

# **FRENDX**

**T H E**

## **SWBC JOURNAL**

**NORTH AMERICAN SHORTWAVE ASSOCIATION**

**P.O. BOX 989, ALTOONA, PA 16603**

**MAY 1972**

THE LOUDENBOOMER REPORT PRESENTS  
CHARLIE'S BELIEVE IT OR NOT

For the past thirteen years, Herman Q. Dudley of Karston, Idaho has had only one ambition, his entire being, his whole existence constructed around one great and noble purpose. That being to log the Falkland Islands Broadcasting Service. And every day, without fail, Herman would sit down at his World Wanderer 4000RX receiver, tune to 3.958 and spend two hours being entertained by amateur operators in Texas, California, New Hampshire, ad nauseum. Once in awhile he might think he heard a faint, tantalizing something, but he could never be sure. Then, one day it happened. Herman missed his regular 2330-0130 GMT monitoring session. Now it also just happened to be that a neighbor, whom Herman had introduced to the hobby and who, on that day, was celebrating six months of listening, was tuning across the 75 meter band at 0045 GMT. He paused at 3.958. But he couldn't hear FIBS either!

The most devastating moment ever experienced by ace DX'er Farley L. Beanbag of Torrence, California, occurred many years ago while he was entertaining a visiting listener from the East Coast. Farley, wishing to show his stuff, dug into the shoebox where he kept his QSLs with the intention of showing his guest his most prized verification, namely 2AP, Apia, Western Samoa. Imagine his dismay when he discovered it was not there! He was even more perplexed when he could not find it laying around the shack. He was horrified when he realized it might actually be lost. He was aghast, panic-stricken. You might even say upset. He searched the house from top to bottom, then from bottom to top but alas and alack it was not to be. Farley almost didn't recover from the pain of it all. Then, some ten years later, Farley's wife was going through some of his old clothes preparing to take them to a charity organization. And there, in the pocket of an old suit coat, she found it! Farley was beside himself with joy. Apparently he had picked up the mail that day and stuck the thing in his coat intending to show it to someone. Three days after this momentous discovery, Farley made another discovery. He'd lost the darned thing again!

The record for the longest continuing attempt at securing a verification is held by Stan Idle of Devil's Canyon, New Jersey. A fantastic total of 23 years! When asked about his problem Stan said he'd tried everything he could think of to try during those years, even airmail, but for some reason he cannot fathom, he simply cannot get HCJB to reply!

The shortest club existence on record is the now defunct Badlands DX'ers Alliance. The club was organized one June afternoon by three enterprising young listeners from Interior, South Dakota. On that day they wrote their constitution, elected officers, prepared hand made membership cards and duplicated 36 copies of their first DX bulletin "Eandspread Badlands". Then they drew up a list of prospective members, set membership dues at \$1.05 per year and mailed out the whole thing. By the time they were finished with all of this they were so tired they decided to forget the whole thing. Total elapsed time: 4 hours, 12 minutes and 17 seconds!

Archeologist L. Quincy Spade claims the distinction of having received the most foreign mail in one day. Not true, actually, since L.Q. had been away for seven years, exploring the ruins of a civilization in the southern quarter of the Somali Republic whos particular claim to fame is supposed to have been a vast succes in the development of astrology and the study of astro-physics. Be that as it may, when L.Q. returned home he was astounded to find 391 pieces of foreign mail awaiting his well-rested letter opener. Unfortunately, all but 11 of them turned out to be program schedules and refusals.

And gang, the moral of all this is that while DX'ing may not bring you fortune, it can bring you fame. If you think you hold a DX record, just let me have your story and you may see it next time in "Charlie's Believe It Or Not."

NEW MEMBERS, WELCOME!

James Cumming, Jr., Greensboro, N. C. Via PE Communications Handbook.  
 James McClure, Lexington, Kentucky. Via Communications World.  
 Ogden Hudnall, Tyler, Texas. Via PE Communications Handbook.  
 David Morgan, Swainsboro, Georgia. Via Communications World.  
 Tim Shelton, Huntsville, Alabama. Via Communications Handbook.  
 Arthur Berg, Sr., Milwaukee, Wisconsin. Via PE Communications Handbook.  
 Rich Marchak, Beaver Falls, Pennsylvania. Via a friend.  
 Tim Krasniewicz, Stamford, Connecticut. Via Elementary Electronics.  
 Henry E. Pino, Rochester, New York. Via Communications World.  
 A. Gustafson, Lake Forest, Illinois. Via ANARC Headquarters.  
 E. Gordon Collister, Lawrence, Kansas. Via ANARC Headquarters.  
 Paul Rindos, Columbia, Pennsylvania. Via 1972 WRTH.  
 Robert Parks, Union Grove, Wisconsin. Via Communications World.  
 Charles Harrington, Lansdowne, Penna. Via PE Communications Handbook.  
 Alan E. Mayer, Park Forest, Illinois. Via 1972 WRTH.  
 Lee A. Miller, Bellevue, Washington. Via a friend.  
 Eric Herson, Columbus, Ohio. Via '72 WRTH.  
 John England, Jr., Pueblo, Colorado. Via Communications Handbook.  
 Pauline Brock, Montreal, Quebec, Canada. Via 1972 WRTH.  
 Robert Slowe, Park Forest, Illinois. Via Radio Nederland/Glenn Hauser.  
 Tom Carey, Camarillo, California. Via member Ralph Richards.  
 George E. Dick, Niles, Michigan. Via Elementary Electronics.  
 Louis Buehler, O'Fallon, Illinois. Via Elementary Electronics.  
 William Higham, Youngstown, Ohio. Via Communications World.  
 Randy McCoy, Utica, Michigan. Via PE Communications Handbook.  
 Dennis Rodman, Brooklyn, New York. Via Communications Handbook.  
 Glenn Window, Sasaki, Ont., Canada. Via PE Communications Handbook.  
 John Campbell, Austin, Texas. Via Radio Nederland/Glenn Hauser.  
 James Boynton, Newton, Massachusetts. Via Communications World.

RENEWALS

Second Year; Tom Bauman, John Creamer, Francis Brindley, Doug Munger, Dave Hammer, William Plum, M.R. Leonhardt, Tom Gavara, Bernard Sussman, Kevin Kepes, Connie Damewood, R. B. Odlin II.  
 Third Year; Joe Saman, John Kolb, Marion Ely, Brent Hallpern.  
 Fourth Year; Robert Pelz Sr., Tom Walsh, Jan Turner, Niels Falsig, Ken Cummings.  
 Fifth Year; Chris Stark, James Hurst, Al Sizer, Al Lisanti.  
 Sixth Year; Grady C. Ferguson  
 Seventh Year; Leo Poirier, John Zaharek.

NOTE: Members on joining or renewing after the 15th of the month will be listed next month.

IMPORTANT REMINDER

We are no longer accepting \$2.00 (third class mail) memberships. However, those members who joined or renewed in that category will continue to receive bulletins until such time as they are again due to renew. Members who are due to renew in May and henceforth must remit the \$10.00 fee (first class mail). No new members will be accepted at third class rate.

HELPING HAND SERVICE

For Sale; Heath GR-78, general coverage rcvr w/headphones. Also X-tal calibrator. Write to Andy Kerr, 555 West D Ave., Crescel, OR. 97426. (Correction, should be.....Creswell, OR.97426  
 For Sale; JoyStick antenna and tuner. Contact Mark Hogarth, 1617 Williamsbridge Rd., Bronx, New York 10461.  
 For Sale; Drake SW4-A, complete w/crystals. In Excellent condition. \$200.00. Also have IB-101 frequency counter (Heathkit) completely assembled and factory aligned. Will takes best offer. Write; Bill Schultz, 1978 Minno Dr., Johnstown, Pa. 15905.  
 For Sale; Packard-Bell AC/DC AM rcvr., never used. Built from kit. Also International Xtal Co. BAX-1 broadband amplifier (30db gain at 1mHz) Write; Greg Kelley, 108 Archer Street, Staunton, Virginia 24401.  
 For Sale; JoyStick Anteaan and JoyMatch tuner. Contact; Ed Ricchezza, 201 S. 18th St., A-1215, Philadelphia, Pa. 19103.  
 For Sale; National NC-140 communication rcvr. minus speaker. Good standby set. Write NASWA HDQ. Wanted; Photo's and/or snapshots to be used in future bulletins. Color or B&W accepted. Send to Ed Shaw, 621 Burleigh Ave., Norfolk, Va. 23505. How are things in Glockamora? Has anyone heard?



# A.N.A.R.C. NEWS

A.N.A.R.C. Reporter  
Edward C. Shaw  
621 Burleigh Avenue  
Norfolk, Virginia 23505

ANARC Executive Secretary Nominations. Nominations for Executive Secretary of the Association of North American Radio Clubs are now being requested. Nominations should include complete details on the nominee's qualifications. This will be for term 1972-74.

Frequency Recommendation Committee. Chairman Glenn Hauser reports committee member participation has increased greatly, but that there is still need for monitors in the deep south and Rocky Mountain areas. Committee member Dr. Richard Wood has been awarded a silver medal and citation for his services as technical monitor and advisor to Vatican Radio. O.R.T.F. in Paris has informed the Committee that it stills hopes to begin English service to North America. Your letters to O.R.T.F., and perhaps the French Embassy in Washington, would be most helpful in this regard.

Radio Free Europe & Radio Liberty. Various news media have carried frequent news recently concerning the fate of these two short wave facilities. Unless they have the assurance of continued U.S. government funding, both organizations have indicated they will begin shut-down of services in late March with Radio Liberty being completely silenced by summer. RFE has also received some private funding and may be able to continue very limited operations.

International Radio Club of America. IRCA has appointed two new representatives to ANARC; Father Jack Pejza of San Diego, and Dr. Richard Wood of LSU in Baton Rouge. IRCA's 1972 convention will be held in San Diego 30 June to 3 July at Fabulous Inns in Mission Valley, California, a suburb of San Diego. IRCA is a superb BCB DX club.

Canadian International DX Club. CIDX will celebrate its tenth anniversary in July 1972. Sample bulletins will be mailed free of charge during that month. Write: Lorne Jennings, Executive Secretary CIDX, 169 Grandview Avenue, Winnipeg, Manitoba, Canada.

Arabic Reporting Forms. There is now available an Arabic language report form with a set of instructions which is intended to serve the need for Arabic reports as well as to indicate the DXer is interested in Arab culture. Materials are typed on an Arabic typewriter. The set contains an eight-page vocabulary, a four-page introduction to the Arabic alphabet and ten offset-printed Arabic report forms. Cost is \$1.00 (U.S. or Canadian). Order from Herr Siegfried Rambaum, D61 Darmstadt 1, P.O. Box 913, Federal Republic of Germany. Personal checks are not acceptable - use international money order, bank checks, or (in ed. opinion) perhaps cash will suffice.

1972 A.N.A.R.C. CONVENTION. Firm information has been received concerning the upcoming 1972 convention. Planned are seminars, panel discussions, guest speakers, equipment demonstrations, prizes, ..... and much more for DXers of all interests. Registration fees are \$12.00 payable to "1972 ANARC Convention Committee". This fee includes the cost of the Saturday night banquet dinner and Sunday morning breakfast. Dates for the convention are July 14-17 1972 beginning at 4 P.M. Friday afternoon and ending at noon Sunday. The site of the convention will be the Colonial Hilton Inn in Wakefield, Mass. just outside Boston. Make your desires known NOW!! Private rooms available at \$18.00, or share a room with another DXer for \$11.50 each. These fees are separate and in addition to the registration fee. Write for complete details: Steve P. d'Adolf, 16 Westgate Drive, Apt. 201, Woburn, Mass. 01801.

Identification Tapes for DXers. As an exclusive service for NASWA members, benevolent member Sara K. Stillman has arranged for manufacture of a 3" reel of recorded SWBC Voice IDs, Interval Signals, and sample music from 30 foreign broadcasters. There is NO CHARGE for this recording, other than 25¢ to pay return postage to you. Send for yours today! Send your name, address, and 24¢ in coin or stamps to: Typewritten Transcription Service, 1394 3rd Ave New York, N.Y. 10021.

And, that's about it, Best 73, Ed Shaw

# SHORTWAVE CENTER

Editor: Ralph W. "Ralphus" Perry  
301 E. Chalmers St.  
Champaign, IL. 61820

Deadline: the 15th of the month !

## BROADCASTING FROM KASHMIR

By Don Jenson

Kashmir has been the object of conflicting Indian and Pakistani claims since the partition of India in 1947. Today, Kashmir is divided into two parts: Kashmir, now Indian territory, and Azad (or Free Kashmir), linked to Pakistan. Both areas are represented by shortwave stations. This past winter saw receptions in the USA of both stations, Azad Kashmir Radio and the All India Radio (AIR) regional operation at Srinigar.

Frankly, little is known of Azad Kashmir Radio though it has been in operation since at least 1948. It has been called clandestine or semi-clandestine, probably because so little has been disclosed about its operations and because it seems to wander from frequency to frequency. But, in light of what is known about the station, there seems now to be little justification for terming it a clandestine. The station is under the authority of the Provisional Government of Azad Kashmir,

and, apparently Azad Kashmir is something of a protectorate of Pakistan.

It has been reported that originally, Azad Kashmir Radio used some type of portable broadcasting facilities at a place called Trarkhel, but a few years back moved into a permanent broadcasting site at the capital city of Azad Kashmir, Muzaffarabad. However, other reports still place the transmitter site at Trarkhel. There have, to the best of my knowledge, been no reports of verifications having been received--although it is said that reports to AZAD KASHMIR RADIO, THE VOICE OF FREE KASHMIR, MUZAFFAR-ABAD, AZAD KASHMIR, PAKISTAN are deliverable.

As far as I know, the first USA receptions of Azad Kashmir occurred this past winter, when a number of NASWA members logged the station on

4,730-31 kHz, between about 1200 and 1300 GMT. Apparently the best chance for logging this one (assuming it stays on the same frequency) will be in late December and early next January. Some Radio Pakistan broadcasts, notably the news, are relayed by Azad Kashmir Radio. Other programs originate locally.

The station is said to sign on at 1157 GMT, with a Koranic chant, and signs off at approximately 1900. It is believed that the remainder of the schedule is 0130-0530, and 0600-0830 GMT, though not necessarily on the same frequency. Though frequencies are changed frequently, two that currently have been monitored are the 4730v kHz outlet and the one on 3409v-11 kHz channel.

In the Indian portion of Kashmir, about twice as large as Azad Kashmir, there is one station (one of the AIR regionals) at Srinigar. It seems to be even harder to hear than even Azad Kashmir Radio, though more is known about the operations of the Srinigar station. It was logged by two or three NASWA members during the



1971-1972 winter season, either tentatively or definitely.

Radio Kashmir, as it is called, uses a single 7,500 watt shortwave transmitter and operates on the following schedule:

0130-0250, 1130-1700 GMT on 3,277 kHz (Saturday to 1730)  
0320-0440, 0600-1100 GMT on 7,270 kHz.

However, in early March it was expected that there would be a frequency change for the 0130-0250 GMT and possibly the 0320-0440 GMT time periods. The signal, according to the station, is radiated by a "dipole antenna".

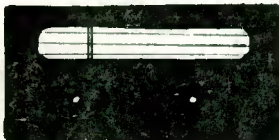
Reports of reception should be sent to either Mr. R. Ali, Audience Research Officer, Office of the Station Director, Radio Kashmir, Srinagar, Kashmir, India--or to J.C. Bhargav, Assistant Station Engineer, c/o the same address. Both seemingly will reply, although Bhargav sends a "better" verification since he is quite knowledgeable about shortwave listening as a hobby. IRCs are sometimes used, sometimes returned.

...Don Jenson, Wisc.

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POSTSCRIPT: to add to the confusion, the address of Azad Kashmir Radio, Tararkhul, Azad Kashmir, Pakistan is another for you to choose from...this via ace Asian DXer Danny Jamison, W.Va.

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THAT  
FIRST  
RECEIVER  
by  
Bob Riter

Buying your first receiver is a bit like your first date. You feel like an absolute dummy, and try, usually unsuccessfully, to not look like one.

In my case I walked away from both with a great sense of accomplishment but later found out I HAD made somewhat of a fool of myself in various ways. I won't tell you about the date, but I will open up about the receiver.

I set out to buy a Lafayette portable that would have been lucky to pull in--the VOA. Crime of crimes, they had sold it the day before to someone else. With a tear in my eye, I looked at their other equipment and decided to shell out \$90 for a Grundig Transistor 700. I took it home believing I had just purchased one of the best and most expensive rx's to be found anywhere. (next column, pls!)

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and cursed, we will always remember them with a certain love and devotion reserved for

That night I almost flipped because I heard a broadcast all the way from Ecuador!! And then--Moscow!! Wow--Wes!! I was having the time of my life until a week or two passed and HCJB and Mockba were two of the very few stations I could pick up at all. No offense intended, but the VOA Breakfast show just doesn't turn me on...

Don't let me sell the Grundig short. It really is a fine portable. After 3 1/2 mo's I had heard 33 countries. It's also really tremendous for AM-FM. The big problem was the selectivity: a giant station like the BBC would take up everything from 9.4-9.65 megahertz, making it impossible to tune any other station in that range. Oh yes, incidentally--I found it to be a big mistake purchasing an rx without a bandspread! However, with a great deal of patience I was able to pick up R.Luxy, R.Vilnius, and a few other xmtrs of power less than the BBC, RSA, and VOA breed. I'm currently considering another rx--a move upward on the DX Trail...

HOWEVER, in my heart, I know that my little Grundig will always have a place in my heart, like those first receivers of all DXers, upon which they had cut their eye teeth, spawning each's love for shortwave. Even though they are often kicked, punched with a special warmth and regard with those very special things in our lives.

...Bob Riter, W.Va.

SUPPORT NASWA --- SUPPORT FRENDX --- BE ACTIVE IN YOUR HOBBY, SWCB DX'ING .....



NASWA/FRENDX/SWC EXCLUSIVE

SUPER - DX:

REUNION ISLAND.....l'Office de Radiodiffusion-TV Francaise, St. Denisby Monsieur J. Sonntag, Head Technician & Charge of Research  
via active NASWAer John D. Tuchsherer

"In reply to your letter of March 17, it is our pleasure to furnish you with the following information concerning our station at St. Denis.

"All the different services of our (l'O.R.T.F.) station at Reunion have recently been consolidated at new locations near the seashore. Our equipment is located in two radio broadcasting studios and one television studio, with all the peripheral facilities of a record library, film library, demonstration studios, and film development, etc.

"From the standpoint of transmissions, we have two 4 kilowatt medium wave transmitters hooked together which operate on 602 kilohertz. We also have two shortwave transmitters operating at frequencies of 4807 kilohertz and 2446 kilohertz. These transmitters are on the air every day for about 17 hours.

"We anticipate using automatic equipment to the fullest extent possible. Our equipment should be complete very soon and will give the latest possible methods employed for radio and television transmission. In the future we also anticipate a second chain of radio stations and one central more powerful transmitter especially for medium wave transmission.

"Finally, we also have a 4 kilowatt radio transmitter functioning on 664 kilohertz in the southern portion of the Island of Saint Pierre, which serves that region.

"I hope that this information proves satisfactory to the members of your club, and we thank you for the interest shown in our station, and offer you our sincere best wishes."

---Monsieur J. Sonntag, l'ORTF Reunion Is.

Editor's Note: Tnx to JDT for this hot item !! Again, SWC encourages/welcomes/begs NASWAers to do likewise--write to the DX-stations..the info awaits us!

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PAPUA-

NEW GUINEA.....Prologue: Future of ABC Xmtr in Pt. Moresby

In last month's Shortwave Center, attention was called to the fact that Papua is presently vying for independence---the conjecture being: what is to become of the ABC regional station at Port Moresby?? The following info was received direct from the ABC, in the "39th Annual Report of the ABC":

"The Commission has devoted much time to consideration of the future of broadcasting in Papua/New Guinea, and has taken particular note of the resolution of the P/NG House of Assembly resolution which urged the establishment of a Nat. Broadcasting Authority in the Territory. The Commission believes that the integration of the 2 existing broadcasting services shouldn't be long delayed, and that control of broadcasting should pass to a local authority, representative of all sections of the community, free from direct governmental control in formulation of its overall programme policy...

"The intensive training of Papuan and New Guinean Officers has continued throughout the year...98 Papuans and New Guineans are employed by the ABC in the Territory out of a staff of 173. Of these 11 are employed as Journalists; 31 are employed as Programme Officers; 5 as Technicians-in-Training; 6 Clerical Officers; 3 Technical Operators...."

It was also noted that the training of Papuan & NG Officers includes English and the study of techniques of programme production at the ABC Head Office in Sydney and at State and Regional Offices.

SHORTWAVESHORTS.....Random Tidbits From the Spectrum of International SW Broadcasting...QSL Ploy: Yemen 

Need a QSL from San'aa? Who doesn't? A new avenue seems to have opened for the ambitious, and should be well worth the effort. The same firm which some time back had been instrumental in many QSLs from the Dubai Broadcasting Co., namely "T.I.E." (Television International Enterprises), seems to also have business ties with Sanaa, as per TIE's ad on Pg.297 of the 1972 WRTH. Your editor's contact w/ the London office of this firm, in regard to a Dubai QSL, was quite fruitful, and was characterized by a quite anxious to please and extremely friendly manner on the part of T.I.E. The man to ask for, who apparently knows/understands the needs of DXers well, is Mr. P. Moore. This tip is by no means guaranteed, but if nothing else, should at least offer a break in the monotonous silence with which Yemen's QSL policy has bequeathed the mails. -rwp-

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DW Malta Relay

Seems that "mum's still the word" in regard to the upcoming DW relay: "....Concerning our Malta relay station, we can give you the following information: At present one medium wave transmitter is operating with reduced transmitter power on the fqs of 998 & 1570 kHz. The station will be extended by 3 shortwave transmitters and 1 MW transmitter. The construction of the station will probably be completed in 1974. For the present time, this is the latest news we can submit to you."---direct from DW

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V. of Nat. United Front of Kampuchea

The significance of the "Kampuchea" in FUNK: "Kampuchea is the romanized spelling for the name of the country in the native tongue (Khmer). 'Cambodge' is the French derivation, and from the French comes the English 'Cambodia'." via the book CAMBODIA by J.S.Grant. -rwp-

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Anti-slip Dial Cord Compound

Marketed by GC Electronics, Rockford, IL, 61101; cat.#1211, 38¢ @ ½ oz; Like magic!

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Radio Nordsee International

Are you an RNI freak ?? According to DXer Ron Howard "...RNI has a book offer which some NASWAers might be interested in. There are about 5 pages at the beginning which tells the story of RNI and how it developed, including the fire bombing last May. The bulk of the book is a series of black and white photos. W/the book I also recvd a beautiful color poster (16"x24") of Mebo II w/the same nice picture on the RNI QSL. The book arrived in 5 wks and are @ \$4.00 (\$1.40 of this for air post), through Miss Eva Pfister at the Zurich address. I am very pleased..."

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And-You-Thot-~~YOU~~-Were-An-Avid-SWL Dept!?!?

Perhaps no station in the world commands the great loyalty which Radio Australia receives from its fans: This, from a Brunei newspaper: "...Today Radio Australia is activating its powerful new trx in Darwin which will bring SEA's best news service several miles nearer than the trx hitherto used. Having endured years of torture from Russian, Chinese, German, Dutch, American, and Indonesian announcers jumping onto R.Australia's frequency, we hope Darwin will blast them off the air, shatter their teeth, fill their hair with dandruff and their tummies with acid, and cover their skins with scabies." (whew! -rwp- cited in a speech by ABC Gen.Mgr. in the Overseas Svc., via NASWAer Chris Stark Nova Scotia, Canada.

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Shanghai Radio Offers EE Lang.Lessons

Hong Kong, Feb.29-"A Shanghai radio broadcast here today...announced that it would begin broadcasting an EE language lesson course for residents for at least a year." from NY Times, via the only BAD-guy to live in El Paso, Steve d'Adolf.

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R.Pnom Penh QRMed---by Bombs

Phnom Penh, March 21-"At least 100 rockets struck the capital city today and its suburbs in a period of several hours beginning 1:30 AM to 4:00 AM...There were reports of fighting at the site of the radio transmitter." from NY Times, via-rwp-



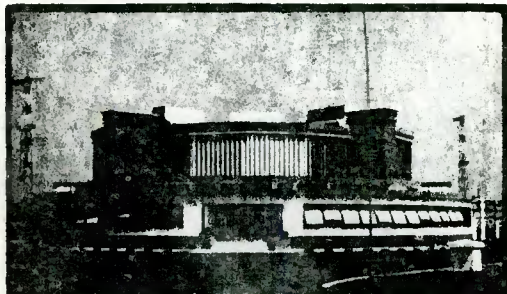
3rd of July, 1971, the Radiodiffusion Television Algerienne (RTA) inaugurated an HF transmitting station at Ouled Fayet, some ten kilometers from Algiers, on a site of area 70 hectares. The new station contains five 100 kW transmitters and three 50 kW transmitters. The aeriels provided include 14 curtain arrays, one log-periodic aerial, two quadrant aeriels and two dipole aeriels.

RADIODIFFUSION  
TELEVISION  
ALGERIENNE (RTA)

-New Transmitters-

The curtain arrays are designed to cover all the HF bands allocated to the broadcasting service, and the azimuthal directions of maximum radiation are at 20°, 55°, 98°, and 145° E of N, and their reciprocals, with provisions for slewing the beams by + 10°. The dipole and quadrant aeriels (the latter consisting of two horizontal elements at right angles) provide coverage of the Sahara region for the three national programme services. The curtain arrays and the log periodic aerial are used for international services, mainly directed to the Middle East and Africa.

