rippel sez that he has some copies of an African survey that he cooked up to give away. Include a SASE in your request to Chuck at 1316 Alanton Dr., Virginia Beach, VA 23454.

WILL WE SEE YOU AT THE NASWA CONVENTION IN COLUMBUS FROM JULY 19-21??

**SOUTH AFRICA** Mark Brown, OH,  
informs us of the  
**PROGRAMMES OF RADIO RSA**

**ENGLISH PROGRAMMES**  
TIME GMT

Time GMT	Programme	Frequencies (KHz)
<b>Africa and Middle East</b>		
0513-0613 (Mondays to Saturdays)	---	15220, 9995
1055-1200 (Mondays to Sundays)	---	23790, 21335, 15220, 11900
1300-1330 (Mondays to Sundays)	---	25190, 21335, 15220, 11900
1556-1850 (Mondays to Sundays)	---	17789, 9525
1856-1950 (Mondays to Sundays)	---	11970, 9695
<b>North America</b>		
2226-0242 (Mondays to Sundays)	---	11970, 9695, 9585, 11900
<b>Europe</b>		
1756-1850 (Mondays to Sundays)	---	17885, 15174
0956-1050 (Sundays only)	---	21490
<b>New Zealand</b>		
0756-0850 (Mondays to Sundays)	---	15220, 21545, 17905
<b>Australia</b>		
0856-0950 (Mondays to Sundays)	---	15220, 21545, 17905
<b>General</b>		
1026-1046 (Mondays to Saturdays)	---	21535, 15220, 9695
<b>SANAE</b>		
1461-1550 (Sundays only)	---	15220, 17885

**SUDAN** Radio Omdurman's latest sked is:  
0400-2200 5039, 6150, 7120, 9505, 11835 ...in Arabic  
1500-1800 5039, 11835...in AA, Eng, & local lang's  
1800-1900 11835 ...the "Expatriates Service"  
The verie signer is Ali M. Ali.  
(Andy Robins, MI)

**SWITZERLAND** The SBC sked via Allan Courtney, KY; Jerry Stuart, OK; and Charles Foxx, VA.

**North and Central America, North America West**

Times in GMT	Frequencies
01.45-02.15	6120, 9535, 11715 and 15305 kHz
04.30-05.00	9725 and 11715 kHz
13.15-13.45	15140 kHz (Newsl)

**USA** Another new 250 KW transmitter is being tested by KGEI, Voice of Friendship, San Francisco, which also seeks reports. No test sked has been anced but testing has been hrd on the 19, 25, 31, and 49 meter bands. (Morgan Monroe, ID) ...freqs Morgan??? ed.

**TURKEY** via your ed

**THE VOICE OF TURKEY BROADCASTS**

Language	Time G.M.T.	Turkish Time*	Frequency kHz	Wave length m.	Geographical zones
Turkish	03.55-22.00	05.55-24.00	9.515	31.53	27-27
"	06.00-14.30	09.00-17.20	11.880	25.25	27-28
"	16.30-20.45	19.30-23.45	11.880	25.25	27-28
Arabic	05.00-06.00	08.00-09.00	11.880	25.25	39-39
Rumanian	14.30-15.00	17.30-18.00	11.880	25.25	28
Greek	15.00-15.30	18.00-18.30	11.880	25.25	28
Bulgarian	15.30-16.00	18.30-19.00	11.880	25.25	28
Serbo-					
Croatian	16.00-16.30	19.00-19.30	11.880	25.25	28
German	21.00-21.30	24.00-00.30	11.880	25.25	27-28
French	21.30-22.00	00.30-01.00	11.880	25.25	27-28
English	2200-22.30	01.00-01.30	11.880	25.25	27-28



**GEOGRAPHICAL BROADCASTING ZONES**

And that is about it for another LISTENER'S NOTEBOOK. A hardy word of thanks is extended to all of our contributors for their valuable contributions to LN. We are looking forward to receive some material from YOU! Schedules, observations, tid-bits, and general information are always welcome. Please, all times in GMT. If you desire the return of your sked, please enclose a SASE.

73 and Happy Listening,

*Don*

**HEADQUARTERS**

**DEPARTMENT OF RED FACES**

- A. In my delight at getting the last issue of FRENDX in the mail before the end of the month I omitted mention of the one thing that should have been included the 1974 ANARC Convention; The convention will be held in New York this year. Complete details are available elsewhere in this issue of FRENDX. These meetings are always of great interest to the oldtimers and newcomers alike. Don't miss it!
- B. No sooner had I noted something about the U.S. Postal, without the service, than I received a letter addressed only to "Box 25303, Charleston, Virginia". Some service minded postal employee had noted on the envelope, "try Ferguson - 8452". Taking that as evidence that the U.S. Postal has put the service back in, I'll put the Service back in, and, in the future, refer to the U.S. Postal Service. Dan Ferguson

# Scoreboard

EDITOR:

Neal A. Perdue  
4902 S. Bilrae  
Millington, TN.  
U.S.A. 38053

DEADLINE: 10th of month

TEL: (901) 872-2133  
Saturdays only please

## SCOREBOARD

Please note new editor for SCOREBOARD ONLY. QSL REPORTS still go to Larry Yamrom. Scoreboard is published in June, Sept, Dec, & March. NEW DEADLINE to meet FRENCH publishing requirements is the 10th of the month preceding publication. SPOTLIGHT this month is on Oceania and will fall on S. America in Sept. Please update your totals at least semi-annually. HIC/VIC are countries heard/verified. HIS/VIS are stations heard/verified. I hope to get good at this after awhile.

REPORTER/LOCATION	HIC	VIC	HIS	VIS	HIC	VIC	BEST QSL/FREQ.
1. Don Jensen, Wisc.	216	211	---	---	---	---	-----
2. Gerry Dexter, Wisc.	211	207	976	766	---	---	-----
3. James Young, Cal.	211	180	687	216	---	---	-----
4. Samuel Barto, Ct.	207	190	1125	584	---	---	-----
5. Bob Padula, Austr.	203	198	---	---	15	15	SIBS 5960
6. Dan Henderson, Md.	202	188	---	---	---	---	-----
7. Edward Shaw, Va.	202	183	504	255	---	---	-----
8. John Campbell, Swtz.	202	173	---	---	---	---	-----
9. Ernie Behr, Ottawa	200	152	928	253	---	---	-----
10. William Sparks, Cal.	198	192	---	---	575	16 16	New Ireland 2428
11. Marlin Field, Mich.	196	190	755	605	---	---	-----
12. Marvin Robbins, Neb.	194	157	748	395	---	---	-----
13. Ralph Perry, Ill.	191	181	---	---	12	12	Mt. Hagen 2450
14. Bill Flynn, Cal.	191	173	682	449	---	---	-----
15. Allen Roth, N.Y.	191	171	559	425	---	---	-----
16. Al Niblack, Ind.	191	118	---	---	---	---	SIBS 3995
17. Jim Hagen, Va.	189	65	---	---	12	5	SIBS 3995
18. Allen Mayer, Ill.	183	131	---	---	11	8	R. Wewak 3335
19. Gregg Galkin, Pakist.	181	165	409	314	---	---	-----
20. Scott Reeves, Md.	176	141	---	---	11	11	RRI Sorong 4871
21. Bruce Churchill, Cal.	170	145	230	179	---	---	-----
22. Don Johnson, Cal.	164	112	321	172	---	---	SIBS 3995
23. Larry Yamrom, Pa.	161	119	305	160	11	11	SIBS 3995
24. Tom Gavaras, Minn.	160	114	279	198	7	5	-----
25. Steven d'Adolph, N.D.	159	130	195	157	11	10	Gilbert&Ellice B.S.
26. Albert Miller, Jr, Oh.	153	129	343	154	11	10	SIBS 3995
27. John Sgrulleta, N.Y.	141	134	---	---	---	---	-----
28. Larry Abraham, Mi.	140	97	---	---	---	---	-----
29. Charles Wooten, Mor'col	137	104	287	222	---	---	-----
30. Al Reynolds, Tn.	136	107	247	134	---	---	-----
31. Neal Perdue, Tn.	136	52	---	---	-8	-6	Papua, VLT-9 9520
32. Rich Koret, N.Y.	134	90	---	---	8	5	R. Tahiti 15170
33. Tom Cwikla, Ct.	133	114	257	182	---	---	-----
34. Mark Duba, Vt.	133	104	---	---	---	---	-----
35. Elliot Straus, N.J.	132	59	---	---	---	---	-----
36. Larry Marshall, Cal.	131	111	---	---	---	---	-----
37. Doug Burlew, Pa.	131	48	---	---	---	---	-----
38. Andrew Pappas, Ill.	130	118	130	118	7	7	R. Fiji 3230
39. Joey Nonnast, TX.	130	110	229	155	8	5	ABC Sydney 6090
40. K. Greer, M.C.	130	180	---	---	8	5	ABC Papua 9520
41. Greg Kelley, Va.	129	96	152	123	8	6	N. Caledonia 11710
42. Edward Pyatt, Ga.	127	103	---	---	3	3	R. Tahiti 15170
43. Steve Wallace, Pa.	127	53	---	---	---	---	-----
44. Jerry Lineback, Ill.	125	50	256	66	7	3	R. Tahiti 11825
45. Neal Kolb, Fla.	124	72	273	---	---	---	-----
46. David Simon, N.Y.	121	77	271	146	---	---	-----
47. Marty Austin, Cn.	118	84	211	123	---	---	-----
48. Steve Estes, Va.	118	53	205	59	---	---	-----
49. Denny Driscoll, N.C.	102	102	---	---	---	---	-----

REPORTER/LOCATION	HIC	VIC	OCEANIA		BEST QSL/FREQ.
			HIS	VIS	
50. Wade Smith, Mass.	114	58	---	---	-----
51. C. Patterson, Ga.	113	101	308	156	-----
52. Bill Paschke, Wl.	112	68	207	83	-----
53. Arthur Smith, Al.	111	80	---	---	7 4
54. Mac Leonhardt, In.	107	65	---	---	R. New Zealand
55. Woody Seymour, N.C.	104	89	---	---	-----
56. Jeremy Forster, N.S.	104	59	---	84	-----
57. Michael Agner, N.J.	97	63	193	66	4 4
58. William Zuk, N.Y.	97	55	---	---	VNG Lyndhurst
59. Elton Hewitt, Id.	95	81	116	102	8 7
60. Mildred Marshall, MD	94	86	134	118	4 4
61. Larry Nebron, Ca.	93	60	125	80	---
62. David Ball, Ont.	92	78	142	103	---
63. Jerry Word, Ga.	89	75	---	---	-----
64. Corky Webb, Tx.	88	73	144	102	---
65. Wallace Peters, N.Y.	86	50	96	54	---
66. William Plum, N.J.	84	70	169	127	---
67. Donald King, Pa.	71	60	106	82	3 3
68. Henry Fino, N.Y.	70	49	86	54	---
69. David Coursey, Tx.	68	---	100	---	-----
70. John Walenter, Ill.	67	62	73	68	---
71. Frank Hermann, Montr.	65	52	89	61	4 4
72. Cirro Guarduoci, B.C.	65	49	123	68	---
73. Norman Starr, Oh.	60	22	---	---	-----
74. Mark Brown, Oh.	58	48	82	67	---
75. J. Cole, Colo.	51	30	61	31	---
76. R. McLeod, Pa.	48	7	73	12	---

A new typewriter is on order, a new spacing format has been worked out, the two misspelled names have been noted, and I expect to get out a much smoother second effort in September. Keep all those cards and letters coming in, all you folks out there in Radioland, and we'll get this thing straightened out pretty soon.

73,

*ndf*  
Neal A. Perdue

## HEADQUARTERS

ENGLISH LANGUAGE BROADCASTS AUDIBLE IN NORTH AMERICA I've compiled a preliminary listing of English transmissions on SWBC which are audible in NA. The listing is, however, not as accurate as I would like it to be. I am expecting to put the data on punch cards soon, and to be able to keep it updated rather easily after that. If there is sufficient demand for the listing, it will be issued regularly, probably once a quarter. This mention is made to determine expected demand for such a listing. The current, preliminary, list is 4 pages long, but a final listing would be somewhat longer. In addition, it might possibly have some comment regarding the program content, as well as the times and frequencies when the stations can be heard. My question is, would listeners find such a listing useful?? If so, it can be done. Your comments welcome. Dan Ferguson (Write c/ the NASWA HDQ address; Box 8452, S.Charleston, WV 25303.)

QUESTION Why don't you have more articles on technical subjects like antennas, receivers, accessories, propagation, etc.?

ANSWER Why don't members who are capable in these areas write the articles? We can't run material we don't have. Dan F.

QUESTION When are you going to send me a picture of you and your equipment? The membership wants it. (Ed Shaw, SWC Editor)

ANSWER My camera got tangled in all the wires interconnecting the receivers and accessories. And while trying to untangle it I got tangled myself. Anyway, half the membership dropped out the last time you ran my picture! DF

COMPLAINT I would have been out \$55 if I hadn't read all the way to the end of the article in April on the "Saudara" receiver. Why do you run that junk, anyway?

ANSWER Where would you have sent the \$55? No address was given until the end of the article. Just shows you should always read all of FRENDX. DF

WHEN WRITING HEADQUARTERS EXPECTING A REPLY, YOU ARE MORE LIKELY TO GET THE REPLY IF YOU INCLUDE RETURN POSTAGE! IN FACT, AN SASE HAS BEEN KNOWN TO DO WONDERS!

# THE LAST WORD

by Dan Ferguson

BBC WORLD RADIO CLUB Late word is that the BBC WRC will be broadcasting interviews with NASWA members Perry Ferrell, Fred Heutte and Larry Magne in upcoming weeks. It appears that the first of these interviews will have been aired by the time you read this - during the week of May 29. The BBC WORLD RADIO CLUB is broadcast Wednesdays at 1330, Thursdays at 2030, Fridays at 2315 and Sundays at 0815.

UPCOMING is a series of articles on antennas, which should be well received by those who have been requesting such material. Will begin with the July issue, according to plans.

LOCAL DX GROUPS A number of local groups have started up recently. We are delighted to pass on information on these groups to the NASWA membership. In the past DXers have had to use the mails for contact with others in the hobby. Recently, however, the Boston Area DXers and the Southern California Area DXers (BAD3 & SCADS) have shown that local DX meetings can be fun and educational. We are quite pleased to note the formation of a local DXing group in Minnesota; the group can be contacted through Tom Gavaras, 16920 17th Avenue, N., Wayzata, MN 55391.

ISRAEL Last minute information: English sked:

0500-0515 7395, 9495, 10248, 11700, 12025, 15100, 15490, 17690, 9785, 9009  
1130-1200 9009, 9495, 9785, 10248, 12000, 15100, 15130, 15490, 17690  
2000-2045 7395, 9495, 9785, 9815, 10248, 11700, 12000, 12025, 15100, 15490,  
plus 9008.3 to Africa.

(Larry Magne)

COLOMBIA A new station of Radio Cadena Nacional, "Ondas del Amazonas", was inaugurated in Leticia on May 11, 1974. The State Minister said at the opening ceremony that the new station will benefit not only Colombia, but also the neighboring countries of Peru and Brazil. (Reprinted by permission of the BBC Monitoring Service) Frequency not given. (DF)

VENEZUELA Radio Rumbos, on 9660 and 4970 kHz, at 0900-0455. Radio Rumbos is the key station of the following network of stations: Radio Maracaibo, Radio Sucre, Radio Barcelona, R.Curupano, R.Punto Fijo. Affiliated stations: Radio Maturin, R.Bocono, R. Guyana, R.Puerto Ordaz, R. Zaraza, R. Tachira, R. Colonial, R.Barinas, La Voz Angostura, R. Tucupita, R.Turismo, R.America, R.Libertad, R.Universidad.

Radio Continente, 5030 kHz at 0930-0500

Ecos del Torbes, 9640 kHz, at 0955-0400

(Above data from the BBC Monitoring Service and is used by permission. We cannot grant the right to reprint BBC MS data.)

LEBANON Radio Beirut's broadcasts in English, Arabic and French to Europe and Africa from 1830-2030 are currently on 15210 kHz. The Portuguese, Arabic and Spanish programs to South America at 2300-0100 are on 15335 kHz. (BBC MS - used by permission)

CHINA Radio Peking's English transmissions to North America are currently scheduled as follows, according to the BBC Monitoring Service:

0001-0100 on 17675, 15520, 15060, 8300, 6810  
0100-0200 17855, 17490SSB, 15520, 15350, 15060, 11965, 11455, 11445, 11375, 10865, 8240, and from Tirana on 9780 and 7120.  
0200-0300 17855, 17490SSB, 15350, 15060, 11965, 11455, 10865, 8240  
0300-0400(WC) 17855, 17735, 17530, 15060, 11630SSB, 11445, 11375, 10865, 8240, and from Tirana on 9780 and 7120  
0400-0500(WC) 17855, 17735, 17530, 15385, 15060, 11630SSB, 10865, 8240  
1200-1300(EC) 11685, 8260, 5250, 4130 (BBC Monitoring Service - by permission)

FROM THE MAIL You don't say what the airmail rate is for the Flashsheet!...Answer: It is now available via airmail only outside NA. Same goes for FRENDEX. We found that the great majority of those using airmail (with the resultant extra work here) were not contributing to any of the FRENDEX sections. Result: airmail no longer available.

REPRINTS We are looking for someone not too far from Charleston to handle reprints, special publications, etc. Requires space to store them, plus some time each week to mail them out. Any West Virginia, western Virginia, or eastern Ohio or Kentucky members interested?? Contact DF at headquarters address.

THANKS to all who contributed to this issue of FRENDEX, whether by reporting, editing, or in whatever means. Your efforts are appreciated!

73, Dan Ferguson

# Log Report

## NEW ADDRESS

NASWA LOG REPORT  
M.R. LEONHARDT  
P.O. BOX 13  
LIBERTY, IN 47353  
U. S. A.

DEADLINE: 12th of month

REPORTS MUST BE AT THE ABOVE NOTED LOG REPORT ADDRESS BY THE 12TH OF THE MONTH. BE SURE TO MAIL IN TIME...USE ONLY ONE SIDE OF THE PAPER, AND LEAVE SPACE BETWEEN EACH ITEM, AS REPORTS ARE CUT APART IN PROCESSING. IDENTIFY EACH ITEM WITH YOUR LAST NAME. LIST ITEMS BY FREQUENCY IN EITHER ORDER, USING THE GENERAL FORMAT USED IN LOG REPORT. Thank you.

