



"THE SWEC JOURNAL" OFFICIAL PUBLICATION OF THE

NORTH AMERICAN SHORTWAVE ASSOCIATION

SEPTEMBER '71

VOL. X NO. 9

NASWA HEADQUARTERS

POST OFFICE BOX 989

ALTOONA, PA. 16603 USA

NOTES AND NOTICES

This is the last edition of FrenDX to contain NewsRoom section. Under the editorship of a number of members during the past nine years, it somehow never did get the best support to allow it being one of the better accepted, although every of the editors gave valiant effort. To Tony Marks and Hank Michalenka who worked at it the past year or so, our gratitude and humble thanks; Appreciation also to those few members who reported/supported regularly. It be our hope that they and others will continue to report and support the new column/section "Listeners Digest" which will begin next month under the editorship of former LR editor, Dan Ferguson, who plans to have, not only news items, but also special short features, project info/data and added material for both the SWL and DXer. Your support is solicited! Write Dan Ferguson, 1521 Smith Rd., Apt.7, Charleston, W.Va. 25314.....A significant new project was set up at recent ANARC convention to help prospective new hobbyists. Al Sizer, NASWA member, heads the project and 18 others have already volunteered to be area representatives. Gilfer Associates has offered to forward names of customers who ask for info on clubs. Al will contact nearest area rep who will then try to help the interested individuals. Other volunteers are urgently needed, especially in the southern states and those west of the Mississippi. If you would like to help, contact Al Sizer, 22 Country Way, North Haven, Conn. 06473.....NASWA member, Alan Thompson, co-founder of the British Association of DXers (BADX) which issues 'Bandspread' bulletin, informs us that this is designed to reflect the European DX scene and that membership is restricted to British and European DXers, apart from a chain of monitors throughout the world. Furthermore, BADX restricts membership to 50 at any one given time in the interests of administrative efficiency and speed of bulletin production. Regretfully BADXs' chain of North American monitors is complete and no applications for membership can be accepted from outside Europe at present time.....Gilfer Associates Inc., Park Ridge, N.J., has officially requested we give notice that "Todd S. Graves is not an agent of this corporation. Gilfer has never authorized representation of any of its products/services through either 'SWL Guide' or one Todd S. Graves." (It would seem Mr. Graves has informed customer(s) that he is sales agent for Gilfer. One customer in particular, even after three phone calls and two follow-up letters to Graves, has been unable to get refund for order never received. Said customer plans legal action against Gilfer who is in no way responsible. Gilfer therefore plans legal action against Graves. This is indeed a bad/sad situation and NASWA cautions all members to be alert about ordering equipment, supplies, etc., from any source that is 'questionable'.....We heartily welcome the new batch of 31 (count 'em!) new members joining us this month. Hello all!

NEW MEMBERS, WELCOME!!!

*Connie Damewood, New Castle, Virginia. Via Communications World.
 *Glenn Birman, Lansing, Michigan. Via FE Communications Handbook.
 *Keith Kwiecien, Las Vegas, Nevada. Via FE Communications Handbook.
 *Ken Lazear, Columbus, Ohio. Via Communications World.
 *Paul Kinnaly Jr., FPO San Francisco. Via American SWL Club/ASWLC.
 *Mike Nikolich, Wheeling, Illinois. Via Communications World.
 *Charles Urschel Jr., San Antonio, Texas. Via Radio Nederland.
 *Paul Petersky, Bellevue, Washington. Via Newark News Radio Club/NNRC.
 Don Erickson, Riverside, California. Via members Walt Breville & Mike Daniels.
 *Eric Draut, Wheeling, Illinois. Via Communications World.
 *Daniel Troth, Herkimer, New York. Via Communications World.
 *Tobias Feuer, Bayside, New York. Via FE Communications Handbook.
 Christopher Milly, Potomac, Maryland. Via FE Communications Handbook.
 *Shirley D. Isaac, Columbus, Ohio. Via FE Communications Handbook.
 *Douglas H. Perry, Essex, England. Via SWC Editor/Bill Matthews.
 *Paul Mayo, Brooklyn, New York. Via NASWA Headquarters.
 *Jim Zabransky Jr., Elmhurst, Illinois. Via Communications World.
 *Gregory Gart, Detroit, Michigan. Via member Harold Stevens.
 *Douglass Souigny, Ponca City, Oklahoma. Via member Glenn Hauser.
 *Ronald MacLeod, Erie, Pennsylvania. Via Communications World.
 *Floyd Walker, Fort Wayne, Indiana. Via Communications World.
 *Roger Oberman, Barre, Vermont. Via Communications World.
 *Frank Testa, Brockton, Massachusetts. Via 'BAD' meeting.
 *Francis Hartle, Oil City, Pennsylvania. Via FE Communications Handbook.
 *W. Alan Benson, Edwardsville, Illinois. Via FE Communications Handbook.
 *Bruce A. Boomer, Nutter Fort, W.Va. Via 1971 ANARC Convention.
 *John Alcock, St. Petersburg, Florida. Via Communications World.
 *Jim Gallucci, Portland, Oregon. Via NASWA Headquarters.

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*Doug McClellan, Alamogordo, New Mexico. Via American SWL Club/ASWLC.
 *J. Hoyt Priscock, Cincinnati, Ohio. Via Communications World.
 *William Simkins Jr., Troy, New York. Via FE Communications Handbook.