The main building, constructed on two levels, accommodates the transmitters, together with their control desk. Another building houses the aerial switch-



(The front view of the main building of the new Ouled Fayet HF trx station in Algiers.)

ing frame and the electricity sub-station. The aerial-switching frame, which is of the cross-connection type, makes it possible to connect any of the aeriels to any of the transmitters. Both the actual aerial-switching frame and the electricity sub-station are remotely controlled from the control desk in the transmitter building, which also carries all the controls for the programme-input equipment.

At present, the Ouled Fayet station is temporarily broadcasting programmes produced in the Broadcasting House in Algiers, but from 1973 its programmes will come from a new production center for international programmes, the construction of which is scheduled to begin by the end of 1971. The transmitting station is connected to the Algiers Broadcasting House by a buried cable having a capacity of 26 pairs of broadcasting quality.

from the EBU REVIEW via NASWAer Gregg A. Calkin, Mexico

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RADIO ALMA ATA

This item of interest since nx de RR regionals is so scarce: "Acc'd'ing to the ann. in the Jan.1, '71 issue of the Uighurlanguage nxpaper of Alma Ata, Kazakh SSR, Kommunizm Tughi, Uighur-lang. xmsns from Alma Ata are now on the air Mon-Wed-Thurs, for 6½ hours, on two MW fqys and 8 SW fqy. Uighur broadcasts have been directed to the Uighurs of Sinkiang, China from Radio Tashkent since 1969---this more than triples the fqys."---via Glenn Hauser, Tx

ODDS 'N ENDS...

An interesting little flyer sent to SWC by DXer Marlin Field notes that FECB, that radio-giant of SEA, began broadcasting in 1945 w/"...a 1,000 watt watt trx, and two 100-foot telephone poles supporting 680' of wire...By the close of the 1970 fiscal year, FECB transmitting power totaled 702,000 watts !!"....this year's "SWC Awards for Efficient Allocation of Ec Hrs." (Prize: complete set of ECS's darkness path charts). Winner: R. Thailand, Q15 NA SvC.

## THE

WORLD ALMANAC.....A DXing Aid

...by NASWAer Richard S. Higgs

We hear and read in DXing magazines of such book aids as the "World Radio & TV Handbook" "How to Listen to the World" and so forth---publications which have proven to be of great assistance to the hobbyist, no question of that. But another DXing aid which might be overlooked by some DXers is the "World Almanac" or other books of information and facts of a similar nature. This is a heavy pocket book which sells for around \$2.00, some 900 to 1000 pages, and published by the Newspaper Enterprise Association Inc. of New York City in the East, and by other local firms elsewhere in the country. There is everything you need to know in this book. There are colored maps, a really handy reference in itself. Included is information--vital information--on every country of the world: names of leaders, geographical coordinates, demographic statistics, and even a past history of the nation.

How can a DXer make use of it? Okay, do you know how to spell 'Petrozavodsk'? No? Well, look it up in the World Almanac. Spelling of peoples names and places in the program details of a reception report is important--it shows the station that you are intelligent and alert and that your reception report is reliable. Reading up on a country to which you are reporting will furnish you with little comments and questions for the station...and this makes the difference between a soggy old everyday report and an interesting one! The book also relates the languages spoken, the capital city, and area size of each of the different countries. Useful in regard to the matters of return postage, etc., the World Almanac usually lists the monetary unit of each nation, and its U.S. equivalent.

Who knows, for some of the younger members of NASWA it may supply 95% of the answers to their high school exams! The book is easy to find. Just look for the thickest pocketbook with the cheapest price on the newsstand in your city.

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ECONOMY OF WATTAGE: "VAC - QRP Totals"

This NASWA feature needs little explanation to our older members, but just in case, here is a quick review: the VAC-QRP is, in essence, a vehicle to provide DXers with the chance to showcase their prized listening experiences--purely for the entertainment of their peers, and in an atmosphere of friendly competition. The total wattage (QRP) of 6 stations logged & verified, representing all continents verified (VAC), provides a number which can be viewed as both an index for comparison and also as a channel for your awe. hi! This month, we have Don Jenson's totals; yours next month?

<u>North America</u> .....Pirate Station - WRVU Radio Voice of the Underground, Union, Ill., 7314 kHz, and verified as "less than 100 watts"	100 watts
<u>South America</u> .....R. San Miguel, Riberalta, Bolivia, 4,700 kHz	250 watts
<u>Africa</u> .....ELWA, Monrovia, Liberia, 21,500 kHz	250 watts
<u>Europe</u> .....Polish Pathfinders Stn, Warsaw, Poland, 7306 kHz	300 watts
<u>Asia</u> .....R. Chusus Pemerintah Daerah Kabupaten Poso, Poso, Indonesia, 5270 kHz	250 watts
<u>Oceania</u> .....Solomon Is BC Svc, VQ02, 5960 kHz	100 watts
	TOTAL: 1,250 watts

Editor's Note: Any connection between Don's mind-blowing totals here and the fact that he himself had originated the VAC/QRP concept back in the latter 60's while he had the helm of the SWC is, of course, purely coincidental. hi.

The Shortwave Center needs YOUR support: articles, clippings, tips! NASWA -- #1

NASWAers Comment: The Gilfer A-20 Preselector

(Below, a portion of Gilfer's publicity sheet)

**TECHNICAL SPECIFICATIONS**

The Model A-20 PreSelector is an active radio frequency amplifying device tuned manually through the frequency range 4.0 to 22.0 MHz. The device is coupled to the input of a short wave receiver of comparable tuning range. One or two receiving antennas are coupled to the input of the device.

Radio signal amplification by the device is of the order of 18 to 20 dB with a noise figure of not more than 1.8 dB at any frequency. Amplification by the device may be adjusted manually within the range of -40 dB to the maximum of the device at the frequency to which it is tuned. The -3 dB points in the tuned pass-band are not less than 200 kHz apart at 4.0 MHz and 300 kHz apart at 22.0 MHz.

The electronic circuit of the device is contained on an epoxy-glass PC board. Two r.f. transistors (Fairchild 2N3564 or equivalent npn type) amplify the radio signals in a tuned emitter configuration. Bias to the first transistor has been optimized to virtually eliminate cross modulation under most operating conditions. The device will accept signals from any antenna feedline impedance without prior matching. The impedance of the output of the device is of the order of 60 ohms.

An ON-OFF power switch and a PREAMP IN-OUT switch are provided as operating conveniences. Power to operate the device is obtained from the 117-volt a.c. line at a current drain under 6 watts. The device is protected by a fuse and has power transformer isolation from the a.c. line. The device measures 8" wide, 3 1/8" high and 5 1/2" (overall) deep. Weight of the device is 2 lbs.

receiver's meter. It provides the gain without a corresponding increase in noise, thus improving the signal-to-noise ratio. I would expect that on a less sophisticated rx the owner would notice a substantial reduction of images, but since I am not particularly plagued with images, I'm not able to give much of a personal evaluation on that matter.

"Because the front panel is calibrated for the standard A-20 model(4-22MHz),

As most of our club members well know, Gilfer has recently marketed a pre-introductory model of a new preselector, the A-20, for the SWL. Price was quoted at \$48.00. The following is a small collection of comments from current A-20 owners, and to the left you will note a description of the unit, per Gilfer. The SWC encourages further comment, especially from A-20 owners using the unit in conjunction w/rx's not represented below.

Frank Peters, Ill....Collins 51S-1

"The question here is whether a hi-price rx like the 51S-1 really needs a preselector. I was greatly surprised that the sig's on the HF bands were greatly increased w/the Gilfer unit. While only a 10 DB gain was obtained at 6MHz and lower, gain did increase over 6 MHz, to a whopping 20 to 25 DB gain from 15-22 MHz...which to me makes the A-20 a good addition to the shack. I am curious as to its performance in other receivers, however.

"Since no wiring diagram is supplied, it is difficult to judge its cost/efficiency ratio---but I presume that excluding profits and price markup, it could probably be built by the skilled hobbyist for less than half the price, and even less if one has a well-stocked junkbox of parts.

"If you can afford it, buy it; if you can't, then build it. I myself am satisfied with the A-20."

Don Jenson, Wisc...Drake R4B

"I've used the low-freq special model of the Gilfer A-20 Preselector for several weeks and I'm very pleased with its operation. I've used it with my Drake R4B and find that the signal gain is significant over the entire range of 3.2 to 18 MHz. Gilfer says that it will increase the signal by 3 S-units: I find this claim conservative. Frequently the gain is on the order of 5 or more S-units on the



the calibration markings are incorrect for the modified low frequency model, but this is not a serious problem, as the amplification "peak" was considerably pronounced and so it can be found merely by tuning the unit without reference to the calibration markings.

"I have also had the opportunity to use the standard A-20 briefly, and the operations were similar. The only significant difference in the two models tested was that the "peak" was considerably sharper on the low frequency model A-20, that is, as with the old DB22a preselector, it is necessary to repeak the PreSelector within a band, whereas the standard A-20 is broad enough to allow only one setting for an entire shortwave band.

"Contrary to some who have observed that they get less a pronounced gain on the frequencies below about 6 MHz, I have found it improves signal level from about 3 to 5 S-units on 90 meter band checks as well as on 16 meters. "

Al Sizer, Conn.....HQ180 and Drake SPR4

"I have been using the A-20 preselector, a low frequency model which spans 3200-18000 kHz, for several weeks on two receivers, the Hammarlun HQ180A and the Drake SPR4. Before that I had been using the Ameco PIC-P preamplifier on the HQ180 but found it of little, make that none, use with the SPR4.

"Although somewhat skeptical of advance claims for the A-20, its performance on both my receivers has made me enthusiastic and I have found it one of the most valuable DXing aids to have come along. I have found that the prediction of a gain in signal strength of 3 S-units is an understatement; it ranges from 3 to 5 on all bands and averages nearer 5. And although it was also said that it would work better on the higher bands than the lower, I have not found this to be true---the A-20 is uniformly effective throughout its range.

"I find its main advantage over the Ameco preamp is that it does not raise the noise factor as well as the signal and is, in fact, extremely quiet in operation. Although some have complained that the A-20 causes cross-modulation and spurs, I have not found this to be the case with my receivers. However, it does work a little better with the HQ180A than with the SPR4, perhaps because the former is a tube-type receiver, the latter solid state.

"My two complaints are minor. It is easy to leave the A-20 turned on by accident since there is no pilot light. I understand that this has been remedied in new models. Also I wish the feet of the A-20 were made of rubber or some non-sliding material. The hard surface supports now used cause the A-2- to slip on the top of a receiver, where one would usually position it."

\*\*\*\*\*                      \*\*\*\*\*                      \*\*\*\*\*                      \*\*\*\*\*                      \*\*\*\*\*

So there you have it...from the tone of our contributors' comments, the A-20 has been well-received. For further information on this unit, contact Gilfer Associates, and Larry Magne's excellent review(which I have caught a pre-publication peek at), scheduled to appear in the May SPEEDX, is heartily recommended.

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SWAZI...HOW I LOVE YA, HOW I LOVE YA, MY DEAR OLD SWAZI

According to the Cimberer DX-News, Swazi Radio will broadcast to seven countries. The ownership break-down of the station is as follows: 60% of the shares are owned by Intermedia Co. of Kansas, 20% are owned by the government of Swaziland, and the remaining 20% is owned by a local organization. The staff which now consists of 6 Americans via Intermedia and 3 South African disc jockeys will eventually be replaced by personnel indigeonous to Swaziland.

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Chinese Provincial Xmsns

"Most prov. stations in the immediate aftermath of the Cult. Rev. ceased original bc's and instead rly'd Peking..Several

reinstalled their owned xmsns as late as this last summer...All except Inner Mong. and Kweichow carry original reports now." Far East Econ. Review, Vol 74, #44.

DARKNESS

PATTERN: The Phenomenon Explained, Part II --- by Edward C. Shaw, W.Va.

In this episode, we will present another exciting example of how to figure the sunrise and sunset for a U.S. city and a target transmitter for the purpose of determining the dark-of-night pattern between the two. The charts this month are a continuation of last month's charts. Ultimately we hope to provide you with a complete set of annual sunset and sunrise times.

Now, for our example, let us determine the sunrise and sunset for Fort Wayne, Indiana, and Singapore. Turning to our atlas, we find that Fort Wayne is at 85°W and 41°N; and Singapore is at 104°E and 1°N. Referring to our chart below, we determine that local sunrise for Fort Wayne is 0440 and sunset is 1913 on the 21st of May, our hypothetical listening date. As we recall from last month, we must add to these local times 1 hour for each 15°, and 4 minutes for each extra degree of West longitude. So, now we see that Fort Wayne is an extra 5 hours and 40 minutes west of GMT, and this must be added to the local sunrise and sunset times. The result will be a Sunset at 0053 Sidereal Time, and Sunrise at 1020 Sidereal.

Figuring the same process for Singapore, but subtracting for East Longitude, we find that local sunrise and sunset times of 0551 and 1805 are really 2255 Sidereal and 1109 Sidereal for sunrise and sunset respectively.

We can now see that at Fort Wayne's sunset at 0053 Sidereal, it is still very much day in Singapore, who had had sunrise a few hours earlier at 2255 Sidereal Time. We can also see that at 1020 Sidereal Time when Fort Wayne is having sunrise, we find that Singapore is still in daylight for another hour since the sun doesn't set there until 1109 Sidereal Time.

Thus we see that reception of Singapore is not going to be very likely for this season of the year, the reason being that there are not enough hours of darkness to stretch between Fort Wayne and Singapore. We shall most likely have to wait until much later in the year when the nights become longer.

RECEPTION OF TRANSMISSIONS BELOW 7,000 kHz

LAT°    SUNRISE(Local) Reception unlikely after    SUNSET(Local) Reception unlikely aft.

	21 MAY	31 MAY	10 JUN	20 JUN		21 MAY	31 MAY	10 JUN	20 JUN
60	0310	0251	0239	0235		2045	2105	2120	2127
58	0325	0309	0259	0236		2029	2047	2100	2107
56	0338	0324	0315	0313		2017	2032	2044	2050
54	0349	0336	0329	0327		2005	2020	2030	2036
52	0358	0347	0341	0339		1956	2009	2018	2023
50	0407	0357	0351	0350		1947	1959	2008	2012
45	0425	0417	0413	0413		1928	1938	1946	1950
40	0440	0434	0431	0431	N	1913	1922	1928	1932
35	0453	0448	0445	0446	O	1901	1908	1913	1917
30	0504	0500	0458	0459	R	1850	1856	1900	1904
20	0522	0520	0520	0521	T	1831	1835	1839	1842
10	0538	0538	0538	0540	H	1815	1818	1820	1823
0	0553	0554	0556	0558		1800	1801	1803	1805
10	0608	0610	0613	0615	S	1745	1745	1746	1748
20	0623	0627	0631	0634	O	1730	1728	1728	1729
30	0641	0647	0652	0655	U	1712	1708	1707	1708
35	0651	0658	0704	0707	T	1701	1657	1655	1656
40	0703	0711	0718	0722	H	1650	1644	1641	1641
45	0717	0727	0734	0738		1636	1628	1625	1624
50	0734	0746	0754	0759		1619	1609	1604	1604



== The Rah-Rah-Ree, Kick 'Em Inna Knee Dept. ==

SPORTS ON SHORTWAVE

It was a very cold nite in the winter of 70-71 when the shortwave fraternity felt that finally, FINALLY we were about to receive the respect due to us. I savored the delicious prospect. There in my shack, a scene no doubt duplicated from coast-to-coast in the abodes of every down-trodden DXer in NA, sat all the "friends" who had so found delight in scoffing at my beloved hobby, always ready to chuckle at Ralph's seeming addiction to static and dependence upon the mailman's daily visit. "The fools," thought I with a smirk.

I fired up the rx while all of those sinister figures who had previously enjoyed naively asking "...but where is your Morse Code machine...??" now sat on the floor and in old stuffed chairs nursing Budweisers, squirming and occasionally breaking the tense silence with a nervous cough.

"Yes, it seems," I sneered in a tone which hardly concealed my vengeful satisfaction, "...it seems that the only place to hear a live transmission of the Ali-Frazier fight is via AFRTS.....uh, shortwave radio, y'know...". It felt so good! But it was the last time I smiled for the next three hours. In that time we managed to log DW, sample the SEC's Dateline, tune the DX-Party Line, and catch the close of South African Panorama. Altho we all got a kick out of Clayton Howard's panting and huffing, there was no Ali-Frazier fight to be found on the shortwave bands. My palms broke into a profuse sweat as I flung the main tuning knob.

"Wait a minute," I alibied. "I've heard that the fight'll be televised live in Japan. Maybe the NHK...". This met with a chorus of grunts. At 0500 GMT they all stomped out, muttering in unison venomous expressions relating to the blood-line ancestry of DXing and one DXer in particular. What a bummer.

The Ali-Frazier fight fiasco notwithstanding, sports programming is one facet of the SWEC spectrum which I have found most pleasing. During the season, R.Canada offers a weekly pgm en-

titled "Hockey Nite in Canada". The BBC, R. Australia, and even WBS broadcast cricket matches, and the BBC can also be counted on for rugby games--football's considerably more physical English cousin. Of course, soccer games are broadcast by all the major LA networks. Baseball strikes are of no concern to the SWL--tune NHK. And for the die-hard baseball nut who refuses to admit the end of another season, even be it January, where else but on the SW bands can he hear the names of his favorite stars, performing in the Venezuelan and Dominican leagues....

Yet, the Armed Forces Radio & TV Service, AFRTS, the very same station which I often find myself cursing out for blocking out major portions of the SW bands--covering DX--is without a doubt the premiere sports broadcaster on shortwave. Big game blacked out in your area? Check AFRTS. According to sports season, AFRTS carries without fail the big games: the Bucks and the Lakers, the Bruins and Rangers, Cubs and Pirates, Penn and Oklahoma, UCLA and USC. AFRTS has em all !!

At the 15-20 minute mark of most transmission hours, the AFRTS runs a sports segment, offering a rotation of varied features from each of the major nets: ABC, NBC, CBS, Mutual. But the BIG BOPPER is their 25-minute "Sports Call Feed" on Tues.-Sats. at 0635-0700 GMT, during which they shoot a succession of sports shorts guaranteed to satiate the appetite of even the most ravenous sports fan. A veritable bucketful of those Howie Cosell et.al. 5-min. sports segments--back-to-back. No commercials! Also, AFRTS's "mini-big-bopper", the "Expanded Sports", is a similar 15 minute collage 7 days a week at 0115, 0715, 1315, and 1915 GMT. Speaking solely from the pt. of view of a sports fan: this is unbelievably good stuff; if you're as hooked on sports as I am, you owe it to yourself to check out these AFRTS xmsns. A great way to while away time when you're waiting for the bands to open up. The frequencies, you ask? Just close your eyes and tune across the best band--you'll find 'em..the one w/the cheering crowd, overloading your speaker.

...Ralphus

----a DXer I know recently sold his HQ180 because it could only pick up one station; no matter which freq he tuned, He always logged a guy on a broadcasting service.Aarghh.



YOUR DX-CALENDAR:

- May:
- (19) Israel: Shavuoth  
Turkey: Youth & Sports Day
- (22) Haiti: Day of Sovereignty
- (24) Br.Hond., Lesotho, Barbados,  
& Bahamas: Commonwealth Day
- (25) Libya: Arab Rep. of Sudan Nat. Day
- (27) Jordan: Independence Day  
Argentina: National Holiday  
Chad, Somali, Mauretania, Liberia,  
& Zambia: Africa Liberation Day
- (29) Malaysia: Sultan's Birthday  
Thailand: Visakha Bucha Day
- ...WATCH THESE FOR SPECIAL  
HOLIDAY TRANSMISSIONS....
- June:
- (1) Tunisia: National Holiday  
Sarawak: Dayak Festival
- (2) Same as June 1st
- (5) Fiji: Queen's Birthday
- (6) S.Korea: Memorial Day
- (7) Papua-New Guinea: Queen's Birthday
- (8) Swaziland: Commonwealth Day
- (12) Australia  
Paraguay: "Peace w/Bolivia" Day  
Philippines: Independence Day
- (13) Nepal: King's Birthday
- (18) Egypt
- (19) Algeria: National Holiday  
Uruguay: Arigas' Day
- (20) Argentina: Flag Day



THE  
OPEN

MIKE.....Feedback to SWC from NASWAers.....

Chuck Ganscoe, Chicago:"While I do not take issue with all of Al Sizer's comments on QSLs, I do believe that they are necessary and a mainstay of the hobby. Proposition 1: A QSL's value is based upon the truth and manner used to obtain it. "Honor based upon fraud is baseless". Proposition 2: Forget the "veri" wording given in a QSL. If a station cared enough to answer a report, and

the individual heard the station, you can bet it's going into the log. Prop.3: QSLs are the broadcasters' thanks for supporting their stations. They are a mainstay of the hobby. Prop.4: Besides, I like my QSL collection."---Actually, Chuck, I don't really find your opinions to be that opposed to Al's "devil's advocate" article last month. We all like our QSLs, no doubt about that. I'm sure that AVS likes all 171 of his VIC....hi. The keynote is the question which you raised, "...if the individual heard the station...". I interpreted the major thrust of Al's argument to be that, in itself, a QSL is often hardly conclusive proof of reception, due to dubious practices perpetrated by both some DXers and also SWCers....and one must bear this in mind. Ultimately, the question boils down to simply one of integrity: the DXer whose honesty in the hobby shines through consistently has no need or cause for worry that his loggings be doubted...and similarly, his veri's will enjoy the same benefits. ---rwp

Gerry Dexter, Lake Geneva, Wis.: "I'm glad to see that you've resurrected the VAC-QRP Totals in the column again, and I hope others will submit theirs. Here's mine for next month."

Charlie LoudonBoomer, Transylvania: "The station noted in the April SWC with an IS of a piece of Asian pottery being smashed is obviously Radio Bang-la-Dish".

=====

CLOSING REMARKS:

The flow of information to SWC this month has been truly gratifying...FB tnx to one and all! As has been my battlecry thus far, the articles on DX stations are particularly desired. This month, much has been rcvd on the Radio Free Europe situation. It has been my decision to avoid this topic since anything published would be probably outdated by the time of distribution, and the abundant contributions seem to indicate that the information is quite widespread, and would hence be redundant in SWC. Til next month, keep those articles coming in---and Good DXing! 73s:

*R. Phelps*

The following article was received here at the SWC headquarters after the May section had been typed up. However, it is felt here that it merits special consideration since it represents the first results of a test of the new Gilfer A-20 PreSelector with a single conversion rx, to my knowledge. In order to give a "balanced picture" of this new accessory, I deemed it mandatory to run Larry's article concurrently with the preceding A-20 piece. ---rwp

THE GILFER A-20 HF PRESELECTOR

by Larry Magne

The new Gilfer A-20 HF Preselector comes in two versions: the standard 4 to 22 mHz version and a special 3.2 to 18 mHz model. They have been tested here on a Drake R-4B, a Drake SW1A, and a Heath Mohican GC-1A.

Operation of the A-20 is quite simple. Basically, you only have to retune the smoothly-operating frequency control every so many kHz (every 100-300 kHz for the 4 to 22 mHz model, and every 50-200 kHz for the 3.2 to 18 model). Additionally, you may regulate the degree of gain or attenuation by a panel control, choose between two antennas at the flick of a switch, and even bypass the PreSelector altogether by flicking two rear panel switches. All connections are via RCA phono jacks.

The results are impressive. The unit is designed to do two key operations: 1) boost signal strength by "at least 3 S-units", and to 2) reduce images by "4 to 6 S-units". Although not stated, this last statistic apparently refers only to receivers with an IF frequency of around 455 kHz (a larger IF freq would further reduce images, whereas a smaller IF freq would reduce images less). The unit clearly meets and often exceeds these specifications. More importantly, it has done so here with no untoward side-effects, such as cross-modulation or spurious signals. Furthermore, the unit itself, when used with the gain control set at 12 o'clock or greater, is very quiet; on the other hand, when set at very low levels to attenuate signals, it tends to become rather noisy relative to the low-level signal.

Where spurs or cross-modulation have been reported, it seems that these are due to one or more of the following factors: 1) receiver out of alignment, 2) spurs existing all along due to corroded antenna connections and the like, but which are now made more evident by the boosted input, 3) operation of the A-20 at maximum gain when it is fed by an already highly efficient antenna array receiving very high powered signals, and 4) existing cross-mod products, such as Havana 11760, which are independent of the unit. Of course, the first point is solved by re-alignment of the receiver and checking of the RF, mixer and IF tubes; the second by cleaning all antenna terminals and applying contact spray, plus checking for other local sources of spurious signals -- for example, nearby FM or TV antennas; and the third by decreasing the gain slightly when such problems arise.

In terms of clarity of stations heard, the A-20 has been a big help with the R4B and the SW1A for several reasons, even though they have no need for the image reducing properties of the A-20. First, weak signals are now much stronger and override receiver circuitry noise. Second, the boost in strength allows the receiver circuitry to operate more efficiently with marginal signals. For example, with the R4B the AVC is made more effective, the T-notch more useful, and the selectable sideband operation far better (these last two points because the T-notch and selectable-sideband usage tend to weaken signal strength, while the A-20 more than offsets this loss). Modulation through the diode detector is slightly improved, as well.

Countless stations in the tropical bands and elsewhere have seemingly "come to life" with the preselector in a most dramatic and effective way. For example, just this morning Radio Rebelde's nineteenth harmonic was readable on 11400 (19x600)---which may well be some sort of record for flushing out a weak signal. I might add that this was done from a heavily-shielded high-rise apartment using a mere 6-foot long antenna.

(next pg, pæ)

THE GILFER  
A-20 HF PRESELECTOR  
(cont'd.)