- 2340 PAP/N.G. R.Weast.N.Brit. 1115 Pid., native mx (Bowsby)  
2376 PAP/N.G. R.Chimbu 1110 Pid. (Bowsby)  
2410 PAP/N.G. R.Goroka 1100 Pid. (Bowsby)  
2428 PAP/N.G. R.New Ireland 1045-1215 Pid. Isl. mx, (Snyder, Hauser)  
2446 REUNION ORTF St. Denis \*0228-0300 most days, guitar IS, opens in FF w/ annt., short mx, mx (Heutte)  
2468 PAP/N.G. R.N.Dist. 1135-1205 lcl mx, Pid. (Tuchscherer, Bowsby)  
3165 INDON. R.Khusus Pemerintah Daerah Kabupaten Kotapraya Surabaya operates on this freq. could be ?? in May FDX (Tyson-Aust.)  
3220 PAP/N.G. R.Morobe 1140-1202\* in Pid. (Bowsby)  
3260 PAP/N.G. R.Madang 1025-1103 Pid. Isl mx (Snyder)  
3290 GUYANA GBS 0331 Act. R. EE, pop mx (Earhart)  
3300 GUAT. R.Cult. 0330-0400 EE rel px (many)  
3315 BRAZIL R.Gazeta de Algoas 2330-0230 PP, spts, anns (Reeves, Dexter, Earhart)  
3316 SIERRA LEONE 2320 Afr. mx (McCall)  
3320t N.KOREA Pyong. 1240 lang, OM, YL tx past 1300 (Bowsby)  
3322.5 PAP/N.G. Bougainville 1105-1301\* Pid. Isl mx, (Bowsby, Snyder)  
3336 SENEGAL Zlg. 2320-0015 AA infl. chants, FF OM, ID- "Ici Senegal", (Reeves)  
3339 ZANZIBAR RTZ \*0328-0400 Drum IS, AA annts, chants (Heutte)  
3366 GHANA Accra 0540-50 EE, ID, mx (Lineback)  
3375 BRAZIL R.Olinda 0030 after Angola s/off, mx, anns, ads, ID (Heutte)  
3375 ANGOLA 0045-0110 PP w/ SS/FP mx, tx abt Luanda (Lohe)  
3380 MALAWI MBC 2135-2210\* EE, c&w mx, 2200 nx, rel px, ID, off w/NA (Lohe)  
3380 GUAT. R.Chortis 0150-55 SS, LA mx (Burlaw)  
3390 ECUADOR R.Zaracay 0300-0400 SS, futebol, ID, anns, (many)  
3425 NEPAL RN 1310-20 lang, mx, UTE, 4/14 (Snyder)  
3945t NEW HEBRIDES R.Vila 0725-0914\* FF tx, some mx, QRN (Snyder)  
3955 S.AFRICA SABC 0440 Afrikk. //4875 (Bowsby)  
3990 TAIWAN AFNT 1224 EE w/ r&r mx 4/14 (Snyder)  
4000 INDON. RRI-Pontianah 1516\* w/stn ID, Love Ambon (Tyson)  
4000 INDON. RRI-Tanjungkarang (per Vic. G.) fr. 1132-1200 spch, cntry, RRI relay 1200 (Hill)  
4467 BOLIVIA R.Movima 0255 OM in SS, 0259 chime, weak and deep in the mud, 5/15 exc. LA nite (Heutte)  
4639 UNID seems LA weak w/SS? tx to 0302 (Heutte)  
4669t BOLIVIA R.Santa Ana 0305 mx, SS annts, only pieces, weak (Heutte)  
4690 UNID Asian 1320 5/5 lang, OM slow tx, hrd oft. (Bowsby)  
4698 INDON. RCIIP Surabaya 1420-30 Indo mx 4/16 (Nebron)  
4700 BOLIVIA R.San Miguel 0025-0130 no ID but px as before when ID'd low lvl SS tx, folk mx (Reeves)  
4719 INDON. RRI-Padang 1100-10 YL w/ nx rapid fade (Keating)  
4730 BOLIVIA R. Abaroa 0030-0330 various days, nvr vy gud, usual mx, annts, app. nx 0100 (Heutte)  
4746 UNID Asian 1324 lang, OM tx, off by 1330 (Bowsby)  
4765 CONGO RTVC 2259-2310 ID, FF, mx (Agner, Schwartz)  
4766 ECUADOR C.R.E. 0355-0413\* SS, s/off w/NA (Bowsby)  
4777 GABON Libreville 2255-2300 FF, ID, Pol. tx (Bowsby)  
4781t MALI RM 0557 FF, march mx, 0600 tent ID, Afr mx to 0630 (Bowsby)  
4788 TURK & CAICOS ISLDS. 2251-0100 US oldies, EE DJ tx, (Agner, Burlaw, Mayer, Hambright)  
4788 PERU R.Atlantida 0355-0400\* SS, ID, mx (lineback)  
4800 ECUADOR R. Pop. Indep. 0445, Andean mx, SS annts, gud, UTE (Heutte to 0607\* (Bowsby)  
4805 INDON. RRI-Jakarta 1328-58 pop vocals, fol by 2 min. of annts, OM spch 1400, then vocals (Hill)

- 4810 GALAPAGOS R.G. 0400-0503\* new ID, after R. Pop. s/off, weak w/bad het, after 0430 stronger, terrific, mostly Andean mx, 0500 complete ID ann. 5kw. OM hoped sig. gud, said tune tomorrow, abrupt off in middle of sng 5/15 (Heutte)
- 4815 COLOMBIA R.Guatapuri 0415 SS, ID (Bowlsby)
- 4823 ECUADOR R.Luz y Vida 0415 Andean mx, SS annts (Heutte)
- 4825 UNID Brazilian, PP nx 2255, mx 2310-40, no ID (Reeves)
- 4825 UNID LA 0200-0500 mx, annts, strong carrier, readable mx, but voice annts, barely aud. no ID poss. (Heitte)
- 4825 PERU LV de Selva 0308 spts bdcst, ID 0316 (Dexter) 1040 SS, mx, tx (Zilmer)
- 4845 INDON. RRI-AMBON 1230 Indo tx, mx 1255 ID, 4/13 (Behr)
- 4845 MAURETANIA RM 2150-2230 AA, ID, chants (Keating)
- 4850 DOM.REP. R.Clarin, new station reported by 17 reporters from coast to coast from 2130-0807 w/ SS, LA pops, ID's, also anng. 11700 50 kw., 4850 3kw., also 860.
- 4853\* BOLIVIA R.Centenario 0204 4/18 w/ mx, TC (Dexter)
- 4855 MOZAMBIQUE RCM 2125-2200 PP, US pops (Bohe)
- 4860 USSR Eur. RM, EE to NA, \*2300-0105 only USSR 60 mb. to US, rarely hrd (Reeves)
- 4860 PERU. R. Chinch. 0205 hets YV hrd past 0600, Andean mx, 0619 ID (Dexter, Reeves)
- 4865 BRAZIL R.Cl do Para 0025-0135 spts, mx, PP annts (Heutte,Lohe)
- 4875 S.AFRICA RSA Ext Svc 0300-0430 EE, 2100-50 EE, 0430-0500 Lozi, 1800-50 FF, 1900-50 PP (Reeves)
- 4875 BOLIVIA Cruz del Sur 0020-0145 SS, orch mx (A.Miller, Heutte)
- 4887 BRAZIL R.Pioneira de Teresina 2215 PP mx, nx (Heutte) 0904 TC, fgy, ID (Jones)
- 4890 MOZAMBIQUE RCM 0430 lcl mx, YL in Swah. w/ID (Mayer)
- 4895 BRAZIL R. Bare 2245-0030 PP, annts, mx, ads, Angola underneath to 2300 (Heutte, Mayer)

Pretty small section this month, but some interesting catches nevertheless. Gud 73's to all. Elliot R. Straus-60 Madison-Long Branch, N.J. 07740

## HEADQUARTERS

AWARDS CHAIRMAN DAN HENDERSON asks that we remind those writing him, applying for the NASWA DX awards, to put their name and address on every sheet of paper sent. This will help prevent delays.

MEXICAN MWers The May 27, 1974, issue of DX NEWS (National Radio Club) contained a 32 page supplement listing Mexican medium wave stations, by frequency, giving location, slogan, power, schedule, address and format. Any NASWA members who also tune the MW fgy's would probably find the list useful. I don't know if it is available separately, but you could find out by writing National Radio Club, Box 127, Boonton, NJ, 07005. Be sure to include an SASE and tell them NASWA sent you. (If you don't include the SASE, please don't tell them NASWA sent you.) Dan F.

### ORF, AUSTRIA FREQUENZPLAN

ORF	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Europa							d	d	d	e																
Europa-Südost																										
Europa-Südwest																										
Europa-West																										
Nordamerika																										
Nordamerika-Ost																										
Mittelamerika																										
Südamerika																										
Afrika-Ost																										
Afrika-Süd																										
Afrika-West																										
Vorderer Orient																										
Australasien und Asien-Südost																										
Asien-Ost																										

Legend: [d] [f] [e] [s] Informationsprogramm/Deutsch/Französisch/Englisch/Spanisch [shaded] Ausgewählte Wort- und Musikprogramme

- 4900 VENEZUELA R Juventud 0300-0345 SS, talks, LA mx, utility QRM, F (Bovlsby, Edelson)  
 4900 Unid African, Af mx, male ancr, s/off with NA, 1910-1933\*, weak (Lohe-Eu)  
 4904 CHAD Ft-Lamy 2206 African pgm, F (McCall)  
 4910 VENEZUELA R Carora 0035-0159\* often, het, closes with NA (Reeves)  
 4915 COLOMBIA R Guatapurí 0405-0431 LA mx, tangos, ID by man 0428, some het, F (Earhart)  
 4915 GHANA RG-Accra 0556-0600 EE, Af mx, nx by woman, F (Lineback) 2245-2255 EE, N:E, G (Schwartz) Don't forget Columbus...even Loudenboomer will be there (807 in hand!)...  
 4920 AUSTRALIA VIM4-Brisbane 0745-0800, 1105 EE, ID, nx, drama, F (Hambricht, Schwartz)  
 4920 INDIA AIR 0030 mx, ID, talk in vernacular, G (Lohe-Eu) N:E 1543 (Tyson-Oc)  
 4923 ECUADOR R Quito 0130-0430\* SS, Andean mx, FG (Bovlsby, Brown, Heutte)  
 4924½ MANCHURIA Harbin, Heilongkiang JKT, ex-4913, M&W in CC //5950 at 1310, E (Hill)  
 4926 EQUATORIAL GUINEA R Bata 2145-2300 & 0515-0600 often, SS, strange mx, G (Heutte)  
 4935 BRAZIL R Poti 2230-2330 PP, ads, echoing anmts, best ever (Heutte)  
 4940 IVORY COAST Abidjan 2335-2358\* FF, N:F, G (Schwartz)  
 4940 VENEZUELA R Yaracuy 0100-0400\* SS, nx, rock mx, IDs, TCs, FG (Brown, Burlew)  
 4945 BRAZIL Unid 2155-0100 PP, male ancr, mx, under Colombia after 0100 (Reeves)  
 4945 COLOMBIA R Cosol 0400 SS, mx, songs, nx, VG (Pyatt)  
 4950 SARAWAK RM 1550 fade-in, slow instrumental mx, W ancr, NA, 1601\* (Lohe-Eu)  
 4950 VENEZUELA R Coro 0000-0300\* SS, LA vocals, IDs, TCs, NA, FG (Burlew, Heutte)  
 4955 COLOMBIA R Mac 0510-0528\* SS IDs, Easter mx pgm, VG (Earhart) Lineback)  
 4965 COLOMBIA R Santa Fe 0300-0330 SS, LA mx, TCs, RTTY QRM, F (Brown, Edelson, Wallace)  
 4970 SARAWAK RMS 1230 Malay nx or talk to 1250 fade (Behr)  
 4970 VENEZUELA R Rumbos 0320-0335 SS, LA mx, pops, IDs, ads, GE (Brown, J.Davis)  
 4972 CAMEROUN R Yaounde 2120 FF, FF pops, occasional utility het, G (Lohe-Eu)  
 4972½ ECUADOR R Tarqui, Quito 0100-0400\* SS, romantic LA and Andean mx, frequent fast IDs and TCs, half-hour mx at 0230, off with ID, NA; ute and Rumbos splash (Dexter, Heutte) † 0345 mx, SS anmts (Behr) Active for quite a while here; tough to ID!  
 4976 UGANDA RU 2105-2116\* EE rel pgm, songs, prayers, ID as Nat Svc, NA, FG (Lohe-Eu)  
 4980 GHANA RG-Ejura 0555-0645 EE, pop mx, talks, ads, //3366, F (Earhart, Lineback)  
 4980 VENEZUELA Ecos del Torbes 0300-0600 SS, LA singing, IDs, usually 0400\*, FGE (Brown, J.Davis, Edelson, Heutte)  
 4985v INDONESIA Unid 1200-1230\* Indo pgm, seems new (Behr) It's RRI-Ujung Pandang per VG and others. FH  
 4990 NIGERIA NBC-Shogunle 0450-0510 EE/vernac, M with chants, pips on hour, W with N:E, best ever, F (Lineback) 2300-2315 EE, W hosting Af mx, ID 2315 (Keating)  
 4990 VENEZUELA R Barquisimeto 0230-0300 US rock, ads, SS IDs, E (Brown, Burlew) \*1100, SS, full IDs, F (Jones)  
 4985 ANGOLA R Ecclesia 0415-0500 old US rock, PP anmts, maybe chimes, TCs, F (Heutte)  
 4995 BRAZIL R Brasil Central 2215-0230 PP, sports, pop mx, 0M30 mx; good lvl and early fade-in these days (Bovlsby, Heutte, Lohe-Eu, Mayer, Pyatt)  
 4996 PERU R Andina 0300-0530 SS, nice guitar mx, talks, FG (Heutte, Wallace)  
 5007 BOLIVIA R Universo 0330 SS ID, talk, mx, 0405\* (Behr) Ex-5017v. FH  
 5010 CAMEROUN R Garoua 0510-0520 AA chants, Af mx, PF (Dexter, Lineback, Wallace) 2140 chants, mx, severe QRM (Keating)  
 5013 BRAZIL Rdfi Poços de Caldas 0000 presumed, PP M talking, faded 0030 (Field)  
 5015 GRENADA RG 2309-2355 EE, ID, BBC nx, discussion, F (Miller, Schwartz)  
 5018 ECUADOR R Centinela del Sur 0230-0408\* SS, LA mx, ID, freqs, FG (Jones, Lineback)  
 5020t NIGER ORTN-Niamey 2253 heavy QRM, VP (McCall)  
 5025 PERU R Quillabamba 0005-0300\* SS, LA Andean pops, TC, ID, call letters (Lohe-Eu, Field) Quillabamba="Great Plain of the Moon" per letter from stn (Field)  
 5026 UGANDA RU 0400 EE/language but super weak, utilities tough (Heutte)  
 5030 COLOMBIA Brisas del Citara 0950-1100 fade, mx, ID, ads, over VENEZ (Field)  
 5030 PR CHINA RP 1525 EE talk attacking Soviet policies (Tyson-Oc)  
 5030 VENEZUELA R Continente 2350-0450 SS, mx, nx, chimes, IDs (Brunner, Hunt)  
 5033 ANGOLA R Clube da Cabinda 2259\* PP talk, nx, AP, F (Mayer)  
 5033½ COLOMBIA Brisas del Citara 0430 SS mx, SS IDs, 0505\*, NA (Behr)  
 5033½ COLOMBIA LV de Caqueta 0600-0625 SS, piano mx, IDs often (Earhart)  
 5035 COLOMBIA LV de Caqueta 0645 LA mx, TCs, G (Day) 1115 SS, LA mx, ads, ID (Miller)  
 5035 KAZAKH SSR Alma Ata 1530 IS, RR pgm (Tyson-Oc)  
 5039 CENTRAL AFRICAN REP Bangui \*0430 FF, ID, mx, F (Lineback) 2145 N:F by M (Keating)  
 5040 BURMA BBS-Rangoon 1532 continuous instrumental mx (Tyson-Oc)  
 5040½ PERU R Libertad de Junín 0425-0715 SS, mx, IDs, PF (Lineback, Schnabel)  
 5040 PORTUGUESE GUINEA Bissau 2335-0130 weekends, PP, US/PP pops, IDs, G (Reeves)  
 5045 BOLIVIA R Altiplano 0330 LA mx, W in SS with ID, F (Mayer) Irregularly active. FH  
 5045 BRAZIL Unid 2325-0115 PP/US mx, M&W, ancd 5045 kHz, E (Reeves) Sure not Bissau? FH  
 5047 TGO Lome 0540-0640 FF, Af mx, ID, F (Bovlsby, Cress, Earhart) 2300\* ID, FF, F (Schwartz) 2325\* late on 4-29 (Reeves)  
 5050 PERU R Loreto 0455-0515 "la hora exacta, 12, en R Loreto", chime, G, not heard recently (Reeves)  
 5052 SINGAPORE RS 1605-1632\* EE, light mx, W ancr, //5010; Tirana het, G (Lohe, Tyton)  
 5055 Unid sports broadcast 4-29 from 0125, too weak to tell lang. (Field)  
 5057 Unid 0200-0400 LA mx, SS or PP, strong but too much QRN, 4-19/20 (Burlew)  
 5075 COLOMBIA R Sutatenza 0030-0140 SS, mx, talk (Brunner)  
 5095 COLOMBIA R Sutatenza 0510 ID, election returns, mx (Day)  
 5145 PR CHINA RP \*1055, RR ID 1100, EIR, IS, Internationale, N:R, F (Burlew)