RENEWALS

Second year: Donald Carlson, A.E. Martin, Bob Baesmann Jr., Mike Watman, Andy Kerr, Pauline Lynon, Kent Leonard, Larry Magne.
 Third year: Tom Blossom, Ton Neely.
 Fourth year: Bill Higgs, G. Alan Hickrod, Curt Wastradowski, Bob Estand, Jim McBride.
 Sixth year: Jerry Stuart, Alan Jeeves, Wendel Craighead.
 Seventh year: Bert Pestor.
 Ninth year: Gerry L. Dexter

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

HELPING HAND SERVICE

Wanted: Copies of Frendx, January '71 through May '71. Will pay postage plus 25¢ each. Mike Hardester, 401 Birchwood Court, Modesto, California 95350.
 Wanted: Contact with other DXers in/near my area. Write Mark Konen, 11819 North Country Lane, Mequon, Wisc. 53092.
 Wanted: Copy of April '71 Frendx. Write Pauline Eynon, RR#1, North Palmyra Road, Canfield, Ohio 44406.
 Wanted: Tapesponders, reel or cassette. Contact Bill Coleman, P.O. Box 2752, Raleigh North Carolina 27602.
 Wanted: Contact with DXers who use/have Heathkit GD-125 Q multiplier. Write Ralph Perry, 301 E. Chalmers, Univ. Of Illinois, Champaign, Illinois 61820.
 Wanted: Mail from DXers/SWLs in/around my area who are interested in 'DX togethers' and local/semi-local meetings. Write Dan Ferguson, 1521 Smith Road, Apt. 7, Charleston, West Virginia 25314.
 For sale: Hallicrafters SX-122 receiver. Recently factory reconditioned, now in excellent shape..like new. Write Mario A. Petrone, 434 S. Euclid Avenue, Apt. 3-E, Oak Park, Illinois 60302.

NOTICE

Due to certain 'bugs' we will not be able to offer tapes recorded at '71 ANARC convention. We will however, have transcripts made of certain speeches and they will be contained in future bulletins.

FUNTEST



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2



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8

* * * * *

Each of the above represent a certain/particular SWBC station or special program. How many can you match? Below are given a number of choices, but only of them, eight are correct. Write the numbers one through eight and put the corresponding letter (that which you think matches/correct) next to them. Submit entries no later than October 30th...mail to: NASWA FUNTEST, P.O.Box 989, Altoona, Pa. 16603. No entry fee required. Only one entry permitted per member. No prizes will be awarded! This is a 'funtest', not a contest.

- A - Radio Australia
- B - WINB
- C - Voice of the West
- D - BBC
- E - DX JukeBox
- F - RAI
- G - VOA

- H - Radio Tasadays
- I - WWVH
- J - Radio Denmark
- K - HCJB
- L - Radio Warsaw
- M - Radio Moscow
- N - SABC

If you wish to qualify for a bonus, although none will be awarded, designate the 'why' you match the particular numbers with the letters you consider appropriate.

THE LOUDENBOOMER REPORT

The recent ANARC survey of DX'ers revealed an interesting fact. It seems that the vast majority of listeners belong to only one DX club.

Ye scribe, being a member of virtually every radio club on the face of the earth, was dismayed to realize that because of this propensity for single club membership, many are missing out on news items appearing in other bulletins.

So, as a service to the hobby, I've scanned the current batch of bulletins and pulled together a digest of things published which you might otherwise have missed.

Continental DX Association: "Congrats to friend/member/SWL Sidney Smiles on being named CDXA's outstanding friend/member/SWL. CDXA's and BOD recently so named OM Sid based on his longstanding/continued reputation as a good friend/member/SWL in our club and upholding its ideas/idioms. Right on, Sidney!"

Short Circuit Newsletter: (Note: SCN, typed in 16 copies using well-worn carbon paper, is a semi-legible, limited circulation letter distributed to a select group of listeners) "Indisputable proof, received by my secret associate, C.M. Crush, from highly reliable sources which cannot be named for fear of reprisals by the 'ESTABLISHMENT', clearly indicates that the mysterious Voice of America is, in fact, a clandestine station broadcasting from Watertown, Massachusetts. And a nyah-nyah to you, GPN!"

New Jersey Radio Club: "The 68th annual NJRC Picnic was held at Swampy Grove State Park, Trenton, N.J., on July 18. The 82 members, wives and children attending expressed the view that the affair was the best ever. Highlights: The magic lantern slide show depicting famous radio personalities of the '20's and the daylong horseshoe pitching and bakeoff contest won by the duo of Art Vark and Lenny Zurch. Editor Harvey Birdsong traveled the greatest distance to attend the picnic. Though delighted, he expressed some puzzlement regarding the use of his prize, a copy of WRTH."

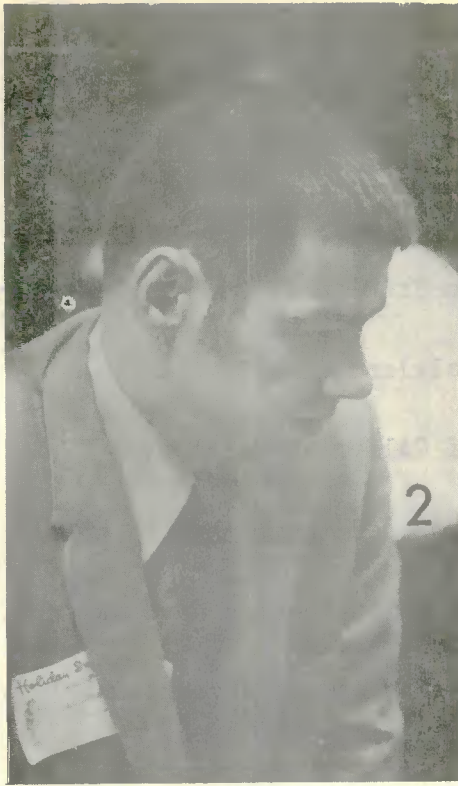
Pacific SWL Club: "I'm pleased to report that the reactionary board of directors of PSWLC has summarily been ousted from the club and the constitution has been suspended until further notice. Now I can personally get on with the job of running America's most democratic DX club. May the good Lord take a liking to you!"

Rapidx: "Some of you are still puzzled about Rapidx. So let me repeat. We are not organizing a club, but rather a magazine for the more advanced DX'er. We sell subscriptions, not memberships, and perform none of the usual functions of a club. Now, if you want to join and receive your fancy three-color member's certificate with your own personalized call letters, you'd better hurry, before our first DX logging contest starts."