With the single-conversion Heath Mohican GC-1A, which is a rather poor receiver which has been long-discontinued by Heath, images were definitely reduced by a large margin, especially when operating "out-of-band" in those areas where many SWBC images have a tendency to appear. Without the Preselector, HCJB is very clear on the frequency of 10835 kHz; with the Preselector, it is nearly gone and the UTE on 10835, previously inaudible, comes in well. However, the GC-1A is prone to overloading and the A-20 did not help this in the least. Nor were most of the "in band" signals really any better with the A-20 (this is partly due to the fact that the GC-1A is already very "hot" when operated as it is here with an attenuating capacitor bypassed). And, although images were reduced, some were still present. Also, tuning the 3.2 to 18 megaHertz version, which retains the calibration intended for the 4 to 22 megaHertz version, is considerably more difficult with the GC-1A than with Wither Drake. Hence, I tend to feel the A-20 simply will not make a good receiver out of a basically poor one. However, with a good single-conversion receiver, the improvement should be more significant. The owner of such a receiver may want to consider the easier-to-tune 4 to 22 megaHertz version, also. Not only is its dial correctly calibrated, but it requires less in-band re-tuning than the other model.

In all, feel it is a most significant aid to listening, particularly DXing when your antenna situation is not the best, UNLESS you are already plagued by nonstop electrical noises (which would be merely amplified by the A-20--but not that if such noises abound, serious DXing may be had in the lapses). And although the Gilfer flyer doesn't state this, it appears a 50 - 75 ohm unbalanced input is required on your receiver. If your receiver has a different input, it would probably be wise to check with Gilfer before placing an order.

There have been production flaws, such as loose hardware, mismatched vernier dials and shorted tuning capacitor blades. These are usually easily fixed at home, but if not, Gilfer will make the repairs in or out of warranty. Some of these problems may be due to the original packaging, which was not really up to the rigors of shipment....I'm told, however, that all units have been repackaged in a more adequate fashion of late.

Other recent improvements made since the original units were shipped out include modification of the rear panel switches so that only one switch need be flicked to bypass the A-20. In addition, there has been the inclusion of a pilot lamp.

As to which frequency range is most suitable, I should think that for moderately serious listeners who operate mostly above 4.6 megaHertz and have pretty good single-conversion receivers, the 4 to 22 MHz version would be more suitable in that it requires less in-band retuning, is properly calibrated, and covers the 13 meter-band (actually, a 4.7 - 26 MHz model would be even more appropriate). However, for the serious DXer or for anyone who owns a double or triple-conversion receiver, the 3.2-18 MHz version covers the tropical bands pretty fully (and this is where the really weak signals abound) while only the 13 mb is sacrificed: a band which contains mainly powerful international SWBCers anyway.  
....Larry Magne, Pennsylvania

HAVE YOU HEARD OF THE "BOSTON TEA PARTY" ??? WELL WAIT TILL YOU SEE A GROUP OF  
DX-CRAZED RADIO MEN HIT THE TOWN!!! THE ANARC CONVENTION -- DON'T MISS IT !!!

FEEL A STORY COMING ON ??? WELL, DO IT!!! SUPPORT NASWA -- SUPPORT THE SWC



# QSL REPORT

Gregg A. Calkin  
Rio Balsas 35-702  
Colonia Cuauhtemoc  
Mexico 5, D.F. MEXICO

Deadline: 12th-USE AIRMAIL

## COUNTRY LIST AMENDMENTS

In order to keep the NASWA Country List up to date, club members are asked to take note of the following amendments which have been approved by the NASWA Country List Committee. To read: (additions underscored)

- |   |     |                                     |
|---|-----|-------------------------------------|
| 109. India (East Pakistan)( <u>Bangladesh</u> )   | As. | Dacca                               |
| 208. Trucial Oman ( <u>United Arab Emirates</u> ) | As. | Sharjah, Abu Dhabi,<br><u>Dubai</u> |

## QSLs RECEIVED

Again this month we have a fine selection of rare and interesting QSLs. Your editor would draw your special attention to those which are arrowed (▶) and those several QSLs listed under the Dominican Republic.

ALGERIA: Radio TV Algérienne, 9685, replied by card in French and Arabic. 10 weeks by seamail for 3 IRCs, sending also rpt form and sked. Full data QSL (Sellers)

Centro de Informaço  
e Turismo de Angola

EMISSORA OFICIAL  
DE ANGOLA

ANGOLA: Emissora Oficial, 7245, post card w/full data in 1 year 4 months; also for 11876 kHz, a full data card in 2 months for 3 IRCs (Magne) black and white photo p/card of Praia-Ilha de Luanda beach; seamail in 22 months, 11 days. V/S: The Director (Hall) 9535/7245, 5th card in 3 months for 1½ year old report. Received through the courtesy of the Tourist and Publicity Department. (Ferry)

ARGENTINA: RAE, 11710, card in five months for 1 IRC and Spanish rpt (Alpert)

ARMENIAN S.S.R.: "Radio Yerevan" program, 15140, full data card w/sked in 5 weeks. No IRCs sent (Friedman) 17860, card direct with sked, p/cards and stamps in 2 months on 2nd try (Field)

ASCENSION IS: BBC South Atlantic Relay, 9510, Thames card in 25 days air (Dushane) card in 12 days for 15260. No details (Kolb) 54 days with site typed-on; sea from London (Webb) 9510, 15 days air for 1 IRC (Blossom) 7 weeks for 15260 (Magne)

AUSTRIA: Austrian Army Radio Station, 6255 kHz, antenna card w/full verification details, including power (1 kW). 2½ months by seamail for 4 IRCs and a taped report (Magne)

SCHULUNGSENDER  
des Österreichischen Bundesheeres  
Güßriegelstraße 45 A 1102 WIEN

ORF, Vienna, 9770, card of Vorarlberg, w/sked and rpt forms. 2 months w/full data (Lobdell) 2 months w/tourist pamphlets and a full data card 2 weeks later (Hogarth) 6155, lake scene card in 7 wks (Kolb) 5 weeks (Perdue)

AUSTRALIA: Radio Australia, program guide/sked, 6 reception rpt forms for 2 IRCs in 2½ weeks, but no QSL (Jeffrey) 17795, huge orange card in 1 month (Insinger) 11710, Ayers Rock card for Shepparton in 7 weeks (Kolb) 9560/Shepparton, card in 3 weeks for 3 IRCs (Oroutt)

A.B.C./Perth, 9610, card by air in 20 days. No IRCs (Johnson)

A.B.C./Sydney, 6090, Australian map card in 2 weeks air for 3 IRCs. Full QSL

data (Howard) 10 days by air for 3 IRCs. Full data including power, xmtr site and call sign (Insinger)

AZORES: Emissora Regional, 4865, ship p/card w/full data on reverse for report in Portuguese to Lison. Air in 3 weeks for 2 IRCs (Kusalik)

► BANGLADESH: Radio Bangladesh, 15562, perfect letter QSL noting difference in frequency between published 15520 and operating 15562. Used Pakistani stamps. 13 days (Henderson) letter w/full data in 13 days from V/S: M. Habibullah, RB, 20 Green Road, Dacca 5. (Lobdell) 2 weeks for 3 IRCs; by air (d'Adolf) in 14 days air, by card and enclosing a covering letter stating that I am the first to receive their new card. Same V/S. (Reynolds) Congrats OMI (Ed.)

BELGIUM: ORU, Brussels, 6125/15235, blue/yellow/red map card w/full data in 14 days air. Also sked and mailbag script. No IRCs sent (Lobdell) 9550, 22 days air (Stahl) 22 days (Schubert)

BOTSWANA: Radio Botswana, 4845, sent QSL card depicting fish eagles; 26 days for 3 IRCs (Kamp)

► BRAZIL: Rio Radio Time Signal, PER, Rio de Janeiro, 13105 kHz, two photo cards showing different views of the station, tower and coastline. Full data, in EE, and signed by Waterloo G. Melo, Substitute Chief Rio Radio PER. 1 year total and 2 months after f/up with 3 IRCs and Portuguese report. (Calkin)

BULGARIA: Radio Sofia, 9700, card in 3 months air w/skcd and station data (Calkin)

BURMA: EBS, Rangoon, QSL card direct in 4 months, after many many tries w/mint stamps or IRCs. First in many moons! (Perry) black/buff card w/acknowledgement and veri stmnt but nothing else. 74 days seamail after f/up. (Hall)

CAMEROON: Yaoundé, 4972.5 kHz, 2 cards airmail for one logging. 1 year 1 month later! One card is a map of the Cameroon, the other of the world (Soneff) 8(1) cards, 4 sets of 2 as per above - all received on one day. (Perry) for one report and three f/ups? (Ed)

CANADA: Deutsche Welle relay, Sackville, 11865, card, new or different from previous K6in QSL, in 2 months plus schedule. Airmail. (Field)

Radio Canada International, Montreal, card in 12 days. No IRCs (Hunt) 9625, all data card in 11 days (Schubert) 2 weeks for 1 IRC (Jeffrey) 10 days for 17820 (Stahl) 5 weeks for 1 IRC (Perdue)

CHU Time Signal, Ottawa, 7335, card w/complete verification data plus station information sheet in 7 days (Stahl) 14 days (Schubert) 3 days (Fisher)

CFCX, Montreal, 6005 kHz, card w/photo of studios in 5 months for 1 IRC.

CHNX, Halifax, 6130, black/white printed card in 12 days from V/S: Kathleen Davis, Secretary. Surface mail for 1 IRC (Webb)

CKZN, St. John's, 6160, card from F. Holm in 11 days surface (Kamp) FB on WCNAI

CKZU, Vancouver, card in two weeks air for 1 IRC; full data on reverse (Jeffrey)

CANARY ISLANDS: RNE, 11800, full data studio card w/site and sked in 52 days seamail. No IRCs. Also for 15365, full data card in 12 days air. Both rpts to Madrid (Duba) 11800, 12 weeks for 2 IRCs. Reported to Tenerife, but reply from Madrid (Friedman) control room card in 19 days (Fisher)

► CAPE VERDE ISLANDS: Radio Mindelo, blue/yellow card in 24 days seamail for English and Portuguese report w/3 IRCs. In 40 years have never seen this one before! (Hall) Congrats OMI (Ed.)

CEYLON: VOA/C Colombo, 11740 kHz, antenna card in 10 days surface mail (Kolb)

CBC/Radio Ceylon, 9720, card w/photo of studios and antenna; air via Bombay.

Reported with 2 IRCs and received card in 18 days (Kusalik) 9720, 4 weeks air (Orcutt) 48 days air for 2 IRCs (Lobdell)

CHILE: Radio Universidad de Concepcion, 6135, card and pennant in 3 weeks on 3rd try. (Field) 20 days airmail for mint stamps; signed and stamped by Daniel Quiroga N., Director (Hall)

CHINA (PEOPLE'S REPUBLIC OF): Radio Peking, 9780, card and sked in 8 weeks (Field) 21 days for 15060 by card w/out data plus letter and sked. No IRCs (Stahl) 15 days by card showing Red Detachment of Women (Hancheruk) 3-fold card for 15060; air in 17 days (M. Marshall) 15045, letter with appreciative comments from the "Technical Department" in 1 month air for rpt on this test frequency (Magne) card of Tien An Men Square in 74 days (Hunt) 3 weeks air (Howard) 9780, Ballet scene card; 19 days air (Johnson) 11675, 26 days air w/form letter and sked (Dildine)

COLOMBIA: Radio Super, 6065, travel folder, thank-you letter from technical Dept. in 2½ months for 2 IRCs and Spanish report. Says will send pennants (Kelleher)

Radio Vision, 6105, letter with verie statement only from V/S: Maria Elena Vasquez in 16 days for mint stamps (Fisher)

COMORO IS: O.R.T.F., 7260, short form letter in French containing verie statement and date/time. V/S: Rene Poncelet; air in 2 weeks for \$1 (Howard)

CONGO: O.R.T.F., 15190, folder card in French in 2 weeks (Fisher)

CUBA: Voice of Vietnam, via Havana, 17705, card showing huge US prisoner being captured by a tiny Vietnamese woman; also letter from Hana Van Anh, enclosed in air envelope fm the Chase Manhattan Bank of Habana: 1 year for no rp (Magne) paper, like most other things, is scarce in Cuba (Ed.)

RHC, Havana, 9550, card and 3 first day covers in 10 months (Field) 9760, 21 wks seemail (Magne) 11640, multi-color card w/sked in 7 months. No IRCs (Orcutt)

CYPRUS: B.B.C., 11955, no veri card. Didn't even have site. 12 days air for MS (Dildine) 11955, Thames card from London w/site typed in in 15 days air. (Sellers)

CZECHOSLOVAKIA: OLB5 Time Signal, Prague, 3170 kHz, full data card in 60 days for an English report w/1 IRC. Nice Observatory card. Power is given as 5 kW and station seems responsive to listeners' reports (Henderson) See QSL OF THE MONTH (Ed.)

Radio Prague, 7345, yellow card of Castles and Czechoslovakian Life magazine/tourist folders in 35 days for 2 IRCs (Pacheco) 36 days (Schubert) 9630, card in 29 days air (Stahl) card in 36 days; no IRCs (Hunt)

DENMARK: Radio Denmark, 15165, b/w card of Radiohouse aerial in 3 weeks for 1 IRC (Kelleher) 17 days air for 3 IRCs (Webb)

DODECANESE IS: VOA, Rhodes, 7110, antenna card in 10 days (Kolb) card showing aerials and containing xmtr site in 4 days from V/S: Rosemary Bailey (Churchill)

DOMINICAN REPUBLIC: Onda Musical, Santo Domingo, 4782, letter in Spanish plus decals from Mario Baez Asuncion, Director-Administrador. Station would like cassettes and rpts in Spanish (Urbelis)

Radio Antillas, Santo Domingo, 4962, picture p/card in Spanish from Freddy Mondesi, P. O. Box 389, Santo Domingo (Urbelis)

Radio Comercial, Sto. Domingo, 4880, long letter in Spanish from V/S: Mario Brea, Sub Director, plus nice decal. Station will accept cassette reports or letters in Spanish (Urbelis)

Radio Mil, 4930, letter in Spanish with a Radio Mil ruler. Send reports to Castillo Jimenez, Locutor, c/o Radio Mil (Urbelis)

La Voz de las Fuerzas Armadas, 4825, 2 cards in Spanish with pennant (Urbelis) Muchas gracias to Errol who sent the above data after visiting the stations in the Dominican Republic. Errol also has a supply of HI SWL cards for those who wish them. Write: 60 Boulevard, Greenlawn, New York 11740 (Ed.)

DUBAI (United Arab Emirates): white/black card air in 20 days for 3 IRCs and a registered report in English. (Henderson)

ECUADOR: ECJB, Quito, sea wolf card with sked and religious pamphlets in 22 days (Stahl) 11745, 23 days for 2 IRCs (Pacheco) 11745 card received in 3 weeks air for 2 IRCs, and for 9615, card in 22 weeks with no return postage sent (Magne) card and pennant in 1 month (Kelleher) 5 months w/card of the World Radio Chapel (M. Marshall) 25 days air (Hogarth) 15115, 5 months seemail (Lineenmeyer)



**ECUADOR:** Radio Iris, Esmeraldas, HC9Y4, replied by letter from V/S: D. A. Tenorio, Gerente Proprietario which specifies 3380 and 2 kW power, but no time or date. Letter includes the history of the station and information about the Esmeraldas aera. 21 days air for a Spanish report and SASE (Dildine)

**EGYPTIAN ARAB REPUBLIC:** Radio Cairo, 9475, beautiful color card and sked in 23 days air. No return postage (Riter) color card of Karnak Temple in 30 days air (Hancheruk) 9475, b/w print reproduction card, 1st series, 1st scene (Kolb) 62 days w/sked (Johnson) letter saying that QSLs were not yet printed; 4 months seamail. (Richards) 5 months for 1 IRC, seamail (Insinger)

**ETHIOPIA:** ETLF, 11855, nice blue full data card in 3 months air for 1 IRC. V/S: Menkir Esayas (Hogarth) 9730, card and sked in 3 months fm the same V/S: who apologized for the delay (Field)

**FIJI IS:** Radio Fiji, 5955, scenic p/ card w/full data confirming 3230 kHz. Returned asking for correction (Hall)

**FINLAND:** Pori, 15185, headphones card in 15 days air; full data (Kolb) 21595 and 21605, cards in 20 days air for a taped report (Lobdell) 9585, card in 10 days fm V/S: Ritta Raukko (Lobdell) card and "Hear Finland magazine" (Richards) 6 weeks for 1 IRC (No Name)

**FRANCE:** O.R.T.F., 9620, b/w card by air in 68 days, plus letter rcvd the following day. No IRCs (Schubert) 9620, card, nice view of ORTF offices; 7 weeks (Kolb)

**GAMBIA:** Radio Gambia, 4820, form letter with veri-statement. Rpted w/2 IRCs; 2 months for QSL (Kusalik)

**GEORGIAN S.S.R.** Radio Moscow, Tbilisi, 11820, card w/site indicated for Africa Service in 4 mos seamail (d'Adolf)

**G.D.R.** DIZ Nauen, Time Signal, 4525, letter and card w/frequency, date and time in 54 days (Henderson)

**G.F.R.** Deutsche Welle, 6040, card, sked, etc in 2 mos 27 days. No IRCs (Richards)

**GREECE:** N.H.B.I., Athens, 15345, card w/full data in 17 days registered seamail for English rpt and 2 IRCs (Dildine) 15347, card for 7 month old rpt followed by a f/up (Perry)

**GUATEMALA:** TGNA, 9505, Quetzal Bird card, form letter & sked in 7 weeks for 2 IRCs (Kolb) 68 days by card and a form letter saying my report checks with their logs. V/S: David Keeler, Recording Engineer (Plum)

## IBRA RADIO



### GUYANA:

GBS,

3290 kHz

form letter in 25

days air

for 2 IRCs

V/S: M. O.

Denny, C.E.

(Lobdell)

letter in 33

days from same

V/S. Full data.

(Churchill)

form letter air

in 28 days for 2

IRCs and tape rpt

(Kamp)

### HAITI: 4VEH, 11835

folder crd in 21 d.

air for MS. V/S: Mrs

Kent Ragsdale. Full

data (Sellers) 6 wks

for 15280 (Friedman)

1 month for 2450 kHz,

w/sked. Offering sent

and sked/rel. pamphlets

received (Field)

HAWAII: VVWH, Kauai, 10/20 MHz, folder card w/native and spear/Kauai map plus info on station; 10 days from V/S: C. L. Trembath, Box 417, Kekaha, 96752. 8-cent stamp returned (Hogarth) 10000, 10 days air (Webb) 5000, folder card and magazine of history of station in 10 days (Pacheco) 8 days (Howard) 10000 brown card w/full data plus info book in one month airmail (Stahl)

HONDURAS: La Voz Evangélica, HRVC, 4820, card w/date and verie statement only; 30 days for mint stamps (Fisher) 3 weeks, attractive orange, black and white QSL; air for 3 IRCs (Insinger) pink/black card air in 1 1/2 days only for 2 IRCs (Hogarth) 1 month 3 days air for 2 IRCs (Richards) 13 days w/sked (Dushane)

La Voz de Honduras, 5875, letter with date, etc typed in, in 11 days on 8th try (1) from Carlos E. Riedel, Director of Programmes. Air for SASE which was not used (Field)

Radio Juticalpa, 4780, letter in Spanish, w/date, verie statement and data on the station in 19 days air from V/S: Victor Rubi Sapata. Rpted by tape, and with mint stamps. Reply by registered airmail (Lobdell)

HUNGARY: Radio Budapest, 6175, orange full data card, sked, Budapest International weekly, 24 days air. No IRCs sent (Hogarth) 6025, card in 57 days (Fisher)

INDIA: AIR, 9530, color card of Taj Mahal, w/full verification in 55 days airmail. No IRCs (Hancheruk) 11810, 17 weeks for 2 IRCs w/full verie data listed (Friedman)

INDONESIA: Radio Chusus Pemerintah Daerah Kabupaten Poso, 5273, letter in Indonesian, registered from Marcus Ch. Mawuntu in 9 weeks after f/up (Dexter)

INTERNATIONAL WATERS: RNI, 6205, no data Mebo II card in 5 1/2 months air for English rpt to Switzerland with mint stamps (not used) (Sellers) 13 weeks seamail (Webb) 7 months for 1-IRC (Alpert) 4 1/2 months (Flum) 6205/9935, 3 cards in 4 months air (Insinger) 131 days air for 2 IRCs (Churchill) 1 month air for 2 IRCs (Linsenmeyer) card by air from Hilversum address (Banta) card in 6 months (Johnson)

IRAQ: Radio Baghdad, 9745, card seamail in 2 months for 2 IRCs; full data map card with suspension bridge in corner (Heggs) colorful map-bridge card and tourist booklet in 25 days airmail for a registered report and 2 IRCs (Duba) 64 days for 2 IRCs (Hall) 9745, card in 3 months seamail (Insinger) card with full correct data in 13 1/2 months for EE rpt and 3 IRCs (Howard) 13 months for 3 IRCs (Magne)

ISRAEL: IBA, Jerusalem, 9625, Old Jerusalem card, sked and newspaper, 25 days air for 1 IRC (Blossom) 27 days from V/S: Eileen Hyman, who also wrote a cordial personal letter giving details about Kol Israel's history (Hogarth) 6170 experimental freq., color card on 2nd try in 39 days (Schubert) 10 weeks for 6170 (Kolb)

ITALY: RAI, 6010, colorful antenna card in 9 weeks (Kolb) 9575, map and antenna card, sked and book on Italy; 4 weeks for 3 IRCs airmail (Orcutt)

JAPAN: Radio Japan, 15105, card, sked and '72 calender in 11 days for no IRCs. (Hunt) 2 weeks for 2 IRCs (Jeffrey) 35th anniversary card/folder in 1 month air (Insinger) two cards, one with full data, the other with photo of sports pavilion, plus sked etc. 21 days air and they returned my 2 IRCs (Stahl) Olympic Games card in 19 days for 9505 (Kolb) World map card in 20 days air (M. Marshall) 17825, card in 30 days showing abstract drawing of world (Lobdell) 17785, card and station newspaper in 24 days for 2 IRCs (Pacheco)

JORDAN: Amman, 7155, Dome of the Rock card in 3 weeks air for 2 IRCs (Kolb) 7155, card in 1 month for 3 IRCs (d'Adolf) Dome of the Rock is now in Israel. hi (Ed.)

KENYA: Voice of Kenya, Nairobi, 4915, letter in 30 days for 2 IRCs (Lobdell)

KOREA: VOFK, Seoul, 9640, card of ancient banquet hall in 15 days air for 3 IRCs. (McClellan)

LESOTHO: Radio Lesotho, 4800, multi-colored flag card in 13 days air for mint stamps (Hall) flag card in 3 weeks air for 3 IRCs; full details (Magne) 17 days airmail for 3 IRCs and rpt on 4800 (Kamp) five-colored flag card in 13 days air, indicating Lancers Gap as xmtr site (Churchill)

LIBERIA: ELWA, Monrovia, 11940, drummer card in 1 month for 1 IRC (Kelleher) 4770, 36 days air for no return postage (Richards) 1 month by 2nd class airmail w/full data (Insinger) 9740, card in 10 days (Orcutt)

LIBYA: Tripoli, 8630, printed form letter in 48 days seammil with details typed in, and signed by Nouri El Sharif, C. E. Reply came as result of f/up enclosing mint stamps instead of previous 3 IRCs. ADDR: Box 119, El Beida (Hall)

LITHUANIAN S.S.R. "Radio Vilnius" program, 9610, card in 5 months for 2 IRCs (Flum) 11650, card in 16 weeks w/all data except site (Friedman)

LUXEMBOURG: Radio Muxembourg, 6090, card with full data in 38 days seammil. No IRCs sent (Stahl) 4½ months (M. Marshall) 2 months for 2 IRCs, card shows antenna and national crest (Flum)

MALAGASY REPUBLIC: Radio Nederland Wereldomroep, 15260, card w/all details in 9 days air, for 3 IRCs (Webb) 2 weeks air (Insinger) 2 weeks for 15260 (Kolb) 18 days air w/sked (Sellers)

MALAYSIA: BBC Far East Relay, 17860, Thames card w/location typed in. No other data and received by seammil from London, although reported direct (Webb)

➤ MALDIVIVE ISLANDS: Radio Maldives sent letter in one month from the Director, containing the date and enclosing information leaflets on the Republic of the Maldives and sked. For 4740 kHz (Matsuura) FB OM (Ed.)