- 5805 YEMEN R Sana \*0300-0345 AA, M ancr; chants, F (Earhart, Field)  
 5875 HONDURAS LV de Honduras 0305 SS talk by M, F (Day)  
 5930 CZECHOSLOVAKIA R Prague 0330-0345 EE, mx, FG (Day, Nebron)  
 5938 INDONESIA RRI-Medan 1230 ads, Indo amnts, positive ID (Tyson-Oc)  
 5950 COLOMBIA R Super 0130 (Agner)  
 5960 CANADA RCI Northern Svc 0000-0200, 0420, hockey, cmtry, GE (Meehan, Nebron)  
 5960 ECUADOR HCJB 0503-0528 RR, mx, ID, ancd 0530 switch to 5990 9530, G (Earhart)  
 5965 BRAZIL R Guiaba 0925 PP, talk, variety mx, G (Zilmer)  
 5970 DOMINICAN REP RTVD 2330 SS, ID, xmtr trouble gone now, VG (Agner)  
 5970 PERU R El Sol 0500 N:S (Field)  
 5975 ENGLAND BBC 2230 EE, mx, nx by W, E (Wilson)  
 5980 EL SALVADOR R Nacional 0045-0140 SS, songs, WYFR & BBC QRM; SBC at 0140 (Earhart)  
 5980 SOUTH AFRICA R RSA \*0358 IS, EE (and FF?) IDs, P (Meehan)  
 6000 BRAZIL R Inconfidencia 0130 PP, talk between songs, guitar mx, G (Day)  
 5980 SWITZERLAND SBC 0145 EE Shortwave Merry-Go-Round, FF (Miller)  
 5985 ARGENTINA R Splendid \*0900 SS talk, mx, jazz, classical, pops, G (Zilmer)  
 5985 UNITED STATES WYFR 0328 possibly in RR, G (Meehan)  
 5990 ECUADOR HCJB 0532-0545 Swedish, Andean mx, talks, F (Earhart) Schwartz)  
 5990 ROMANIA R Bucharest 0020-0030, 0150-0200 EE, SS, nx, talks, IDs, G (Brunner,  
 5995 AUSTRALIA RA 0915, 1100 N:E to SEA and South Pacific, GE (Burlew, Robins)  
 5995 CANADA RCI Northern Svc 0400 N:E, 0415 N:F, G (Brown) Correct frequency?  
 5995 MALI Bamako 2105-2355 FF, Af chants and other mx, F (Earhart, McCall, Miller)  
 5995 VATICAN VR 0100 Report from the Vatican, VG (Robins)  
 6000 SWEDEN RS \*0000 (Agner) Details?  
 6006 COSTA RICA R Roloj 0830 SS, TC, LA mx, VG (Jones)  
 6019 VENEZUELA R Anzoategui \*1000 SS, talk, mx, G (Zilmer)  
 6020 MEXICO XEUV Vera Cruz 0200 SS ID, talking, clear to 0230 (Behr) (Zilmer)  
 6025 BRAZIL R Piratinga 0215 mx, PP ads, 0232 full PP ID, F (Behr) 0845 talk, mx  
 6025 NIGERIA NBC-Enugu 2130-2145 radio serial (Reeves)  
 6025 PARAGUAY R Nacional 2328 SS, ID, nx, LA pops, Portugal QRM 2354, F (Miller)  
 6025 PORTUGAL RP 0030, 0200-0230 continuous march mx day after coup, some PP amnts  
 during EE time sked, //11935, G; next day 0200-0230 EE talk about coup (Lineback)  
 0200 EE; pgm all messed up since coup! (Miller) 0412 radio drama, EE (Meehan)  
 6035 LIBERIA VOA-Monrovia 0405 EE, G (Bowsby) 0800\* pgm to W Africa (Jones) \*0800? FH  
 6040 GERMAN FEDERAL REP DW 0130-0220 EE, nx, special, cmtry, //6075, G (Brown, Hunt)  
 6055 BELGIUM RTB 0037-0145 FF, ID, N:F, G (Schwartz)  
 6055 JAPAN NSB 0932-0947 EE language lesson, G (Jones)  
 6060 ARGENTINA R Nacional 0948 ID, SS, F (Jones) 0910 SS talk, mx variety, G (Zilmer)  
 6065 BRAZIL R Nac de Brasilia 0050 PP sports, not //15445; RNE QRM, FP (Zilmer)  
 6065 SPAIN RNE 0100, 0200, 0300 EE, mx, cmtry, FG (Burlew, Day, Meehan)  
 6065 Unid 0415 FF, RF oldies, M ancr, severe het, F (Bowsby)  
 6070 CANADA CFRK relay CFRB: 0200 (J.Davis) 0305 (Meehan) 0340 (Day) 0500 (Nebron)  
 1818 (Burlew)  
 6070 UNITED STATES WYFR 0400-0445\* new freq., RR, rel pgm, ID, CFRK QRM (Behr, Bowsby)  
 6070 VENEZUELA R San Sebastian 0300 SS talk, mx, ads, G (Zilmer)  
 6072W WEST TRIAN RRI-Jayapura 1352 Indo mx, talking, drifts down to 6070 (Behr)  
 6075 COLOMBIA R Sutatenza 0225 SS, rapid talk, ID, through Deutsche Welle, P (Burlew)  
 6075 ITALY RAI 0425-0440\* EE to Mediterranean, N:E by W, F (Earhart)  
 6075 SRI LANKA Colombo 1505 Hindi vocals (Tyson-Oc)  
 6085 BRAZIL R Jornal do Comercio 0130 PP mx, ads, hets on both sides, FP (Agner)  
 2345-0010 PP, futebol, talks, F (Lohe-Eu, Zilmer)  
 6085 CANADA RCI: \*0100-0125 EE, mx, wx, cmtry; DW: 0305-0315 GG, VG (J.Davis)  
 6085 ECUADOR HCJB 0825-0835 NF, EE Bible pgm, //11915, FG (Earhart)  
 6085 INDIA AIR-Madras 1457 excited play, local vocals (Tyson-Oc)  
 6090 AUSTRALIA ABC 0749-0807 EE, market report; mx, F (Jones) Earhart)  
 6090 LUXEMBOURG RLI 0015-0100, 0400-0435, EE, GG, cock, rel pgms, FG (Brunner, Schwartz,  
 6090 MEXICO XECMT Ciudad Mante 0200 Mex mx, SS, ads, QRM (Behr)  
 6095 BRAZIL R Tupi 0915 PP mx, G (Zilmer)  
 6100 NIGERIA NBC-Maidugari 2250 Koran, 2300 EE ID by W, nx, FP (Robins)  
 6100 VENEZUELA YVTO 0500-0600 time pips, SS ID, DW QRM (Hill)  
 6105 BRAZIL Ceara R Clube 2330 deep in jamming, PP, mx, clear 0130 but weak (Heutte)  
 6108W COSTA RICA R Universidad 0100 mx, SS talk, ID, 0357\* (Behr)  
 6115 COLOMBIA LV del Llano, songs, ads, possible Super R ID, QSB, static (Day) Time? FH  
 6115 GERMAN DEMOCRATIC REP Stimme der DDR 0420-0430 cmtry, ID, all GG, F (Schwartz)  
 6115 PERU R Union 0455 SS nx, ads, mx, 0550v\*, G (Behr)  
 6119 VENEZUELA R Angostura 1000 SS talk, nx, mx, G (Zilmer)  
 6120 AUSTRALIA RA 1300-1320 Indonesian to Asia, EE ID, VG (Snyder)  
 6120 GERMAN FEDERAL REP DW 0330-0350 SS, M&W amnts, ID, nx, cmtry, pop mx, FG (Hunt)  
 6125 CANADA RCI 0730 FF, Canadian nx items (Hunt)  
 6125 UNITED STATES VOA 0315 Ukrainian, 0400 Slovenian, 0415 Hungarian, 0430 Czecho-Slo-  
 vak; nx, cmtry, GE (Fino)  
 6130 CANADA CHMX 1500 nx, VG (Robins)  
 6130 ECUADOR HCJB 0715-0835 EE, SS rel pgms, G (Hunt, Jones)  
 6130 Unid 0235 SS sports under R Norway, P (Wallace) Join the crowd at Columbus!

- 6210 INT'L WATERS RNI; 0200 EE TC as "3:00 AM", singing ID into rock mx (Burlew)
- 6217.8 DOMINICAN REP. LV de la Libertad; 0156 LA mx, SS ID, TC 0159 (Burlew)
- 7065 ALBANIA R. Tirana; 0635, YL with "World News" CW QRM (Earhart)
- 7095 ISRAEL IBA; 2000-2045 EE px (Schwartz)
- 7100 USSR R. Moscow & R. P&P. (via far eastern site) 1400 t/i-1500\* CC px (B. Davis)
- 7105 MONACO TWR; 0621-0635 EE, YL w/"This is Monte Carlo" ID (Earhart)
- 7107: THAILAND Thai TV; 1055-1105t/o SEA mx and talk in lang (Burlew)
- 7110 MALI R. Mali; 0655-0800\* Afr string mx, FF nx, Vern talks, NA at s/off (Hill, Earhart); 2255-0000\* FF talks, Afr mx //5995 (Zilmer)
- 7115 ZAIRE LV du Zaire; 2305 FF talks, much Afr mx //15245 (Zilmer)
- 7115: PORTUGAL (Presumed) R. Free Europe; 0650-0700\* RR or Hungarian, two OM in talks, ID lost. Good signal. (Earhart)
- 7116 THAILAND R. Thailand, Bangkok; 1340 Thai mx, anmts in Thai, still running 1420 although WRTH lists s/off as 1400 (Hill)
- 7120 ALBANIA R. Peking relay; 0305-0320 EE ID by YL, propaganda talks (Fino)
- 7130 RWANDA DW Kigali; 0604-0630\* Polish w/EE & GG ID at s/off (Snyder)
- 7150 AUSTRALIA RA; \*1500-1540 EE nx, "DX Call" quoting FRENDX and Dan-Henderson, good to fair, some QRM //7150 (Lohe-W. Germany)
- 7165 ETHIOPIA ETLF; 0325-0355 EE/Swahili, EE ID anmts, IS, Swahili rei px, poor but readable till xed by RFE s/on (I believe) (Lineback) / (Mayer)
- 7170 SINGAPORE R. Singapore; 1145-1200 OM & YL hosting mx px in lang, ID at 1157
- 7170 NEW CALEDONIA R. Noumeau; 0712 FF talks, mx (McCall)
- 7180 W. GERMANY R. Liberty; 0430-0435 RR, IS, ID, mx. Poor. (Lineback)
- 7190 YEMEN(PDR) DYBS; \*0255 IS, 0300 anthem and chants to 0320. Fair under VoA QRM. New 100 kw tx. (Behr)
- 7205 USSR R. Kiev; \*2115-2200 IS, ID in RR dialect, talk by OM & YL, mx into R. Moscow EE svc 2300 (Burlew)
- 7215 UNID Asian; 1305 OM&YL in Asian lang. Still there 1410, het Brunei (Bowlsby)
- 7220 USSR R. Moscow & R. P&P. (via far eastern site); 1400t/i-1800\* CC px (B. Davis)
- 7225 PHILIPPINES FEBC; 1145 EE rei px into Indonesian (Mayer)
- 7245 ANGOLA Emis, Official Angola; 2345 PP nx by YL, 0000\* (Mayer)
- 7260 ENGLAND BBC; 0554-0600 GG ID and nx (Schwartz) /Cress, Earhart)
- 7275 NIGERIA NBC; \*0553-0655 drum IS, EE talks, Afr mx, ancd as //15120 (M. Smith, 7295 GREECE EIRT; 1957-2005 t/o Flute IS, TC, Greek nx (Tuchscherer)
- 7300 ALBANIA R. Tirana; 0130 EE nx, cmntry (Wilson); 0426 EE nx, talks (Meehan)
- 7325 ENGLAND BBC; 0250 SS ID, nx, cmntry (Fino); 0401 EE nx, talks (T. Smith)
- 7345 CZECHOSLOVAKIA R. Prague; 0300 EE anti-China and R. Tirana talk (Meehan)
- 7350 USSR R. Moscow; 0302-0325 EE nx, talks. Very loud and clear. (Fino)
- 7395 ISRAEL IBA; 2000-2045 EE nx (Schwartz)
- 7400 USSR R. Moscow; 2305-2356 SS talks, IS (Fino)
- 7440 USSR R. Moscow; 0019 EE talks, mx (T. Smith) /McCall)
- 7863 THAILAND Thai Meteorological Station; 1127-1155 EE/Thai ship nx (Miller, 9275 AUSTRIA ORF; 0033 GG talk on beauty of Austria's mountains, ID at 0043 "Osterreich auf Kurzwelle" Image? Or are they going out of band to get away from the crowd? (Schnabel) /receivers (Earhart)
- 9375 SPAIN RNE; 0240-0305 Songs by tenors, ID noted. Freq checked with two
- 9423 CLANDESTINE V. of the Thai People; 0200 OM&YL in Thai, barely readable thru FAX QRM. Fair at 1550 w/YL in Thai. (Hill)
- 9455 N. KOREA R. Pyongyang; \*1400 s/on w/anthem, RR nx, talks (G. Miller)
- 9459 PAKISTAN R. Pakistan; 1415 subcontinental mx, talk in exotic lingo (Hill)
- 9470 USSR R. P. & P.; 0137-0157 SS talks by OM&YL, QRM R. Cairo 9475 (Jones)
- 9475 EGYPT R. Cairo; 0200-0330 EE px to NoAmer (8 reports) / (3 reports)
- 9495 ISRAEL IBA; \*1955-2015 EE nx, cmntry (3 reports); 00150130 Hebrew px Cf. March LR VoV I reported is not VoV. Sorry! (J. Davis)
- 9500 ALBANIA R. Tirana; 2130 PP ID, PP nx (Burlew)
- 9505 JAPAN NHK; \*2000-2010 EE nx (J. Davis)
- 9505 SUDAN R. Omdurman; 1915-0030 AA talks, chants, mx (Schwartz, Tuchscherer, Earhart); 0400-0405 AA chants (Lineback)
- 9520 USA KGEI; 0805 EE nx by OM (Robins)
- 9525 INDIA AIR; 2155-2200 EE "Listener's Choice", nx, ID (Burlew)
- 9525 CUBA R. Habana; 0110-0120 SS speech by OM (J. Davis)
- 9530 SPAIN RNE; 0225-0240 SS talk on petroleum, mx (Fino) / (Robins)
- 9535 SWITZERLAND SBC; 0145 EE "Dateline" px (Day, Monroe, Brown); 1815 GG ID
- 9535 INDIA AIR; 1225-1235 EE nx, program sked (Zilmer)
- 9540 CZECHOSLOVAKIA R. Prague; 0124 EE ID, cmntry (Monroe)

- 9540 NEW ZEALAND RNZ; 0600-0700 EE, BBC "World News", light mx (Robins, Gooden); 0810-0830 EE, pop mx (Earhart)
- 9545 BRAZIL R. Universo; 0130 PP talk (Zilmer)
- 9545 GHANA R. Ghana; 2130 EE, ID, nx, talks, organ mx (Brunner, Earhart, Burlew)
- 9550 CUBA R. Habana; \*2300-0045 SS political talk, mx, features (Fino, J. Davis)
- 9560 ECUADOR HCJB; 0155-0430 EE "DX Party Line" (J. Davis, Fino, Wallace)
- 9560 JAPAN NHK; \*1400 EE nx (Zilmer, Meehan)
- 9562 PERU R. Nacional; 1120-1135 t/o SS, LA mx (Tuchscherer)
- 9570 AUSTRALIA RA; 0910-1215 EE world and lci nx (Wilson, Keating)
- 9570 ROMANIA R. Bucharest; 0220 EE to NoAmer (Robins); \*0430 EE ID cmntry (Monroe, Snyder)
- 9575 ITALY RAI; 0100 EE ID, nx talks on politics (Monroe, Snyder)
- 9575 TAIWAN BCC (BED91); In JJ 0958, off 1000\* // 9685 (Hill)
- 9580 ASCENSION ISLAND BBC relay; 2140-2200 EE science talk (Earhart, McClure)
- 9585 FINLAND R. Finland; 0300 EE ID "Letterbox" px (day, Monroe)
- 9587 PERU R. Selecta; Andean mx after Bonaire 9590 s/off 0450. ID w/Beethovens Fifth in background. 0458\* No NA noted (Reeves)
- 9590 CHILE R. Pres. Balamaceda; 1100-1110 SS, nx, mx (Tuchscherer)
- 9590 NETH ANTILLES RN; 0045 DD stock market report (Fino)
- 9594-95 BRAZIL R. Cultura da Bahia; 0045-0100 PP sports // 6155 (Behr, Zilmer)
- 9595 JAPAN NSB; 1050 EE/JJ "Let's Learn Japanese" (Wilson)
- 9600 ASCENSION ISLAND BBC relay; 2150-0024 EE talks, mx (T. Smith, Burlew)
- 9600 MEXICO R. Universitaria; 1405-1425 SS nx, ID's (Tuchscherer)
- 9605 VATICAN Vatican Radio; 1100 EE ID, comment (Monroe)
- 9610 AUSTRALIA ABC Perth VLW9; 1534-1601\*EE, mx variety (Meehan, Snyder)
- 9615 USA KGEI; 0300 SS rel px (Brown)
- 9620 USSR R. Moscow & R. P. & P. (via far eastern site); 1440t/i-1700\* CC px. Usually good. Also heard s/on at 0815, but not known if continuous to 1440 (B. Davis)
- 9625 CANADA RCI; 1320 EE; 1703 EE; 0000-0200 EE (6 reports)
- 9630 SPAIN RNE; 0000-0150 SS, mx, talks (Monroe, McClure)
- 9635 COLOMBIA R. Nacional; 1026-1119 SS ID, nx bulletins (Jones, Tuchscherer)
- 9640 S. KOREA R. Korea (HLK5 Suwon); 0445 ID in SS, ancg beam to SoAmer, into EE 0500. Severe QRM USSR. WRTH lists SS xmsn as being on 15335, but nit heard on that freq, only 9640 which isn't sked for that one (Hill); 1100-1200 EE nx, "Sunday Magazine" (Zilmer)
- 9640 USSR R. Moscow; 1730-1745 FF, xn, light mx (Tuchscherer)
- 9645 NORWAY R. Norway; 2300 EE ID, nx (Monroe)
- 9645 COSTA RICA TIFC; 0305-0435\* EE rel px (Lineback, Brown, Meehan)
- 9647-8 v GUINEA LV de la Revolution; 2005-0530 Usual px, no 60 mb channel noted for months (Reeves)
- 9650 AUSTRALIA RA; 1220-1231 EE "Hit Parade" mx px (Tuchscherer)
- 9655 JAPAN NHK (J)
- 9665 Cf. April LR. Unid. AA station at 2000 is ORTF as reported Feb. LR. Many UNID items can be found in past issues, but some reporters apparently do not read FRENDX. Hit (Behr)
- 9675 BRAZIL R. Diario da Manha; 1015 PP nx (Jones); 2255 PP talks (Zilmer)
- 9675 JAPAN NHK; 1115; 1645 EE nx, topics, DX px (G. Miller, Zilmer)
- 9675 POLAND Polish Radio; 0316-0330 t/o EE, folk mx, Polish at 0330 (Snyder)
- 9675 PERU R. Del Pacifico; 1130 SS rel px (Pyatt)
- 9680 SOUTH AFRICA SABC; 0528-0600 EE variety px (Meehan)
- 9680 FRANCE ORTF; 0530 EE ID, nx, talks (Monroe)
- 9682 VENEZUELA R. Puerto la Cruz; 1200-1530 SS, mx, w/many ads, political talks, ID's, TC's. Het VoA RR 9680 (Reeves)
- 9690 ARGENTINA RAE; 0235 SS, pop mx (Hunt); 0358, EE, talks, mx (Meehan)
- 9700 BULGARIA R. Sofia; \*0000-0055 EE; \*0400-0455 EE (6 reports)
- 9700 USSR R. Moscow; 0230 EE nx, cmntry (McClure)
- 9700 W. GERMANY DW; 0050-0115 GG nx, mx (Fino)
- 9705 BRAZIL R. Maua; 0920 PP talks, mx (Zilmer)
- 9705 FRANCE ORTF; 0045 SS talks, mx (Zilmer)
- 9715 MALAGASY REP R. Nederland; IS at 1825 into AA px at 1830 (Robins)
- 9715 NETH ANTILLES R. Nederland; EE "DX Juke Box" (McClure)