Argumentative Radio Club of America: "I, for one, have had my fill of the (censored) bickering. I'm sick and tired of all this (censored) foolishness about free speech. As far as I'm concerned, ARCA should remain the sort of bulletin we would not be ashamed to show to Aunt Nelly. Anyone who can't express their (censored) thoughts without resorting to (censored) cuss words is a (censored) (censored) (censored)! Signed: (Censored)"

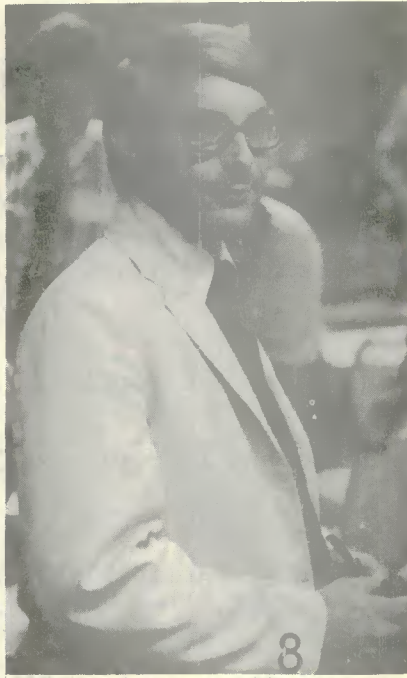
Natural High Radio Club: "Hi ERP and all. Think it time I mused again. Just back from visiting the ERBA boys, with a brief stop in YAD-Land. Caught long wanted WHO on recent MM f/c, bringing me up to 14,302. Quit collecting SC's and now seeking verifications again. A big Grok and Snurf to the BPC and especially to Crater S. and ELK. Signed: Big Daddy. (What's a verification and please double space. ERP)"

Deadcenter Radio DX Club: "We urge all you members to encourage your friends to join DRDXC. Ours is a new club, but we're terribly sincere and energetic and our dues are just \$1.57 a year. And remember our motto 'We do what others do! We just haven't been doing it as long!'"

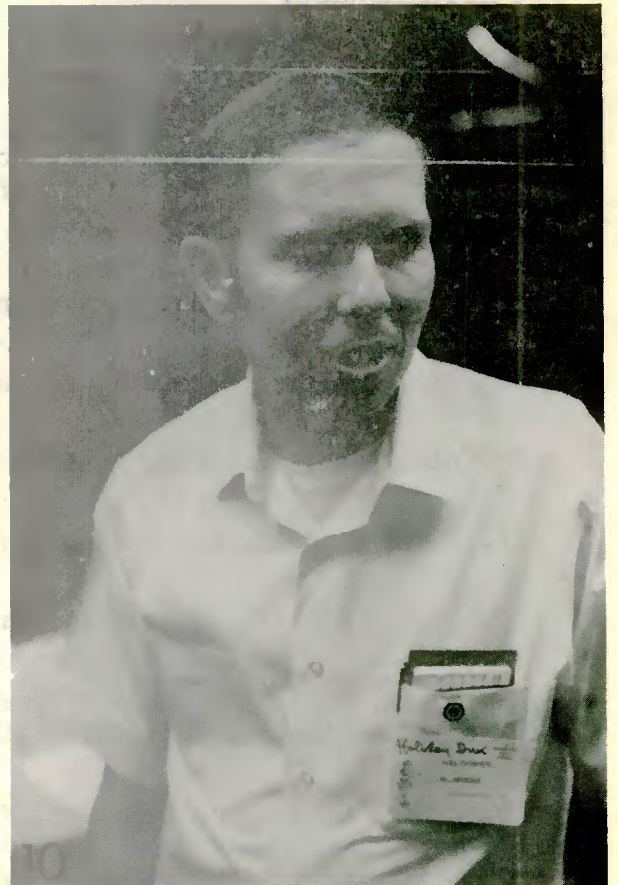


1971

ANARC



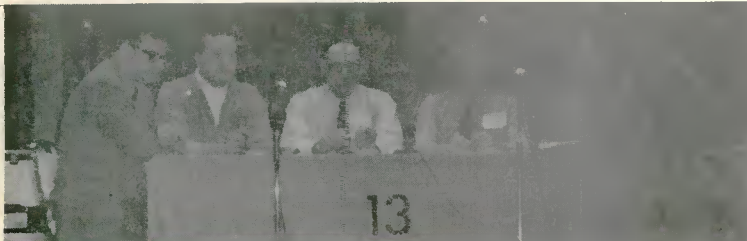
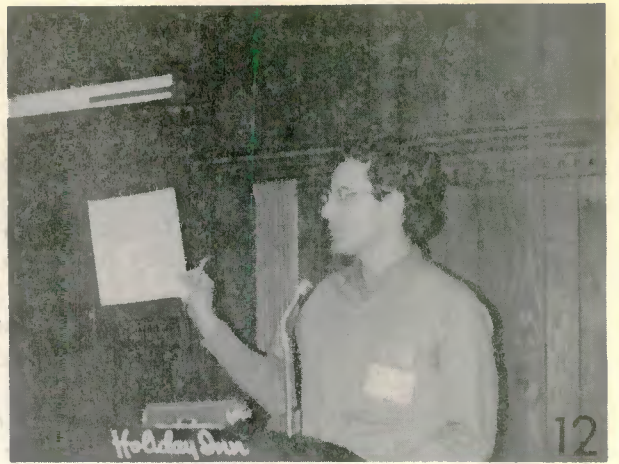
INDIANAPOLIS