MEXICO: XERMK, Radio Mexico, 11770, letter, questionnaire, sked and tourist info from V/S Victoria E. Perez de Leon. Rpted in Spanish (McClellan)

MONACO: TWR, Monte-Carlo, 9640, card showing view of TWR Hq. 4 weeks air (Kolb) 15 days air for English report and 1 IRC for 7290 (Burke) 75 days seammil for no IRCs (Hancheruk) card and sked in 5 weeks for 3 IRCs (Orcutt) 51 days showing antenna, sked and tracts. Air for 3 IRCs (Webb)

MOROCCO: VOA, Tangier, 11970, antenna card in 7 days (Kolb) 9540, card in 2½ weeks. No IRCs (Ferdue)

RTM, Rabat, folder card with inserts of sked and thanks. 71 days seammil (Hall) 11735, folder card with rubber stamped date and seal in 2 months for f/up (d'Adolf)

MOZAMBIQUE: RCM, Lourenco Marques, p/card in 45 days for 3210 and in 78 days for 3265. Mint stamps sent for the first and 2 IRCs for the second frequency (Hall)

NETHERLANDS: Radio Nederland, 9715, Malagasy commemorative card with full data in 17 days. No IRCs sent (Stahl) 9715/Lopik, card in 53 days air (Schubert)

NETHERLANDS ANTILLES: Trans-World Radio, card with photo of station and religious pamphlets in 2 weeks air for 2 IRCs (Jeffrey) 15255, b/w card of building in 4 months seammil (Kelleher) 11820, card with photo of TWR building, sked and letter in 4 weeks for 2 IRCs (Orcutt) 11815, card/studio complex in 14 days (M. Marshall) 61 days; no IRCs (Hunt) 11820, 30 days seammil for 1-IRC (Blossom)

Radio Nederland relay, 11730, Malagasy card via air in 20 days for the SPEEDX survey report of January 28 (Howard) 3 weeks air for 2 IRCs (Jeffrey) Benelux DX Club card for programme on 9715/11730 (Hardester)

NEW ZEALAND: Radio New Zealand, 9520, card of global view of New Zealand in 10 days for 3 IRCs. Reply by air (Insinger)

NICARAGUA: Radiodifusora Nacional, letter in Spanish in 15 days giving date and verie statement for 11875 kHz. V/S: Douglas Amaya, Director Artistico. Also enclosed a minipennant (Kamp)



NIGERIA: NBC, Maiduguri, new letter from F.A.C. Diejomash stating that Maiduguri is the only station on rpted 4900. Mr. Diejomash will be with the national transmitters in Lagos in the future, and the Maintenance Engineer at Maiduguri will be Mr. O. Adeniyi, to whom all future correspondence should be addressed (Hall)

NBC, Calabar, 6145, plain card in 2 months returning my IRCs (McClellan)

NORWAY: Radio Norway, 9645, color snow/ski card w/full verification; 60 days air. No IRCs (Hancheruk) 9550, card/mountain skiing scene, air in 12 days (M. Marshall) 3 weeks for 21655 (Perdue) 9550/9610/9645, 3 cards in 16 days from V/S: Erling Thokle (Lobdell) 21730/9645, superb glossy winter scenes card in 1 month air (Insinger)

PAKISTAN: Report to Karachi with 2 IRCs brought only a copy of PAKISTAN CALLING via air in 2 months. (Hogarth)

PAPUA: VLT9, Port Moresby, 9520, map card in 3 weeks air (Kolb) 28 days w/full data, by air (Richards) VLT4, 4890, card in 44 days (Webb) 90 days sea for 3 IRCs (Blossom)

Radio Central, Port Moresby, 3290, personal letter w/full data in 3 wks air, plus usual folder. 3 IRCs sent w/local post cards. V/S: L. R. Newby, Director. ADDR: Department of Information and Extension Services, Post Office Box 2313, Konedobu, Papua. (Bundy)

Radio Morobe, 3220, p/NG folder plus personal letter from Richard C. Barlow, Station Manager in 22 days airmail after f/up. Station officially opened October 2, 1971 and being well heard (Hall)

► PARAGUAY: Radio Paraguay, 6015, registered letter from Carlos Marcial Sanchez N., Dir-Gen. 3 weeks after follow-up (Dexter)

PERU: Radio La Cronica, 9520, aerogramme with various scenes of Peru on it, in 6 weeks on 6th try. Reply by registered airmail (Field)

Radio Atlantida, Iquitos, sent letter in Spanish and pennant airmail for NASWA Spanish report form and mint stamps including friendly letter. (Henderson)

PHILIPPINES: FEBC, 7225, card and sked in 3 months air (Field)

VOA/Poro, 15290, 30th anniversary card w/out time in 7 days. Site given as "Poro/Tinang, Philippines". V/S: Rosemary Baily (Dildine) Frustrating! (Ed.)

POLAND: Polskie Radio Warsaw, color map card for 1 IRC; 16 weeks (Schubert) 6135/7285, card in new "monuments" series in 3½ months airmail. Also states that a set of pennants is available to those who meet the requirements. (Lobdell)

PORTUGAL: IBRA Radio, 9660, card in 10 months, 2 months after f/up. Full data card, pennant (see QSL-4), sked, personal letter and station data. 2 IRCs sent. For transmission relayed by Radio Trans-Europe, Sines (Calkin)

Radio Portugal, 6025, card and info about Portugal in 10 days by airmail. (Riter) 11840, beautiful map card w/full data and sked in 13 days airmail (Stahl) 2 wks for 11935 kHz. 2 IRCs sent (Perdue) card and Listeners Magazine in 12 days, no IRCs (Hunt)

► REUNION: O.R.T.F., St.-Denis, 2446, form letter, stamped and signed by J. Sonntag, Le Chef de Groupe Technique, with full details typed in. Received in 26 days airmail for 3rd f/up, w/mint stamps enclosed instead of IRC (Hall) form letter for French language report and mint stamps; air in 37 days. Sonntag notes that SW outlet is very much alive and that they presently have no plans for a change to MW (Henderson)

R.S.F.S.R. Radio Moscow, Tula, 7240, red/blue card w/site in 25 days air (Duba) card in 5 weeks (Sellers) 61 days (Magne) 7245, 22 days and 7255, 30 days (Magne)

Radio Moscow, Sverdlovsk, card in 5 weeks w/site (Sellers)

Radio Moscow, Sverdlovsk, card in 41 days (Magne)

Radio Moscow, Blagoveshchensk, red/white card in 29 days airmail for 9580.

Card has full data including xmtr site (M. Marshall)

Radio Moscow, Nikolaevsk on Amur, card in 1 month with site stated (Fisher)

RWANDA: Deutsche Welle relay, 9690, map card in 60 days with Kigali Designated. Also sked, nice pennant, details in full; air for 3 IRCs and came from K6In (Webb)  
7225, blue/orange map card w/full data in 7 weeks for 2 IRCs (d'Adolf)  
RYUKYU IS: VOA, Okinawa, 7165, new antenna card in 25 days (Fisher)

SAUDI ARABIA: 11855, card w/crossed swords by air in 20 days (Kusalik)

SENEGAL: Radio Sénégal, 11895, stringed instrument card with all data in 1 month air for French report and 3 IRCs (Duba)

SEYCHELLES: FEBA, 11935/11950, 2 cards and letter from Brenda Bacon, air in 6 weeks for 6 IRCs and tape (Magne) 18 weeks seammil; no IRCs sent (Magne) 3 weeks air for 3 IRCs (Linsenmeyer) 18 days for 3 IRCs (Friedman) 11950, 58 days by blue/white printed card, sked, tract, etc. V/S: Nancy Berry (Webb)

SINGAPORE: Radio Singapore, 11940, globe/antenna card in 2 months 12 days for 1 IRC (Richards)

SOUTH AFRICA: S.A.B.C, 3250, usual color card w/full details and S.A.B.C. sked in 23 days for 1 IRC (Dildine) 4965, 1 month by 2nd class air (Insinger) 3250, card in 5 wks (Kusalik) 6195, Industries card w/2 skeds (Richards)

Radio RSA, 11970, card in 19 days air; full data; no IRCs (Stahl) 23 days air for no IRCs (Hunt) air in 29 days (M. Marshall)

SPAIN: Radio Nacional, card in 3 1/2 months seammil plus note indicating enclosed IRCs were missing; (Linsenmeyer) 9520/Noblejas, RNE card for 4 IRCs (Hardester) 11 days for 2 IRCs (Hunt)

► SWAZILAND: Swaziland Commercial Radio, 6155, aerogramme letter from Barbara Christenson in 5 weeks from the South African office, P. O. Box 23022, Joubert Park, Transvaal, S. Af. (Dexter) ditto in 1 month for 3 IRCs (Perry)

SWEDEN: Radio Sweden, 9725, Northern Lights card in 10 days for 1 IRC, air (Hunt) 11705 card in 10 days air (Kolb) 6175, card in 10 days. No IRCs (Schubert) 19 days - (Stahl)

SWITZERLAND: SBC, 9535, card w/full data in 11 days air for 1-IRC (Riter) 13 days air w/Curling card for 9535 (Stahl) 8 weeks for 2 IRCs (Facheoc)

ICRC, Geneva, 7210, grey/red card in 10 days airmail (Hancheruk) card in 12 days air returning my tape by registered mail (Lobdell)

TADZHIK S.S.R. Radio Moscow, Dushanbe, 7220, card w/site indicated, for NA Service, in 1 month airmail (d'Adolf)

TAHITI: Radio Tahiti, 11825, mermaid card with full verification on reverse, plus sked for NASWA French language report form w/2 IRCs. Time: 24 days air (Kusalik)

TAIWAN: VOFC, Taipei, 17720, two cards in 3 months 7 days plus VOFC monthly (Richards) 15345, card, sked, p/card, VOFC monthly. 21 days; no IRCs (Hunt) 3 weeks (Linsenmeyer) 15125, green card w/frequency only. Also pennant, sked, etc (Dildine)

► Voice of Righteousness, beautiful glossy multi-colored card w/full details, plus nice letter from Chou Chi-wei, Chief of Program Division, giving info on xmtr, antenna, programs and mainland jammer. 40 days seammil for 3 IRCs. Correct ADDR: 210 Yan Shan Lee, Shihlin, Taipei (Hall)

TANZANIA: Radio Tanzania, 15435, card of studios in yellow and brown; air for 3 IRCs. (Insinger) 22 days for 3 IRCs after registered f/up (Lobdell)

► THAILAND: Ministry of Education, Bangkok, letter with date, freq. and QSL stmt. V/S: Mom Luang Chintana Navawongs, Director, Division of Education Information. 92 days by air for mint stamps and registered report. Letter indicates 6060 has been used since 1969. (Churchill) Excellent, Bruce! (Ed.)

TOGO: Radio Togo, 5047, card air in 2 months (Burke) 17 days for no IRCs (Richards) 1 month airmail for English report and 3 IRCs (Duba)

TURKEY: Turkish State Meteorological Soc, detailed letter from Prof. Dr. Umran E. Colasan Director General, in 48 days air after being misdirected to England (Hall) 18 days for

3 IRCs. Letter is vague with few details. Same V/S (Magne)

U.S.A. Voice of America, 9650, 30th year QSL w/full data in 9 days surface mail (Stahl)

VATICAN: Vatican Radio, 9615, color card of xmttr site, 13 days air (Schubert) 11725, cd w/full data in 10 days air (Stahl) 30 days air (Hancheruk) 9615, cd in 14 days and personal letter (Hunt) 5995, cd in 10 days (Howard) (Dushane)

VENEZUELA: Radio Barquisimeto, 4990, card by air in 2 weeks for 3 IRCs and an EE report (Insinger)

Radio Caracas, 4920, card in 3 weeks on 6th try from Ignacio A. Ortiz (Field)  
Radio Juventud, 4900, card of dancing teens in 3 weeks for EE rpt and IRC  
(Kelleher) two months air, for Spanish report and 1 IRC (Burke)

Radio Lara, 4800, card in two months for SS rpt and 1 IRC (Burke)  
Radio Litoral, 5060, card in 10 months. Basically thank-you only (Sparks)  
Radio Nacional, Caracas, QSL letter in English w/full data. 11725 kHz; 27 d.  
w/colorful pennant (Johnson) letter by rgstered mail w/pennant (Rice) 11725/17840, 3  
verie letters and 3 pennants for 3 EE rpts and 1 IRC each (Kelleher) letter, registered  
in 3 weeks (M. Marshall) 66 days w/pennant (Webb) short English reply w/full data, w/  
pennant (Marks) 6½ weeks for EE rpt and cancelled Canadian stamps (Sellers) 3½ months  
for 2 IRCs (Plum) 6 weeks, registered, for 1 IRC (Danzher) 10 weeks (Howard) 3 months  
(Lobdell)

Radio Puerto La Cruz, 9680, letter in Spanish in 14 days air. V/S: Rodolfo  
Enrique Fuentes. Rpted in Spanish, registered, with 7½ ips tape (Lobdell)

Radio Rumbos, 4970, card w/scene of Caracas in 1 month for English report  
and IRC (Kelleher) 10 weeks for English report and 1 IRC (Howard) 9660, 1 month air for  
IRC (Plum)

Radio Tropical, 4870, letter, pennant and p/card in 2 months after 10 rpts  
in 11 years. V/S; Angelo Grasso. SASE sent, but not used (Field)

Radio Universo, 4880, network card in 19 days for 1 IRC (Kamp)

Radio Yacacuy, 4940, card in 90 days for 1 IRC (Plum)

VIETNAM: Voice of Vietnam, 10040, paper QSL and sked in 3 months seamaill; full data, no  
IRC (Duba) six months for 15006 for rpt sent via Prague (Alpert) 4 months sea (Sellers)

ZAMBIA: Radio Zambia, Lusaka, 3346/6165, card, sked in 27 days from M. C. Chipilo. 3  
IRC (Young) 4911, 9 weeks from I. Miyanda (Howard) 3346, card in 22 days air (Zabransky)

And with that we end another QSLs received. Sincere thanks to the following  
members for their assistance and cooperation:

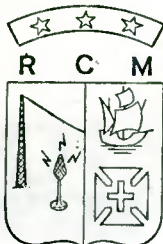
Steven d'Adolf, FL  
David Alpert, FL  
Marty Austin  
John Banta, NY  
Tom Blossom, IN  
Bob Bundy, CAROLINES  
Bob Burke, OK  
G. A. Calkin, MEXICO  
Bruce Churchill, CA  
Gregory Danzher, NY  
Gerry Dexter, WI  
R. S. Dildine, VA  
Mark Duba, VT  
Marlin A. Field, MI  
John Fisher, ONT

Al Friedman, OK  
Tom Gavaras, MN  
Angelo J. Gero, IL  
F. Earle Hall, MA  
Norm Hancheruk, PQ  
Mike Hardester, CA  
Dan Henderson, MD  
Mark Hogarth, NY  
Ron Howard, MD  
Kenneth Hunt, CA  
Edward Insinger, NJ  
Tom Jeffrey, OR  
Elmer Johnson, FL  
Steve Kamp, CA  
Bob Kelleher, NY

Greg Kelly, VA  
Neal Kolb, FL  
Edward Kusslik, ONT  
Al Linsenmeyer, IL  
Chris Lobdell, MA  
Larry Magne, PA  
Anthony Marks, OR  
Larry Marshall, CA  
Mrs. M. Marshall, ND  
Doug McClellan, NM  
H. Matsuura, JAPAN  
Frank Orcutt, NY  
Dennis Pacheco, RI  
Neal A. Perdue, TN  
Ralph Perry, IL

Wm. J. Plum, NJ  
Al Reynolds, VA  
R. H. Rice, PA  
Ralph Richards, CA  
Bob Riter, WV  
Evan Rosen, NY  
Karl Schubert, MD  
Harold T. Sellers, ONT  
J. T. Soneff, LA  
Wm. Sparks, CA  
John H. Stahl, MI  
Errol Urbelis, NY  
Mike Watman, NH  
Corky Webb, TX  
James W. Young, CA  
Jim Zabransky, IL





RÁDIO CLUBE MINDELO  
 ESTAÇÃO CR4AB

C. Postal, 101-S. VICENTE-CABO VERDE  
 (PORTUGAL)

BANDA: 62 METROS - FREQ.: 4735 KC/S - POT.: 500.W

Confirmamos o s/ Relatório de Escuta da nossa  
 emissão do dia 16/2/72, das 21.41 às 22 p.m. TMG  
 agradecemos a s/ cooperação e mantemo-nos na  
 expectativa de futuras s/ operações.

OBS. Tamilton 14/19/70 e 21/2/72  
**RÁDIO CLUBE MINDELO**  
**S. VICENTE-CABO VERDE**  
 Dept. de Programação

The very rare RADIO CLUBE MINDELO in the Cape Verde Islands (Hall)

OMA CZECHOSLOVAKIA



OMA/OLB5, the Czech Time Signal audible on 5170 kHz in NA (Dexter)

SWAZILAND COMMERCIAL RADIO (PTY) LIMITED (Incorporated In Swaziland)  
24 th Floor, Trust Bank Centre, Eloff Street, Johannesburg, Telephone: 21-3966,  
Telex: 43-6246 Teleg. Address: 'Swazicomservice' P.O. Box 23022, Joubert Park.

DIRECTORS: M.L. Wodlinger (American), N. Kinsh (Swazi), General J.P. Gots S.O.O.,  
A.L. Gomes Lopes (Portugese), R.D. Friedlander, Z.M. Nkosi (Swazi), C.M. McCraw (American).

# radio

# SWAZI

JT/BC.  
april 12, 1972.

Mr. Ralph W. Perry,  
301E, Chalmers Street,  
Champaign,  
Illinois, 61820,  
UNITED STATES OF AMERICA.

Dear Mr. Perry,

Many thanks for your letter dated March 17, 1972.

The signal which you picked up on March 17, 1972 on 6155 kHz, was in fact Swazi Radio, and this is confirmed by your reception report as stated in your letter. In fact, we have had several letters from the States, advising us that they have picked up our signal, but all refer to the interference from the Austrian Radio Station.

Our station is still in its early stages, but we have received some very favourable news from different parts of the world.

Thanking you for your interest and I enclose our OLS card for further reference.

Yours faithfully,  
SWAZILAND COMMERCIAL RADIO (PTY.) LIMITED.

*Barbara Christensen*

BARBARA CHRISTENSEN.



# RADIO MALDIVES

DEPARTMENT OF INFORMATION AND BROADCASTING  
MALE, REPUBLIC OF MALDIVES

PLEASE QUOTE OUR REF. No.

L:23/1:54/72:RM.

MARCH 19, 1972.

Mr. Hiroatsu Matsuura,  
3442 Godoshukusha,  
Gotenyama-Minami-machi 4,  
Hirakata-shi, Osaka 573,  
JAPAN.

Dear Mr. Hiroatsu Matsuura,

This is to thank and in verification of your reception report of March 4, 1972.

We are glad to inform you that your report is being found accurate.

For your information, some information leaflets on Republic of Maldives and our Schedule are enclosed.

Thanking you,

Yours sincerely,

A handwritten signature in cursive script, appearing to read 'Hassan Ali', written over a horizontal line.

DIRECTOR.

encl:



# LISTENER'S NOTEBOOK

Dan Ferguson, 1521 Smith Road, Apt. 7, Charleston, W.Va. 25314. Phone (304) 346-5738



George Schnabel's son reading the March FRENDX....It is an unfounded rumor that the June FRENDX will be the size of a postage stamp!

OUR SYMPATHY to Mr. Eddge Starts in the recent sudden loss of his wife. We learned of this just a couple of days ago in a note from Mrs. Marion Ely. (NASWA Bob)

THE 1972 ANARC CONVENTION will be held in Boston; or to be specific, at the Colonial Hilton Inn, Wakefield, Massachusetts, the 14th thru the 16th of July. (4 pm Friday, thru 12 noon Sunday.) Many well known DXers have already made plans to attend. The 1972 convention, it is rumored, may even top the 71 meeting, held in Indianapolis. And that will take some doing! I plan to be there, and hope to see you there, too. Write Steve d'Adolf, at 16 Westgate Drive, Apt. 201, Woburn, Mass, for complete details. (DF)

NASWA Letterheads Ed Shaw reminds that NASWA letterheads are available for \$1.50 per 50. Inquiries regarding rubber stamps should be directed to HQ in Altoona, but letterheads are available from Ed Shaw, at 621 Burleigh Avenue, Norfolk, VA 23505. Letterheads are mailed via Third Class.

AFGHANISTAN The tx from Kabul to Europe is currently heard on 15265 and 11785 kHs, with German at 1730-1800, English at 1800-1830, according to (BBC MS)

AUSTRIA In the March 8, 1972, issue of the World Radio Bulletin, ORF is quoted to the effect that 6155 & 9770 kHs suffer only slightly from interference from other stations. One wonders where their monitor is located. In Vienna, maybe? Incidentally, the World Radio Bulletin is published every two weeks, and always runs 8 pages. Those desiring information should write World Publications, Lindorffsallé 1, Hellerup, Denmark. Tell them NASWA sent you. (DF)

BANGLADESH From 16 April Radio Bangladesh carries a pgm in Urdu in the Overseas Service at 1000-1030, on 17910 and 15455. The external English transmissions at 1230-1300 and the Home Svc program at 1100-1230 are also on 17910, ex 15520v(BBC MS)

EBC (England/Ascension/Malaysia) In addition to the existing 7 hours of evening World Svc beam to NA, EBC has added 5-1/4 hours of morning beam time, including its first beam to WCNA via the new 250 kw txs at Tebrun, Malaysia. These are on 9580 and 11780 kHs at 1500-1615. From England on 11905 at 1100-1215, on 15070 and 17790 at 1200-1615, on 21470 at 1300-1615, on 15260 at 1500-1615. (Richard E. Wood)

CHILE According to a UPI report, Chile's 140 radio stations have asked the gov't for a subsidy from the proposed tax on each Chilean's electric bill. Since President Salvador Allende was inaugurated, wages of employes have increased 75%, while the industry has experienced a 42% decrease in advertising, according to an industry spokesman. (Errol Urbelle)

ANARC CONVENTION July 14-16, in the Boston area - meet the BAD guys. Plan now to be there! See address on this page & write for details. DON'T DELAY. DO IT NOW!!!

COOK IS. While in Hawaii recently, Rarotonga was consistently noted until s/off at 0730, on 5045 kHz. (Richard E. Wood)

DOMINICAN REPUBLIC Radio Televisión Dominicana has reactivated the 9505 transmitter, intended for Dominicans abroad. No longer operated by a New York Company. Noted with news in Spanish at 0000. (Richard E. Wood)

DUBAI Dubai Broadcasting, formerly Saut al Sahil, operates w/10 kw on 6040 kHz at 0245-1030 and 1145-1915. Can sometimes be heard between 0250 s/off of DW and 0300 s/on of VoA. (Al Sizer)

FRANCE There is again a possibility that ORTF may begin English bcsts beamed to NA. Listeners desirous of hearing such transmissions should write ORTF, Paris, or the French embassy in their national capital. (Richard E. Wood) Relay of "France-Inter" is carried on shortwave from Allouis on 6175 at 0730-2200, 100 kw. (BBC MS)

FR. GULANA Sked just in from ORTF, Cayenne, reads as follows:

Monday - Friday on 1070/4972 at 0915-1130, 1500-1730, 2030-0115.

on 3385 at 0915-1130, 2030-0115.

on 6170 at 1500-1730.

Saturday on 1070/4972 at 0915-1130, 1500-0200.

on 3385 at 0915-1130, 2030-0200.

on 6170 at 1500-2030.

4972 is new freq, 1 kw.

Others are 4 kw.

(John Campbell)

Sundays & Nat'l on 1070/4972 at 1000-0115

Holidays on 3385 at 1000-1200, 2030-0115.

on 6170 at 1200-2030.

W.GERMANY Test tx from DW's new Wertachtal tx site to CA at 0200-0415 were to begin 10 April on 6170, not previously announced 6155, which would QRM Vienna. (R. Wood)

W.GERMANY/SPAIN/PORTUGAL/TAIWAN Funds for continued operation of Radio Free Europe and Radio Liberty have been allocated by President Richard Nixon.

IRAN Radio Iran recently dropped 9020 kHz; the external svc is now on 12185 kHz in the 1727-2130 period. (BBC MS)

IVORY COAST Abidjan has English daily at 1830-1955 on 11920 (John Tuchscherer)

S.KOREA VoFK on new announced 15335 kHz to Europe in FF 0600-0630, English 0630-0700, Korean 0700-0800; ex 15155. Note that Korean Foreign Svc of VoFK in omitted from WRTH 72. HS relays of KBS are also carried on 6135 at all times other than those listed in WRTH for foreign language tx; e.g., noted 1030-1100. (Richard E. Wood)

KUWAIT RK has English on 11845 (ex 11925) at 1830-2100. (BBC Monitoring Svc)

LAOS Letter verie from V. du Pathet Lao included sked as follows:

2230-0100 (Lao), 0100-0115 (FF), 0115-0130 Viet), 0130-0230 (Lao dictation) on

4665, 6200, 7310. At 0300-0545 (Lao), 0545-0600 (FF) on 6200, 7310, 8640, 8670.

At 0900-1000 (Lao dictation) on 4665, 6200, 7310, 7430. And 1330-1500 (Lao), 1500-

1515 (FF), 1515-1600 (Lao) on 4665, 6200, 7310. (Don Jensen)

LIBERIA Time standard is now permanently GMT. (Richard E. Wood)

MONACO TWR, Monte Carlo; now begins Russian at 0600 on new 11855. (Richard E. Wood)

MOROCCO On occasion the Arabic HS of RTM, Rabat, 9615 & 11735 is extended beyond 0100; QRM from Vatican on 9615. (Richard E. Wood)

PANAMA "It's interesting to know that La Voz del Barú is officially off the air. Perhaps they're not too certain themselves, because they don't seem to be on regularly. I haven't hrd them myself since the end of February, but one of my friends in Guatemala says that they were on 6045 in early March. Means of distinguishing from Radio Santa Rosa: fondness for echo-chamber effects, use of 3 chimes (G, E', C') and s/off with Panamanian anthem. (John Campbell)

PAPUA/NG Port Moresby on 9520 noted 0800 signing off and inviting listeners to return to 3925 or 4890 kHz. (Richard E. Wood)

PERU Radio Andina, 4995 kHz, noted with identification at 0400. (Richard E. Wood)

RHODESIA Rhodesian Broadcasting Corporation...

General Service, from Gwelo, all programs in English:

6020 (100 kw) at 0620-1450. On 3396 (100 kw) at 0355-0615 (Sun 0458-0715). On 2425 (20 kw) at 0355-0545(not Sun).

African Svc, from Gwelo, mostly in Shona & Ndebele, some features in Nyanja:

On 5975(100 kw) at 0535-2010. On 3306 (100 kw) at 0328-0530(not Su), 1530-2010. On 2336 (10 kw) at 0328-0530 (not Su), 1630-2010. (BBC Monitoring Svc)

SEYCHELLES FEBA, as of 1 April; on 11955 (hrd)//15435(aned), s/ on 1657, IS & Eng ID, Farsi 1700-1730, English 1730-1800, Arabic 1800-1830. (John Tuchscherer)

SUDAN Omdurman has replaced 4994 by 5038 kHz for all its scheduled programs. From 14 April, clocks were advanced one hour. Local time is now GMT + 3. The Omdurman Home Service is now scheduled 0300-2100. (BBC Monitoring Service)

SWEDEN Changes to the Radio SWEDEN schedule for the summer, beginning 7 May:

2015-2115 Russian & English, new 11970, ex 9715.