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DX LIMERICK

The pretty young bride of Mack Rex,  
 Heard him say, "There's nx after mx,  
 w/px in PP,  
 A lengthy ID",  
 So she thought, "He needs a mental Rx  
 (Diane Lévesque, Carbondale, IL)"

- 9725 SWEDEN R. Sweden; 0130 EE ID, "Panorama" px (Monroe)
- 9730 USSR R. Moscow; 0140-0159 EE cmntry. Heavy QRM VoA carrier 0145(J. Davis)
- 9730 USA VoA Greenville; \*0200-0300 EE nx (J. Davis)
- 9730 E. GERMANY RBI; 0415 EE nx, cmntry  
on Chile (G. Miller)
- 9735 USSR R. Moscow & R. P. & P. (via far eastern site); 1400 t/i-1600\* w/CC px (B. Davis)
- 9745 IRAQ R. Baghdad; 1930-2015 EE talks, pop mx, ID(Brunner, Reeves)
- 9749 UNID. Daily around 2245, EE speaking station fades in w/YL talking, closing anmts 2245 by OM, then off. Could this be SEARV, Manila via long path? (Hill)
- 9750 CHILE R. Minera; 0200 SS ads, jingles, talk, mx (Zilmer)
- 9755 CANADA RCI; 0120-0130 EE px (J. Davis)
- 9760 AUSTRALIA RA; 0930 EE nx (Zilmer)
- 9765 ASCENSION ISLAND BBC relay; 0100-0145 SS, nx, cmntry (Fino)
- 9770 AUSTRIA ORF; 0145-0155; 0329 EE talk on museums in Austria (McClure, Brunner); 0225 GG ID, talk on Salzburger theatres (Schwartz) /Burlaw)
- 9770 HAITI 4VEH; 1130; 1600; 2030-2045 EE ID's, classical mx(Jones, Lineback,
- 9780 ALBANIA R. Peking; 0100 EE cmntry (McClure) Tx is Albania, not China-MRL
- 9780 USSR Biagoveshchensk, R. Moscow & R. P. & P.; 1530t/i-1700\* CC px(B. Davis)
- 9790 ALBANIA R. Tirana; 0300 EE nx, mx (T. Smith) / (J. Davis)
- 9805 EGYPT R. Cairo; 2230 EE nx, AA type mx (Earhart, Wilson); 0125 AA talk YL
- 9815 ISRAEL IBA; 2010-2030 EE talks, Icl nx (Monroe, Wilson, Nebron); 0015-0030 Hebrew HS px //9495, 9009, 7395 (Behr, Zilmer)
- 9820 N. KOREA R. Pyongyang; \*1400 FF, nx, mx, talks (G. Miller)
- 9825 ENGLAND BBC; 0240 EE px to Afr (Meehan); 0355 AA chant's (McClure)
- 9825 USSR R. Peace & Progress; 0130 SS, nx, talk on Paraguay (G. Miller)
- 9833 HUNGARY R. Budapest; \*0100; \*0300, \*0400 EE, nx, cmntry, talks (6 reports)
- 9840 AZERBAIJAN SSR R. Baku; 1530 YL in Farsi. Poor. (Mayer)
- 9840 UNID Asian; 1453 YL talking in lang, past 1500. UTE QRM (Bowsby)
- 9850 EGYPT R. Cairo; 0345-0355 AA talks, chanting (Earhart)
- 9988.5 CLANDESTINE VNUFK; \*0000-0020; 1110-1145 OM & YL in Khmer talks, SEA mx. Better in the morning (Reeves)
- 9990nf CHINA R. Peking; 1925-2000 EE talks, ID, opera mx (J. Davis)
- 10010 CLANDESTINE Liberation Radio(assumed); 2347 OM&YL in EE political cmntry; at 2359 "This is the end of our EE px for today, listen next time", and off. Station w/different px weakly audible on 10226 closing 2358, maybe 2nd network of Liberation Radio. (Hill)
- 10530 KAZAKH SSR R. Alma Ata; Chime 0000 followed by two anthems, then YL with possible ID in RR (Robins)
- 11630 EGYPT R. Cairo; 2115-2131 AA talks, Mid East mx (Tuchscherer)
- 11650 CHINA R. Peking; 1245-1255\* EE nx, ID (Schwartz)
- 11672 PAKISTAN R. Pakistan; 1301; 1639-1800 EE nx, talks(Mayer, Robins, Schwartz)
- 11685 CHINA R. Peking; 1215 EE Anti-USSR talks (Keating)
- 11695 CLANDESTINE R. Courier of Iran; 1648-1702 Azerbaيجani talks, Turkish type mx. (Earhart)

o o o (M. R. Leonhardt 5/20/74)

## HEADQUARTERS

I've recently been using some equipment sold by MFJ ENTERPRISES, P.O. BOX 494, MISSISSIPPI STATE, MISSISSIPPI 39762. I have here their LFF-1, low pass audio filter, and a CWF-2BX; the latter with a center frequency of 400 Hz, instead of the higher center frequency normally used. You can write MFJ for a brochure describing the items. We will have an evaluation of these audio devices at a later date. At this time all I want to say is that the devices are useful, particularly with the less expensive receivers which do not have adequate IF selectivity. Also, they are useful with more expensive receivers, too; though the difference is not as great as in receivers with poor IF selectivity....More later, after more extensive and careful evaluations.

Dan Ferguson

- 11710 ARGENTINA RAE 2330-2350 EE, symphony mx, QRM some jammer closing, (Brunner)
- 11710 AUSTRALIA RA 1200-1210 EE, DXers Calling, excellent, (Burlew 4-20)
- 11710 NEW CALEDONIA ORTF Noumea; 0756 FF vocals, 0802 FF nx, //7170, both good, (Hill)
- 11710 USSR RM; 1450 RR, mx, tlk by YW&OM, fair, (Bowlby 5-5)
- 11710 INDIA AIR; 0015-0045 local mx under VoA, poor (Mayer 4-30)
- 11715 SWITZERLAND SBC; 0145, nx abt Chile, QRM de jammer, fair, (Brown 4-15)
- 11720 CHINA RP; 1420 lang, 1425\*, then \*1430 in Indonesian, good (Bowlby 5-5)
- 11730 HOLLAND RN Lopik; 1920-1950\* EE Happy Sta-H, \*2128 EE to NA, fair to good, (Nebron 4-28, Robbins) J. Davis, Brunner, Creamer)
- 11730 NETH ANT RN Bonaire; 0200-0220, 0318-0320\*, 0630 EE, nx, mx, excellent, (Hunt, /
- 11730 FRANCE ORTF; 0200 FF, mx, IS, anthem at s/off, poor (Brown 4-16)
- 11735 USSR RM; 0415-0420 EE, px on sports, poor (Snyder)
- 11735 FRANCE ORTF; 0515 EE, Paris calling Africa, fair (Day 4-16)
- 11735 MOROCCO RTVM; 0100-0125 AA, chants, mx, nx, fair (Earhart 5-1, Bowlby 4-25)
- 11740 ECUADOR HCJB; 1425-1430 EE, mx, rel px, 1300 EE rel px, excellent, (Hunt, Wilson)
- 11740 USA VoA Greenville; 1925-2110 Romanian, Serbo-croat, EE ID, nx, (Fino)
- 11740 MALAGASY REP RN Talata; \*1355-1420 EE, nx, DX J-box, poor, QRM HCJB, (Nebron 5-2)
- 11745 ECUADOR HCJB; 0335-0400 EE, nx px, mx, fair (Earhart 4-8)
- 11750 ENGLAND BBC; 2130-2200 EE, WS ID, nx, good (Fino 4-9)
- 11760 UNID; 1535, rel tlks, mx, under VoA Tinang, poor (Bowlby 5-5). TWR?-ed.
- 11765 BRAZIL R Tupi; 0000 PP, tlks, sports, fair (Zilmer)
- 11770 LITHUANIAN SSR R Vilnius; 2240-2245 EE, nx, cmntry, ID, good (Lineback 5-11)
- 11770 ENGLAND BBC; 0015 EE, nx, mx, good (T. Smith)
- 11770.3 MEXICO R Mex; 1420-1430 SS, ID, local mx, fair-poor (Burlew 5-4)
- 11775 SPAIN RNE; 0250 SS, mailbag, SS mx, nx, (Brown)
- 11780 NEW ZEALAND RNZ; \*1650-1715 EE, ID, morning tx, 0610-0625 EE, mx, tlk abt NZ, poor to fair (J. Davis, Earhart)
- 11780NF BRAZIL R Nac; 2310-2330, 0002-0044 EE, 0055\*v, EE test px of first of new 250kw tx, mx, tlks, ID, SDC, ask for repts, good (Earhart 4-30, Behr, Zilmer 4-23)
- 11780 MOZAMBIQUE RCM; 0455 EE/Afric, suddenly on, wx at 0500, ID, fading, (Bowlby 5-2)
- 11785 BRAZIL R Quaiaba; 0015 PP, sports, fair (Zilmer 4-21)
- 11790 INDONESIA VoI; 1100-1200 EE px, 1200 CC, (Tyson-Australia)
- 11790 S AFRICA SABG; 1130 EE nx once when VoI not audible (Tyson-Australia)
- 11795 ETHIOPIA ETLF; 0315-0330 FF, EE ID at 0330, then lang, 0355 Malagache, 0400 FF, fair (Snyder 5-7, Bowlby 4-11)
- 11795 GERMANY (FR) DW; 2240 SS, nx, tlk, mx, good (T. Smith 4-12)
- 11795a BRAZIL R Nac; 0010 EE, instrumental mx, amnt about test of 250kw tx, good (Wallace)
- 11800 SPAIN RNE; 0125-0150 SS, mx, tlk, fair (Earhart 5-1)
- 11800 SRI LANKA SLBC; 1719-1733\* Hindi songs, tlk, fair (Bowlby 5-5)
- 11800 UNID cf April LR; RAI noted here 1910-2130\*, (Behr)
- 11805 BRAZIL R Globo; 0055 PP, tlk, mx, jingles, ads, poor (Zilmer)
- 11805 USA AFRTS Delano; 0411 EE, nx, amnts for GIS, 1525 Dear Abby, F-G (Brown, Robins)
- 11810 ITALY RAI; 0100-0137 EE px to NA, 0045 II, nx, tlk, mx, poor to good (Brunner, Day, Earhart, Robins)
- 11810 AUSTRALIA RA; 1138-1205 EE, ABC px in Papua/NG svce, poor, (Snyder 5-4)
- 11810 ALGERIA RTVA; cf April LR, only Algeria hrd here at 2200 in AA (Behr)
- 11810 INDIA AIR; 1405-1415 EE, nx, fair (Nebron 4-16)
- 11815 BRAZIL R Brasil Central; 2357, 0025 PP, tlk, ID, mx, fair (Zilmer 4-21, A. Miller)
- 11815 JAPAN NHK; \*2000-2005 EE, ID, nx, fair to good (J. Davis)
- 11815 POLAND Polish R; 0206, tlk by YW&OM, unusable by 0215, (Day 4-17)
- 11815 NETH ANT TWR; 0050 EE, rel px, (Creamer)
- 11818 MOZAMBIQUE RCM 0520-0550 PP, tlk, folk mx, QRM de Moscow, fair to good (Lohe)
- 11820 USSR RP&P; 1440-1450 EE, nx, mx, (Hunt)
- 11820 ASCENSION IS BBC; 2200-2210 PP, ID, IS, nx, noisy, poor (Fino)
- 11820NF BRAZIL R Nac; 2115, EE amnts, mx, new 250 kw tx test, 4-20 only, (Behr)
- 11834.1-35v HAITI R 4VEH; 1210-1215 EE wx rept, 1400-1405\* EE nx, wx, ID, 1613 EE rel px, ID, poor to good (Burlew 4-20, Brunner, Brown 4-26)
- 11835 URUGUAY R El Espectador 0020, 0217-0230\* SS, tlk, vocals, poor (Zilmer, Earhart)
- 11835 SRI LANKA VoA; 1805-1815\* EE, ID, poor (Schwartz)
- 11840 PORTUGAL R Nac; //11935, 6025, continuous mx, PP IDs on day of coup, rel px on 4-27, (Mayer)
- 11845 VATICAN VR; 0100, 0115 EE to NA, rel px, fair-good (Robins, Zilmer 4-22)
- 11845 GREECE VoA Kavaia; 0340 EE, fair (Bowlby)
- 11850 INDIA AIR Delhi; 1224 EE, IS, ID, nx, QRM by VoA at 1229, poor, (A. Miller)
- 11850v ZAMBIA RZ; 1300 EE, nx, mx to 1415\*v-1430\*, fair (Behr)
- 11850 NORWAY RN; 0550 NN, tlk, QRM de Moscow, poor (Day 4-16)
- 11850NF ECUADOR HCJB; 0545-0608, EE ID, Swedish, GG rel px, good (Earhart 5-5)
- 11860 NORWAY RN; 1800-1830 EE nx, mx, DX px, NN tlk, fair (Schwartz, Brunner)
- 11860 TAIWAN VoFC; 1835-1910 FF into EE at 1900, western & CC mx, F-G, QRM, (Lohe)
- 11860 CANADA RCI; 2320, tlk, mx, good (Brown)
- 11860 UKRANTIAN SSR R Kiev; 0300-0325 EE, mailbag px, cmntry, good (J. Davis, Day 4-21)
- 11860 USSR RM; 1725 RR, Mayak IS, good, undermodulated, (Bowlby 4-11)
- 11860 SPAIN RNE; 0335-0400\* SS, tlk by W, mx, interview, fair (Earhart 4-9)
- 11865 ZAIRE R Lubumbashi; 2230 FF, Afro mx, fair (Zilmer 4-28)
- 11865 GERMANY (FR) DW; 0105-0110\* GG, fair (4-28 Bowlby)

- 11870 SWITZERLAND SBC; 1745-1800 AA, ID, western class mx, fair, 1619-1630 GG, cmntry on labor conditions in Switzerland, poor (Schwartz)
- 11875 JAPAN NHK; 2245 RR, s/on under jammer, nx, poor (Mayer 4-26)
- 11875 PORTUGAL R Nac.; 1910-1915 EE, nx, cmntry, poor (Snyder 4-10)
- 11879v ZAMBIA RZ; 1300 pops, EE tik to 1421\*, noted 4-13 only, (Behr)
- 11880NS CHILE LV del Patria; 0330-0345 SS, ID several times, listed all R Cooperative outlets with one ID, mostly tiks, many mentions of Chile, Aliende, etc, fair (Lineback 5-12)
- 11880 USSR RM; 0006 EE, nx, cmntry, mx, fair-good (T. Smith)
- 11880 TURKEY VoT; 2200-2228 EE, nx, mx, ID, good, 1500-1630 Romanian, Greek, Bulgarian, Serbo-croat., good (Earhart 4-8, Robins, Behr)
- 11885 ROMANIA RB; 1730-1745 FF, world nx, ID, (Tuchscherer 4-23)
- 11885 S AFRICA RSA; 1330 Afrik px, mx, to past 1430, (Behr)
- 11890 ECUADOR HCJB; 2057-2100 FF, EE ID, into GG (Hunt)
- 11890 PHILIPPINES FEBC; 1710 GG, fair (Bowlby 5-5)
- 11900 USA KGEI; 0402-0440 SS, SS mx, good (Snyder 5-7) Wilson, Brunner)
- 11900 S AFRICA RSA; \*0230-2045\* FF, 0030 EE, 0115 EE, IDs, nx, tik, fair (Brown, Hunt, /
- 11905 ENGLAND BBC; 0000 EE, nx, cmntry, fair-poor, (T. Smith)
- 11905 AUSTRIA ORF; 2000-2015, DX show, //15345, poor (Mayer 4-21)
- 11920 IVORY COAST RIVI; 1055-1101 FF ID, nx, fair (Burlew 5-3); 1930 EE nx, 2210-2335 FF, Afro mx, good (J. Davis, Robins)
- 11920 SPAIN RNE; 0100-0115 EE ID, rel mx, (Brunner)
- 11920 PHILIPPINES FEBC; 1105-1150 EE, rel px, ID, fair-poor (Earhart 4-29)
- 11925 BRAZIL R Bandeirantes; 2231-2300, 0105, 0131-0205, PP, US&Braz mx, ads, fair-good, (Snyder 5-6, Earhart 4-8, Bowlby 4-28)
- 11925 SPAIN RNE; 0215 EE ID, SS nx, tik abt oil, good, (Burlew 4-17)
- 11925.SNF S KOREA R Korea; 0605-0640 FF/EE nx, cmntry, ex 15335, QRM VoA, F-P (Lohe)
- 11930 CUBA RHC; 0150, EE, mailbag, nx, mx, good (Brown)
- 11935 SPAIN RNE 2250-2310 SS, //9530, 11775, 15145, ID, fair (Behr, Earhart 4-22)
- 11935 S AFRICA Springbok R; 1330 EE/Afrik, ads, mx, past 1430, (Behr)
- 11935 PORTUGAL R Nac; 0243 EE, PP mx, 0345 EE tik abt coup, fair (Brown, Cress 4-28)
- 11940 USA KGEI; 2215 EE, test tx of new 250kw tx, (G. Miller 4-26)
- 11940 ROMANIA RB; \*0429-0432 EE nx, poor (Snyder 5-7)
- 11950 BRAZIL R Min da Educacão; 2347-0130 PP, classical mx, poor (Bowlby 4-9)
- 11955 SEYCHELLES FEBA; 1730 EE ID, nx, mx, fair (Monroe)
- 11960 GREECE VoA Kavala; 1632 lang, IS, into nx, poor, (A. Miller 5-4)
- 11960 ETHIOPIA EITLF; 1930-1940 EE, nx, ID, (Brunner)
- 11960v GUINEA RIN Conakry; 2315 FF, Afro mx on 4-4, next day on 11965, (Behr)
- 11965t JAPAN NHK; 1340-1359 orch mx, 1400 tik in SEA lang, fair-poor, (Burlew 4-20)
- 11965 ALGERIA RTVA; 1927-1950 AA, tiks, mx, chants, //9685, poor (Brunner, Snyder 4-10)
- 11965 RWANDA DW Kigali; 2210-2215 GG, tiks, fair-good (J. Davis, Earhart 4-11)
- 11970 TUNISIA RTT; 1945-2050, AA, tiks, Clear AA ID, fair (Burlew 5-2, Cress 4-29)
- 11990NF CANADA RCI; \*2200-2230 EE, //11720, 9625, newly approved freq, the bands are expanding, not on announced 11855 (Behr, Bowlby)
- 11990 USSR RM Mayak HS; RR, Now \* 2130 ex 2230 winter s/on, possibly Vladivostok, still on at 0805, fair (B. Davis, Bowlby)
- 11990 CZECHOSLOVAKIA RP; 2010 FF, 0130-0140 EE, 0348 Monitor Club, IDs, mx, tik, fair-good (Hunt, Brunner, Hauser 5-7)
- 12000 UKRAINE SSR R Kiev; 0310-0315 EE, nx, R Kiev DX show, good (Lineback 5-14)
- 12000 ISRAEL IBA \*2300, Hebrew, IS, ID, tik, mx, //12025, poor (Zilmer 5-3)
- 12012h COSTA RICA R Reloj; 0545-0555 SS, US & LA mx, 2 x 6006, F-P (Lineback, Earhart 4-15)
- 12025 ISRAEL IBA; 2330 Hebrew, //9495, 0210 Hebrew, pops, ballads, P (Zilmer, Earhart)
- 12040 ENGLAND VoA Woofferton; 1600-1900\* EE px since March (Behr)
- 12050 USSR RM; \*0330-0335 EE, IDs, freqs, also to 0440 in EE, lang, & RR, good (J. Davis, Earhart 4-16)
- 12050h PORTUGAL R Nac; 0205-0220 EE, tiks, 2 x 6025 QRM, //11935 poor, fair-poor, (Earhart 4-19)
- 14995 USSR Radiostansya Rodina; RR ID at 1420, fair (Robins)
- 15012t N VIETNAM VoV; 2145-2155, man tking, v poor, (Earhart 4-13)
- 15060 CHINA RP; \*0000-0015, 0107 EE, nx, cmntry, mx, good (J. Davis, T. Smith, Brown)
- 15070 ENGLAND BBC; 1810 EE, nx abt Britain, fair (Burlew 5-5)
- 15080 INDIA AIR Bombay; 1730, to E Africa, QRM from BBC, (Keating)
- 15084 IRAN RI Teheran; 1622-1714, 1813, 1930-1940, 2135-2305 Farsi, Persian mx, IDs, western classical mx, poor-good (Snyder 5-1, A. Miller 4-28, Robins, Burlew 5-5, Tuchscherer 5-6)
- 15090 CANADA RCI; \*1630-1700\*, 1630-2200 EE/FF, nx, spts, in April, now on 15325, //11990, fair (Behr, Zilmer)
- 15095 CHINA RP; 1340-1355\* lang, childrens choir, v good (Tuchscherer 4-15)
- 15100 ISRAEL IBA; 1908 RR, 1355-1400 IS, jammed, 1630 ID, Yiddish, 2255 Hebrew, 2157-2208 FF, tik, mx, fair-poor (Bowlby, Schwartz, Earhart, Zilmer)
- 15105 JAPAN NHK; \*0100-0130\* EE/JJ, general svce, nx, cmntry, good (J. Davis)
- 15105 GRENADA RG; 2120-2133\* EE to Britain, request px, ID, good (Lohe-Germany)
- 15110 NEW ZEALAND RNZ; 0300-0500 EE, nx, sports, F-G (J. Davis, Hauser, Robins)
- 15110 MALACASY REP RN Talata; 2120\* FF px, good (Robins)
- 15115 FRANCE ORTF; 1515 FF, mx, tik, IDs, good (Brown 4-16)