PHOTO'S DE LA 1971 ANARC CONVENTIONAT INDIANAPOLIS, INDIANA

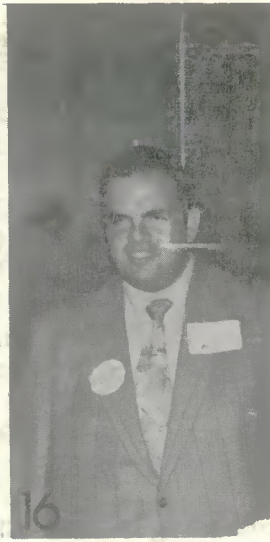
Taken/submitted by Ed Shaw,CS

1. Marlin Field gives a knowing smile when Tristan da Cunha is mentioned.
2. Gerry Dexter stares in disbelief at a Falkland Island QSL.
3. Jeannie Gillespie, the 'better-half' of Gilfer Associates.
4. Morrie Goldman, Glenn Hauser and Richard Wood thumb through QSLs.
5. Ed Shaw pauses in restful contemplation during hectic days events.
6. Al Niblack relates a tale of DX lore during one of several sub-level private room conferences.
7. Phyllis Neumann, lovely hostess to the convention and wife of some DXer named Serge.
8. Jon Williams, one of several local Indy Dxers and member of NASWA.
9. Top-level 'hash out' in a private room to debate the issues of the day. Al Sizer, "Hot pants" Lobdell, Gerry Dexter, Marlin Field, Bill Flynn, Al Niblack.
10. Al Reynolds, one of those in attendance who drove/traveled furthest to make convention.
11. Danny Jamison, Gerry Dexter, Dan Ferguson, trio of exceptional DXpertise.
12. Serge Neumann, grand master of the convention and DXer par excellence. A fine turnout of 51 rewarded his efforts.
13. Gerry Dexter, Don Jensen, Ed Shaw, Richard Wood, Marlin Field, Wendel Craighead conduct a panel discussion on the merits of ANARC.
14. Oliver 'Perry' Ferrell, former PE editor, now 'boss man' of Gilfer Associates.
15. Alan Roth, ace DXer, listens intently as convention progresses.
16. Steve d'Adolf, convention 'bouncer' and top-flite BADxer.
17. Chris Lobdell, Richard Wood and Al Sizer peruse a collection of pennants.
18. "Hail, hail, the gangs all here!" 44 of the 51 attendee's. (Note: Ed regrets that due the poor outcome of this photo, he will not make copies available.)
19. Wendel Craighead, Exec.Sec.ANARC officially opening '71 convention.
20. Two potential new DXers as result of convention, Amil Dennis, Mike Mahoney.

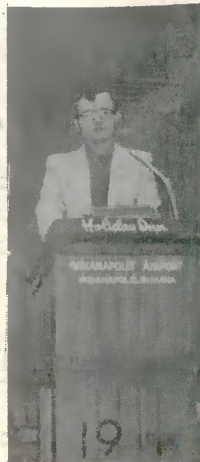


was
charlie l.
there,
too?!

Shhh !!



ANARC



All photo's this month were taken by Ed Shaw. It is quite possible we will have others that were taken at the convention, by Steve d'Adolf and/or Danny Jamison, appear in upcoming bulletins. Incidentally, Ed took many more than are shown, but a number did not turn out well enough to be used. He expresses regret that the group shot, in particular, turned out rather poorly and thus he will not make copies available as planned.

The following are some random comments, remarks and opinions, re the convention, as were expressed by members attending and wrote to Hdqs.....

Aside from the usual puzzlement as to the identity of Charlie Loudenboomer, one member wanted to know, "Is there really a Bill Eddings?"

Biggest 'hits' of the convention were the speeches by Perry Ferrell, Donald Jensen and Dr. Richard E. Wood.

As seem's to be the case every year, majority of DXers in attendance just sat back, said nothing, simply 'ate up' the doings.

Aside from the special NASWA meeting, one was also held by the SPEEDX group. There were a few other private confabs also.

SWBCers made up the majority of those attending and NASWA was best represented club.

"I've never seen so many handshakes, embraces, tears, nor heard so many laughs and good-natured insults!"

As result of the convention, and due most NASWAers present were also co-SPEEDXers, look for close cooperation between these two organizations in future.

"Although there were probably a number who didnt comprehend the full course of the talk by Dr. Wood, everyone enjoyed just hearing him speak".

Seventeen different states were represented at the convention; California, Connecticut, Indiana, Illinois, Kansas, Kentucky, Louisiana, Massachusetts, Michigan, New Jersey, Ohio, Pennsylvania, Tennessee, Texas, Virginia, West Virginia and Wisconsin.

Although there is competition between the various clubs in ANARC, there was a genuine display of comradship between the DXers in attendance.

Some unanswered questions: Who was the oldest DXer attending? Who was the youngest? Was Charlie L. present? Who drank the most beer?

There was some mention of possible merger of NASWA and another club, but it was all in jest and not taken seriously.

Every letter/report received at NASWA Hdqs, re the convention, had words of praise and plaudits for host Serge Neumann.

NASWA members attending: Ed Shaw, Don Jensen, Gerry Dexter, Jerry Berg, Mike Macken, Chris Lobdell, Steve d'Adolf, Al Niblack, Bill Flynn, Perry Ferrell, Dr. Richard Wood, Kim Elliott, Alan Roth, Bruce Boomer, John Whitacre, Jon Williams, Gary Atkins, Bill Whitacre, Marlin Field, Serge Neumann, Al Reynolds, Harry Smith, Al Sizer, John Callarman, Danny Jamison, Bill Buell, Dan Ferguson, Wendel Craighead, Bill Matthews, M. R. Leonhardt and Charlie Loudenboomer(?).

Site of the 1972 ANARC convention has not yet been selected, but one of the clubs in Canada has already put in a bid to host it.

Keep abreast of ANARC actions, follow monthly Report in each edition of Friendx.

SEPTEMBER ANARC REPORT ----- CONVENTION HIGHLIGHTS

"Wonderful", "best ever", "the highlight of my DX career", "great to meet so many who've been just names 'til now", "you don't look anything like your picture", "Did Loudenboomer really check in?" Those are some of the comments at and about the 1971 ANARC Convention held July 23 - 25 at the Holiday Inn Airport in Indianapolis.