1600-1700 English & Swedish, new 15240, ex 11930.

1830-1930 English & Swedish, new 11790, ex 11705.

0515-0615 English & Swedish, new 11895, ex 9715.

0000-0230 SS, Eng, Swedish, new 15295, ex 6175.

1400-1530 Eng, Swedish, FF, 15310, ex 21505.

The rest of the sked will be unchanged till further notice. From 7 April to 7 May, the 6175

0000-0230 tx to NA is also broadcast from a PTP

tx at Grimeton, 30 kw, on 11805. Reception in

W.Va. is fair at best. (SCDX & DF)

THAILAND Sked from stn shows:

0415-0515 English to NA

0930-00945 Thai to Vietnam

0945-1000 Viet to Vietnam

1000-1015 Cambodian to Vietnam

1025 Begin GOS

1030-1120 English

1130-1150 Malay

1200-1215 Mandarin

1215-1245 Lao

1300-1400 Relay Thai HS

(All above on 11905(100kw) and 7115(10kw))

0530-0600 French(Mon-Sat) 11905, 7115

2300-1530 Thai HS on 4830, 6070, 9655.

Sked notes correct reports will be QSLd

by card if correct. Return postage not

required. Address: The Overseas

Broadcasting Division, Public Relations

Department, Bangkok 2, THAILAND.

(John Tuchscherer)

UNITED ARAB AMIRATES The "Voice of the

United Arab Emirates" operates on 9695

kHz at 0255-0450 in AA, 0900-1000 in

AA, 1000-1130 in English, 1130-2000 in

AA. Eng nx 1000-1010(BBC MS)

VATICAN VR to NA in EE 0050-0105, FF 0110-0125 on new 15110, //old 5995, 9615, and 11725. Clear to 0100, then splash de HCJB on 15115, also beamed to NA. (R. Wood)

ZANZIBAR AP news item from Charleston Gazette says Sheik Abeid Karume was assassinated recently. One wonders if there will be any change in the QSL policy of Radio Tanzania Zanzibar. (DF)

TAHITI Daytime s/on of ORTF Papeete, listed in WRTN 72 as both 2030 & 2100 was observed in Hawaii as 2045, in Tahitian. 15170 & 11825 hrd at this time. (Richard E. Wood)

TUNISIA BBC Monitoring Service sked just received shows: 15216, 11970, 6195 all from Tunis, 11900 from Sfax.

0500-0600 on 15216, 11900, 6195

0600-1700 on 15216, 11970, 11900

1700-2200 on 15216, 11900, 6195

2200-2330 on 15216, 11900, 6195(BBC MS)

UKRAINIAN SSR Radio Kiev(transmitters

are the usual RM foreign svc txs-DF)

From 20 April to NA/Eur:

To NA at 0030, repeat 0330, instead of old time of 0430. (Brooks Sweeney)

Note: fqys omitted, since Radio Moscow has never bothered to give them correctly, and to list them here would not serve any good purpose. Perhaps someone would like to take on the task of getting R.Moscow to give accurate frequency quotes, like to the nearest 5 kHz, instead of to the nearest 10 kHz(DF)

USSR FE stn noted in Hawaii on 4030, nx in Chukchi or similar NE As lang 0645, then RS Tikhii Okean 0700 w/"Govorit Vladivostok" but the tx believed Magadan, ex 4820 kHz. (Richard E. Wood)



INTERNATIONAL REPLY COUPONS are not valid in the following countries: China(P.R.), Congo(D.R.), Dom.Rep., E.Germany, Guyana, Lesotho, Malaysia, Maldive Islands, Mauritania, New Hebrides, Peru, Rhodesia, Samoa, Somali Rep., South Yemen, Surinam, Swan Islands:( How'd that get in there? -DF), Swaziland, Tonga, N.Vietnam, S.Vietnam, Indonesia.(The list appeared in the November 1971 edition of Australian DX News, compiled by Simon Bass, and forwarded here by Danny Jamison.)

AFGHANISTAN Home Service from Kabul:

0200-0430 (except Fri) 7200, 6000,  
1300-1430 7200  
1430-1700 7200, 4775  
1700-1930 4775  
(All above in Pushtu or Dari)

## Second Pgm

1315-1430 on 3390 in Uzbek, Afghan-Turkish, Baluchi.

(BBC Monitoring Service)

PAKISTAN Radio Pakistan Home Svc:

0100-0310 (Eng nx 0300) on 11885, 9645  
0250-0300 Pushtu 4950  
0600-0605 Nx in Bengali  
& Urdu 21590, 17830  
0800-0805 Nx in Urdu/EE 21590, 17830  
0830-1105 Urdu/Bengali 21590, 15335  
1200-1205 Urdu nx 21590, 17800  
9645, 7125  
1205-1210 Bengali nx as 1200  
1210-1245 ? 21590, 17800  
1245-1255 English 21590, 17800  
1300-1310 Eng nx 21590, 17800  
9645, 7125  
1400-1615(N+E 1510) 11825, 9680  
9680 only to 1515, 6235,  
4975

## From Rawalpindi:

0130-0410 on 9875, 9850, 7250, 4050  
0600-1730 on 17865 (0600-1110)  
15130 (0600-1340)  
11705 (1115-1340)  
9750, 7095(14-1730)  
7030, 4070 or 4050  
(The latter fqys at 0600-1340;  
1400-1445; 1530-1730)  
1340-1400 4070 or 4050  
1730-1812 4070 or 4050

AZAD KASHMIR RADIO (Tx said to be at Muzaffarabad & Trarkeel)

0130-0330 on 4915  
1157-1400 on 4730  
1410-1900 on 3415, 3380

All above from Karachi.

(BBC Monitoring Service)

LIBYA External Svc:

To Gaza Strip & Occupied Areas:  
1830-1900 Arabic on 11795, 9565, 8630,  
To Chad:  
1930-2000 FF, AA, local languages,  
on 1250 kHz.  
(BBC MS)

LIBYA Home Svc:

0700 on 11795, 9565, 8630  
(BBC MS)

BAND SURVEY A survey of the 1605-4000 kHz range has been completed.

The survey runs 10 pages, and is printed on only one side, for easier use. Though the 1605-4000 range has pretty well closed down for the summer, as far as North American DXers are concerned, the survey should be extremely useful during the next DX season, beginning fall 1972. An up-dater will be issued just prior to the fall season. Cost in NA is \$1.50, overseas cost is US\$2. Those who want to receive the fall up-dater should also include a self-addressed envelope (no stamp necessary). Through a special arrangement with the NASWA printer, NASWA members may obtain the survey for \$1 until June 1, 1972, \$1.50

PHILIPPINES

of the Philippines":  
0300-0400 English 9580  
0400-0430 Malay 9580  
0430-0545 English 9580  
0545-0600 Japanese 9580  
0900-1045 English 11950, 9580  
1045-1100 Indonesian 11950, 9580  
1350-1356 N.Viet 11950, 9580  
1400 s/off (BBC Monitoring Service)

BAND SURVEY(continued from last column)

overseas. The survey can be ordered from this editor, address at beginning of this section.....The survey was compiled by this editor, with assistance from various DXers in North America, and in other countries. Current plans are to have surveys of the frequencies between 1605 and 7000 kHz completed in time for the next NA DX season. (Dan Ferguson)

REMEMBER THE ANARC CONVENTION IN BOSTON,  
14-16 JULY!!

BAND SURVEYS Mac Leonhardt has a survey showing dominant stations on the 31 meter band in the 2200-0400 period, and will send a copy to NASWA members for an SASE. Write M.R. Leonhardt, P.O. Box 13, Liberty, Indiana 47353.

ALGERIA Home Svc:

## Arabic Networks:

0600-0900 on 11965, 9685, 9660, 9610,  
7250, 7145, 6080  
0900-1800 on 15410, 15285, 11965, 11920,  
11715, 9685, 9610  
1800-0000 on 6145, 6080

## Kabyle Networks:

0600-0900 on 11810  
1200-2230 on 11810  
(Sun 0600-2230)

## "Third Net" (French except as noted)

0600-0900 on 11835, 9510, 7220  
1200-1930 on 15420, 11835, 9510  
1930-2400 on 9510  
AA 0830-0900, 1830-1930, PP 2030-2050.  
Sunday 0600-2400, on 11835, 9510, 7220  
until 1200, then as above.  
(BBC Monitoring Service)

CLANDESTINEPatriotic Youth Front(anti-Burmese Gov't)

0030-0130 on 7285, 7255, 7210, 7200,  
6110  
0700-0800 on 7360, 7290, 7240, 7185,  
6110  
1630-1730 on 7360, 7290, 7240, 7185,  
6110.

Transmissions are on Monday &  
Thursday, in Burmese, Mon and Karen.  
(BBC MS)

National Liberation Front Radio  
(anti-Burmese Gov't)

0030-0130, 0700-0800, 1630-1730,  
in Burmese, Mon and Karen. Frequencies  
used are 7360, 7290, 7240, 7185,  
6110. (BBC MS)

Voice of Truth (pro-communist Greek)

on 7335 at 0430-0505, 0700-0725,  
0920-0955, 1000-1035, 1120-1200,  
1600-1630, 1930-2000, 2030-2115  
And on 9775 at 0510-0545, 0730-0755,  
1205-1245, 1710-1730, 1830-1900.  
(BBC MS)

"Bizim Radio" (pro-communist Turkish)

on 9500/6200 at 0600-0650, 1015-1045,  
1445-1515. On 9585 at 1640-1700, 1740-  
1820, 1910-1925. On 6200/5915 at 2000-  
2100. On 6200 at 2120-2155 (BBC MS)

AND BEFORE WE END, ANOTHER REMINDER THAT THE ANARC CONVENTION IS IN BOSTON, JULY 14, 15, 16. "Looks like another good'un this year!" (Don Jensen) Don't miss it if you can make it: Write Steve d'Adolf, address on page LN-1.

ALGERIA External Svc:

## To Arab World:

1800-2100 Arabic on 11965, 9660, 7250, 7145  
To Middle East:  
2100-2300 French on 9725, 7220  
To Africa:  
2100-2300 French (freq not given)  
(BBC Monitoring Service)



## Voice of Free China

## VoFC sked, via BBC MS:

0130-0945 Mandarin on 9630(irreg)  
0345-0625 Mandarin on 15325, 15283, 11973,  
11906, 9690, 9630, 7253,  
7152, 6045, 3335.  
0625-0945 Mandarin on 900 kHz  
0945-1800 Mandarin on 7152  
0945-1915 Mandarin on 15325, 15283, 11973,  
11906, 9630, 6045, 3335,  
0955-1155 Amoy on 3335 (that's what it says -  
thus in Amoy & Mandarin at the  
same time! DF)  
0955-1155 Hakka on 9690, 6045  
1155-1500 Cantonese on 9690, 6045  
1540-1620 Uighur on 15325, 15283, 11973,  
11906, 9630.  
1620-1700 Tibetan on 15325, 15283, 11973,  
11906, 9630  
1700-1740 Mongolian on 15325, 15283,  
11973, 11906, 9630  
1915-2045 Mandarin on 900 kHz  
2045-0130 Mandarin on 15325, 15283, 11973,  
11906, 9630, 7253(2300-0130),  
7152, 3335(2045-2255)  
2055-2255 Cantonese on 9690, 6045(2202255)  
2255-0112 Amoy on 3335  
2255-0112 Hakka on 9690, 6045  
(BBC Monitoring Service)

HAITI Data on SW stations in Haiti is requested for a feature in Listener's notebook. Info on stns other than 4VEH is needed. Send info to this editor. (DF)

# LOG REPORT

Larry Magne, Ed.  
 NASWA Log Report  
 P.O. Box 2133  
 Mid-City Station  
 Philadelphia, PA 19103 USA

Deadline: May 12, 1972

- 1800 UNID EE tlk, pops 1220, weak, MW harm?(no fund found) (BBy)  
 2475 CHINA Hangchow HS, QRN, fair 1053 (SK) CC presumed (Ed)  
 2510 S. KOREA HLK-50, Taegu, weak w/QRN 1056 (SK)  
 2600 CHINA Fukien Front, poor w/marine QRN 1059 (SK) CC to 1100(Ed)  
 2637 UNID in lang, mx 1545 & 0930, hrd often, vy weak (BBy)  
 3015 N. KOREA Cf. April LR. KCBS JJ & Hanoi relay \*0900-1500\*, NF  
 ex-4410, //6580 (ex-6540), 635 MW, strong in Japan (HMa, BBy)  
 3200 CHINA Fukien Front, Amoy //3400, RTTY QRN 1105, poor (LM)  
 3203t THAILAND Thai Ministry of Ed., vy weak 1130 w/lang tlk (RWP)  
 3204 NIGERIA Ibadan w/Af mx, poor 0540 (LM)  
 3215 DOM. REP. R. Libertad, ID, LA mx, fair 0439 (AAM)  
 3245v VENEZ. R. Libertador, ID's, LA pops 0445-0620, 0906-0936 (JDT,LM)  
 3249v ESPIONAGE Unid YL w/5-grp GG nos, not DSD, "Achtung" 0445 (LM)  
 3250 S. AF. SABC lt mx, good 2315 (FH) EE/Afrikaans presumed (Ed)  
 3255 VENEZ LV de Tigre, ID's 0105 (FH)  
 3259mv JAPAN NHK HS I, JJ tlk //670 MW etc 1245 when Madang off (BBy)  
 Unid JJ 0915 (RBO)  
 3260 NIGER Niamey, unique Af mx, M anncr in FF, poor 0545 (LM)  
 3270v UNID LA SS w/lt Andean mx, futbol 0405-0420, 1035-1105 (LM)  
 3275 VENEZ R. Mara AA tlk,chants (!), SS ID's 0100 (ER) 0000 (FH)  
 3290 GUYANA Action R. 0215-0359\* (EU) 0440\* (JDT) 0310-0325 (HS,CC)  
 Open carrier 0445\*-\*0845 (JC) IS 0815 (LM) \*0845 (RBO,DJM) EE  
 3294v VENEZ R. Trujillo, LA mx, ID 1008, TC, unstable tx (LM) (Ed)  
 3300 GRENADA WIBS EE tlk, mx, heavy QRN 0215 (JF) Heavy QRN 24h, hi!  
 3310 CHINA Changchun, poor w/CC tlks 1150, QRN, quick QSB (DJ)  
 3315 MARTINIQUE ORTF \*1000 w/Marseillaise, pops to 1025 f/o (JC,LM)  
 3316 SIERRA LEONE RSL hymns, Af mx, nx in EE/vern 0602-0700 (JDT,HS)  
 3322 NEW GUINEA R. Bougainville, Poly & C&W mx, EE/Pidgin (AAM,EU)  
 3324v VENEZ R. Monagas, LA mx, ID's 0332-0350 (CC,LM,AAM)  
 3325 GUAT R. Maya \*1043-1130, 0200-0403\* w/NA, ID, rel mx (EU,MAF)  
 3335 NEW GUINEA R. Wewak, Pidgin tlks, ID, TC, mx 1025-1100 (RWP,AAM)  
 3344v UNID M&W talk, unintelligible, hopeless 0510 (LM)  
 3346 ZAMBIA Lusaka fair-to-poor w/Af mx 0310 (FH)  
 3350 GHANA Ejura, Af mx, M anncr, QRN 0550 (LM)  
 3355t NEW CALEDONIA ORTF FF? tlk, mx, QRN, vy poor 0840 (LM)  
 3364v DOM REP R. Exitos ID's, mx 0115-0500\* (CC,JC,DJM)  
 3364v VENEZ R. Puerto la Cruz, Ven NA, under Exitos to 0400\* (LM)  
 3366 GHANA Accra to 2300\* with NA, fair (LM)  
 3375t BRAZIL R. Olinda Pernambuco, PP, LA mx, ID? 0805, also 0245 (LM)  
 3380 GUAT R. Chortis, "Musica Mexicana" 1105 (JDT)  
 3380v ESPIONAGE USB, W read 4-grp SS nos 0515-0538\*, good (LM)  
 3381 ECUADOR R. Iris, LA mx, SS ID's by M&W, 0415 fair (DJ,LM)  
 3385 VENEZ R. Barcelona, LA mx, ads, ID's 0050-0300 (FH,DJM) Relay  
 Rumbos, but "R. Barcelona" ID 0440, Ven NA 0443\* (LM)  
 3385 F. GUIANA ORTF, Cayenne, "Marseillaise" \*0915, FF ID,1030 (RWPLM)  
 3385 NEW BRITAIN VL9BR 1155 chorals after Cayenne f/o (RWP)



- 3390 ECUADOR R. Zaracay, Ec vocals, ID, fair 0350-0520\* (RWP,JDT,LM)  
 3400 CHINA Fukien Front, W in Amoy 1130 //3900, fair (LM) 0505  
 3600% CUBA R. Rebelde, 6 x 600 // 3540, 1t mx, M in S,Cf.11400 (LM)  
 3910 RSFSR(As) Moscow HS, unk QTH, RR nx, under FEN 1104 (SK)  
 3925t PAPUA VLK3, Poly mx mix another b'caster 0935 (LM)  
 3948 CHINA Sining HS, good 1107, over ARO's (SK) CC list (Ed)  
 3986 NIGERIA NBC Lagos, good w/EE nx 0610, ARO QRM, QRN (RWP)  
 3995 RSFSR(As) Moscow HS in RR, unk QTH, under ARO's 1110 (SK)  
 3995m SOLOMON IS SIBS, nx in EE/Pidgin, regional mx, poor 0745 (LKM)  
 3997 S AF Springbok R., EE tlk, 1t mx, ads, ID 0410 (RBO)  
 4068 CHINA (Inner Mongolia) Huhohot Mongolian HS // 6975, Chi mx, Mongolian tlk, poor 1326 (BBY) vy weak under RTTY 1111 (SK)  
 4274 N KOREA KCBS KK HS I 0950 //6599, 4401, 2850, MW1005, 820 (BBy)  
 4401 N KOREA Cf. April LR. KCBS KK HS I NF \*2000, 0825-1400 (BBy)  
 4553% USA VoA RCUSE CC feeder, seems //15410 1015 exc (LM) (BBy)  
 4563 UNID Theme mx 1300, KK tlk, mentioned "Pyongyang", 1400+1500\*//4601vrtBOLIVIA \*0958 (ex-1027) NA, ID's like "Guyaquin" thru QRN, so assume is rptd R. Guayaramirin, SS TC's, LA pops/trad mx (LM)  
 4651 INDONESIA (Java) RRI Djakarta, ID "Studio Djakarta"-1159\* (BBy)  
 4679 ECUADOR R. Nac Espejo ads 0430 (DJM) "Mx Nac desde QUITO"(PP)  
 4698% INDONESIA RRI, QTH unk, Indo mx, RRI ID 1658 but couldn't read loc ID, NA 1700\*, also 1129, Djakarta nx 1200, poor (BBy)  
 4700t ESPIONAGE \*1200 w/lively theme mx, KK nos?, also \*1500 (BBy)  
 4719 UNID 1243 lang nx, chimes, pops, no ID (RWP) RRI?,QTH unk (Ed)  
 4750 N VIETNAM Tay Bac // 6302 (not //6376), ID by W&M "Phat Thanh... Tay Bac", seems \*1000-1115\* \*1200-1400\* (BBy) //9875? (Ed) AAM..  
 4755 COLOMBIA Em Nuevo Mundo LA pops, Caracol ID's alnite (CC,HS,CF, BRAZIL Rd do Maranhao PP w/Braz pops, no ID 0217-0232 (CF)  
 4765 CONGO RTVC \*0430 w/FF/vern anns, Af pops, FF ID 2300 (RWP,JPR)  
 4765 INDONESIA RRI, Medan?, Indo tlks, pops, chimes 1216 (RWP)  
 4770 UNID As spkr fair 1220, RRI or KCBS? (RWP)  
 4770 VENEZ R Bolivar, gd w/mx, many ID's 0245 (JPR)  
 4770 LIBERIA ELWA EE rel svc, ID, BBC Af nx 0630 (JA) BBC nx to 0610 (CC) Nx 0700 (HS) EE tlk to 2300 (JPR)  
 4772t ECUADOR R. Cen Portoviejo EE w/Ec mx, no clear ID, het 0400 (CP)  
 4777 GABON Libreville \*0430 w/Af mx (JC) FF ID 2200, then nx (MD)  
 4780 HONDURAS R Juticalpa w/ads, TC's 1015-1130 (EU) LA pops 1120(RWP)  
 4782v DOM REP Onda Mus, mx, ID's 0230-0316 (BK,CF) ID's, TC's 2350(ER)  
 4783 MALI Bamako \*0600-0715 f/o Fr mx, fair-gd (JC,CC,NM)  
 4785 BRAZIL R Ribamar mx, anns, ads 0800-1000 (EU) ID? Indoam? (Ed)  
 4790 VENEZ Ondas Portenas, ID's, ads, TC's 1030-1130,2230-0330 (EU)  
 4792 ECUADOR Em Atalaya, LA mx, Orange Crush/Coke ads, NA 0457\* (CF)  
 4797 BOLIVIA R Nuevo Am, mx, anns, fair-poor 0439-0459\* (GLD) (FH)  
 4800 VENEZ R Lara \*0956-1130,0100-0403\* ID's (EU) ID 0020 (MD) 0315/  
 4800 LESOTHO RL 0408 w/M in Sesotho when YV off, little mx (ECS)RWP)  
 4807 ECUADOR R Popular Independiente w/Ec mx, ID's 0500-0615(CP,PF/  
 4810 VENEZ R Popular w/mx, ads, TC's 1040-1130, 0100-0330 (EU)  
 4815 UPPER VOLTA RTvV w/chants 0620, ID, IS, nx, mx to 0710 f/o (CC) \*0600-0700 f/o (JC) pops, FF nx, NA 2303\* (Er)  
 4820 ECUADOR R Paz y Bien TC's, mx 0930-0956, then QRM HRVC (EU)  
 4820 HONDURAS HRVC good w/EE px 0300 (JPR)  
 4820 GAMBIA RG exc 0630-0730, chants, BBC nx 0700, Wolof nx 0715, drum IS, BBC nx 0730 (JC,HS,CC) ID, 6 pips 0700 (PP) Yes,3kw(Ed)  
 4825 DOM REP LV de la Fuerzas Armadas ID's 0200-0433\* w/NA (EU)  
 4830 VENEZ R Tachira w/ads, TC's, anns 1130 (EU)  
 4834v COSTA RICA R Capital w/pops, ID 0525 (HS,JC) 0100-0400 (EU,BK)  
 4835 SARAWAK RMS-Kuching w/M tlk, "RMS" 1455, strong (PP)