- 15115 HUNGARY RB; \*2345 SS, IS, ID, nx, mx for LA, fair-good, (Brown)  
 15120 FRANCE ORTF; 1129-1132 FF, ID, TC, tlk, good (Jones 4-15)  
 15120 SRI LANKA SLBC; 0100 EE rel px, poor (Mayer 5-2)  
 15125 MEXICO R Mex; 0000-0035 SS, ID, mx, tlks, good (J. Davis, Brunner)  
 15125 TAIWAN VoFC; 0305 EE nx by YW, poor (Robins)  
 15130NF GREECE EIRT Athens; 1400-1450\* Greek, v good since 4-13, (Behr)  
 15135 BRAZIL R Record; 0115-0135 PP, ID, US & LA mx, (Tuchscherer 4-14)  
 15140 CUBA RHC; 1935-1940 FF, ID, mx, good-very good (J. Davis)  
 15140 USSR R&P; 1540, EE nx, good (Robins)  
 15145 SPAIN RNE; 2120-2130\* SS, px for spaniards overseas, fair (Earhart 4-13)  
 15150NF ECUADOR HCJB; 1400-0230\* SS, since 4-30, QRMs Chile, (Behr)  
 15150 CHILE VoChile; 1940-1950 EE, 0050-0105 lang, 2345 SS, 2210 EE, nx, cmntry, mx, good to poor (Bowlsby 5-2, Brunner, Creamer, Earhart 5-1, Pyatt 5-3)  
 15155 BRAZIL R Tupi; 0010 PP, echo ID at 0055, mx, tlks, fair (Bowlsby 5-4)  
 15155 FRANCE ORTF; 1515-1545 FF, nx, mx, tlk, EE nx at 1540, (Brunner)  
 15160 USA VoOAS Greenville; 2345 FF/EE/SS/PP, fair (Robins, Brown)  
 15160 AUSTRALIA RA; 0330, 0515 EE, pops, fair (J. Davis, Cress 4-16, Hauser 5-7)  
 15165 DENMARK RD; 1915 EE ID, 2045 Danish, good, (Schwartz, Creamer)  
 15170 TAHITI RT; 0320-0505 Tahitian, some FF amnts, Tahitian mx, US pops, good (J. Davis, Hauser 5-7)  
 15170RF USSR Far Eastern site; \*2230 VV, 2300-0230\* CC, summer freq for station which was on 11710 during winter, (B. Davis)  
 15175 S AFRICA RSA; 1950\* FF px, good (Robins) Earhart)  
 15175 NORWAY RN; 1501 EE ID into NN, 1535-1558 NN, tlks, pops, chimes, fair (Jones, /  
 15180 USSR RM; 0330 EE, good (J. Davis)  
 15183 NIGERIA VoN; 0555-0615, program preview, nx, cmntry, good (Lohe-Germany)  
 15185 FINLAND RF; 1400-1407 EE px, ID, off 2 weeks because of strike, poor-good, Schwartz, Agner 5-5)  
 15185 USA WINB; 2245\* ID, EE rel px, poor (Agner 3-28)  
 15195 MALAGASY REP RN Talata; \*1230 IS, ID, in lang, nx, mx, to 1245, not on 15110 or 15220, good (Cress 5-4)  
 15200 AUSTRIA ORF; 1730 GG, symphony mx, ID at 1800, good (A. Miller)  
 15200t BELGIUM RTB; 1935 FF, fair, FF nx, (Bowlsby 4-10)  
 15205 UNID AA cf April LR at 1520 is probably Riyadh, Saudi Arabia, (Behr)  
 15210 SRI LANKA VoA; 1805 EE, class mx, (A. Miller)  
 15210 USSR RM; 2328-2335 EE, over VoA, fair (Snyder 5-5)  
 15215 PORTUGAL RFE; 1900 Romanian nx, ID, pop-r&r mx, good (Robins)  
 15230 CUBA RHC 0315 SS, tlks, jamming from Chile, good (Brown)  
 15230NF AUSTRALIA RA; 0405 EE, sports, ex 15240, fair (Bowlsby 4-13)  
 15240 CHINA RP; 1320 EE, ID, tlk, to SEA, good-poor (Robins, Schwartz)  
 15240 GERMANY (DR) RBI; 1445\* GG, ID, px details, poor (Schwartz)  
 15245 ZAIRE LV du Zaire; 0105 FF, amnts, mx, good (Robins)  
 15245NF BRAZIL R Nac; \*1858-0038\*v-0100, EE, amnts abt new 250kw tx, mx, since 4-28, fair to good (M. Smith, Mayer, Reeves, Zilmer, Behr, Agner, Nebron)  
 15250 PHILIPPINES VoA Tinang; 1532\* ID, IS, good (Robins)  
 15255 NETH ANT TWR Bonaire 0000-0015\* end RR px, SS amnt (Hunt)  
 15260NF VATICAN VR; 1905 AA, 1920 FF, 1935 EE, (Behr)  
 15260 ENGLAND BBC; 2030-2045 EE, world radio club, 0030 EE feature on Petula Clark, good-excellent (J. Davis, Wilson) Tuchscherer)  
 15270 JAPAN NHK; 2347, 0005-0045 EE, nx, ID, EE-JJ LL, fair (Cress, Earhart, Wilson, /  
 15273 URUGUAY SODRE; 2200-0100, 0030, 0045 SS, vocals, nx, drama, weak (Hill, Reeves, Behr 4-14)  
 15275 MALAYSIA RM; 1550-1605 lang, mx, fair (Snyder 5-1) listed on 15295-ed.  
 15275 CLAND R Libertacao; 2300 Afr lang tlk and anthem to 2323\*, (Behr 4-8)  
 15280 USA WYFR; 2245 SS, rel px, (Brown)  
 15305 SWITZERLAND SBC; 1545 EE px, nx, mx, cmntry, fair (Cress 4-24)  
 15310 MALAYSIA BBC Tebrau; 1300 EE WS nx, fair-good, polar flutter, (Cress 5-4)  
 15320 AUSTRALIA RA; 0440-0509 FF, 0240-0250 EE to NA, nx, fair (Earhart 4-9, Brunner)  
 15330 BRAZIL Unid; 0030 PP, sports, poor (Zilmer 4-21)  
 15330 USA AFRTS Delano; 0310 EE, nx, sports, amnts for GLs, fair (Brown)  
 15335 S KOREA R Korea; 0306 EE nx, cmntry, fair (Robins)  
 15335 AUSTRIA ORF; \*1700 GG to E Afr., fair (Robins)  
 15350 NETH ANT TWR Bonaire; 2320-2340 GG, PP, rel px, fair (Earhart 4-22)  
 15365 CANARY IS RNE; 0356 SS, ID, mx, very strong (Hauser 5-7)  
 15385NF ETHIOPIA ETLF; 1915 -1957\* FF, fair (Behr 4-24)  
 15385NF BRAZIL R Nac; 2000-0102\*, mx and EE amnts test new 250 kw tx, (Allen, Behr 4-22)  
 15410 RWANDA DW Kigali; 0100-0110\* GG nx, ID, FF ID at s/off, (Hunt)  
 15410 USA UNR Greenville; 1909-2030 FF/EE, Gen Asmby session, good (J. Davis)  
 15415 KUWAIT RK; 1700-2001 EE, pops, nx, wx, good (Cress, Brunner, Hambright, Earhart)  
 15415t BRAZIL R C Riberiao Preto; 0110-0127 PP, sports event, good, no ID, (Earhart 4-21)  
 15420 USA KGEI; 1615 EE amnts test of new 250 kw tx, fair (Cress 4-25)  
 15425 AUSTRALIA ABC Perth; 0415 EE, horse race, poor (Bowlsby 4-13)  
 15435 AUSTRIA ORF; 1504-1600 GG, nx, mx, cmntry, good (Schwartz)  
 15435 MALAYSIA BBC Tebrau; 2300-2310 EE cmntry on resources, poor (Hunt)  
 15435 TANZANIA RT; 1808 EE, nx to 1810, ID, mx, tlks in lang to 2015\*a, (Bowlsby 4-10)

- 15445-7v BRAZIL R Nac; 0004-0050 EE, 2355 EE, 0303-0316 PP, 0020 SS, 0150-0210 PP, pops, ID, mailbag, PP mx, nx, cmntry, new 250 kw tx this freq too, good (many)
- 15445 LIBERIA VoA Monrovia; 2000 EE, 2300 EE, nx, fair (Hunt)
- 15445 JAPAN NHK; 0035-0050 EE to NA, ID, (Brunner)
- 15455 USSR RM Mayak HS; 1705-1745 RR, RR balads, anmts, good (Earhart, Bowsby)
- 15500 CHINA RP; 0000 EE, 0030 Asian lang., J?, fair (Hambricht)
- 15520 CHINA RP; 0000 EE, 0038 tlks, //17673, good (Hambricht, Zilmer)
- 15580 USSR RM HS Mayak; 1323-1347 RR, children singing, orch mx, fair (Earhart 4-16)
- 15710 CHINA RP; 0442 CC, different px on 15590 same time (Hill)
- 15790 CLAND VoMalayan Rev; 2305 patriotic marches, tlks, (Hill)
- 17650 CHINA RP; 0100-0155 SS, 0200-0255 SS, 0300-0355 CC, 0400-0455 CC, usually fairly good signal, (B. Davis)
- 17655 EGYPT R Cairo; 1805-1810 EE tlk, old US pops, poor (Burlew 5-5)
- 17670 EGYPT R Cairo; 1515-1536, 1745-1803 AA tlk, ID, fair-good (Earhart 4-18, Burlew)
- 17675 CHINA RP; 0000to 0030 f/o EE, usually weak (B. Davis)
- 17690NF ISRAEL IBA; 1730-1735 IS, RR nx, jammed, (Burlew 5-5)
- 17691 BANGLADESH RB; 1255-1300\* EE, local mx, ID, sched, NA, Good, (Lohe-Germany)
- 17695 ENGLAND BBC; 1555-1605 Swahili, nx, mx, tlk, good (J. Davis)
- 17695 UNID; 1600-1616\* nx in SS or PP, tlk abt Angola, Anthem (Not GSTQ), (Burlew 5-5)
- 17715 AUSTRALIA RA; 0340-0350 EE, chamber mx, ID, fair (Earhart 4-17)
- 17720 ECUADOR HCJB; 1930-1959 SS, rel px, 2000 SS ID, good (Burlew 4-22)
- 17725 PORTUGAL RFE; 1710 RR, ID, mx in RR, good (Schwartz)
- 17735 CHINA RP; \*2300-2355 SS, 0000-0055 SS, 0100-0155 SS, 0200-0255 SS, 0300-0355 EE, 0400-0455\* EE, usually fair strength, (B. Davis)
- 17740 CUBA RHC; 2120-2125 AA, ID, good (Earhart 4-9)
- 17755 ITALY RAI; 1401 II, IS, ID, good (A. Miller 4-21)
- 17760 USSR RM Radiostantsya Rodina px to 1500 then Mayak IS, RR, excellent (Burlew 5-4)
- 17770 N ZEALAND RNZ; 0250 EE, classical mx, tlk, poor (Earhart 4-26)
- 17775 USSR R Yerevan; 0320-0335 EE, tlks, cmntry, fair (Earhart 4-18)
- 17785 USA WYFR; 2135-2150 EE rel px, fair (Earhart 4-9)
- 17790 ALGERIA RTVA; 2040-2055 AA, mx, chants, fair (Earhart 4-14)
- 17795 AUSTRALIA RA; \*0106-0230, 0252 EE, tlks, nx, //15320, 21740, fair to good, (Cress 4-16, Robins, Nebron 4-28)
- 17800 NORWAY RN; 1400 NN, tlks, excellent, (Wilson 4-28)
- 17805 SPAIN RNE; 1445-1500\* SS, SS pops, ID, to Americas, good (Earhart 4-18)
- 17820 CANADA RCI; \*1615 RR, mx, ID, IS, Good to excellent (Brown)
- 17825 JAPAN NHK; 0245-0300\* SS, 0800-0830 EE nx, DX px, //17710 good, SS tx poor, (Earhart 4-17, Lohe-Germany)
- 17825 ITALY RAI; 1705 II, ID, fair (Robins)
- 17830 PAKISTAN R Pakistan; \*0458 IS, 0500 Asian lang, 0530 EE nx, fair (Behr)
- 17865 SPAIN RNE; 1430 SS, ID, tlks, fair (A. Miller 4-21)
- 17870 ECUADOR HCJB; 1855-1933 EE, heavily QRMed by VoA Monrovia, (Earhart 4-15)
- 17870 AUSTRALIA RA; 0302-0320 EE, tlks, orch mx, stock market, (Earhart 4-17)
- 17880 ECUADOR HCJB; 1549-1600, 1501-1515, 1445 EE, rel px, fair to good (Earhart, Hunt, Burlew)
- 21465t EGYPT R Cairo; 1400 lang, 1405 Koran chants, listed as Thai lang here, poor (Robins)
- 21480 HOLLAND RN; \*1400 IS, EE ID, px for SEA, poor (Robins)
- 21535 S AFRICA RSA; 1525-1540 EE, interview abt sports, fair (Earhart 5-4)
- 21545 GHANA R Ghana; 1450-1528\*, EE, choral mx, nx, cmntry, fair (Cress 4-15)
- 21690 LIBERIA VoA Monrovia; 1815-1830\* EE, tlk about US, fair (Earhart 4-13)
- 21740 AUSTRALIA RA; 0250-0300\* EE, class mx, ID, Anthem at s/off, poor (Earhart 4-28); 0100-0145 EE to NA, mx, mailbag, DXers calling, fair (Robins, G. Miller 4-14).

Thanks again to all who contributed to Log Report. Good summertime DX to all and don't forget to take that SW portable on all your picnics.

73 from

Jerry A. Lineback

## HEADQUARTERS

LOG REPORT RECAP Mac Leonhardt informs that he will have a six month recapitulation of the items reported in the "C" section of Log Report from January through June. To cover cost of duplicating cost is \$1, plus a long SASE with 20 cents postage attached. Available direct from Mac Leonhardt, P.O. Box 13, Liberty, Indiana 47353. DO NOT WRITE HDQ FOR THIS:.

HELPING HAND For sale: Hy-Gain SW-9 Vertical antenna, never used, \$10. Write Edward Pyatt, 1715 Singleton St., Conway, SC 29526.

FLASHSHEET

The Flashsheet is published twice monthly by NASWA, Box 8452, S. Charleston, W. Va. 25303

JUNE 1974

Freq: KCS

Time: GMT

AL NIBLACK, Editor, 420 Shelby Street, Vincennes, Ind. 47591 DEADLINES 10th & 20th Month

POLAND (FLASH) Just received letter from Borodzicz that the intended June Special for NASWA must be postponed until later in the year, due to revamp of the station. At least it will give us a better chance than was likely in June, anyway! (Bi Shaw, Va.) (See previous FS, Editor)

ANGOLA 3970 Am 90% sure that I logged R. Clube da Huila with ragtime music, an OM in PP, deep in ARO QRM, v. poor sigs, with S/off at 2245, on 5/3. Listed as lkW. Best African I have logged!!! I like it!!! (Rich Keating, N.J.)

ARGENTINA 6060 Radio Nacional heard at 0950 with ID as, "LRA, Radio Nacional," in SS. (Jack Jones, Miss.)

AUSTRALIA 21485 Darwin Relay with ABC news 0700, 0800, good signal daily. (August Balbi, Cal.)...15160 RA with music, 0354, on 5/7, bandcheck. (Glenn Hauser, Okla.)

BELGIUM 9655 RTB at 2255-2315 in EE, to NA, ex 6055, S-9 sigs; 11855 at 2255 replaces listed 11810. Poor choice for WYFR also uses the fgy. (Bob Zilmer)

BRAZIL In my last report I did not convert the time quote by R. Brasil Central to GMT. The correct quote is 0100 GMT. Please note this correction for the outlet. (Ken Earhart, Pa.)