The official program called for things to begin at 6pm Friday evening, but the DX talk was flying well before that! By 1pm a sizeable group of DX'ers had already made their appearance and had been greeted by Convention Host Serge Neumann. And so it continued until nearly 6pm when a "hunger strike" had everyone departing for the HI restaurant all at once. We wonder what the other diners thought of the curious conversations emanating from six or so tables in the middle of the room!

Once the cravings for food and refreshment had been assuaged, Serge welcomed everyone officially and the rest of the evening was spent talking DX, of all things! As far as we can tell, the last confab finally broke up around 5am on Saturday morning!

Saturday saw lots of items on the program. Greetings from Serge again to the several new arrivals, an introduction of everyone there with a check on clubs to which they belonged. NASWA's representation was the largest, with some 20 members on hand. Then came reports by or on behalf of the ANARC Committees.

Dr. Richard E. Wood gave a most fascinating and informative talk on "Language Identification in Radio", virtually taking us on a world tour of all the major languages and many less well-known, describing their characteristics and means of recognizing them on the air.

Then there was a panel discussion on "ANARC - A Self Critique" in which the history, operation, accomplishments were discussed by former ANARC officials and others involved with the organization. One outgrowth of this discussion will be an attempt to form a committee to offer aid, assistance and guidance to beginning or unaffiliated DX'ers through regional representatives. NASWA member Al Sizer is heading the project. We should have more information for you on this in future ANARC Reports.

Saturday afternoon brought a most interesting slide presentation on American Forces Radio and Television by Air Force Captain Tom Scanlan, covering AFRTS activities around the world, organization and operational methods.

Another highlight was Oliver P. Ferrell of Ziff-Davis Publications and Gilfer Associates and his discussion on "The SWL DX'er - What Others Think of Us." He lamented the lack of cooperation between clubs, noted that the hobby presents a disorganized and somewhat juvenile image to the rest of the world and that a more unified front should be created. He referred to statistical surveys which indicate most DX'ers are in their 20's, that SWBC station officials tend to think DX is something kids fiddle with but soon lose interest in.

A second panel discussion followed, dealing with exact frequency measurements by listeners.

Saturday evening began with a delicious banquet. Following that, the 1971 ANARC Man of the Year was announced. He is Donald Erickson of IRCA who publishes that club's bulletin as well as the monthly ANARC Newsletter.

"One Man's View - An Invitation to Argument" was the title of Don Jensen's speech on Saturday night. Don noted that no time had been allowed on the program for argument following his remarks so he made some time by tossing out several pages of his talk. Don dealt with the value of verifications, the country-chasing rat race and the theme that, after all, this is supposed to be a fun hobby so let's not take ourselves too seriously.

The rest of the evening was spent chatting, comparing QSL's and the like. At 9pm 20 NASWA members crowded into one of the guest rooms for a discussion of our club. It should be noted that everyone present expressed thanks and highest admiration to Executive Editor Bill Eddings for his leadership and many, many hours of work for the club each month.

And the talk went on into the morning hours again, in the meeting room, in guest rooms and the cocktail lounge. (Hic.)

...cont'd next page...

Sleepy Sunday morning arrived all too soon! Breakfast help get theeyes open and so did the anticipation of maybe winning a door prize. But, there were still some who did not present themselves until mid-morning. Serge and ANARC Executive Secretary Wendel Craighead made a few closing remarks and then it was more informal talk until around 11am when the handshakes, packing and "Hope to see you next year" talk. It was a great one and we do "Hope we see you next year!"

In other ANARC News, one bid for the 1972 convention has already been received, from the Club des DX'ers du Quebec, an ANARC Associate Member club. They've invited ANARC to hold the 1972 gathering in Quebec City next summer. It is necessary to arrange for facilities in Quebec City early and thus it is hoped that a site may be selected by about the first of January. The Executive Secretary urges any club, group or individual interested in hosting the convention to contact him with your bid as soon as possible.

A new DX publication..SPEE DX is now on the scene. SPEE DX is edited by Art Gloyer of Port Angeles, Washington. Section editors and other staff members include Jack White, David Thorne, Bill Flynn, Carroll "Pat" Patterson, Chris Lobdel, Paul Mayo, Mark Koukel, Serge Newmann, Robert LaRose, William Sparks and Mike Macken. First class subscriptions are \$10 per year, sample copies \$1. The publication is done by offset and issued monthly. Sample copies and more info are available from SPEE DX, P.O. Box 321, Santa Ana, California, 92702.

FM DX'ers will find the new "FM Station Atlas" a valuable addition. It's a big help if you have FM in your car too. The Atlas shows at a glance locations and frequencies of nearly 3,000 US and Canadian FM stations based on the latest FCC and Canadian station information. The Atlas was compiled and edited by Bruce F. Elving, a long time FM DX expert and is available at \$2 per copy from The Worldwide TV-FM DX Association, P.O. Box 5001-AN, Harbor Station, Milwaukee, Wisconsin, 53204.

WTFDA can also send you their new 10 page booklet on DX'ing above 30 MHz. The cost is 25 cents or 3 IRCs. The booklet covers TV, FM and VHF public service DX'ing.

Due to the strike of editorial employees of the Newark Daily News, all mail for the Newark News Radio Club should be sent to their Corresponding Secretary, Harold S. Williams, 32 Smith Street, Apartment 3-W, Seymour, Connecticut, 06483, until further notice. Letters recently sent to the club's headquarters at the News will undoubtedly be considerably delayed in processing.

The Canadian International DX Club is seeking contributions to pay for a receiver and club memberships for a disabled war Veteran, Albert Madder. Donations may be sent to CIDX at 169 Grandview Avenue, Winnipeg, Manitoba, Canada. The club has also done away with the offices of President and Vice-President and is now governed by a five man board, headed by R. Lorne Jennings.