- 4838 CHINA Fukien Front relaying Taiwan Svc in CC 1210 (RWP)  
 4840 PERU R. Atlantida w/ads, ID's 0910-1130, 0300-0452\* (EU)  
 4840 VENEZ R Valera w/mx, ads, vy poor 0130-0230 (EU)  
 4840 INDIA Bombay w/vocals, tlk, mx 1223-1243, lost to QRN (JDT)  
 4840 UNID SS ID "LV..." 0230, Span songs (hymns?) (JF)  
 4845 MALAYSIA RM-Penang, old US pops, reg mx, ID 1215 (RWP) 1450 (PF)  
 4845 BRAZIL Rd Teresina w/mx, ads, TC's \*0757-0930 (EU)  
 4845 COLOMBIA R Bucaramanga w/mx, ads, few ID's, exc 1030-1130 (EU)  
 4850 MAURITANIA RTVM w/reg mx, FF anns, drums, chants 0700-0730 (PF, CC) AA anns, chants, under intense RTTY 2235 (RWP) (Ed)  
 4860 USSR \*2258-2330 RM EE to ECNA (EU) ID "Govorit Leningrad" in HS/  
 4860 VENEZ R Maracaibo w/ads, ID's, mx \*0857, 0010-0330 (EU, BK, FH)  
 4863 BRUNEI RB w/vocals, lang ID 1200, nx (RWP, JDT) Tent ID 1125 (ECS)  
 4865 BRAZIL RC do Para \*0758-1130, 2300-0400\*, also 0600\*, ads (EU)  
 4865 ECUADOR Rd de Genit 0108 w/sports event, poor (FH)  
 4870 VENEZ R. Tropical w/marimbas, ads 1005-1130 (EU)  
 4872t INDONESIA HRI-Sorong, Indo w/US C&W mx, vy poor 1154-1203 (CP)Ed  
 4875 S AF SABC in Afrikaans, no EE, info, mx \*0358-0500 (EU) Was \*0430  
 4875 UNID "Trans-Af" EE 0457, vibraphone IS 0500 (PP) SABC (Ed)  
 4875t BOLIVIA La Cruz del Sur, SS nx 0245, ID's 0250 "La Paz" (ER)  
 4880 ZAIRE Kinshasa w/FF tlk, mx 0434, severe RTTY (SK)  
 4880 VENEZ R Universo ID's 0300 (BK) "Typical LA SS px" 0305 (BTH)  
 4880v DOM REP R Comercial Coke ad 0338 (FH) 4885 ID's 0510 (PP)  
 4890 PERU R San Juan w/mx 0420-0440 f/o (MAF)  
 4890 SENEGAL Dakar \*0600-0705 w/chants 0610, FF nx 0705 (PP, RWP, CC)  
 4890 PAPUA VLT4 ID 0830, sports (LKM) ABC nx 1100 (FH) 1355\* (JK)  
 4894½ BRAZIL R Bare, futebol, TC 0300, fair (LM)  
 4895 SARAWAK RMS ID 1130, lang, pips 1200, EE nx/ID //4835 (GLD, RWP)  
 4900 VENEZ R Juventud w/pops past 0400 (BK)  
 4905 CHINA Chungyang JKT HSI 1634, \*2000 (Bby) NASWA sked mismeas (Ed)  
 4910 GUINEA RC w/FF nx 0710 (CC) TENT 0734 FF w/audience, speech (Bby)  
 4915 CHINA YL w/CC tlks 1140 (RWP) Prob Harbin 4914 (Ed)  
 4915 KENYA Nairobi in Swahili tlk on US politics 2205 (MD) ID 0305 (ER)  
 4915 GHANA RG EE nx 0600 (MM, JK) Vern 0615 (HS) EE/v 2245-2300 (CP, JPR)  
 4920 HONDURAS R Progreso ID 0215 (AAM) Hymn, SS ID, "Lara's Thm" 0400 (CL)  
 4920 AUSTRALIA VLM4 Brisbane 1130-1200 EE comedy, Tom Jones mx (CC, AAM) Extended sked to 1430\* for cyclone (Bby) Turks Is, hi (Ed)  
 4923 ECUADOR R Quito chimes, ID 0335 (FH) Ec mx 1055 (CC)  
 4926 RIO MUNI R Bata 2050-2200\* w/AA/SS speech, WRTH ID's, NA (DH)  
 4930m DOM REP R Mil, ID 0555 (BCo) TC's 0215 (BK) SS mx 0535 (LKM)  
 4932 NIGERIA NBC Benin, church svc to 0500, then Lagos nx (SK)  
 4940 ECUADOR R Nac del Ec w/operat-type mx to 0455, ID and off (GLD)  
 4940 VENEZ R Yaracuy w/mx & tlk, fair 0130 (BK) JPR, MD  
 4940 IVORY COAST Abidjan FF tlk & soap opera 2222-2245, ID 2200 (AAM, /  
 4945 COLOMBIA R Colosal w/LA mx 0508 (HS) ID 0635 (FH) mx 0750 (JK)  
 4945 S AF Springbok R, nx, mx, EE soap ads "Speedo" 0445 (MM, PP) (TC)  
 4950 SARAWAK RMS-Kuching w/EE pops/ID 1200 (CP) EE nx 1400 (RMS) 1600/  
 4950 VENEZ R Coro weak w/talk 0210 (BK) ID hrd? (Ed)  
 4955 COLOMBIA R Nac w/ID, chimes, TC (BK) Reactivated (Ed)  
 4960 CHINA RP JJ tlk on Chou En-lai, fair 1030 (LM)  
 4960v DOM REP R Antillas w/mx, little tlk, ID 0030 (BK)  
 4965m S AF SABC EE nx, wx, EE Svc ID 0430 (CP, CC) Springbok 0405 w/  
 pops, EE ads for "Jungle Oats" (LKM) 'Bok list 4945 only (Ed)  
 4965 COLOMBIA R Sta Fe mx, ID's 0520-0815 (HS, JK, BK, LKM, DJM)  
 4968t CEYLON CBC w/As mx, few anns, EE TC 1610 "9:40" poor (Bby)  
 4970 VENEZ R Rumbos 0115 w/LA mx, anns (BK)  
 4970 SABAH RM-Kota Kinabalu w/loc EE nx to 1119 //7180, 7240 (Bby)

- 4972 CAMEROON Yaounde 2230-2251 w/Af mx, FF, NA 2301\* (AAM,MD) Don't confuse Fr Guiana now rptd here (see FLASHSHEET) (Ed)
- 4975 UNID 0725-0815 in PP, too weak to ID, under marker stn (CC)
- 4980 GHANA RG, Ejura, N:E fair 2249 (AAM)
- 4930 VENEZ Ecos del Torbes EE & SS ID's, mx 0045-0335 (BK,JF,LKM)
- 4990 CHINA Changsha w/II px, Chi Rev opera, W t1k 1450 (PF)
- 4994 PERU R Andina w/SS songs, ads, ID 0500 (CL) 4995t 110G (RWP)
- 4996 BRAZIL R Brasil Cent w/good sig 0032 (NM) Details, pse (Ed)
- 5000v CAMBODIA VNUFK, Khmer, "Kampuchea" hrd, QRM JYJ/WWVH //9989v, 10079 1355, //7011½ (VoV relay),9989v,10079 1125 (BBy)
- 5000 NEPAL RN w/As mx 1152 thru JYJ/WWVH, no brk 1200, also 1530 (BBy)
- 5000 HAWAII WWVH w/time ea min by W anncr in EE 1150 (CP) 1108 (JDT)
- 5010 DOM REP R Cristal w/ SS nx, ID 0555-0645 (LKM,BK,PP) 0105 (JPR) Clas mx 0253-0430 (HS,AAM) ID 2330 (FH)
- 5015 USSR Vlad 1045-1200 in PP-like lang (CC) RR tlks, opera 1150 (RWP)
- 5015 GRENADA WBS gd 2340 w/TC, pops (FH)
- 5017v COLOMBIA Trans Caldas w/RCN ID's 2355 (FH) 0230 (BK) 0540 (RBO)
- 5030 SARAWAK RMS N:lang 1146 "Sarawak" hrd, RM ID 1155 (RWP) 1445 (PP)
- 5030 VENEZ R Relej Continente w/ID's, NA 0405\* (CP) 0415-0500\* (CL,BK)
- 5038 CENT AF REP Bangui w/FF ID's, nx, Af mx 2135-2300 (RD,MD)
- 5040 CHINA (Foochow list - Ed) CC px to abrupt 0940\* (BBy)
- 5040 GEORGIAN SSR Tbilisi w/lang t1k by M, chants to 0413 f/o (RWP)
- 5041v BURMA BBS lang 1245 (RWP) EE from 1430 (PP,JK,SK,TC) BB 1105 (FH)
- 5041v PORT GUINEA Bissau 0710 w/PP mx, overmodulated (CC)
- 5047 INDONESIA RRI Jogjakarta, soft orch pops, EE nx 1157 (RWP)
- 5047m TOGO Lome N:F, ID 0630 (LKM) N:F 2255 (JPR) NA \*0528 N:F (CC,NM)
- 5050 VENEZ "R Mundial Fabulosa" ID's 0200-0355 (ENR, FH, AAM, BK, HS)
- 5050 UNID M&W in lang, big band mx, short flute IS 1400, chime, 3 tones, nx (PF) Jogjakarta? (Ed)
- 5052 SINGAPORE RS 1430 w/EE nx, strong "on any rx" (PF)
- 5053x UNID 1050 poor w/hymns?, calm W anncr in lang, unreadable (LM)
- 5060 S YEMEN Aden w/chants to 2201\*, chants 0310-0330 t/o (ER)
- 5070 ECUADOR R Jesus del Gran Poder Gd Fri chorals 0030-0210\* (FH, JDT)
- 5084 INDONESIA RRI-Medan w/chants 1440 //4765 (PF)
- 5240 CHINA Fukien Front, Y L w/CC t1k, martial mx 1130 (RWP)
- 5273 PARAGUAY R Nac 0025 nx, 0030 ID by W, 0052+ (GH,DJ) 0000 "Nixit (GS) Nixit?? (Ed)
- 5310 CUBA 9x590?, SS px 0034 (GH) An OM in Pago-Pago hrd the 52nd harmonic of Fidel's intercom on 44821½ at 0543, hi (Ed)
- 5435x W GERMANY DW USB feeder, lang ID, talks, nx, IS 0444 (LM)
- 5874 N KOREA KCBS KK HS 2000 //6400, NF ex-5868, fair (BBy)
- 5875 HONDURAS LV de Hond w/LA mx, poor 0137 in SS (HS)
- 5930 CZECHOSLOVAKIA RP EE/ECNA 0100-0119 (GB, BR, AAM)
- 5955 FRANCE ORTF \*0558 w/FF to S Pac/NA, QRM HCJB (HS) Now 5960? (Ed)
- 5960 ECUADOR HCJB \*0600 GG, mx, weak (HS)
- 5960 MONGOLIA UBR HS 1138 w/M&W annrcs, indigenous mx, "sounded CC" (ECS) I think HS is Mongolian only; BBC MS lists on 5958 (Ed)
- 5965 MALAYSIA RM-KL, Malay mx/t1k, ID's 2000, also 0930-2100+ (BBy)
- 5965 BRAZIL R Guaiba w/PP t1k 2315 (MD)
- 5980 SIERRA LEONE Freetown 0750-0800 w/Af anns, ads (JC)
- 5985 NEW GUINEA VH9RA Rabaul 1030 w/old pops, G&W mx, M annrc (ECS)
- 5985 TANZANIA Dar es Salaam 0257 weak w/IS, ID, chants (JDT)
- 5987 INDONESIA RRI-Menado, Indo nx, chimes 1239, RRI ID, oldies (RWP)
- 5995 VATICAN VR IS 0109, FF ID, t1k (AAM)
- 5995 MARTINIQUE ORTF 0120 after VR off, FF ID 0130, clas mx, VoA (FH)
- 5995v MALI Bamako 2225-2359\* w/Louis Armstrong mx (JDT, NM) NM
- 6000 BRAZIL R Inconfidencia 2300 bells, pips, ed px (CC) mx 0005 (FH)



- 6000 AFGHANISTAN RA w/weak flute IS 1130 under PR, IS cinches (ECS)  
 6005 CANADA CFCX Montreal 0200 (BCo) mx 1307 (KAS)  
 6006 COSTA RICA R Reloj w/ID's 0225, het (MD) 0340 (ENR,DJM)  
 6010 CANADA CJCX, Sydney NS w/wx, C&W mx, ID 1125 (CP) nx 0100 (RD)  
 6020 MEXICO XEUW El Eco de Sotavento, Veracruz, ranchera mx 1145(CP)  
 6020 HUNGARY RB EE/Eu, NF ex-6025 to 2155\*, but still 6025 \*2200(LM)  
 6025 NIGERIA NBC Enugu 2300 ID, N:E (GLD) \*0428 talking drums (FH)  
 6035 POLAND PR 2330-0000 w/Polish ID, trumpet Eu IS, VoA splash (ECS)  
 6035 BRAZIL R Globo w/PP ID 2330, better than //11805 (MD)  
 6038 COSTA RICA TIFC 0256 "Grapes of Wrath", N:E (DJ)  
 6040 UNITED ARAB AMIRATES Vo the Arab Amirates, Dubai, chants thru DW  
 IS 0248-0300 when VoA on (ECS) TENT chants from DW off 0248 (DH)  
 6045 PANAMA LV del Baru Sat nites only, 3 gongs g/e'/c', echos, s/off  
 time varies, but is with Pan NA (JC) "Officially" inactive,FB (Ed)  
 6045 ECUADOR HCJB loud 0030 w/piano clas mx (FH)  
 6050 MOZAMBIQUE LM good 0415 w/"Breakfast Show" (FH)  
 6050m RSFSR(As) Irkutsk list, IS, pips, N:J (LKM) Presume RM (Ed)0900.  
 6050 ENGLAND BBC EE/Eu w/nx, fair 0608 (HS)  
 6055 RWANDA Believe Rd de la Rep Rwand w/Af mx, FF ID 0430 (GLD)  
 6060 SICILY RAI Caltanissetta under CM, RAI ID 0500, clas mx (FH)  
 6065 COLOMBIA R Super 0610 w/lively LA mx, ID's in SS (CP,HS)  
 6070 CLANDESTINE (TAIWAN?) News & Music Stn \*0830-0940\* M-Sa w/CC  
 nx, western & rel mx, jammed by "NC", no // fnd (BBy)Cf.9565 (Ed)  
 6070 THAILAND RT, Bangkok?, EE lang lesson 1000, Thai? tlk, pops (BBy)  
 6070 CANADA CFRX Toronto pops, ads 1145 (CP) mx 2223 (GB) 0155 (BCo)  
 1300 (SP) 0900 Sun when cland off (BBy)  
 6071 VENEZ R San Sebastian w/SS tunes, SS ID 0348 (DJ)  
 6075 W GERMANY DW w/"Daily Digest" 0151 (BCo)  
 6080 HONDURAS LV del Junco 1140 w/ranchera mx, TC's, "Sta Barb" (CP)  
 6080t RSFSR(As) R Komsomolsk 1143-1212 w/RR ID, nx, pops, lt mx (CP)  
 6080 ALGERIA RTVA 0600 w/anns over VoA (JDT) 2245 w/AA mx (CC)  
 6085 INDIA AIR Madras, gd w/Variety Px 1322, pips 1330 (SK)  
 6085t ZAIRE R Kisangani w/vocal & instr Af mx, FF tlk, FF mx (JDT)  
 6090 AUSTRALIA VLI6 Sydney, EE rock/pops, 1136-1201, ID (CP)  
 6090 LUX RL EE 0000-0202\* w/pops, nx, wx (KAS,RWP,BK,RD,GB,BCo,JA,SP)  
 6092 CAMBODIA Phnom-Penh Khmer mx 1140 (ECS) EE nx 1246, IS 1300 (SK)  
 6093a SOMALIA Mogadishu w/chants (JDT) 0304-0320 f/o  
 6100 AUSTRALIA RA in Cantonese 1135, singing, EE ID 1140 (FH)  
 6105 MEXICO XEQM R Yucatan, Merida, SS ID, TC's, waltzes \*1157 (CP)  
 6105 COLOMBIA R Vision w/SS ads, LA mx 1232 (AAM)  
 6115 BRAZIL R Tupi 2324 w/mx, ID's, v strong (JDT)  
 6115 CONGO RTVC exc in FF 0450 (CC)  
 6115 MEXICO XEUDS R Univ de Sonora 1850 w/clas mx, SS, vy gd (DJM)  
 6115 COLOMBIA LV del Llano w/ID 0400, mx, ex-6065 (CC) 0255 (JDT)  
 6120 SWITZERLAND SBC w/EE nx 0400, gd but QRM (JA)  
 6125 BELGIUM ORU FF/DD 2328-0049, EE 0050-0100\* //15235, NF ex-9550,  
 RF (revived fq) actually (JPR,HSt,JDT,AAM,CL)  
 6125 HONDURAS R Suyapa, RF, ID 0616, SS mx, s/off soon after (RBO)  
 6130 CANADA CHNX Halifax, 0945 w/ads, wx, mx (CC)  
 6135 S KOREA VoFK w/KK tlk 1552, KK HS now 0930-1730+, gd (BBy)  
 6140 SPAIN RNE EE/NA 0144\* (GB,TB) 6130 0319 (RK)  
 6140m MONACO TWR w/EE test xmission 0648-0653\* (JK,KAS)  
 6140 AUSTRALIA VLWG Perth w/old pops, EE ID 1200 (CP)  
 6144m NIGERIA NBC Calabar 0438-0507, rel svc, lt mx, Lagos nx off  
 0507 due to "Ionospheric difficulties" suggests off-air relay  
 (SK) 0634 EE ID (JK) Now, who's gonna log the feeder,hi (Ed)  
 6145 BRAZIL R Nac Rio, sports, lost under DW IS 2350 (MD)

- 6145 ALGERIA RTVA w/AA drama on NF(ex-unk) 2215 (LM)  
 6145 QUASI-CLANDESTINE (ALGERIA) VoLiberty in PP on NF // 11810,  
 6080,9510,9685 \*0015-0056\* Suns only (LM)  
 6145 W GERMANY DW EE/WCNA 0515 //6075,9545 (DJM)  
 6155 AUSTRIA ORF EE 0537 (JK) EE 0040 //9770 (JA) EE 0400 (CP) //(SK)  
 6155 SWAZILAND SR EE ID 0410 (RWP) TENT C&W mx 0410 (FH) UNID EE 0405  
 6160 CANADA CKZU Vancouver nx, wx, ID's 2145 (TJ) 2248 (AAM) 0945(SK)  
 6165 E GERMANY R Budapest (RBI relay) HH 0100, EE 0120 (HSt)0300(BK)  
 6165 SWITZERLAND SBC w/EE nx 2105, poor w/omni antenna (HS) //RWP)  
 6165 S VIETNAM VTVN w/sad As mx, flutes, solos 1055, SEA chants 1220  
 6170 MORROCO RTVM via VoA facilities w/chants 2256 (JDT) 0000 (MD)  
 6170 ISRAEL IBA 2114 w/pops, into N:E, fair to Eu (AAM)  
 6175 MALAYSIA RM w/prettly As vocals, good 1218 (RWP)  
 6176 CHINA Sian HS, good 1013 (SK) ID hrd? CC? (Ed)  
 6190 UNID JJ 0700-0800\* w/sports coverage, QRM, NHK HS? (BBy) I seem  
 to recall a recent study on JJ locals. Maybe HMA knows? (Ed)  
 6195 ENGLAND BBC FF/Eu -0729\*, ID (RBO)  
 6195 TUNISIA RTT w/ME mx 2240 (JDT) In AA w/chants 0504 (AAM)  
 6199 LAOS VoPathet Lao, lang tlks, SEA mx 1200 (RWP) W in Lao 1005  
 (SK) Ralplus, is lang Lao or VV 1145-1200? Rptd Lao,sked VV (Ed)  
 6200 ALBANIA R Tirana w/W talking, good (GB) EE (Ed)  
 6205 INT'L WATERS RNI EE pops 2315-0130 (RWP,BCo,RD,JA,AAM) 0515 (DJM)  
 6250 N KOREA KCBS KK HS II to S Korea 0930, 1210, weak (CC)  
 6302 N VIETNAM Tay Bac VV \*1000-1115\* & \*1200-1400\* //4750, not //  
 6376, VV tlks, mx, M&W ID's (BBy) //9875? (Ed) Where is Tay Bac?  
 (EB) Beats me, but Jensen got a verie indicating "Tay Bac" (Ed)  
 6383t MONGOLIA UBR HS II weak tik to NA 1210\* (BBy) Mongolian? (Ed)  
 6520 CHINA RP w/FF/Af on fq not list BBC MS (BBy) RP as of late  
 making many anncd & unanncd fq changes, more than in past (Ed)  
 6540 N KOREA KCBS 0930, 1215, weak (CC) Now 6580, cf 3015 (Ed)  
 6568v CHINA RP RR Svc 1055 w/ID (BBy) (LM)  
 6899% TURKEY VoMeteorology, Ankara, RF ex-6889%v, IS 0455, TT ID/mx/  
 6937 CHINA Kunming HS, good 1202 (SK) CC? (Ed)  
 6955 CHINA RP w/YL in CC 0900-1000, seems like NE China QTH, comment  
 (ECS) FS tx all over China fed by RCDSB & maybe AM tx, judging  
 from tx hrd & fqs list in BBC MS skeds (cf April LN-1). This  
 is a NF for CC FS to SEA \*0900-1000\*, was JJ \*0930-1530\* (Ed)  
 7065 ALBANIA R Tirana vy strong w/EE nx 0005 (MD)  
 7105m USSR RP&P IS 0030, then Creole (list), fair (LKM)  
 7106t THAILAND Thai TV Co, songs & thm mx, Thai? anns 1101, fair (DJ)  
 7110 MALI Bamako 0828 good sig (NM) Details, pse (Ed)  
 7115t THAILAND RT w/Thai songs to 1250 f/o (DJ) No, not logged (Ed)  
 7115 ZAIRE LV de Zaire fair 0030 w/Af mx, FF/vern anns (FH)  
 7120v ALBANIA R Peking (RT relay) 0145, review of wk's events (BR)  
 7120 ENGLAND BBC Eu Svc //9750 to 0600 (RBO) Presume EE (Ed)  
 7125 GUINEA R Conakry 0816 (NM) Details, pse (Ed) 0220 w/Af mx, ID,  
 EE px (AAM) A few details help others in IDing a stn, OM (Ed)  
 7130 TAIWAN BED 7 in KK 0955 fair (CC)  
 7135 MONACO R Monte Carlo FF HS, FF pops, ID by W 0539 (LM)  
 7140 INDONESIA RRI Ambon, fair sigs w/tlks in Indo (DJ) 1007  
 7145 AUSTRALIA RA 1712 w/EE nx, cmt, fair (CMD)  
 7150 USSR Sverdlovsk? w/CC 0950 (CC)  
 7155 JORDAN Amman w/AA mx, ARO QRM 2135 (MD)  
 7164% BLACK CLANDESTINE (USSR) R Sparks, CC ID, jammed, 0935% (LM)  
 7165 INDONESIA RRI Djajapura, loc Indo ID 0832, fair (BBy)  
 7170mv NEW CALEDONIA ORTF w/lt mx, FF anns, good 0940 (LKM)  
 7185 ENGLAND BBC EE/Eu, gd 0451 (TJ) 0550 w/cmt, fair (HS)

- 7185 AUSTRALIA RA EE w/US pops, PF (= poor-to-fair, Ed) 1122 (AAM)  
 7190 CHINA Chungyang JKT CC HS II 1005 //9020, NASWA list 7195 (LM)  
 7195 RUMANIA Bucharest w/EE/Eu to 2130, F (= Fair, Ed) (MD)  
 7200 USSR R Kiev w/EE ID 0430, nx, G (= Good, Ed) (KAS) (RBO, CC)  
 7210 SWITZERLAND ICRC test \*2300 w/SBC IS, Red Cx N:E (CL, FH) 0600/  
 7215 IVORY COAST Abidjan 0700 G (NM)  
 7216 BLACK CLANDESTINE (S VIETNAM) VoPat Mltmn Fnt VV //9430 1530(BBY)  
 7220 1/2 ALGERIA RTVA w/FF, W playing pops on NF when Tangier off 0616(LM)  
 7225 PHILIPPINES FEBC EE/SEA to 1230, then Malayan, G (TJ)  
 7225 RWANDA DW Kigali w/ID, EE nx 0500, PF (AAM) (Ed)  
 7225t SPANISH SAHARA \*0800 right into chants, no anns (CC) Was 7229 1/2  
 7230t JAPAN NSB w/mx box IS for 5', JJ \*2000 (BBY) New time? (Ed)  
 7240 IRAQ Baghdad w/AA mx 0320, ARO QRM (ENR) Tnx fr LR help Wed!(Ed)  
 7245 S VIETNAM B Px to Fcs, "lingo tlks", SEA mx 1100 (FH)  
 7250 ALGERIA RTVA \*0600, also 2225-0000\* in AA (CC)  
 7250 INDIA AIR Lucknow w/Ind singing 0606 P (CMD)  
 7255m NIGERIA VoN w/Af pops 0610 (RWP) IS 0553 (CC) EE (NM) Time? (Ed)  
 7270 POLAND PR 2230 w/EE/Eu (CL) EE/FF/Eu 0029 (JA) FF \*0600 (RWP)  
 7285 JAPAN NHK HS II w/JJ ID 0920, EE LL //690MW et al., F (BBY)  
 7290 MONACO TWR w/EE rel px 0730-0800 (MM)  
 7300v ALBANIA R Tirana w/W tlk, G 0155 (GB) Nx P 0433 (TJ) \*0430 Af(Ed)  
 7325 ENGLAND BBC WS 0020, ARO's (MD)  
 7335 1/2 CLANDESTINE (BULGARIA) VoTruth, Greek \*0430, \*0701, \*1930, \*2030(LM)  
 7339 CHINA Chungyang JKT CC HS II not list, //6345 to 1000\* (BBY)  
 7345 CZECH RP FF/Af \*2030, PP/LA 0025 (MD) EE 0146 (AAM) EE 0131 (BR)  
 7360 UNID M&W tlk in SS?, vy wk, flutter 2040 (MD) Peking? (Ed)  
 7404 1/2 ESPIONAGE (EAST GERMANY) DSD, Burg, "Delta Sierra" 2135 F (LM)  
 7480 LAOS VoPathet Lao 1300 w/tlks in lang, wk (DJ)  
 7500 AUSTRALIA VNG 0800 w/ID's ea 15' F (BMS) PSE, only ONE logging per line! (Ed)  
 7520 BLACK CLANDESTINE (USSR) Soldiers' R, CC s/on/off w/"Internat", ID's, tlks, jammed \*1045-1054\* (DJ, SK, LM) \*1215 (SK) Same stn(Ed)  
 7526 CHINA CPA fair 1229, RTTY, W in CC (SK)  
 8240 CHINA RP (presumed) w/"Internat" 1155 (BBY) NF (Ed)  
 8331v CLANDESTINE (RUMANIA) R Free Portugal, Cluj, PP, tone, IS, ID 2321 //9450v, 11508v, 12005v G (LM) A simple "CLANDESTINE" indicates a "white clandestine", i.e. one that is what it says it is, as opp to a black clandestine, which pretends to represent one side, but actually is run by the other side (Ed)  
 8600 QUASI-CLANDESTINE (LAOS) Radio of the Patriotic Neutralist Forces, 1352 w/M in Lao, anth 1403\*(prob NA, Ed) F (SK) Only jamming hrd 1155 (BBY) May have tx located in cave(s) (Ed)  
 8630 LIBYA Tripoli strong w/AA tlk, mx 2220 (MD) 2145 "Nix" (GS)  
 8660 CHINA RP EE RCDSD feeder, unlist BBC MS, \*1200 (BBY) To SEA?(Ed)  
 8777 CHINA Peihai 1130 w/W annr in CC, CC mx, atypical px (ECS)  
 8850 UNID 2333 pops, II lyrics, ID "Cosa, cosa, via Cariba Estacione...", Greek mx w/Greek lyrics, poor modulation (GS)  
 9009 ISRAEL IBA RR IS \*0359, NA 0415\* (CC) RR 1830 (MD) FF 2157 (GS) EE/Af \*2045, IS, //6170, 9625 (FH) //'s beamed to Eu (Ed)  
 9020 CHINA RP CC/Af, W annr 2010 (MD) Iran back on 12176v now (Ed)  
 9072 ESPIONAGE w/EE nos grps, tones 0410, G (SK)  
 9300 UNID 1900-2200\* irr w/pops, 5' cmtrys in EE abt Indochi lib(FH)  
 9360 SPAIN RNE 0215 w/SS tlks, SS mx (FH) Ditto, G 0040 (RD)  
 9390 CHINA RP SS/LA 1100, F (RWP)  
 9423 CLANDESTINE (CHINA) Vo the Thai People G 1505 (SK) P 1015 (LM)  
 9430v BLACK CLANDESTINE (S VIETNAM) Vothe Patriotic Militiamen's Fnt, M in VV, atypical VV mx 1017-1058\* (LM) Cf. 7216 (Ed)