... (FLASHES) R. Nacional de Brasilia, 15245, new International Svc 1900-2400 in GG, FF, EE, Italian, SS, with 250kW. Was testing 15385, 11820 and 11780 in April. (Ernie Behr, CANADA)...11780 R. Nacional de Brasilia, QSL card received for reception 4/23, 2310, when in EE to Europe with 250kW...15245 This one in various languages, 2130-2200, with poor to fair signals, various dates. This is the new 250kW job. Annecd as being on 11820, 15385, but actually heard on just 11780 and 15245. QRM is: Servicio Internacional, Radio Nacional de Brasilia, Caixa Postal 07/0173, Brasilia, D.F., Brasil. (Credit both to Bob Zilmer, Wisc.)

...11780 R. Nacional de Brasilia noted on this fgy with testing of new 250kW job. Are purchasing 9 such of 250kW output. All anncts in EE, giving location to be for transmitters, and will use 11820 and 15385. Heard 4/28, 28, 30th. Asking for reports. (Grady Ferguson, S.C.) (End of FLASHES)...11865 R. Clube de Pernambuco, 2337 in PP; 17815 R. Cultura Sao Paulo, noted at 2255 in PP, though poor lvl. (Bob Zilmer, credit for both items)...15155 R. Tupi logged 5/6, 0222-0500, with much PP vocal music, TCs, ads. IDs noted as, "Musica populaire de Brasil en Tupi"; and, "Super Tupi". (Dave Clarke, CANADA)

CANADA R. Canada is now using 11990 at 2200-2230 in EE and FF, for Northern Svc. Parallels 15092; 15190 at 0100-0200 to Caribbean, ex 11940, good lvl. (Bob Zilmer)

DOMINICAN REP (FLASH) The address in the WYFR for Radio Clarin is correct (MW outlet), as I am the one who prepares the info for them (use same for the SW outlet). You can now add this to the address: "Apartado 205, Zona 2", Santo Domingo. (Cesar Objio, DOMINICAN REP.)...

CANADA 15092 CBC is also using this fgy 1130-1215, in EE and FF, for Canadian Svcm in Europe; parallels 17820, and also the Northern Svc on 11720, 9625. (Bob Zilmer)

COLOMBIA R. Continental logged on 6125, from 0720-0742. Prgm consisted of LA music; an ID as, "Viva R. Continental". Poor to fair lvl. (Bob Clark)...4905A Em Atlantico from 0255 with LA music; 4915 R. Guatapuri logged from 0308, with music, ads, TCs, and frequent IDs. (Both to Jack Jones)...51300 R. Nacional, 0430-0500 IDs, SS, SINPO 33333. (Richard Schwartz, Del.) (I suggest this is not a new fgy, possibility of a repeat point, or a harmonic, Editor)

CONGO 15190 RTV, Pointe Noire, 1915-1935 ID, FF, on 4/27, 33333. (Richard Schwartz)

CZECHOSLOVAKIA 11990 Much improved HF conditions 5/7, 0348, Monitor Club Prgm. (Glenn Hauser)

DAHOMEY 7190 LV de la Revolution, 0555 IS and anthem, 0602 FF ID and Afro music. (Ernie Behr)

EGYPT 17655, Voice of Africa at 1800 in EE, some good music, fair signal. (Bob Zilmer)

FINLAND 15185 R. Finland at 2300-2330 in EE to NA, good sigs on 5/11. (Bob Zilmer)

GALAPAGOS IS (FLASH) On 5/15, at 0645, I caught KCVGH on new 4810. An ID at 0648 in SS, fgy quote. Left the air at 0700 in the middle of an annct. (Bill Trubee, HAWAII)...Ernie Behr

FLASHES that LV de Galapagos is on new 4810, noted 0400 with native music, to 0518\* with SS ID, gud sigs 5/11. Possibly new 10kW transmitter but power seems lower.

GUAM (FLASHES) TWR's newest xmitter site is on the island of Guam; call letters of the stations (MW and SW) will be KTWR; power of the SW outlet will be 250kW. Signals will reach into Eastern Russia, China, SEA, India, Australia, and New Zealand. (Ed Insinger, N.J.)...

John Tuchscherer, Wisc., FLASHES that in January the FCC granted a permit to TWR to build a superpower station on this island. It is (Guam) a very strategic location from which to broadcast the gospel. Call will be KTWR, power of the SW outlet will be 250kW. TWR praises the Lord for the opportunity to penetrate from the Eastern boundaries.

HAWAII 4VEE, 11835, 1615-1630 EE, ID, religious prgm, 22222. (Richard Schwartz, Del.)

HUNGARY 15220 R. Budapest, 2300 Hungarian, 2330 SS, on new fgy. On 11910, from 0015, 0100 EE, with super signals, new 250kW transmitter at Jaszago. (Ernie Behr)

INDIA 11775 VUD noted with sports report at 1052, 1054 EE ID, at 1057 closed. (Grady Ferguson)

INDONESIA 11790 Voice of Indonesia, Djakarta, observed in EE at 1100-1200, then into language. Fair signal, some QRM, must be a move from 11725. (Bob Zilmer)

ISRAEL IBA heard 5/12, 2000-2045, on the following fgy's (parallels): 9495, 10250, 11700, 12000, 12025, and 15100. (Bob Zilmer)...15490 IBA on new fgy, 2000EE, 2100 RR, with 300kW, in parallel with 12025 weaker lvl. (Ernie Behr)...IBA daily on 15100, EE, 2000-2045, to Europe...

Test 5/1 only, on 15460, powerful signal; and, 21620, S/on 1835, into RR, powerful signal, if band open. (Credit both to August Balbi)

- JAPAN 9505 NHK, Tokyo, noted 2000-2030 in EE period, solid lvl. (Irvin Marutz, Vincennes, IN)
- KOREA (S) 11925 R. Korea, 1100 in EE, paralleling 9640. (Bob Zilmer)...11925 HK re- / Ind. placing 15335, EE news 0300, 0630, and 0900, 11925 good lvl, 9640 strong signal. (August Lebanon) 11965 R. Lebanon, 0130-0323\*, in FF, AA, EE, SS, hvy QRM. (Ernie Behr) / Balbi
- MALDIVES See previous FS in re Maldives on 7225; only DW Kigali is heard on this fgy from 0315-0430, in Swahili. I doubt if anyone can hear Maldives at the same time. (Ernie Behr)
- MALTA (FLASH) DW reports Malta Relay on SW not yet ready, but will inform of times and fgy's. This information direct from DW. (August Balbi)
- MEXICO 2920 R. Variedades, XERC, Cd. Juárez, the only harmonic (2 x 1460) noted as late as 1138, with ID, TC for 5:32. (Glenn Hauser)
- NEW ZEALAND RNZ, 15110, at 0354, with sports coverage. (Glenn Hauser)...15110 NZ Boasting Corp., at 0300, in EE, fair signal lvl. (Bob Zilmer)
- PAKISTAN RP heard on 9690 at 1300 in EE news; may replace 11672 (not heard)...17845 RP at 1300 in EE, generally poor lvl on 5/12, paralleling 9690. (Bob Zilmer)
- PHILIPPINES VOA Relay noted with IS at 1300, then local ID. Into Korean, good lvl. (Grady Ferguson) ...9580 This one I'd as Voice of the Philippines, at 1000. (Bob Zilmer) / Ferguson
- POLAND 15120 R. Warsaw at 0300 in EE, only poor to fair lvl. (Bob Zilmer)
- PAPUA/NG 2428 Radio New Ireland (TENT), at 1200, 5/8, chanting, 1142 annot, maybe Pidgin, into instrumental music; drums, then possibly news. At 1200 an annot, though local noise lvl jumped. Right on listed fgy, though past listed 1100 S/off. No sign of China, 2430, on this date. (Glenn Hauser) (I think S/off is 1230, Bitor)
- SWITZERLAND SBC sends this information direct to the FS: Important! Wichtig! New transmission to NA - English 1315-1345; Deutsch 1345-1415; Francais 1415-1445; Italiano 1445-1515. Frequency, new 15140.
- SAUDI ARABIA 11660 SABS, Djeddah, on new fgy, 0500 Turkish prgm and AA music; from 0530 RPTT QRM. (Ernie Behr)
- SO AFRICA 3955, SABC Afrikaans Svc; 3965, SABC EE Svc; 3980, Springbok Radio, all heard from 0400. 3995, Radio RSA, 0300 EE prgm, in dual with 4875. (Ernie Behr)...RSA to NA, new sked May 5, 2230, 2330 daily, on 9695, 9585, 6035, 5980, 11900, EE. And, at 0615, 15220, 17805, to West Africa. (August Balbi)...Radio RSA is using 6035, 5980, from 2230-2330 to NA, in parallel with 9585, 9695, replacing 11900 and 11970. Heard with fair to good lvl. (Bob Zilmer)
- SWAZILAND (FLASHES) TWR's station was granted permission in June 1973 to formally install several transmitters for SW and long distance coverage. Site will be near Manzini. Air tests are to begin mid-year. (John Tuschscherer)...TWR's station at Mpangala Ranch, near Manzini, is scheduled to begin testing and adjusting by mid-year. Prgming will begin late in 1974 on two SW transmitters, in Afrikaans, EE, and Zulu. No fgy quotes yet available. (Ed Insigner)
- SWEDEN R. Sweden using 11805 at 0000-0130 to EGNA; EE at 0030-0100. Replaces 6000. Heard on 5/7...11955 Logged at 0130, EE at 0230, to WCNA, replacing 9725. Logged 5/7. (Bob Zilmer)
- TURKS & CAICOS IS Verification letter received from VHSB, telling about transmitters, sked, and IDs. No data or actual confirmation given. Signed by William G. Grant, Information Officer. (Ed Insigner)
- TAHITI 15170 Papeete outstanding at 0355 with south sea island music. (Glenn Hauser)
- URUGUAY 15273 CXAL4, SODRE, Montevideo, with pops vocals 0015, ID 0030. An ID, SS, 0135, more music. Ldstd 500 watts, weak, low lvl modulation—a winning combination! (Bob Hill, Cal.)
- USA KGEI testing new 250kW transmitter, at 1730, on 11940; at 1900, on 9510; currently on 11900 to 0700; 9520 from 0700; and, 1500-1700 in EE and languages. (August Balbi)
- USSR 12020 QSL from RH's African Svc, 2115, Mrs. S lists transmitter site as via Ryazan. (Al Niblack, Ind.)
- VENEZUELA (Here are some thoughts on one of the various outlets that are currently operating here, Bitor) 4820 A Venezuelan closed last night here, giving a QTH of San Felipe at 0436, after native music. This is the one I have heard many times with the cuckoo IS. (John Tuschscherer)...6100 YVPO (time/fgy station). Noted around 0500-0600 with pip each second, long pip on the minute; annot, "Observatorio Cagigal, Caracas", just before the minute. QRM from pip to ID. (Bon Bill)...6120 R. Angostura at 0920, in SS, IA music, ads, fair lvl. (Jack Jones)
- VIETNAM (N) 15002 Hanoi strong lvl at 1530, 1800, in EE, paralleling 10039; at 1830, in the French language. (August Balbi)...Voice of Vietnam QSLed in about 11 months lapsed time, from Hanoi, with a very proper and complete card. Included schedule of times and frequencies of English language broadcasts. (Al Niblack) (QSLed for 15012)
- YEMEN (PDR) 7190 DYBS, Aden, \*0255 IS, 0300 anthem, AA ID and chants to 0320 fade out, fair under VOA QRM. Is new 100kW transmitter. (Ernie Behr)
- YUGOSLAVIA 6100 R. Beograd 2200-2215\*, EE, 22222. Received QSL 5/4, V/S Dragovic. (Richard Schwartz)
- ESPIONAGE 11432 YL with 5 digit Spanish numbers; does not sound mechanically produced. At 53554, until QRM like fax (deliberate jamming?) hit at 0503, on 5/3. (Glenn Hauser)
- LAST MINUTE FLASHES DOMINICAN REP 4850 R. Clarin, 0330 music and SS IDs, past 0600, since 4/26, with 3kW. Also announcing 11700 with 50kW. (Ernie Behr)...Station IDing as, "Radio Clarin", Dominican Rep., noted nightly on 4850. WRETH lists MW outlet on 860. Must be a new SW transmitter. (Bill Trubee)
- APRIL 1974: SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY. 5-6-74- 1-26, 2-20, 3-19, 4-22, 5-21, 6-23, 7-28, 8-38, 9-58, 10-70, 11-75, 12-78, 13-83, 14-87, 15-98, 16-93, 17-75, 18-64, 19-51, 20-49, 21-43, 22-28, 23-17, 24-19, 25-20, 26-20, 27-38, 28-30, 29-22, 30-16
- PREDICTED: MAY-24 JUNE-23 JULY-22 AUG-21 SEP-20 OCT-19 (Grady Ferguson)
- RAMBINGS It is pleasant to see ALD (All Indiana DXers) get a good start. The organization is the brainchild of Serge Neumann and M.R. Leonhardt. Of course, its membership is open to Indiana DXers only. (Member Al Niblack)
- ACKNOWLEDGEMENT: To the many that submitted such excellent material to may this issue of the Flashsheet possible. Please keep the material flowing. .... Vy 73, AL NIBLACK

# QSL REPORT

## NEW ADDRESS!

Larry Yamron  
6830 Linden Lane  
Pittsburgh, PA.  
U.S.A. 15208

DEADLINE: 10th of month.

## -QSL NEWS-

ADDRESSES: Radio Bangladesh requests that reception reports be sent to the following new address: Radio Bangladesh, c/o M. Habibullah, C.E., House 145, Road No. 2, Dacca, BANGLADESH. (via Arthur Smith)

Adventist World Radio has this new mailing address for reception reports: Adventist World Radio-IFAD, Rua Braamcamp 84, 6 esq., Lisbon, PORTUGAL. (via Chris Lobdell)

NOTE: If some of you read correctly, Neal Perdue is taking over SCOREBOARD only! All QSL reports are to be sent to the address above. SCOREBOARD reports are to be sent to Neal Perdue, NASWA SCOREBOARD, 4902 S. Bilrae Circle, Millington, Tenn. 38053

Exciting news this month! Radio Frunze, Kirghiz S.S.R., has been verified by ace Dxr Rumen Pankov, Bulgaria. The 1st direct QSLs from Turkish Police Radio have been received by Dan Jamison and Humen Pankov. Several long awaited QSLs from Radio Ecclesia, Angola have recently been received. In Latin America, Escuelas Radiofonicas Populares, Ecuador, was verified by Bill Sparks. Ed Shaw received a verie from Radio Iran (not to be confused with Voice Of Iran) Finally, several Dx'ers have received veries from Radio Saana.

Contrary to popular belief I do know how to spell Kolumbia! (See April QSL-REPORT.Ed) Believe it or not! Dan Ferguson reported to QSL-REPORT! (Dan, I thought you didn't know what QSLs were..Ed) So much for my stupid comments... on with the veries!

## JUNE QSLs RECEIVED 1974

AFARS & ISSAS: ORTF, Djibouti, 4780, folding card w/date and time, 21 days air for FF report and 3 IRCs. (Snyder)

AFGHANISTAN: R. Afghanistan, 15195, buddah map card w/full data in 5 weeks air for tape report by registered mail w/2 IRCs. (Lobdell)

ALGERIA: R. TV Algerienne, 17825/9610, 2 cards and sked. in 4 months air. (Padula) card w/freq. and date in 4 months for EE report and 2 IRCs. (Hambright)

ALBANIA: R. Tirana, 7300, card w/date, time and meter band. 4½ months sea for IRC.

(Seymour) folder card of studio building in 4½ months, no IRCs. (Brown) full data folder card, sked, and magazine. 124 days for 2 IRCs and EE report. (Snyder)

ANGOLA: Radio Clube do Lobito, 4937, black/white jungle card w/date only in 80 days air for EE report and 2 IRCs. (Mayer)

Radio Comercial, 4795, new RC de Angola card w/comical lion on cover, full data. 3½ months for NASWA PP report and mint stamps (used). (Henderson) still waiting for mine!

Radio Ecclesia, 7215, PP form letter w/verie statement only, 32 months for mint stamps. (Sparks) form letter in 2½ years!! for PP report and 1 IRC. (Howard) 4985, form letter from V/S. Ana Maria in 6 months air, 2 months after f/up w/mint stamps. (Yamron)

Voz de Angola, 9660, full data beach card in 277 days air for EE report. (Gavaras) 9660, card in 5 weeks after several f/ups. (Dexter)

ARGENTINA: RAE, 11710, globe card w/all data in 4 month, no return postage. (Rockwood)

AUSTRALIA: R. Australia, 9580, wild flower series card w/all data in 54 days, no IRCs.

(Brooker) 9580, card in 4½ months, no return postage. (Dolyak) full data card, 75 days.

(Peraaho) World DX Friendship card in 122 days. (Hunt) card in 18 days air, 4 IRCs. (Mac Leod) 8 cards for report form, 3 months. (Miller)

VLR6-Melbourne, 6150, full data ABC map card in 7 months for 2 IRCs. (Hambright)

VLW6-Perth, 6140, full data ABC card of W. Austrl. 7 weeks for 2 IRCs. (Hambright)

ABC-Sydney, 6090, card, letter and sked. in 3 weeks air for mint stamps after f/up. (Bowlsby)

VNG, time station, 12000, folder card in 65 days. (Hunt)

## **Radio EL MUNDO**

Buenos Aires-ARGENTINA



**AUSTRIA:** ORF, 6155, card w/all data showing 'Burg Forchtenstein' castle, 2½ weeks air for 1 IRC. (Lobdell) full data card and sked. in 26 days. No return postage. (Brooker)  
**AZAD KASHMIR:** Azad Kashmir Radio, 3979, replied by friendly letter for Urdu report. V/S. M. Khalleque, Regional Mgr. in Muzaffarabad. 1 week for mint stamps. (Calkin) fine catch Gregg! (SEE May QSL REPORT for letter..Ed.)