A couple of changes in ANARC Representatives. William Sparks has resigned as an ASWLC Representative. A replacement has not yet been selected. For NASWA, Ed Shaw is replacing Gray Scrimgeour as one of our three representatives. Ed will be doing the monthly ANARC Report for NASWA beginning next month.

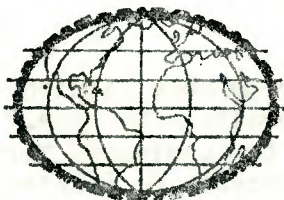
ANARC will be listed in the next issue of a Gale Research publication entitled New Associations and Projects. This is a quarterly supplement of The Encyclopedia of Associations, a major reference book found in most US and many foreign libraries as well as many business offices. ANARC's listing will be incorporated into the new edition of the main volume to be published next year.

Once again, a reminder that ideas and suggestions regarding ANARC and ways in which it can serve the hobby are always welcome by your representatives... Ed Shaw for the eastern area, Gerry Dexter for the central, Del Hirst for the western.

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NOTE: THIS MONTHS REPORT WAS TYPED BY REP-GERRY DEXTER. BEGINNING NEXT MONTH IT WILL BE DONE BY NEW REP-ED SHAW WHO HAS REPLACED GRAY SCRIMGEOUR AS EASTERN REP.

+ + + + +



SHORTWAVE CENTER

WILLIAM A. MATTHEWS, EDITOR
POST OFFICE BOX 15306
COLUMBUS, OHIO 43215

Deadline 15th of the Month
Your support is solicited!

TWR: SWAZILAND
Marlin A. Field

Some bad news for country-counting DXers like me: Trans World Radio is not going to build in Swaziland after all--but in South Africa. South Africa made the station a better offer. From Swaziland, TWR was to have one 1 million watt transmitter on AM and 3 on shortwave; from South Africa, two 1 million watt transmitters on AM and 5 on shortwave, with power up to 250,000 watts. Electricity from Swaziland would have cost 7¢ a kilowatt, but from South Africa, it will cost only 2¢. Other considerations in choosing South Africa were stability of the government and conductivity of the soil. A carpenter originally from our church who went to Bonaire to help with construction there is back in Michigan for a short time before leaving July 1 for South Africa to start construction there. A 50,000 watt transmitter, the first to be put into use, is ready for shipment from New York. Plans are to have all transmitters operational by the end of 1972.

Another item from Trans World Radio--during the past year TWR received addressed to its post office box in Poland, 4,000 letters from Poland from listeners to its Polish broadcasts; around 2,000 of them asked for copies of the Scriptures. So now TWR is shipping paper into Poland, where the Scriptures will be printed for distribution.

* * *

USIA RESISTING PLEA FOR BEAM TO SOVIET JEWS

The U.S. Information Agency is resisting proposals that it beam special radio broadcasts, perhaps in Yiddish, to restive Jews of the Soviet Union. The latest proposal was made by Sen. Henry M. Jackson (D-Wash.) in a letter to USIA Director Frank Shakespeare.

Without touching on the Yiddish language issue, Jackson said: "The Jews of Russia are entitled to know that millions of Americans have not forgotten them... I strongly urge that USIA increase immediately its coverage of material of Jewish interest to broadcast to the Soviet Union on the Voice of America." Jackson suggested programming "several hours a week" of Jewish-interest broadcasts.

Earlier, on March 10, Shakespeare and his principal USIA deputies were urged by several Jewish leaders to institute Yiddish-language broadcasts. One of those at that meeting were Leonid Rigerman, the Soviet physicist and activist who won recognition of his U.S. citizenship and last month emigrated to the United States.

Rigerman said in an interview that "the Voice of America doesn't realize how important it is to the citizens of the Soviet Union and how important it is that they have failed to give attention to the Jews." He said that VOA is "very effective and useful. It and the BBC are the only sources of information for Soviet citizens that are believed. It is 100 per cent trusted." But he said Jewish listeners "get the impression from the absence of concern for Jews that the United States doesn't care."

He said the Voice of America has no special Jewish programs, cultural or political, and he did not realize until he reached the United States the extent of sympathy in the West for the plight of Soviet Jewry. The deputy director of USIA, Henry Loomis, acknowledged in an interview, "we don't broadcast to Jews as such" and indicated there was no plan at the agency to begin specific Jewish interest programming.

He said: "We're satisfied that we are talking to Jews. Every Jew in the Soviet Union

USIA RESISTING PLEA FOR BEAM TO SOVIET JEWS
(continued)

speaks a language in addition to Yiddish. Maybe they would prefer to hear Yiddish, but there are very few subjects of interest to Jews that are not available to them." Loomis said news items of interest to Jews--on the Middle East or the Leningrad trials --are broadcast "as warranted by their news value" on regular broadcasts in Russian, Ukrainian, Armenian, Georgian, Estonian, Lithuanian, Latvian and English.

The 1959 Soviet census indicates that 2,267,000 persons in the Soviet Union speak Yiddish, while less than half that number speak Estonian and 1.4 million speak Latvian. Meanwhile, another American station--believed heavily financed on a covert basis by the U.S. Government--broadcasts in 16 languages, including such obscure tongues as Chechen and Karachai, spoken by fewer than 100,000 persons.

Dr. Gene Sosin, Radio Liberty's planning director, said the station might consider regular Yiddish broadcasts if a poll of recent emigres like Rigerman indicated it would be useful. Radio Liberty was alleged recently to be almost totally financed by the Central Intelligence Agency. Officials at Liberty said they had no comment on the allegation.

According to Rigerman, Yiddish broadcasts reach the Soviet Union from two sources. Israeli radio broadcasts cultural programs and Mideast news, but shies away from programs on Soviet dissent for fear of being jammed. Trans World Radio, operated by a fundamentalist religious sect in Monaco, beams Hebrew and Yiddish broadcasts into Russia in an effort to convert the Jews to Christianity.