- 9440 CHINA RM EE, 9940 in BBC MS sked s/b 9440, FF on 9940 (BBy)  
 9450 USSR RP 2230 in SS (CC)  
 9450a UNID ID 1932 in FF?, wk, QRM, QSB (JF) No, not Hanoi (Ed)  
 9470 USSR RM PP 2235, RP&P SS 0400 //9480, ID, nx (CC)  
 9475 ARE Cairo EE 0235 E (BR) EE G 0255 (JF) EE 0300 (KH) 0314 EE (JF)  
 9480 USSR RM FF 2240 (CC) Unlist, but Tirana FF/Eu list \*2230 (Ed)  
 9500 ALBANIA RT IS, RR ID 0400, then jammed (RBO) Interestingly, I don't think the Albanians do any jamming at all (Ed)  
 9502<sup>1/2</sup>v CLANDESTINE (BULGARIA) Our Radio, Turkish ID's \*0600 (EB,LM)  
 9505 JAPAN NHK 0810 w/EE nx (CC)  
 9505 CZECH RP 0735 w/EE nx (CC)  
 9505 DOM REP RTVD w/SS ID 0035, clas mx, wk (DJ)  
 9505 GUATEMALA TGNB 0300-0330 w/EE rel px (MM)  
 9510 VENEZ R. Barquisimeto 2340-0000 w/SS ID's, US pops G (DJM,JF)  
 9510t ALGERIA RTVA 0640 w/FF play, mx (BTH)  
 9515 UNID RR ID 0900 "Govorit..." (CC) Any jamming hrd? (Ed) LM  
 9520 PAPUA VLT9, Port Moresby, EE/Pidgin, pops, ID's 0700-0800\* (CC/JF)  
 9520 SPAIN RNE w/harp IS to \*2200 (BTH,DJM) SS 0415 (RHa) 0325 (JF) JF, do you have a WRTH-72? It lists the correct fqs (Ed)  
 9520 FRANCE ORTF in Polish mix RL/jammers 2015, FF mx, P (LM)  
 9525 JAPAN NHK w/EE nx to 0815, then JJ, G (JA)  
 9525 POLAND PR w/EE nx 2230, GE (good-to-excellent, Ed) (JA) \*0630  
 9525v CUBA RHC EE/WCNA on 9530 3/12 only, then back down 3/13 (RBO)//  
 9525 INDIA AIR Aligarh w/EE nx 2200 to RSA IS 2208 (RWP) G 2135 (GS)  
 9535 SWITZ SBC FF/SA P 0015 (DJM) GG 0200 E //6120,9570,11715 (TB,HS)t  
 9540 NEW ZEALAND RNZ P 0605 w/BBC nx, ID, mx, QRM (DJM)  
 9540 CZECH RP w/EE nx 0105, Listener's Club (BCo,GB)  
 9540 RSFSR(As) Petropavlovsk w/RM HS relay to 1930, then loc ID (DJM)  
 9540 POLAND PR w/EE/Eu //6135,2270 2230 (CL)  
 9550 NORWAY Oslo w/EE nx on "big dope bust" 0615 (RWP,JA)  
 9555 NETH ANT R Ned w/DD here one day only (3/7) 0405 (RBO) Odd(Ed)  
 9560 JAPAN NHK w/nx 1705, G (CMD) Rpts are cut apart w/scissors, so dittos, "see above", etc., are useless (Ed)  
 9562 PERU R Nac 1140 w/SS mx (CC)  
 9565v CLANDESTINE (TAIWAN?) Nx & Mx Stn, CC \*0900-1010v\*, jammed, NF ex-7155, s/on/off "New World Symp", FF (LM) Cf 6070 (Ed)  
 9570 AUSTRALIA RA EE \*0800 (JA) EE 0745\* (HS) mx, nx 1300 (GB)  
 9570 UNID As stn mix jammers 1038 burying RA (!), gone 1135 ck, P(BBy)  
 9570v NIGERIA RTV Kaduna w/Af pops 0605, F (RWP) 0540 soul mx, ad (CC)  
 9570 ROMANIA R Bucharest w/EE/NA 0200, 0300, het (CL,AEL)  
 9570 QATAR Doha exactly per WRTH, 23-note guit IS, 6 pips, Az'an, AA ID "Idha'at Qatar Min Al-Dawha", severe het (ECS,DH)  
 9570v CHILE R Portales G 0100 w/speech on economy (FH)  
 9575 GREENLAND GR before 1015 w/"vigorous hymns" Easter Sun (JC)  
 9575 ITALY RAI w/nx 0100 (BCo,BR) EE/NA (Ed)  
 9595 JAPAN NSB w/JJ 0815, tlk on Hokkaido, also JJ ID 1130, nx (CC)  
 9581 PHILIPPINES (out of order) VoPhil, Malolos, EE ID 0858 (BBy)  
 9600 BLACK CLANDESTINE (USSR) R Sparks, CC ID's \*0945-0951\*, \*0900-0906\*, off w/"Che ben shi Huohoa" (This is Sparks), no anth(SK,LM)  
 9600 UZBEK SSR Tashkent 1200-1230 w/EE/As, nx F (AEL,AAM)  
 9605 UNID w/vy wk KK tlk 0115 (BBy) 9605, right? VoEast T/T/Sa (Ed)  
 9610 AUSTRALIA VLW9 Perth 1230-1418 w/EE nx 1300, G (AEL,KAS,GB)  
 9611<sup>1/2</sup>t BRAZIL R Tupi w/PP anns, lively LA mx, QRM Perth, P (LM)  
 9615 MORROCO RTVM via VoA tx w/AA mx 2220 (CC)  
 9615 VATICAN VR w/EE rel nx 0050-0110 (KH)  
 9620 YUGOSLAVIA Belgrade w/nx, ID 2212, FF 2215 (GB)  
 9620 FRANCE ORTF w/EE "Paris Internationale" 2030, many //'s (CL)

- 9625 CANADA CBC EE/NA //11865 to 0152\*, new svc, E (LM)  
 9625 ISRAEL IBA EE 2045-2100 mx, tlk in EE (BTH,EH)  
 9635 COLOMBIA R Nac w/SS ID 0050, tlk, G (RD)  
 9640 S KOREA VoFK w/EE/SEA, unlist \*1200 (ATM, FH) Cf 15150v (Ed)  
 1330 JJ, 1400 RR, jammed, not R Free Russia (BBY)  
 9640 VATICAN VR EE 2129%\* (EH)  
 9650 GUINEA R Conakry w/FF tlk, chants 0400-0607\* //7125 (MD, RWP, JA)  
 9650 ENGLAND BBC CS/Eu G 1950 (RD)  
 9655 SYRIA R Damascus w/N:E, P 2033 (AAM)  
 9675 BRAZIL R Diario da Manha w/FP 1010 (CC)  
 9680 S AF RSA w/EE ID 0550, nx (RBO)  
 9680 CUBA RHC w/EE/Am 0230 mix RL/jammers (RBO) Cf 11815 (Ed)  
 9690 RUMANIA R Bucharest 0215 w/folk mx & art, G (BR)  
 9700 BULGARIA Sofia w/EE/NA, nx, mx 0400 (RK, TJ, DJM)  
 9705 MEXICO R Mexico, XERMX, w/GG ID 1525, mx (GB)  
 9705 S AF RSA w/EE ID 0111, clas mx (FH)  
 9715 USA WNYW w/mx fm NY 0140 (BCo)  
 9720 CEYLON CeBC w/EE ID, old pops \*0100, F (RWP)  
 9725 ETHIOPIA ETLF w/rel px in lang, EE ID 0359 mix jammers (RBO)  
 9730 E GERMANY RBI w/cnty 0135 (BCo) 0130 (BR) 0100 nx (SP)  
 9735 W GERMANY DW w/EE/NA \*0130-0248\* (BR, RK, PK, JRm, JF, BCo, GB)  
 GG/LA 0025-0040 (TJ, JF)  
 9745 ECUADOR HCJB w/EE/Pac, sermon, F 0748 (HS)  
 9750 ENGLAND BBC Eu Svc in langs to 0600, then Bulg jammed (RBO)  
 9750 TAHITI ORTF w/Tahitian talk 0409 //11825, 15170 (CL)  
 9755 SEYCHELLES FEBA w/N:E, ID 0215 (Hst)  
 9760 USSR R Vilnius w/N:E, sports \*2300-2300\* (GB, SP)  
 9770 AUSTRIA ORF 0030 w/E "Rpt fm Austria", P (JK)  
 9770 NETH ANT R Ned w/DD/Pac, sked 11785B (is vacant) \*0800 E (LM)  
 9775t SOLOMON IS SIBS for 1 min w/Hawaiian-type mx, M in EE, quick  
 f/o 1106 3/25, PF (AAM) Not noted by DX-ers in Pacific (Ed)  
 9775½ PAKISTAN RP w/EE/Eu, nx to 2006, nominally 9770, F (LM)  
 9775½ CLANDESTINE (BULGARIA) VoTruth, Greek G \*0510-0545\*, but het  
 Moscow to 0754\* & 1900\*, new sked since 4/1 (LM)  
 9780 ALBANIA R Peking (Tirana relay) \*0300-0355\* EE/NA, nx (Hst, RHa)  
 9780 ALBANIA R Tirana EE/NA \*0000-0030\* (Hst, JK, TJ) RR \*0200 (RBO)  
 9800 BLACK CLANDESTINE (S VIETNAM) Red Flag R 1347, M in SEA lang,  
 F (SK) ID hrd? Only lang is Viet (Ed)  
 9800 USSR (Tatar ASSR) Kazan list, 0235 w/pops, EE anns (PK) 0450(HS)  
 9805 ARE Cairo w/EE/Eu, nx, mx, cnty \*2200-2300\* (MM, GB)  
 9825 ENGLAND BBC in Urdu, nx, tlk, QSB (EH) 0110-0140 list (Ed)  
 9833 HUNGARY RB EE 0100-0130 (JRm, JF, BCo, SP) 0300-0330 (MM, RK)  
 9854 ENGLAND BBC WS RCUSB feeder (to Ascension?) G 0020-0245, NF  
 ex-12124, RTTY QRM (RWP, RBO, PK, LM)  
 9912 INDIA AIR Delhi 2200-2230 EE/Eu, PF (AEL) lang 0110 (PK)  
 9989v CAMBODIA VNUFK in Khmer w/IS \*1059, ID (SK) 1117 (DJ) 1100  
 //5000v, 7011½v, 10079, 1355-1432+ //5000v, 10079 (BBy)  
 9945a FRANCE ORTF w/SS \*0000, ID (RD) Something on 9950 0215 (Ed)  
 10000 HAWAII WVVH 0900 thru WWV, E (BMS)  
 10042v N VIETNAM VoV in EE 1530 (KH) KCBS (relay) EE 1228\* (DJ)  
 10080 CAMBODIA VNUFK in Khmer 1305, tlks by M&W (DJ)  
 10200 CUBA R Rebelde, 17 x 600, SS, distorted //11400 1005 (LM)  
 10530 KAZAKH SSR Alma Ata 0240 w/many songs in lang, G (DJ)  
 11324 INDONESIA R Angkatan Udara w/pops, Indo 1220 (DJ) 1220\* (MAF)  
 mx, G to 1320\* (GLD)  
 11336v ESPIONAGE (TAIWAN?) \*1115 w/martial mx, CC ID by YL, CC pops,  
 no grps by W, ID, off 1136\*, jammed, seems //10727v, but 5660 &  
 17040 quiet, not b'caster as once thought (VoLA#4) (BBY, LM)

- 11400 CUBA R Rebelde, 19x600 //10200, maybe //13200 (22x600), lost 1025, not //RHC SW outlets, impossible w/out PreSelector (LM)
- 11620 INDIA AIR GOS w/EE nx 2105, ID, cmt, wk (GLD) mx 1225 (GS)
- 11630 USSR RM RR HS w/opera, ID 1255, G (AAM)
- 11630 ARE Cairo w/FF/NA 0145 (MD) AA 2000 (JDT)
- 11675 CHINA RP w/II 1150 (CC) NF (Ed)
- 11685 CHINA RP w/N:E/NA \*1200 (AAM) Now //15095 (Ed)
- 11700 VATICAN VR IS, \*1710 w/N:E/Af, not 11705 as list (MD)
- 11705m NEW ZEALAND RNZ w/EE nx, stk rpt 1005, F (LKM)
- 11720m CHINA RP \*0930 w/N:E, cmt, G (LKM)
- 11725 VATICAN VR w/EE/NA 0050, nx, mx //9615 (RK,DJM)
- 11735t ETHIOPIA ETLF w/lt mx 0450 (CC)
- 11740 VATICAN VR w/EE/Pac 0730 (BTH) II 1528 (AAM)
- 11740 INDIA AIR w/N:E 2200, ID 2215 (RD)
- 11745 USSR RM w/EE/Af, ID, nx 0445, FF 0500 when HCJB off (RBO)
- 11745 GREENLAND GR \*1500 w/celeste, 6 words, then ORTF (TB)
- 11750 MALAYSIA BBC Tebaru w/football in EE 1515, F (AAM)
- 11760 CUBA RHC 0445 w/Viet Nam Diary (JRM) Faulty tx ruining 25M! (Ed)
- 11765 AUSTRALIA RA w/EE/Eu, nx, mx 0715 (RK)
- 11770 MEXICO XERMX, R Mexico, 1445-1512 w/EE ID's (BK,AAM) 0135 (JK)
- 11775 SPAIN RNE Noblejas, IS, \*2000, SS px (BTH)
- 11778y MOZAMBIQUE RCM w/EE mx, ads, "Breakfast Show", ID 0600 (RBO)
- 11780 NEW ZEALAND RNZ w/panel show, EE 0630-0700 (MM) Mx 0612 (BTH)
- 11785 SWITZ SBC SS 0510 (CMD)
- 11793 BLACK CLANDESTINE (USSR) Vo the Lib Army CC \*1030 (LM) \*1246 (DJ)
- 11793 INDONESIA Vo I w/IS, Indo ID 1800 (RBO) Just above cland (Ed)
- 11795 LIBYA Tripoli w/chants, clock strike 2045, ID, G (FH)
- 11800 CANARY IS RNE w/SS mx, G 0304 (JK)
- 11800v CEYLON CeBC 1232 w/Ind pops in Sinhalese, even on ptbl (GS)
- 11805 SWEDEN RS/ECNA 0115-0230\* //6175 on 30 kw test tx, QTH Grime-ton, is PTP tx by day, F, verie doesn't state site! (LM)
- 11810 VATICAN VR w/IS, EE ID 1505 then lang, NF (JK)
- 11810 ITALY RAI w/II/NA 0014 (AAM) Ditto 0200 (ENR)
- 11810 QUASI-CLANDESTINE (ALGERIA) VoLiberty, PP, under RAI 0016 (LM)
- 11810 INDIA AIR Delhi EE 1043 (JA) EE 1330 (AAM) EE 1345 (JK)
- 11815 POLAND PR w/EE 0230, into Polish, F (CMD)
- 11815 JAPAN NHK w/N:E 1400-1430 (Hst) EE 1700 (DJM)
- 11815 NETH ANT TWR w/EE rel px to 0130\*, F (JK)
- 11815 CUBA RHC EE/Am 0130 //9680, NF ex-11830, E (LM)
- 11820 NETH ANT TWR w/rel px 1106, F (TJ)
- 11820 GEORGIAN SSR RM Tbilisi w/IS, EE/Af \*1500 (CL) Strange IS, oriental flavor, then RM px (ECS) Site verified (CL)
- 11820 CHINA RP CC 0750 (CC) BBC MS lists no RP px from 0700-0830 (Ed)
- 11820 MEXICO XEBR 1800 G (CC) CMD
- 11825v TAHITI R Tahiti w/talk, IS, Tahitian & FF mx 0300-0435 (AAM,TB)
- 11825 TAIWAN BED69 \*0945 w/CC, G (ECS)
- 11829v CLANDESTINE (CHINA) VoMalayan Rev to 1232\* Tamil, ID, jamd (DJ)
- 11835 HAITI 4VEJ de 4VEH EE 1300 (KAS) 1430 (BK) 1130 (CC)0202\*(ENR)
- 11835 SUDAN Omdurman 0435 w/N:A (CC)
- 11845 KUWAIT RK EE/Eu on NF ex-11925 2000(CL) 1800-2100 (FH,AEL,CC)
- 11850 INDIA AIR \*1223 w/EE ID, wx, nx, E (DJ) Assume HS (Ed)
- 11850v GHANA Ejura 2000 w/EE/NA, nx (HS,KAS,SP),FH)
- 11855 SAUDI ARABIA Juddah w/EE, pops 1931 (AAM) FF \*0400 (CL,CC)
- 11860 ETHIOPIA ETLF w/EE ID 0525, drum IS, EE px (RBO)
- 11862v ZAIRE R Lubumbashi w/lang tlk by M to 1845\* w/ID, PF (AAM)
- 11865 BRAZIL RC Pernambuco w/PP ID 0420, maybe 24h now (CC)
- 11865 CANADA RCI EE/NA, new svc, \*0100-0152\* //9625, then DW (KH,LM)
- 11875 JAPAN NHK EE G 1115, YNN gone (CC,LM)



- 11880 TURKEY VoT, Ankara, \*0355-0500, "Ankara" oft hrd (PK)  
 11890 E GERMANY RBI EE 0330-0415 (KH,RH,TC)  
 11890 ETHIOPIA ETLF w/EE rel px, 0555 ID, P (JK)  
 11890 PHILIPPINES FEBC w/rel readings, hymns, in EE 0945 (JDT)  
 11895 SENEGAL Dakar w/FF 2220, QRM de jammers (CC) 1955(BTH)  
 11900 S AF RSA EE 0424 (RHA) EE 1950\* (SP) EE 0512\* (TJ) FF\*0600(JK)  
 11905 ITALY RAI in II w/concert mx to 1655\* (JDT)  
 11910 BELGIUM ORU FF 0540 (PK)  
 11910 HUNGARY RB EE nx, QRM de nearby FF stn 1930 (MD) Abidjan?(Ed)  
 11920 IVORY COAST Abidjan w/N:E 1900-1955 some days (ENR,JDT,AAM)  
 Usu FF 1839-2230 (PP,JRM,BTH) FF \*0600 (RBO,CC,RHA)  
 11920 FRANCE ORTF 0515 w/EE "Paris Calling Af" to 0545 //7160 (CC)  
 11920 PHILIPPINES FEBC 1202 w/"SW Mailbag", 1130 lang lessons (CC)  
 11925 BRAZIL R Bandeirantes w/LA mx 0933 (JDT)  
 11950 CUBA RHC w/SS/Am, cmt, F but QRM de Portugal 0208 (HS)  
 11935 S AF Springbok R, EE dedications, ads, ID 0730, G (LM)  
 11940 SINGAPORE RS w/N:E 1530 (KH)  
 11940 RUMANIA R. Bucharest w/N:E 0430 (LKM) EE 0130 (KH) EE 0206 (HS)  
 11950 LIBERIA ELWA \*0645 w/EE ID, rel px, BBC nx 0700 (AEL,RBO)  
 11950 SAUDI ARABIA Riyadh 0315 w/AA chants (CC)  
 11950 BRAZIL R Min da Educacao, Rio G 0015 w/clas orch mx, nice (DH)  
 11952 SEYCHELLES FEBA in Farsi \*1700, EE 1730-1800, NF ex-11950 and //15435 ex-15165 (CL,JDT) Like cat and mouse (Ed)  
 11955 CYPRUS BBC Limassol w/EE/Af 0205, nx, F (HS)  
 11965 BRAZIL R Record w/PP tlk 0215, F (MD)  
 11970 E GERMANY RBI EE 0110, QRM VoA (EH) Maybe QRM RSA? (Ed)  
 11975 GRENADA WIBS EE to 0211\*, QRM RSA (BTH,CC,MD)  
 11980 ARE Cairo w/comedy, usual chants 2300-0000, EE ID 2345 (HSt)  
 11992v UNID AA, RTVA?, wandering here, AA mx 2325,0715 (LM) Cf 11980  
 11995 USSR RM EE 2040, nx (EH)  
 12000 USSR RM Armavir? w/EE/Af 1940 (HS)  
 12005v CLANDESTINE (RUMANIA) R Free Portugal, Cluj, PP \*2320-2350\* // 8333v,9450v,11509v, \*0700-0730\* //14460v,14955v,15482v, RF (LM)  
 12012 COSTA RICA R Reloj 2x6006, SS ID 1230, QRM Moscow (LM)  
 12022v N VIETNAM KCBS (VoV relay) EE \*1200-1228\* //10042v, unstable(LM)  
 12060 USSR RM EE 1124 w/tlk abt astronomy (CC)  
 12080v CLANDESTINE (VENEZ) R Euzkadi F w/jamming 2130 in SS (FH)  
 12450 CHINA RP EE \*1200-1255\* //SEA fqs, not //ECNA fqs, F (LM)  
 13200t CUBA R Rebelde 22x600, cf 11400 (LM)  
 13203 N KOREA KCBS KK HS, 3x4401, mx & tlk 2200, pips //6599%,0245(BB)  
 13699% CHINA CPA w/"EIR" \*1500, 2 CC ID's by W, dict nx //16105 (LM)  
 14460v CLANDESTINE (RUMANIA) R Free Portugal PP \*0700, NF, undmod (LM)  
 14860 USSR(Eu) RM RR HS //11630 1015-1300\* F, but RTTY (LM)  
 14993v N VIETNAM VoV 1225-1630 w/VV tunes/tlks (DJ,RWP,LM)  
 14993v VIETNAM Liberation R \*1900-2100\* w/VV/FF/Eu, RF ex-7470? (LM)  
 15000 HAWAII WWWH 0445 w/YL anncr (CC)  
 15004 RSFSR(As) RKM, Irkutsk strong w/GW ID 1500 (FH) ID or "CQ"?(Ed)  
 15006v N VIETNAM VoV FS w/EE 2015 (MD) VV 1255\* (GS) EE \*1300 (RWP,DJ)  
 15049% BLACK CLANDESTINE (USSR) VoLib Army \*1115-1122\* CC ID's, jam(LM)  
 15080 INDIA Bombay w/Swahili/Af 1605, splash de Tehran, nx (PP)  
 15085 ARE Cairo PP 0000 (CC) SS 0203\* (JDT) It was UAR, then EAR (Ed)  
 15095 CHINA RP SS/LA, rev mx to 0256\* (MD)  
 15100a USSR R Yerevan 0328 w/EE cmt, (TJ)  
 15105 JAPAN NHK w/EE nx 0300,0400,0500 (JA,DC) 2010 (EH)  
 15110 NEW ZEALAND RNZ EE FS, ID 0545\* (LM)  
 15120 POLAND PR EE/NA 0200-0220, then Polish, QRM de HCJB (TC)  
 15120 NIGERIA VoN 1540-1640 w/EE nx (CC,RBO)  
 15120t NETHERLANDS RN w/EE chorals to 1730\* (JK) Madagascar test? (Ed)