**BANGLADESH:** Radio Bangladesh, card in 2 weeks after f/up to Chief Eng. 5 months total time. (Smith)

**BELGIUM:** ORU, 6055, map card w/all data and new pennant, sked. 40 days air for 2 IRCs.

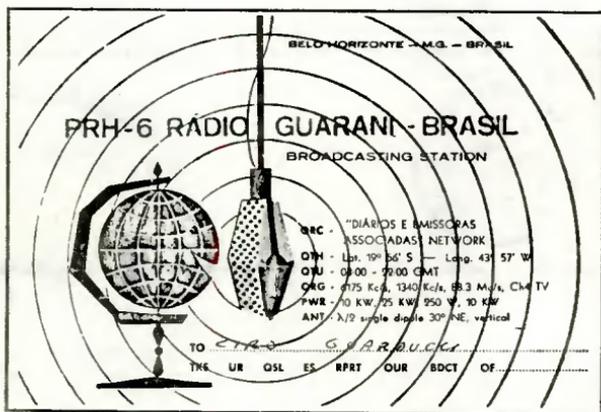
**BOLIVIA:** Radio La Cruz del Sur, 4875, card w/freq. verie letter and pennant (Paschke) in 4 months for SS report and mint stamps. (d' Adolf) card nad form letter in 3 weeks air for 4 IRCs. (Ferguson) card, letter, and pennant in 5 months after f/up w/mint stamps. (Yamron)

Radio Nacional Cochabamba, 5975, letter and business cards from Luis Loza Castro, Dir. and Hector Peredo Maldonado, Gerente. 3 weeks after f/up. (Dexter)

**BRAZIL:** Radio Brasil Central, 4995, PP/EE form letter from V/S. Marina Belloti, 9 weeks air for EE report and 2 IRCs. (Davis)

Radio Clube de Pernambuco, 11865, '50-Anos' card w/verie statement and decal. 6 weeks air for tape report and mint stamps. (Lobdell)

R. Nacional de Brasilia, 15445, full data card, pennant, and sked. in 1 month for 1 IRC. (Rockwood) card, pennant, and tourist info special delivery after 41 days. (Hunt)



**BURMA:** BBS, 5040, full data card and folder/sked on station. Requests reports, but IRCs are wanted. 4 weeks. (Calkin) full data white card and sked. in 56 days air for EE report and 3 IRCs. (Gavaras) 5040, full data card in 3 months, 3 IRCs. (Hambright)

**CANADA:** R. Canada Int. 6135, globe card w/all data in 41 days for 1 IRC. (Hamm) yellow female announcer card in 1½ months w/all data. No IRCs. (Calkin) globe card in 21 days. (Hunt) CHU, full data card in 1 month, no return postage. (Edelson)

Deutsche Welle Relay, 6085, full data multi colored card in 162 days air for 2 IRCs. (Johnson) card in 9 months. (Hunt)

**CHAD:** Hdiff Nat. Tchadienne, 4904.5, card w/full data in 3 months for EE report, 3 IRCs and address label (used). (d'Adolf)

**CHINA:** Peoples Liberation Army Radio, 3200, chinese letter w/full data in 40 days air for EE report and 3 IRCs. (Henderson) no eggroll?

Radio Peking, 15060, card, calender, sked. in 41 days for 1 IRC. (Davidson) night cruise card w/freq. and date, and hand written note, no return postage. (Rockwood)

**CHILE:** La Voz de Chile, full data card in EE, 1 month air for mint stamps, SS report. V/S. Gustavo Heitmann S., Jefe Dpt. Tecnico. (Reeves) card and sked. in 8 weeks. (Padula) Emisora Diego Portales, 9570, SS verie letter from V/S. Raul Tarud Siwady, Gerente. 4 weeks sea for SS report and 1 IRC. (Davis) letter in 10 days for NASWA SS report and mint stamps. (Marshall)

**COLOMBIA:** La Voz del Huila, letter, booklet and green/gold/blue pennant, 1 month air for mint stamps and SS report. (Reeves) 6150, letter, pennant, 1 month for mint stamps. (Sparks) Ondas del Meta, 4885, picture verie statement aerogram, 1½ months for mint stamps. (Brown)

Radio Nacional, 6030, card and pennant in 3½ months air for 2 IRCs. (Marshall) 9635, card of Hotel Bogata in 19 days air for SS report, 1 IRC. (Rockwood) card w/date only from German Vargas, Director. 28 days air, 1 IRC. (Mayer) card in 25 days for 1 IRC.

Radio Vision, 6105, card in 3 weeks w/no data after f/up, mint stamps. (Sparks)

Q S L  
VERIFICATION CARD  
EMNİYET GENEL MÜDÜRLÜĞÜ



TÜRKİYE  
POLİS RADYOSU

Danny Jamison  
310 Roanoke Street  
Apartment 21  
Richmond, Virginia  
23225

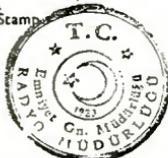
United States Of  
AMERICA

Station Name : Türkiye Polis Radyosu (Ankara)  
Frequency : 6340 Khz  
Date : October 21<sup>th</sup> 1973  
Time : 06.10-06.28  
Station Power : 350 Watts (Now)

Mr. Danny Jamison

This is to confirm your report of our station on the dates and times indicated.  
Your report was welcomed and was according to our programme scheduled.  
Thanks so very much.

Station Stamp



Signed :   
Station Director Mehmet GÜKAY  
Date 16.3.1974

CONGO: Radio TV Congolaise, 15190, full data letter in 3 months for NASWA FF report.

CUBA: R. Havana, 11930, large blue card w/all details in 4½ months for EE report (Smith) and 2 IRCs. (Dolyak)

CZECHOSLOVAKIA: 11990, Radio Prague, church card w/all data in 5½ months, no return postage. (Brown) 9540, card, sked., and ton of tourist info, 4 months. (Davis)

DENMARK: Radio Denmark, 15165, full data tower card in 9 weeks for 40 ØRF (Danish coin) and used US stamps. (Hambright) antenna tower card in 6 weeks, no IRCs. (Edelson) card in 28 days air. (Hunt)

DOMINICAN REP: RTV Dominicana, 9505, SS verie letter w/freq. only, postcards, 35 days air for SS report and mint stamps. (Simon) letter and pennant in 40 days for EE report. (Hunt) no data letter and postcards in 10 days. no return postage. (Rockwood)

ECUADOR: Escuelas Radiofonicas Poulares, 3985, card, letter, postcard and large green pennant in 10 weeks for mint stamps. V/S. Padre Ruben Veloz, Director. (Sparks) nice !.Ed.

Norea Radio via HCJB, card, sked, and personal letter from V/S. Anne Lill Espergren, 7 weeks for 1 IRC. (Padula)

Radio Centinela del Sur, 5019, long and detailed SS letter w/date and freq. 6 weeks air for mint stamps and tape report. V/S. Hernan Coronel V. (Lobdell)

Radio Rio Amazonas, full data EE verie letter. Note sez: "See you again in 1975" (which means?) (Reeves)

HCJB, 11945, full data card in 40 days, 2 IRCs. (Davidson) 17880, pipeline card in 2 months air for 2 IRCs. (Marshall) Note: HCJB now has their new QSL cards..Ed.

EGYPT: 9475, Radio Cairo, full data monument card in 34 days air, no IRCs. (Parker) full data boat temple card in 49 days air. (Rockwood)

EUROPEAN S.S.R: R. Moscow via Orsha, 7100, card in 40 days air. (Hunt)

FINLAND: Radio Finland, 15185, Spring in Finland card w/all data in 18 days, no return postage. (Brooker) 15185, full data card in 16 days air, no IRCs. (Parker) Spring in

Finland card w/all data, sked and great circle map. 2 weeks air, no rp. (Lobdell)

FRANCE: ORTF, 7135, blach/white photo card w/wrong freq. 6 weeks for SPEEDX tri-lang form. (Meehan)

GABON: Radio TV Gabonaise, 4830, Franceville, full data FF letter w/all data in 30 days for NASWA FF report and mint stamps (used). V/S. Le Chef de Station de RTV Gabonaise Franceville. (Henderson)

GERMANY GER: Deutsche Welle, 6075, full data card in 15 weeks, no rp. (Brooker) 6040, full data multi colored card in 10 months sea. no return postage. (Hambricht) 6020, card in 14 months. (Barto) card in 153 days. (Hunt)

GREAT BRITAIN: BBC, Thames card w/all data!!! 19 days air, no IRCs. (Parker)  
VOA, Wofferton, 9760, card in 1 week. (Barto)

GREECE: VOA, Kavala, 7170, card in 1 week. (Barto)

GUATEMALA: TGNA, 3300, Quetzal card w/all data, sked. 20 days air. (Hunt)

GUINEA: Rdiff Nationale, 6397, letter in 4 months for FF report and 2 IRCs. (Smith)

GUYANA: GBS, Action Radio, 3290, full data form letter from V/S. Mrs. Desiree Mars. 23 days for EE report and 3 IRCs. (Snyder)

INDIA: All India Radio, 11810, color card w/all data, 1 month for 1 IRC. (Howard)

AIR, Gauhati, 3235, verie letter w/no time, air in 2 months for mint stamps (used)  
V/S. H.O. Srivastava, Asst. Station Engineer. Addr: AIR, P.O. Box 28, Gauhati. (Bowlsby)

AIR, Madras, 4920, letter in 1½ months from D.P. Ramanchandra, Audience Research Officer, giving full data and returned mint stamps. Had to route report/reply via address in Kabul, as no mail between India and Pakistan at present. (Calkin, Pakistan)

INDONESIA: (Borneo-) RRI Samarindo, 3294, full data Indo letter in 22 days for Indo report, tape and mint stamps. (Johnson)

(Celebes-) RRI Gorontalo, 4900, letter w/date and freq. in 30 days air for mint stamps and Indo report. V/S. Usman Abdullah B.A. (Johnson) 1 month. (Dexter)

RRI Ujung Padang, 9510, EE letter via registered airmail, 2 weeks from V/S. Slamet Poedjono, who stated my previous report for: 1973 never received, but would of been 1st report for this freq.! (Padula) 4719, long full data letter for EE report and mint stamps. Sked and tourist info also received. 26 days for 3 IRCs and address label (used). (Johnson)

(Java-) Voice Of Indonesia, card in 3 month for IRCs. (Pyatt)

RRI Semarang, 3935, Indo letter in 20 days air for mint stamps. V/S. Rachmat Bowosoeharto (sounds like a disease! hi..Ed.) (Sparks)

RRI Surakarta, 4932, card in 5 weeks air for mint stamps. (Bowlsby)

RRI Yogyakarta, 5047, RRI card w/all data and apology for delay. 14 weeks for mint stamps. V/S. Mrs. Roekmi Sutadi. (Yamron) card w/all data in 1 year for EE report and mint stamps. V/S. above. (Reeves)

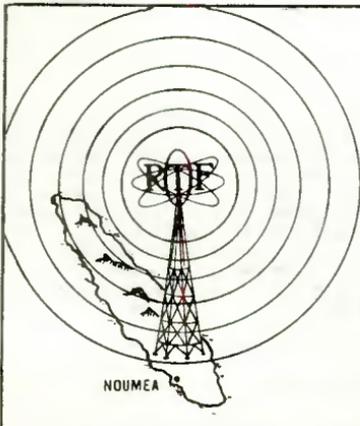
(Molucca Islands-) RRI Ternate, 3916, Indo letter from V/S. Achmad Semarang, 6 weeks registered airmail for Indo report. (Padula)

(Sumatra-) RRI Jambi, 4927, full data letter in Indo V/S. Azil Azwar. 32 days air for mint stamps and Indo report. (Johnson)

RRI Medan, 4764, full data card and letter from V/S. Anwar Sr., Chief. 9 weeks for Indo report and mint stamps. (Yamron) 4764, card and letter registered airmail in 4 months. (Dexter) SEE QSL BELOW..Ed.

IRAN: Radio Iran, 7064, full data color card, power 2KW. Include post card, pennant and 2 huge volumes about Iran and station. (Shaw) nice catch Ed..Ed.

Voice of Iran, 15084, full data blue/black card, pennant, sked. postcards and EE letter. 48 days air for tape and 2 IRCs. (Johnson) card in 10 months, 2 IRCs. (Smith)



Nouvelle Calédonie

Position géographique  
22° 18' 04" SUD  
166° 29' 02" EST

FREQUENCES

Longueurs d'ondes d'émissions

670 Kh 448 m 20 KW  
3355 Kh 90 m 20 KW  
7170 Kh 42 m 20 KW—  
11710 Kh 25 m 10 KW

IRAQ: Radio Baghdad, 9745, Map card w/all data, sked and travel info., 86 days for EE report and 2 IRCs. (Paschke) card in 2 months for EE report. (Smith)  
ITALY: RAI, 6060, full data art card in 110 days sea mail for SPEEDX report form and 1 IRC. (Mayer) 17755, painting card w/all data in 6 weeks, no return postage. (Rockwood) 6060, painting card in 2 months, no IRCs. (Hambright) card in 36 days. (Hunt)

JAPAN: Radio Japan, NHK, 15270, Samurai card w/date and freq. 17 days no IRCs. (Brooker) 15105, Yakko card w/date and freq. 12 days air, no IRCs. (Lobdell) card, sked, and post card in 11 days air, no IRCs. (Peraaho) card in 11 days. (Hunt) Dancer card in 12 days. (Miller) Samurai card in 20 days. (Meehan)

JORDAN: Radio Amman, 9560, 'Dome of the Roch' card w/all data in 48 days air for 2 IRCs. (Peraaho)

KIRGHIZ S.S.R.: Radio Frunze, 4810/4795, full data letter in Russian from V.S. D. Tynystanov, Engineer in Chief of Kirghiz Radio. (Pankov, Bulgaria) Translation of Rumens' QSL Below..Ed.

Dear Comrad Rumens Pankov,

I received your letter, thank you very much. Your data is correct. Kirghiz Radio broadcasts in Kirghiz, Russian, Geroian and Dungan languages, the native languages of our Republic. Yes 4810 and 4795 khz. are really our frequencies and broadcasting the 1st local program. We have 4050 khz. with 'P' (2nd local program). Is it heard in Bulgaria or not? I'm the engineer in chief of Kirghiz Radio. With respect. D. Tynystanov.  
 Address: The State Committee Of Minister Union of Kirghiz SSR By Radio Broadcasting and TV, Frunze, Molodaja Gvardiji Str. 62. EDITORS NOTE: Many thanks to Mr. Rumens Pankov for supplying us with this vaulible information!

KUWAIT: Radio Kuwait, 15415, folder card w/all details, 26 days air for 1 IRC. (Howard)



**THE OVERSEAS BROADCASTING STATION**  
 BANGKOK, THAILAND.

**HSK 9**

Power output: 50 Kw. Frequency: 11.91 mc/s (25 m.)

Schedule 10.26 - 11.00 G.M.T.

D.C. Johnson Wdx6j

With thanks we beg to verify correct  
 your report on 6 February 1974

*Stanley Thantini*

Acting Chief, Overseas Broadcasting Division, Public Relations Dept.

LIBERIA: VOA, Monrovia, 7195, antenna card w/all data in 9 days, no rp. (Brooker) 6045, card in 1 week. (Barto)

MALAYSIA: Radio Malaysia, Kuala Lumpur, 7220, folding card seemail in 9 months, also nice used Malaysian stamps. This freq. seldom heard herre except under unusual conditions, most prized. (Padula) Penang, 7295, new style folding card, air in 8 months. (Padula)

MALDIVES IS: Radio Maldives, 4740, card w/date, freq. and confirmation statement in 5 weeks registered mail for mint stamps. Also sent p/cards, sked. (Calkin, Pakistan)

MALGASY REP: RTV Malagasy, 17730, no data thank you card, sked, and literature in 90 days air for 2 IRCs, EE report and address label (used). (Johnson)

MAURITANIA: 4845, full data map card in 8 days air for 3 IRCs and NASWA PF report.

MONACO: Trans World Radio, 7100, card and paper pennant, 4 months air for 3 (Schnabel)

IRCS. (Bowlsby) tower card w/all data in 88 days for 3 IRCs. (Gavaras)

MOROCCO: RTVM, 15360, no data blue and white folder card w/sked. 22 days air for 2 IRCs, tape, EE report, address label (used) (Johnson)

VOA, Tangier, 6040, card in 1 week. (Barto)

NETHERLANDS: Radio Nederland, 11730, Royal Family card in 34 days, no return postage. (Hamm)

**NETHERLANDS ANTILLES:** Norea Radio, Norway map card in 2 years! via address in Oslo. (Reeves)  
Radio Nederland, Bonaire, 9715, card w/full data in 48 days.  
(Peraaho) special EDXC QSL, 3 weeks for 1 IRC. (Padula) full data card and Dx info catalog in 4 weeks. (Davis)

Trans World Radio, 15350, full data card and sked in 2 weeks, 2

IRCs. (Rockwood)

**NEW CALEDONIA:** Radio Noumea, ORTF, 7170, black/white map card w/all data except freq. 33 days for FF report and 2 IRCs. (Simon) full data map card in 22 days for FF report and 2 IRCs. (Johnson)

**NEW ZEALAND:** Radio New Zealand, card w/all data in 6 months after f/up, total 11 months.

**NICARAGUA:** Radio Mar, nice SS letter from station owner w/full data in 1 month (Smith) for 2 IRCs. (Smith)

**NIGER:** Rdiff de Niger, 5020, 'Ici Niamey' card w/no data, 21 days for FF report, mint stamps and post card. (Hambricht)

**NIGERIA:** NBC, Ibadan 3204, card w/all data except time, 15 days, no rp. (Hambricht)

NBC, Sokoto, 6195, letter w/date and freq. in 3 weeks, no rp. (Hambricht)

**NORWAY:** Radio Norway, 15175, full color post card in 22 days air w/sked, no rp. (Lobdell) card, sked. in 15 days air for 1 IRC. (Davidson) fjord card, sked, in 6 weeks, no return postage. (Rockwood)

**PAKISTAN:** Radio Pakistan, 11672, card and letter in 1 month, for registered report w/IRCs. (Pyatt)

**PAPUA/NEW GUINEA:** Radio Madang, 3260, usual folder card w/full data in 3 weeks for EE report, 3 IRCs and address label (used) and US cancelled stamps. (d'Adolf)

Radio Southern Highlands, 3275, letter from V/S

U.R. Makarai, Station manager sez mine 2nd correct U.S. report. 1 month air. (Dexter)

**PERU:** Radio Atlantida, 4790, SS letter w/no data in 98 days for SS report and mint stamps. (Simon) SS verie letter in 1 month for SS report, tape and mint stamps, registered mail. (Lobdell)

Radio del Pacifico, 9675, full data map card and large blue pennant in 112 days for SS report and mint stamps. (Simon)

Radio Santa Rosa, 6045, SS verie letter in 91 days air for SS report and mint stamps. V/S. P. Francisco Villena COP. (Simon)

Radio Quillabamba, 5025, SS verie letter and pennant in 29 days for 2 IRCs. (Peraaho)

**PHILIPPINES:** PBS, 6170, letter in 2 months for IRC. V/S. Andres C. Reyes, Asst. Broadcast Operations, Chief. (Pyatt) 9615, Home service, letter airmail in 3 weeks. This freq. seldom reported outside Australia. (Padula) VOA, Tinang, 9555, anniversary card w/full data and site from Ms. Monica Vall, 13 days. (Lobdell) 11760, card in 2 weeks. (Barto)

**PORTUGAL:** Radio Portugal, 11840, map card w/all data in 15 days and program sked. w/former Presidents pic on cover. (Brooker)

Voice Of Hope, full data card in 5 weeks from Paris address, 2 IRCs. (Lobdell)

**R.S.F.S.E:** R. Moscow, via Arnavir, card in 40 days. (Hunt) 7150, color card w/all data except site. (Howard) Moscow via Zhigulevsk, 7260, full data card w/site in 39 days air.