Chicago Sun Times

.....via Glenn Hauser

Richard Anderson recently wrote to Mr. Kenneth R. Giddens, Director, Voice of America, regarding broadcasts to Soviet Jews. This response was received from Miss Ruth Walter, Public Information Officer:

Your letter of July 10 addressed to the Director of the Voice of America, Kenneth R. Giddens, concerning Voice of America broadcasts in Yiddish to the Soviet Union has been referred to me for reply.

While VOA has no direct broadcasts in Yiddish, we have substantially increased our coverage of news developments regarding Jews in the USSR and, mindful of the Agency's primary mission, we have been contrasting their treatment with news of religious, cultural and community developments of our own citizens of Jewish background. The programs to which I refer are being broadcast in seven ethnic languages and especially in Russian and Ukrainian which are understood and spoken by the overwhelming majority of Soviet Jews.

We definitely agree with you about the importance of reaching people in the Soviet Union whose language is Uzbek. The VOA is currently building a new relay station in Kavala, Greece. As soon as it goes on the air next year, we are planning to begin broadcasts in the Uzbek language.

Thank you very much for sharing your views with us. Although at this time, we do not expect to inaugurate a service in Yiddish, we shall continue, as we have in the past, to stress in our broadcasts the deep concern of the United States, its government and its elected representatives with the fate of Soviet Jewry and to provide all the moral support and encouragement which is consistent with our own national interests and with the Agency's mission.

The above is, of course, designed to keep our readers informed as to policies of the VOA - even though it cannot, under most circumstances, count as a "DX" station. Nonetheless, it is felt that an awareness of proposals is important to NASWA members.

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DON'T JUST CURSE THE DARKNESS - LIGHT A CANDLE

Richard E. Wood

The truth of this saying was brought home to me with a vengeance the other day. I live in an apartment building; erected in the early 1930's, its fabric and wiring have seen better days. The liberal landlord allows me to build all kinds of antennas, but he is equally permissive regarding the neighbors' operation of numerous unsuppressed electrical appliances, including decaying fluorescent lamps, sweep-radiating TV sets, and a host of other noise-makers.

I had run a flimsy wire to a water pipe at the base of my sink and was confident that my receiver was now well and truly grounded. Beyond that, all I could do was to sit there and curse the noise level which blanked out all the h.f. frequencies - 15 MHz and above - or so I thought.

One afternoon, when half a dozen appliances clicked on at once and the BBC on 15070 kHz, to which I had been listening, took yet another nosedive under the S-9 noise level, I decided to curse no more. With a few swings of the hammer, I drove a thick, two-foot metal rod (an old car accessory, no cost) into the Mississippi-moistened soil beneath my second-story window. A heavy-duty cable, the thickest I could find, was run up the wall and attached to the ground connection on the receiver chassis. This time, it was the noise which took a nosedive. The BBC was loud and clear; the noise was largely gone, and it has not returned. Next week, I will try a six-foot rod.

How many of you have an efficient ground system, I wonder. Don't just curse the noise --install one now!

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RADIO NEW ZEALAND

Radio New Zealand, the Shortwave Division of the New Zealand Broadcasting Corporation, may be heard in many parts of the world, although beamed primarily to Australia and the Pacific Islands. From studios located in Wellington, Radio New Zealand provides a representative picture of the country by broadcasting programmes from the main centres throughout the Dominion. The recorded song of the native Bellbird provides Radio New Zealand with a distinctive tuning and interval signal. The Bellbird is a greyish green songster about the size of a thrush and its call resembles the chime of small bells.

Two transmitters are situated at Titahi Bay Transmitting Station, about twenty miles north of the Capital city, Wellington. They were designed and constructed in 1945-1946 by the Australian Company, Messrs Amalgamated Wireless Ltd., and were installed and tested by the NZBC engineering staff in 1946-1947. The two units are capable of operating with crystal control, on any frequency from 6 MHz to 21 MHz, and deliver a power of 7.5 Kw, (unmodulated) to the transmission line. The station uses four conductor, open-wire lines having a characteristic impedance of approximately 300 ohms for its' transmissions lines.

The antenna system used by the station has been re-designed and now consists of the following arrays. The Australian arrays are directed on a bearing of 285° east of north. The 9, 11, 15 and 17 MHz arrays consist of a curtain of centre fed three-element folded dipole radiators, with a single element parasitic reflectors. The 6 MHz array has a radiator and parasitic reflector consisting of four collinear loops --the radiating elements being the five verticals formed by the loops.

The Pacific arrays are directed on a bearing of 30° east of north. The 11, 15, and 17 MHz aeriels are similar in design to the Australian 11, 15 and 17 MHz, but the 6 and 9 MHz are loop types similar to the Australian 6 MHz. All aeriels are remotely switched.

Radio New Zealand has no plans for permanently covering areas other than Australia and the Pacific Islands. However, the station is always pleased to receive reception reports from listeners outside the Pacific area. Reports are acknowledged by a QSL

RADIO NEW ZEALAND
(continued)

card posted by surface mail. Listeners reports should include the date, time, frequency, programme details and reception conditions of the transmission. Send your reports to:

The Director
Radio New Zealand
P. O. Box 2396
WELLINGTON, NEW ZEALAND

Radio New Zealand can be logged in North America with English language programmes starting 0900 GMT, on 9520 and 11705 MHz.

Information from the N.Z.B.C.

..adapted by John Banta

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THE BOMBING OF RNI

From the day Radio North Sea International was bombed, press reports were sent to the SWC by many members. Below, we list a summary of the events in the form of three articles sent by member Andy Kerr. Thanks to everyone who helped contribute and special thanks to Andy. Of course, RNI is now back on the air on SW - 6205 and 9935 (sporadic) - but this is still a bit of recent "happenings" on the pirate scene.....

PIRATE RADIO VESSEL SET AFLAME BY BOMB

Deal, England (AP) - Distress calls from a pirate radio ship anchored off the Dutch coast said the vessel had been fire-bombed and was ablaze from stem to stern. A broadcast heard in Rotterdam quoted one of the ship's owners, Erwin Bollier, as saying a crewman died in an explosion in the engine room. British coast guards identified the craft as Radio North Sea International with the call sign MEBO-2. They said they understood the attack was made by the radio ship's "competitors."