- 15120v CEYLON CeBC w/EE \*0025-0049 (ER,AAM) 15118m 1553(JK)1700 (TC)  
 15130 INDIA AIR w/IS 0327, Hindi ID 0330 to E Af //17705 (CL)  
 15140t UZBEK SSR Bars of Uzbek NA? 0325, RM IS (ECS) RM 0437 (DC)  
 15145 AUSTRIA ORF w/IS 2359, GG ID (JA)  
 15145 BRAZIL RJ do Comercio w/PP anncr, f/o 0045 (MD) (LM)  
 15149v N KOREA KCBS EE FS \*1100,\*1200,\*1300,\*1400 (\*1200 new) (ER,RWP/  
 15150v CHILE R Corporacion SS "½ tlk/½ mx" 0020 (MD) 2330-0129(FH,RWP)  
 15150 USSR RM, Minsk, 1530\* in EE, then lang (RD)  
 15155 BRAZIL R Tupi w/PP ID 0007, strong (MD)  
 15160 AUSTRALIA RA w/EE/Pac 0700, G (BMS) Ditto 0450 (CMD)  
 15165 DENMARK RD w/IS \*1200, EE ann, then into Danish px (KAS,AEL)  
 EE ID 1915\* (JK) \*1800 (BTH) \*1400 (FH) \*2200 (ENR)  
 15165 UNID SS mx, then M&W 0442, Brazil? (DC) Maybe w/PP or LA mx (Ed)  
 15170 LIBERIA ELWA 2145 w/AA chants (CC) ID 2200 (GB)  
 15170v TAHITI R Tahiti \*0259-0340 w/Poly mx, Tahitian anns, G (AAM,  
 BTH,JDT,GLD) "Everybody's favorite" (AAM) Yup! (Ed)  
 15175 MEXICO XEW, LV de la Am Latina, NF ex-15160, SS ID 1825 (CC)  
 15180 ETHIOPIA ETLF w/IS 1329, EE rel px 1345, GE (KAS)  
 15185 NIGERIA VoN 0630 w/requests pgm, pops, strong (RWP)  
 15185 FINLAND OYA EE 1800-1830 G (KAS,BMS)  
 15185 CLANDESTINE (RUMANIA?) R Ind Spain Irr \*2005-2025\*,2130,RF(LM)  
 15190 CONGO RB 0515 w/"Paris Calling Af" in EE (CC)  
 15195 TURKEY VoT w/N:E \*2200 (CC,RBO,EH)  
 15200 USSR RP&P EE 1530-1600\* G (TC) RM EE/SEA \*1600, F (MD)  
 15210 AUSTRIA ORF \*1800 GG //15335 (BTH) Lang 1958 (RHs)  
 15210 VATICAN VR w/EE Good Fri Svc 1737 (AAM)  
 15216 TUNISIA RT w/N:A, ID 0623, RF ex-9595 (LM) \*0458-2330\* (BBCMS)  
 15225 UNID M&W, mx, SS or PP, not //15165, Melo? (DC) 0444  
 15230 USSR RM w/EE/Af 2055\* (FH)  
 15235m PHILIPPINES FEBC \*2330-2400\* in EE, ID, nx, F (LKM,TC)  
 15240 AUSTRALIA RA w/EE pops 0715 (JDT) 0500 (DC)  
 15245 ZAIRE R Kinshasa w/Af mx, FF? (AAM) FF 0300-0400 (CC,RWP)  
 15250 RUMANIA RB w/EE/Pac 0645-0712 (JA) EE/As 1525\* (RD)  
 15250 ETHIOPIA ETLF w/EE ID 0430, into AA w/QRM (JA) (DJM)  
 15260 MADAGASCAR RN w/IS, EE px \*1400-1445 (RHs,RWP,BTH,ER,LM,DJ,SK/  
 15265 AFGHANISTAN Kabul over Prague \*1800 w/N:E, mx, ID's (FH)  
 15265 CZECH RP w/Af-As Svc, EE 1800-1825\* (FH,JK)  
 15270 CUBA RHC SS 0029, G w/tlk (KAS)  
 15273 URUGUAY SODRE 2350-0040 w/clas mx, undermodulated (DH)  
 15275 W GERMANY DW EE/As \*2100-2200 (EH,SP) FF 0700 (JDT)  
 15290 ARGENTINA R El Mundo w/windy SS tlk 0020, QRM VoA (DJ)  
 15300 ECUADOR HCJB in FF w/mx, rel px 2017 (EH)  
 15305 SWITZ SEC w/EE/ME, into GG 1545, F (DJM)  
 15310 GUINEA R Conakry 0645 w/W Af chorals, martial mx, FF tlks (RWP)  
 15310 INDIA AIR HS w/EE/lang, nx, ID, IS 0130-0140 (LM) (CL)  
 15315 PHILIPPINES R Veritas 1129 in Indo, ID, EE pops to 1157 319 only  
 15335 AUSTRIA ORF \*1800 w/FF/LA, ID's in various langs (PK)  
 15335 INDIA AIR w/IS 1358 for GOS, P (RWP)  
 15335 S KOREA VoFK \*0300 in EE, NF ex-15430 (RBO)  
 15340 ITALY RAI w/PP tlk, IS, II ID, F 0130 (AAM)  
 15345v GRECE HNBI w/Grk mx/tlks, old unstable tx still, 2035, RF (LM)  
 15345 KUWAIT RK \*1557-1830\* w/EE pops (BTH,PP,GS,GB,RD,AAM,FH,RHs)  
 15345 NETH ANT TWR w/GG 0115, mx, strong (EH)  
 15355 VENEZ R Nac, Valencia, LA mx, SS ID by W 0126, GE (AAM)  
 15355 UNID AA chants 2015 (FH) Maybe Beirut back here again? (Ed)  
 15380 RWANDA DW \*2030, IS, ID, N:G (LKM)  
 15385 ETHIOPIA ETLF w/FF px, organ mx to 1955\*, G (AAM)

- 15405m AUSTRALIA RA w/pops 1015, EE anns, G, NF (LKM)  
 15410 RWANDA DW w/IS 0040, ID, N:G, O110\*, G (DJM,AAM)  
 15416 BRAZIL R Ribeiro, Preto w/fast PP sports, "Brazil" hrd 2356(DJ)  
 15425 AUSTRALIA VLV15 Perth w/"O Mein Papa", EE 0015-0056 (AAM,PH)  
 15425 CUBA RHC FF/EE/Eu \*1855-2045\* NF ex-15155, G (ER,LM,CC)  
 15440 PHILIPPINES FEBC, EE rel px 1320, G (RWP)  
 15449 BRAZIL R Nac Brasilia, seems 24h, PP 0500, 0820 (JA,LKM,CC)  
 0100 (AAM) 0035 (MD)  
 15480 USSR RM w/uninterrupted lt mx 0435 in RR (CC)  
 15500 COLOMBIA R Nac LSB feeder 2335 (ECS) To o'seas embassies? (Ed)  
 15505 USSR RM?w/RM IS 0459, ID 0500 as "Radiostansiya xxxxx" (CC)  
 15510 CHINA RP \*1300 w/EE/SEA, mx, cmtly (JDT)  
 15520v BANGLADESH Cf 17910 (Ed)  
 15789% CLANDESTINE (CHINA) VoMalayan Rev, CC 1140 over jammer "NI",  
 Tamil to new 1230\*, then Malay at new \*1245 //11829v (LM)  
 15879% CHINA RP CC/Taiwan 0850 F, not list BBC MS sked (LM)  
 15985 MALI Bamako //5995 "same date and time", NF (NM) Ex-12145v?  
 Any ideas what Mali FF HS is doing irr on these odd fqs?? (Ed)  
 16105 CHINA CPA, Peking, "EIR", CC ID's \*1100,\*1500, dict nx (LM)  
 17695 ENGLAND BBC w/Somali/Af \*1415 (CC)  
 17697% CANAL ZONE (PANAMA) NBA, CW 1809 (BTH) 2255 (LKM) 1813 (RHs)  
 17715 CUBA RHC w/EE/LA, RF ex-15270 //15285 to 2143\*, G (LM)  
 17735 CUBA RHC w/FF on NF ex-15190 //17855 ex-17885 to 2149\* (LM)  
 Cuban sambah! & SS ID 1948, E (AAM) Tnx Arthur Murray, hi (Ed)  
 17750 SPAIN R Liberty, RR dial, IS 1830, jammed, "1st time ID'ed  
 thru jamming" (BBy) Cland CIA funding terminated, Bob (Ed)  
 17800 VATICAN VR w/N:E/Af 1625 (TB) AA/Af \*1650 (DJM)  
 17810 NETH ANT RN w/N:D/Af 2000, G (AAM)  
 17825 JAPAN NHK w/EE "One in 100 million" 0017 (AAM)  
 17840 VENEZ R Nac de Ven w/ID 1801, test new 50 kw tx (GS) New? I  
 thot the recent RNV FS tests were via reactivated old tx (Ed)  
 17880 JAPAN NHK w/Gen Svc/As, G 0110 (DJM)  
 17910 GHANA RG w/EE/Af on RF ex-list 21545, 1412-1529\* G (AAM,LM)  
 17910v BANGLADESH RB EE FS \*1230 F on NF ex-15520v, nx by M (LM)  
 17920t ARE Cairo FF? 1805 (BTH) If so, must be new (Ed)  
 17920 ARE Cairo w/YL in EE, mx, PF 1405 (AAM)  
 19000 USSR RM RR HS 2x9500 0643, fund under Tirana (BBy)  
 21540 E GERMANY RBI w/N:E, ID by W 1537, PF (AAM)  
 21570 NETHERLANDS RN w/EE ID 1940 (DJM) N:D G 1710 (AAM)  
 21580 FRANCE ORTF Allouis w/FF peppy songs, FF anns, G 1721 (AAM)  
 21585 SWITZ SBC w/EE ID \*1515 (SP)  
 21640 JAPAN NHK w/mx 0200, cmtly, nx 0220, ID (JRm) EE/WCNA (Ed)  
 21655 NORWAY RN w/EE Sun only 1600-1630\* FP (JFR)  
 21675 FRANCE ORTF w/FF cmtly (JRm) 1930-1945  
 21685 KUWAIT RK AA \*1300 to abrupt 1530\* (CL)  
 21705 MEXICO XERMx is off again (Ed) (AAM)  
 21730 NORWAY RN w/EE 1630\* Suns only (Hst) Norwegian w/marches 1742/  
 21740 AUSTRALIA RA w/EE/Af 0430-0500 f/o (FH) EE/WCNA 0115 (BR) EE ID  
 0200, rel px, DX px 0215-0225, mx //15320 (JRm)  
 21760 GUAM NPN w/SSB time ticks (tones) 2355, G (LKM)  
 23500 AUSTRALIA RA, 2x11790, Indo/SEA, "Waltzing Matilda" to 0030\*(BBy)  
 23640 USSR RM, 2x11820, CC 0627, RM IS, weak (BBy)  
 23650 TAIWAN BED69 2x11825 w/CC //15125 et al, QRM de another harm  
 0615, "strongest harm log today" (BBy) Will it make WCNA? (Ed)  
 23860 OKINAWA VoA, 2x11930, CC 2345, weak (BBy)  
 24240 USSR Mayak RR HS, maybe 4x6060, maybe 2x12120 but never logged  
 Soviet stn there, 0600 (BBy) Mayak jammers for RP 12120v? (Ed)



25730 NORWAY RN w/N:E 1812 Sun only, G (AAM)  
 25790 S AF RSA 1450 w/panel show in EE, G (AAM) N:E 1500 G (GB)

Fine turnout, ladies and gents! May's 21-gun salute goes to...

AAM Albert A. Miller, Jr, OH/HRO500	Hst Howard Stevens, MI/DX150A
AEL A.E. Linsenmeyer, IL/SW4A	JA John Alcock, FL/SX43
BBy Bob Bundy, C'line Is/R530	JC John Campbell, TX/51S1
BCo Bill Coleman, NC/DX150A	JDT J.D. Tuchscherer, WI/HQ100A
BK Bob Kelleher, NY/HA600	JF Julius Fazekas III, NY/RAO3
BMS Brooks Sweeney, OH/S120	JK John Kolb, CA/SPR4
BR Bob Riter, WV/Grundig T700	JPR James P. Ronda, OH/RF500
BTH Brent Hailpern, CO/SPR4	JRm Jerry Reichman, IL
CC Charles Conner, IA/SW4A	KAS Karl A. Schubert, MD/SX25
CL Chris Lobdell, MA/SW4A	KH Ken Hunt, CA/Zenith Toceanic
CMD Chris Drake, BC/SW4A, Ed960	LM Larry Magne, PA/R4B
CP C."Pat" Patterson, GA/SX99	LKM Larry K. Marshall, CA/SX190
DC David Coursey, TX/DX150A	MAF Marlin Field, MI/SX100
DH Dan Henderson, MD/HQ180A	MD Mark Duba, VT/SX190, S76
DJ Dan Jamison, VA/SW4, R390	MM Mrs. Mildred Marshall, ND/SX122
DJM Doug McClellan, NM/GR64	NM Nelson Mayne, OH
EB Ernie Behr, Ont/NC400	PK Price Kagey, CA/SB310, A2515
ECS Ed Shaw, VA/SX190	PP Paul Petersky, WA/NC183D
EH Eric Herson, OH/SX110	RBO Richard Odlin II, WA/R4B
ER Evan Rosen, NY/SX133	RD Richard d'Angelo, NY
ENR Ed Ricchezza, PA/SW4A	RHa Rob Harrington, CO/SW4A
EU Errol Urbelis, NY	RK Robert Koziomkowski, NY/DX150
PH Fred Heutte, Jr, DC/51J4	RWP "Ralphus" Perry, IL/S85, GD125
GB Gordon Brill, WI/S120	SK Steve Kamp, CA/HQ140X
GH Glenn Hauser, TX/HQ160	SP Steve Putterman, PA/S120
GLD Gerry Dexter, WI/HQ180, R4B	FB Tom Blossom, IN/2B
GS George Schnabel, NY	TC Tom Carey, CA/2B
HMa Hiroatsu Matsuura, Japan	TJ Tom Jeffrey, OR/HQ100A
HS Harold Sellers, Ont/9R59D	

Jerry Berg, who so ably edited this column for some time, has found it necessary to devote his time to more pressing matters. I'm sure I speak for the entire membership in saying a warm "Thanks" to Jerry for his fine efforts. I'm sure he will continue to be active, though, as a contributor, as I hope each of you will when you have some information to pass on.

All contributions are welcomed, in the Log Room format or in any other generally recognized format: the information is what counts. Specifically, each logging should contain the following: frequency to the nearest 5 kHz (indicate "a" for approx. if not); country (preferably from the NASWA country list, free for an SASE from HQ); station name; time in GMT (s/on & s/off if heard); language (if unrecognizable "lang", if inaudible "unintelligible"); program details; "NF" if fq is brand new, "RF" if fq is simply reactivated; and your initials as they appear below (or your 3 initials if you are reporting for the first time). Loggings should not be over 6 weeks old.

Please use ONE SIDE of the paper only and double-space between items, as each logging is cut out for mounting.

Some basic abbreviations: \*0100 s/on, 0100\* s/off, nx news, wx weather, px program(s), EGFP exc-good-fair-poor, NA nat'l anthem or North America, EIR "The East Is Red", rel religious, tx transmitter, M man, W woman, EE English.

Deadline: May 12. 73, Larry

## FLASHSHEET

FREQ: KCS

TIME: GMT

AL KIRLACK, EDITOR; 420 Shelby Street, Vincennes, Indiana 47591....DEADLINE 20-TH

- AFGHANISTAN** R. Afghanistan in EE with mx, entry and mx at 1800 on 15265, amazing //11735. Only fair lvl. (Ed Insinger, W. J.)
- ANGOLA** 11875 Emissa Official big lvl with S/en 1500, EE ID, amazing //9535; FF at 1545 to 1615, then into PP. Test?? New hipower xmitter?? 4/13. (August Balbi, Calif.)
- BANGLADESH** RB is using 17910 (replacing former 15520) from 11 April for Oases Svc 1250-1300, and H.S. prior to that. (Hiroatsu Matsumura, Japan)...RB in EE with news 0145 on 15520. QRM free, fair to good nightly. (Ed Insinger) (15520)...Noted 1159-1230 in H.S., EE mx, sent report, 15520. (Bill Whitacre, Mich.)...Dacca good with newcast in Bengali, 15520, 0100. (Fred Heutte, Washington, D.C.)...15525 This one in EE 1250-1300, letterbox music. (Scott McGregor, Mo.)...Overseas Svc of Bangladesh on 15516, 4/10. (Grady Ferguson, S.C.)...M. Habibullah, IE, advised QSL Cards are now printed and invites reception reports to: Directorate General, R. Bangladesh, 335-Sagunbagicha, Dacca -2, Bangladesh. Suggests G03, presumably in EE. (Al Sizer, Conn.)
- BELGIUM** Brussels back on 6125 fxy 0050-0100 EE //15235, good lvl. (Bill Berghammer, N.Y.)
- CANADA** CKZE, St. Johns, NF, 300 watts, 0932-0945, 6160, WR and mx, QRM (Steve Kamp, CHAD 4904 Ft. Lamy till 2301 S/off, FF on Saturday. (Bill Whitacre) / Calif.)
- CHINA** Kuning, 6937, noted in H.S. at 1202, strong lvl. (Steve Kamp)...5162 RP 1130-1200 in FF to SEA. (Bill Berghammer)...45220; 5 RP 1130-1200 in Vietnamese, 23522. (Bill Berghammer)
- COLOMBIA** 6040 LV del Tolima heard well 0250, latex, in SS entry. (Fred Heutte)
- ECUADOR** 4885 LV Esmeraldas, nice at 0240, entry; SS ID at 0245. (Fred Heutte)
- FINLAND** Finnish broadcasts recently armed as kW in the 13 MB, seem to have solidified into daily tests with much greater pow, fine lvl 21595; EE, 21603, 1800. (Al Sizer)
- GERMANY** (W) Suddeutscher Rundfunk, Muhlacker, 6030, is being noted with fair to good signals, GG pops at 0435, slight adjacent channel QRM. (Bruce Churchill, Calif.)... 11795 DW in GG 0700-0910, vry powerful lvl, could be the new 500kw job. (August Balbi)
- GUYANA** R. Demerara, 3265, C&W at 1040, EE OM IDs, TC, fair lvl. (Ralph Perry, Ill.)
- INDONESIA** 3385 RRI station at Kupang (Timor) currently heard with fair sigs, fading by about 1440. Power probably higher than listed 500 watts. (Bruce Churchill)...Logged various times around 1300, tentative IDs Medan, 4765, since Aug '71 (Dave Williams, HONDURAS(B) 3300 Definitely RB back, EE music, ads, 0400. (Scott McGregor) / Ore.)
- INDIA** AIR with "Variety" prgm from Madras on 6085, at 1322. (Steve Kamp)...AIR, 11620, at 2000, OM with EE mx //9912, both good lvl. (Ed Shaw, Va.)...7225 AIR Nepali Svc S/en 0130, //6170 not hrd...11850 AIR 0245-0300 EE H.S. mx //15310 (Both items, Bill Berghammer)
- IVORY COAST** 11920 Ext Svc from Abidjan, in EE at 1900, fair lvl. (Ed Insinger) / ex)
- KHMER REP** R. Phnom Penh, with EE mx 1246-1259, 6092. Strong lvl but mx read at high pitch, making readability problems. (Steve Kamp)...4907 Heard here 1437-1446, native, Khmer accents, lots of UTE around fxy. (Dave Williams)
- KOREA** (N) 4401 R. Pyongyang, in KK, heard strongly at local evening/night time. Mostly revolutionary yak. (Hiroatsu Matsumura)...Pyongyang, 16320, SS to LA, a real exp-blast-er at 2500, ID as "Radio Central de la Republica Democratica Populara de Corea" (Ralph Perry)
- KOREA** (S) 9640 VOFK, IS and ID, 1157, S/en EE, vry nice. (Ralph Perry)... / Perry)
- 15335 VOFK, EE mx 0300, 0630, and 0900, new moved in fxy. (August Balbi)
- KUWAIT** 15345 KK with pops from 1750, EE, no strain no pain, lvl. (Ralph Perry)
- LIBERIA** 3255 ELBC noted 2336, religious and panel prgming. (Bill Whitacre)...ELBC, 3255, at 2330 with EE mx, mx. (Fred Heutte)...ELWA, 11940, 2030, still good lvl, religious prgming, mx in EE. (Ed Insinger)
- MADAGASCAR** RF "M" Relay tested 15220 from 2000-2120 in Dutch, early April (August Balbi)... M Relay weak at S/en at 1559 on 15260. Gene by 1401. (Steve Kamp)
- MALAYSIA** Kota Kinabalu being heard on three fxy, 4970, 7180, 7240 //s, all fair to good reception with EE Kuala Lumpur mx feed 1100-1110, local 1110-1120 (Bob Dundy, Care- MALDIVES (FLASH) QSL letter received from R. Maldives, for 4740. Accora- / line Is.) ing to prgm asked, heard from 1500 S/en on 4740 till 1730 S/off. (Hiroatsu Matsumura)

- PLEASE TURN OVER -



NEW ZEALAND RNZ observed with excellent signals on 11700, 0800-0845 (Scott McGregor)  
NIGERIA 7230V Definitely ECSEBS here in a fcy switch, from 0500 S/on, S9 lvl, with  
 EE YL ID. Probably same xmitter used before varying 7300-7305. (Ralph Perry)  
PAKISTAN (T)9775 No ID hrd, apparent ID 2100, then Pakistani mx at 2105. Possibly  
 their Foreign Svc to Europe. Needs more checking. (Ed Shaw)  
PAPUA/NG ALL stations were hrd past 1500 on election night. Kerema, 3245; and Madang,  
 3260, were hrd past 1800. (Robert Bundy) 2450 (T) Mt. Hagen heard with native sing-  
 ing, Pidgin accents 1149-1151, weak copy lvl. (Dave Williams)  
PHILIPPINES 3345 FPEC DZBZ heard 1419-1430 S/off, with EE religious prgms. (Dave  
 Williams)...FPEC S/on in FF, 0815, on 11890//15385//15300. (August Balbi)  
POLAND 6135 R. Warsaw, IS 0359 and into FF language. (Ralph Perry)  
QATAR Finally!! Patience pays as Beba heard well under Bucharest 0230 S/on, 9570.  
 (Ralph Perry) (All good BX things come to him who waits, Editor)  
REUNION IS St. Denis QSLed in 20 days for 2446, pwr 4kW, signed by M. Sonntag. I must  
 admit, I kinda like this one. (Al Niblack, Ind.)  
RWANDA R. Diffusion de la Republique Rwandaise, 6055, heard S-4/5 signals though hvy  
 QRM de Havana 6060. IS 0340, S/on 0345. Following night were solid copy (Bruce Churchill)  
SARAWAK 4950 RMS super lvl with OM EE mx, talk, 1108. (Ralph Perry)  
SEYCHELLES FEBA noted to M.E. 1745, on armed 11952 //15435 to 1800, gud lvl. (Ed Inasing-  
 er)...FEBA on new 15265 in EE to 1645 S/off. Also on new 15435 //11955, fine lvl on  
 first mentioned 15265. (August Balbi)  
SIERRA LEONE 5980 Freetown noted 0807 in Vermaular, GOOD signals. (Bill Whitacre)  
SINGAPORE 5052 R. Singapura with vocals 1120, best heard in a long time. (Ed Shaw)  
SWAZILAND (FLASHES) Very proper QSL received from Miss Barbara Christiansen for Swazi  
 R, 6155, QTH of: "Swaziland Commercial Radio", Box 23022, Joubert Park, Johannesburg,  
 S.A. (Ralph Perry)...QSLs received for Swazi R signed by Miss Barbara Christiansen for  
 6155. (Ger Dexter; Don Jensen, Wisc.)...Swazi R QSLed from Kansas City, Mo., signed  
 by Mark Wodlinger, President of Swaziland Commercial Radio (Pty.) Ltd. (Al Niblack)  
TAHITI Papeete nov 8/off 0700, 1 hour earlier on 15170 //11825 //6135. (August Balbi)  
 ...15170 Radio Tahiti logged with EE-FF languages prgm with M&W annors, with an ID  
 at beginning of prgm, at 0230. Good lvl and have written for QSL. (Kimer Jolmsen, Fla.)  
THAILAND Ministry of Education, Bangkok, 3202, now hrd sandwiched btwn PIA 3200,  
 and RRI Bandung 3205, with usual EE ID and anthem 1400, //6060. (Bruce Churchill)  
USSR (RADZHLK SSR) Dushanbe (only Russian listed here) heard at good lvl in RM prgm  
 on 11990, 1030-1100. Is // Amavir on 12000, but S/off 1100, Amavir continues (Al Sin-  
 VENEZUELA R. Universe, 4880, noted 0218 overriding R. Commercial on 4881; / er)  
 this is an unusual phenomenon. (Fred Heutte)  
VIETNAM (N) Hanoi, 15005V, in language 1500, 1600 and 2100; FF 1830 and 2030; EE at  
 2000. Also, EE at 1000 and 1530 on 12020 //10040, both good daily. (August Balbi)  
VIETNAM (S) Saigon powering in here mornings 1100, 7245, in VV and music. (Al Sizer)  
 ...6165 Also VVWV well heard on this fcy from 1155-1205 check in VV. (Bill Whitacre)  
ZAIRE 11719.1 Kinshasha noted at 1830, before CBC carrier S/on hlets out. (Bill Berg-  
 UNIDENTIFIED 6100 Who is here, 2230-2300 with chants, EE news 2300-2305 / hammer  
 S/off, v/ weak lvl (John Tuchscherer, Wisc.) (V/ likely a Nigerian outlet in a move,  
CLANDESTINE VNUFK noted on 4999.25 at 1135 through extreme QRM de WVVH, / Editor)  
 WV, JYJ, so watch it Nepal assumers, Hl. Kathmandu definitely logged from my  
 previous Australia QTH, though. (Bob Bundy)...11695 Paky Iran noted good lvl at  
 1633 in language. (Bill Whitacre)...On 9600, Radio Red Flag, a CIA-run operation  
 somewhere in the Southeast Asian quagmire, noted at 1347. Weak lvl, mashing around  
 in the noise...On 9600, Radio Sparks, noted regularly S/on 0945 and off 0951. One  
 check it was quite strong lvl. (Credit both to Steve Kamp)  
SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 4-6-72 for MARCH 1972: 1-74,  
 2-89, 3-96, 4-84, 5-72, 6-64, 7-74, 8-84, 9-81, 10-81 11-68, 12-80, 13-91, 14-104,  
 15-114, 16-104, 17-114, 18-110, 19-112, 20-113, 21-110, 22-113, 23-119, 24-119, 25-  
 112, 26-55, 27-34, 28-25, 29-29, 30-42, 31-37 MEAN-84.0

PREDICTED: APRIL-55, MAY-55, JUNE-51, JULY-49, AUGUST-47, SEPTEMBER-45 (Grady Fer-

ACKNOWLEDGMENT: Thanks as ever, to the faithful and to the newcomers who / gason)  
 supply the material monthly to make this column possible. Each contributor is appre-  
 ciated. Technical questions may be addressed to this QTH, just include an SASE. Last  
 minute flashes may be phoned to 882-3976 after 2200 GMT.

A big and welcome hand to Larry Magne who is now taking over as Editor of FRENCH  
 Leggings Report section. Come aboard, Larry.....



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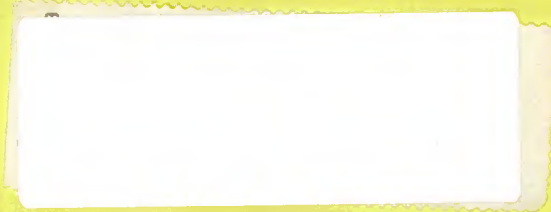
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