**RWANDA:** Deutsche Welle, Kigali, full data yellow/blue map card, air in only (Simon) 400 days!! Sent to Kigali returned from Cologne. (Johnson)

**SARAWAK:** R. Malaysia, 9605/9535, separate cards in 10 and 7 days airmail, for reports sent from Singapore and Penag, whilst on holiday there in January. (Padula)

**SAUDI ARABIA:** Riyadh, 7110/21510 separate cards and skeds, via registered airmail in 4 and 6 weeks. (Padula) full data white card in 59 days air for 1 IRC. (Gavaras)

**SEYCHELLES:** FEBA, 11955, card in 3 weeks, no rp. (Smith) 15270, map card in 2 months air from Mary Berry, QSL Secretary. Also letter, sked. and pamphlet, 2 IRCs. (Calkin) 15325, card, sked., and rel. lit. 6 weeks for 3 IRCs. (Padula) 11890. card w/full data from V/S. Marian Ford, 5 IRCs. (Peraaho)

**SICILY:** RAI, full data art card in 77 days for GILFER report form, IRC. (Mayer) 6060, card in 107 days air for 1 IRC. (Gavaras)

TELEFONO: 28-7404 - 28-7405

CABLES: TE AM



# Radio Del Pacifico

LIMA - PERU  
APARTADO 4236

640kc. • 10,000 w. • 102 MC FM. • 9675 KH. 31 M.

SINGAPORE: Radio Singapore, 5010/5052, housing development card in 4 weeks air for 2 IRCs full data. (Calkin)  
SOLOMON ISLANDS: SIBS, 3995, full data map card in 35 days air for EE report, tape and mint stamps. (Johnson) card in 3 weeks air for mint stamps (used) (Bowlsby)  
SOUTH AFRICA: RSA, 11970, diamonds card w/all data in 12 days. (Miller)  
 Springbok Radio, 4790, Industry card w/all data, SABC history, 7 weeks)  
SRI LANKA: VOA, 11890, card in 7 days. (Barto) (Davis)  
SWEDEN: Radio Sweden, 9725, map card and program guide, 16 days, no rp. (Brooker) 6000, full data card in 3 months, no IRCs. (Edelson) map card in 9 days, 1 IRC. (Rockwood)  
SWITZERLAND: SBC, 11715/6120, cards in 80 and 48 days respectively. (Hunt)

TAHITI: Radio Tahiti, ORTP, 15170, blue card w/all data in 5 months for EE report, 2 IRCs (Smith) card and sked in 1 year, 2 IRCs. (Pyatt)  
TAIWAN: AFNT, 3990, blue card w/all data from V/S. D.H. Moate, 10 days for no return postage. Most prized. (Snyder)  
TANZANIA: 15435, card in 3 weeks for EE report and 2 IRCs. (Smith)  
THAILAND: Bangkok Meteorological Radio, 7863, letter in 20 days w/post card and data on station. Sent mint stamps. (Calkin)  
 Radio Thailand, 11910, full data yellow/blue-white card. Sked and tourist info. 70 days see for EE report and 2 IRCs. (Johnson)  
TOGO: R. Togo, 5047, map/globe card in 164 days for EE report and 2 IRCs. (Snyder)  
TURKEY: Ankara Police Radio, 6340, QSL direct in 6 months for EE report and 2 IRCs. (Jamison) full data card, sked. and post card in 8 months. (Pankov) SEE QSL 3..Ed.  
 Voice Of Turkey, 11880, full data card, sked. and pennant in 2 months. (Davis)  
 full data card and sked. in 3½ weeks for 2 IRCs. (Lobdell)



UNITED STATES: WINB, 17865, full data card in 3 weeks for 8¢ stamp. (Hambricht)  
 WYFR, 17785, full data mike card in 14 days air, no IRCs. (Parker) 9690, mike card in 15 days, no rp. (MacLeod)  
 WWV, folder card in 14 days. (Parker) full data card. (Edelson)

VENEZUELA: Ecos del Torbes, 4890, SS verie letter, pennant, 46 days, 2 IRCs. (Peraaho)  
 LV de El Tigre, 3255, SS letter in 6 months. My 1st 90mb Venezuelan QSLd! (Padula) letter and pennant in 2 months for SS report, mint stamps. VIS 600! (Barto)  
 R. Barquisimeto, 4990, card and pennant in 3 months. (Pyatt)  
 R. Carora, 5050, letter in 22 days air for mint stamps. V/S. Carlos Gonzalez Dir. Proprietario. (Sparks) letter in 18 days for mint stamps, SS report. (Reeves)  
 R. Juventud, 4900, card w/all data except time, 37 days for 2 IRCs. (Peraaho) card in 1 month for 2 IRCs. (Ferguson)  
 R. Lara, 4800, card in 1 month for 2 IRCs. (Ferguson)

YEMEN ARAB REP: R. Sanaa, 5804, prepared card for EE report and IRCs. 190 VIC! (Henderson)  
YUGOSLAVIA: R. Beograd, 15240, full data folder card w/photo of studio, sked. 69 days for 3 IRCs. (Snyder)

LAST MINUTE NOTES: When reporting PLEASE print your last name at the end of each item, space items so they may be cut apart and report in the form used above.... Many new reporters this month. Special welcome to Dan Ferguson and Doug Snyder of SPEEDX... Many thanks to the following who provided illustrations this month: Don Johnson, Dan Jamison, Sam Barto, Mark Brown, Rumien Pankov, Ciro Guarducci and yours truly... Please make note of NEW ADDRESS of Qsl Report... All illustrations welcome!  
Question: When can I hear Radio Cairo? Answer: "Midnight At The Oasis".

UNTIL JULY, BEST OF DX!

LARRY YAMRON

## OUR THANKS TO THE FOLLOWING CONTRIBUTORS:

AGNER Mike, Waldwick, NJ/SX190  
 ALLEN, Walter, Utica, NY/  
 BARTO, Sam, Morris, CT/BC-794  
 BEHR, Ernie, Ottawa, Ont/R4B/XCR30  
 BOWLSBY, Jeff, Vanocouver, BC/SP600  
 BROWN, Mark J., Minster, Ohio/DX150B  
 BURLEW, Doug, York, PA/SX190  
 BRUNNER, Charles, Salford, PA/D7000Y  
 BROOKER, Jim, Troy, MICH/  
 CALKIN, Gregg, Islamabad, Pakistan/SW4A  
 CREAMER, John, Denver, CO/SX190/  
 CRESS, Hadley, Harrisonburg, VA/SX190  
 d'ADOLF, Steve, ND/R4B  
 DAVIDSON, Charlie, Cedar Rapids, Iowa  
 DAVIS, Bill, Laguna Niguel, CA/Homebrew  
 DAVIS, Jim, Travis AFB, CA/Grundig  
 DAY, Edward, Auburn, CA/SX190  
 DEXTER, Gerry, Lake Geneva, Wis/HQ180/R4B  
 DOLYAK, Evelyn, Griswold, Iowa  
 EARHART, Kenneth, Allentown, PA/SX190/DX150A  
 EDELMAN, Michael, Cedar Groves, NJ/  
 FERGUSON, Dan, S.Charleston, WV/SB310/XL190/HQ145A  
 FIELD, Marlin, Benton Harbor, MI/SX100  
 FINO, Henry E., Rochester, NY/1936 RCA Victor  
 GAVARAS, Tom, Wayzata, MN/HQ180  
 HAMBRIGHT, Jeff, Denville, NJ/SPR4  
 HAUSER, Glenn, Stillwater, OK/HQ160  
 HEUTTE, Fred, Wash., DC/R390A/URR  
 HENDERSON, Dan, Laurel, MD/HQ180A/SX190  
 HILL, Bob, San Francisco, CA/R390  
 HOWARD, Ron, Gaithersburg, MD/  
 HUNT, David C., Chippewa Falls, WI/SX190  
 JAMISON, Dan, Richmond, VA/SW4A  
 JOHNSON, Don, Elsinore, CA/SPR4  
 JONES, Jack R., Jackson, MS/DX150A  
 KEATING, Rick, Allendale, NJ/Midland  
 LINEBACK, Jerry, St. Joseph, Ill.,/SPR4/XCR30  
 LOBBELL, Chris, Reading, MA/SW4A  
 LOHE, Ernst, Hamburg, W.Germany/R4B  
 MacLEOD, R.A., Erie, PA/  
 MARSHALL, Larry, Chula Vista, CA/SX190  
 MARSHALL, Mildred, Devils Lake, ND/SX122  
 MAYER, Alan, Park Forest, IL/SB310/DX150/NCL73  
 McCALL, Calvin, Newport News, VA/SX190  
 McCURE, James, Lexington, KY/DX150A  
 MEBHAN, Jim, Berkeley, CA  
 MILLER, Albert A., Youngstown, Ohio/HRO-500  
 MILLER, Gus, Newark, CA/DX150A  
 MONROE, Morgan, Sandpoint, Idaho/HQ150  
 PADULA, Bob, Surrey Hills, Victoria, Australia  
 NEBRON, Larry, Daly City, CA/SX190  
 PANKOV, Rumen, Sofia, Bulgaria  
 PASCHKE, Bill, Beloit, WI/SX190  
 PERAANO, Mike, Chisholm, MN/  
 PYATT, Edward, Atlanta, GA/XCR30  
 REEVES, Scott, Laurel, MD/SX190  
 ROBINS, Andrew, Kalamazoo, MI/SX190/SP600  
 ROCKWOOD, Henry, St. Clairsville, OH  
 SCHNAEBEL, George, Rochester, NY/SW4  
 SCHWARTZ, Richard, Dover, DE/SX190/S-108  
 SHAW, Ed, Norfolk, VA/SP600/XL190  
 SIMON, David, Rochester, NY/SX190  
 SEYMOUR, Woody, NC  
 SMITH, Arthur, Wilsonville, AL/BC342N  
 SMITH, Myron, Spencerport, NY/NCL88  
 SMITH, Todd, Wilton, CT/GR64  
 SPARKS, Bill, San Francisco, CA/R4B/HQ180A.  
 SNTYDER, Doug, San Jose, CA/  
 TUSCHSCHERER, John, Neenah, WI/HQ100A  
 TYSON, Craig, Wembley, AUSTRALIA  
 WALLACE, Steve, Levistown, PA/DX150A  
 WILSON, Solomon, Philadelphia, PA/SX180/DX160

YEMRON, Larry, Pittsburgh, PA/HQ180/SX190  
 ZILMER, Bob, Milwaukee, WI/SPR4

Again, thanks to these contributors who have taken the time to share data on loggings and QSLs received.

An addition to the above list:  
 GOODEN, Chuck, Minneapolis, MN/S40A

AWARDS AWARDS AWARDS AWARDS AWARDS  
 The long delayed awards certificates are now ready (many of them, anyway) and in the hands of Awards Chairman Dan Henderson. THE FOLLOWING AWARDS ARE AVAILABLE NOW:

<u>Award</u>	<u>Verifications to qualify</u>
World Wide DXer	- 50 countries
DX Centurion	- 100 Countries
Master DX Centurion	- 200 countries
All Continent QRP	Dxer (various powers; check w/Dan Henderson; more details next month)
Senior Venezuelan DXer	- 15 Venez. states
Soviet Sphere DXer	- 10 Soviet Broad- cast countries
Master Soviet Sphere DXer	- 15 Soviet Broad- cast countries
Senior Indonesian DXer	- 7 Indonesian Provinces
Master Indonesian DXer	- 10 stations; one in each of 7 provinces.
Maple Leaf DXer	- 8 Canadian SWBC stns
Senior Nigerian DXer	- One stn in each Nigerian region
European Senior DXer	- 25 Eur BC countries
Asian Continental DXer	- 30 Asian SWBC countries
South American Continental DXer	- 10 SA SWBC countries
North American Continental DXer	- 15 NA SWBC countries

\*\*\*\*\*  
 OTHER AWARDS ARE NOT YET AVAILABLE.  
 They will be announced as soon as the work is finished on them, and they are in the hands of Awards Chairman Henderson.

Awards are available from DAN HENDERSON,  
 317 BROCKBRIDGE ROAD, LAUREL, MD 20810.  
 Send list of the QSLs you have which  
 qualify you for the award (do not send  
 the QSLs), plus the 50 cent fee for  
 each award. Write Dan direct - DO NOT  
 SEND AWARD APPLICATION TO HDQ!!  
 \*\*\*\*\*

MEETINGS The ANARC CONVENTION IS IN  
 NEW YORK THIS YEAR. THE NASWA MEETING  
 PREVIOUSLY MENTIONED ONCE OR TWICE (HA!)  
 IS IN COLUMBUS. SEE THE FINAL PAGES OF  
 FRENDX, THIS MONTHS, FOR DETAILS.

As has been customary for many years, the Association of North American Radio Clubs is sponsoring a convention this year; the member clubs have selected Bronxville, NY as the Convention site; Concordia College is the host institution. The dates of the Convention are: July 5, 6, and 7. Since you, as SPEEDX members, are among the most active members of the hobby, we are inserting this flyer in the SPEEDX bulletin in hopes of having many SPEEDXers attend the Convention.

Some activities planned for this convention are: On Friday night, after dinner, there will be a receiver show sponsored by Perry Ferrell of Gilfer Associates. On Saturday morning, there will be a tour of the point-to-point transmitters of AT&T in White Plains, NY. After that, there will be a choice of two seminars: one on propagation, and one on Latin American DXing. After lunch, there will be a round-table discussion on ANARC. Then, there will be another choice of two seminars: either one on Clandestine DXing, or one on technical points of receiver selection. There will be a banquet on Saturday night, and on Sunday morning there will be ANARC reports.

At different points throughout the Convention there will be: the playing of taped messages from renowned DXers from all over the world; there will be prizes awarded by drawing off names; and there will be a table of items which the convention-goers have brought in to sell.

As for costs, if you stay for the entire Convention, your registration fee is \$35; this includes 5 meals PLUS banquet at \$25, and \$10 for Convention fee. If you stay for less than the entire Convention, contact us for a statement of your rates. These costs are payable in advance, as the college has to have money to purchase food. After the Convention is over, you pay \$10 per night (again adjustable depending on length of stay) for a double room, plus a \$5 meeting room fee. Therefore, the total cost for one DXer who sleeps in a double room and stays the entire Convention is \$60. This compares very favorably with costs for previous conventions, where there were only two meals provided.

So, we are waiting to welcome you to the 1974 ANARC Convention -- you will enjoy meeting the faces behind the names you see in shortwave- and radio- listening journals, and you will have many opportunities to increase your knowledge about the world of radio listening. Send in the coupon below with your check or money order payable to -- "The 1974 ANARC Convention Committee"; our address is: "The 1974 ANARC Convention Committee; P.O. Box 501; Bronxville, NY; 10708. If you have any questions or wish more information, please send in the coupon and we will do our best to help. Remember, registration MUST be made in advance, so send in your coupon today.

When you are registered, we will send you transportation information for your area: bus, train, and plane schedules or road maps will be available; if you are coming by car and would be willing to form a car pool, we will try to put you in touch with other people in your area who are planning to attend the Convention. For Convention information, call Phil Schnabel at (914) 779-5515 after 9:30 PM ELT.

YES, I WOULD LIKE TO ATTEND THE ANARC CONVENTION\_\_\_\_\_.

I WOULD LIKE MORE INFORMATION\_\_\_\_\_. I WOULD LIKE INFO ON SPECIAL

RATES FOR SHORTER STAYS\_\_\_\_\_. MY STAY WILL BE\_\_\_\_\_ DAYS.

NAME\_\_\_\_\_

ADDRESS\_\_\_\_\_

DX CLUBS I BELONG TO\_\_\_\_\_

DXING PREFERENCES: SW\_\_\_\_\_ BCB\_\_\_\_\_ FM & TV\_\_\_\_\_ OTHER\_\_\_\_\_

I AM PLANNING TO COME TO THE CONVENTION BY: CAR\_\_\_\_\_ TRAIN\_\_\_\_\_

PLANE\_\_\_\_\_ BUS\_\_\_\_\_. I WOULD LIKE INFORMATION ABOUT CAR POOLING\_\_\_\_\_

Please make out your check for \$35 to: "The 1974 ANARC Convention Committee" and mail it to: The 1974 ANARC Convention Committee; P.O. Box 501; Bronxville, NY 10708.

COMMENTS AND/OR QUESTIONS:

North American Shortwave Association

Convention Registration Form

19, 20, 21 July, 1974, Columbus, Ohio

This registration form must be used (or photocopy) by all who wish to attend. This form will also assure hotel reservations with The Neil House in downtown Columbus.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Mode of arrival: \_\_\_ car \_\_\_ plane \_\_\_ bus \_\_\_ train

Room preference (please check one):

- 1 person (single bed)..... \$14.00 per night.  
 1 person (double bed)..... \$20.00 per night.  
 2 persons (2 single beds)..... \$11.50 per night, per person.  
 2 persons (1 double bed)..... \$10.00 per night, per person.  
 3 persons (special dorm rate).... \$ 8.00 per night, per person.

We will handle room placement unless otherwise requested. If you have a roommate (i.e.- wife, etc.), please list below:

Banquet entrees selection (please check one):

- Roast Half Chicken  
 Roast Young Tom Turkey  
 Baked Sugar Cured Ham, Fruit Sauce  
 Roast Loin of Pork, Apple Rings  
 Braised Beef Steak, Swiss Style  
 Broiled Red Snapper, Amandine  
 Roast Top Sirloin of Beef, Natural Gravy  
 Boned Breast of Chicken, Cordon Bleu

If you wish not to attend the banquet, please check here and a refund will be sent to you.

entrees selection includes already chosen appetizer, two vegetables, salad and dessert.

Payment for the convention registration and banquet must be made in advance, and must accompany this form. The fee is \$12.00; please make checks and money orders out to "NASWA Convention Committee", and mail with this form to:

Randy V. Minnehan  
975 Chestershire Road  
Columbus, Ohio 43204

Deadline for registration is Saturday, 6 July, 1974. If there are any problems or questions, please feel free to write Randy, or phone anytime between 6 PM and midnight EDT at (614) 279-4342. Confirmations of registration fees and room reservations will be sent.

Date:

Signature :

73 from

**NASWA**

BOX 8452

So. Charleston, W. Va. 25303



NASWA dues are US\$10 per year. Airmail overseas is: Central America and Caribbean \$4; South America & Europe, \$5; Africa, Asia & Pacific \$6, in addition to the \$10 dues. The MIDMONTH FLASHSHEET is US\$2 in NA, US\$4 elsewhere (airmailed overseas).

Notice of address change should indicate date membership expires (number of month beside your name in the address) as well as whether the change is for FRENEX only or for both FRENEX and the midmonth Flashsheet.

**FIRST CLASS MAIL**

W. V. A.