Reports in both England and Holland said a launch raced alongside the ship and lobbed a fire bomb into the engine room. Disc jockeys on the vessel broke off their regular programs to send the May Day distress signal. Their messages said the fire had reached the bridge and the crew was abandoning the craft, which beamed music and commercials mainly to Britain on a wave length considered illegal by European broadcasting authorities. One report said eight crew members were rescued from the blazing ship but three were still aboard.

The Dutch lifeboat Banard van Leer and the destroyer Gelderland were reported at the scene and a helicopter from Holland was overhead. Holland's Valkenburg airbase received the initial May Day calls. The radio ship was anchored off Scheveningen, near the Hague. It's last signals were received at 11:40 p.m. local time.

The Swiss owned pirate ship began transmitting Dutch and English language programs last February. It has a 50 kilowatt transmitter. MEBO, the name of the vessel, is a contraction of the names of the Swiss owners Erwin Meister and Bollier. They registered the ship in Sierra Leone and anchored it off the English coast but moved it closer to Holland last year after harassment by the Royal Navy.

British legislators drove most off-shore pirate radio stations out of United Kingdom waters in 1967. Faced with stiff legal penalties, the leading pirates, Radio Caroline, Radio London and Radio 277-355--said they were packing up.

THREE LINKED TO FIRE ON POP RADIO VESSEL

Amsterdam, Netherlands (AP) - Dutch police investigating a fire aboard a pirate pop radio ship said they have arrested three men.

THE BOMBING OF RNI
(continued)

Maj. T.P. Nelissen, district commander of the Amsterdam water police, told a news conference all three are Dutchmen and professional divers. The ship, MEBO-2, owned by Radio Nordsee International, was set ablaze off the Dutch coast by a hit-and-run launch. It resumed broadcasting the next day. Police said they made the first arrest at 2:30 a.m. after an anonymous tip by a man who said he was shocked by a Dutch radio report that the captain of the MEBO-2 was missing. The report turned out to be false.

Nelissen identified the three men by their initials only, as is customary in cases that still are under investigation. He said the three are: Th. Van Der L, 24, J.M.P, 25, and W.M.V.P., 24. An explosion aboard the MEBO-2 engulfed the ship in flames, after fire bomb was lobbed into the engine room. Rescue craft sped to the scene, off the Dutch coast, and the crew of around 20 seamen, disc jockeys and engineers was taken off. Disc jockey Alan West reported the stern of the ship was burned out, but that the transmitter and generator were saved. In Zurich, one of the Swiss owners of the ship, Edwin Bollier, estimated damage at \$73,500.

The vessel began broadcasting Dutch and English-language programs last February from her anchorage off Scheveningen. The British drove off most off-shore pirate radio stations four years ago by enacting stiff penalties. Radio Caroline, Radio London and Radio 277,355, the leading pirates, packed up and left. To satisfy the millions who listened to the pirates' round the clock pop broadcasts, the government reorganized the British Broadcasting Corp by introducing a channel featuring continuous pop.

NORTH SEA - The Warring Piratesfrom TIME Magazine

Aboard Radio Northsea, a ship that broadcasts pop music and news to Western Europe and Britain from just outside the Dutch three-mile territorial limit, Disc Jockey Alan West was playing a tune titled, all too appropriately, Melting Pot. Suddenly a tremendous blast shook the vessel. "I thought another ship had hit us in the fog," said West, but when he rushed on deck he saw three men in wetsuits heading toward Scheveningen beach in a motorpowered rubber boat. West sped back to his microphone and shouted: "May Day, May Day, this is Radio Northsea. We are on fire. A bomb hit us." Alarmed listeners in Britain as well as The Netherlands deluged radio and TV stations, newspapers and the police with phone calls. "There is a war on," said one panicky listener. Actually, the war was but a skirmish between Radio Northsea and a competing pirate radio ship, Veronica.

Since 1960 Veronica, an old German lightship owned by the Worldwide Trading Co. of Liechtenstein, has beamed advertisements, contemporary pop music and news to Dutchmen bored with the conservative blandness of The Netherlands' three state-subsidized radio stations. Veronica became so popular that the Dutch government refused to ratify the 1965 Strasbourg convention for fear of losing votes. That agreement bars pirate stations from the territorial waters of the European nations that have signed it, and makes it illegal to supply programs or ads to such radio ships.

Veronica enjoyed its unchallenged position until 1967, when Dutch radio and TV introduced commercials. In the same year a lively pop music radio channel called Hilversum Three was put into operation by the official broadcasting associations. To add to Veronica's troubles, a second pirate ship, Radio Northsea, appeared off the Dutch coast in 1970. At first Radio Northsea was content to broadcast in English, German and Spanish. Veronica's directors loaned the station \$260,000 to persuade it, as one of them said, "to keep its big Dutch mouth shut." As collateral, Radio Northsea handed over the bill of sale for its ship to Veronica and allowed itself to be staffed with a Dutch crew picked by Veronica.

Early this year Northsea's Swiss owners decided to open their Dutch mouth. They tried to repay their loan, but Veronica refused the money. The Swiss thereupon armed themselves with pistols, sailed to their ship in a tug boat, overpowered Veronica's men, took them ashore and replaced them with their own crew. They hired one of Veronica's

THE BOMBING OF RNI
(continued)

top D.J.s, Joost de Draaijer (Johnnie-Turn-Them-On), and began broadcasting 24 hours a day in Dutch (v. 18 hours for Veronica). Growing desperate, some of Veronica's officials decided on sabotage. They hoped to shut down Northsea's transmitter, disable the ship and force it into a Dutch harbor where it could be confiscated for its still unpaid debt. The plan almost worked. Shortly before midnight, less than an hour after the frogmen had planted dynamite in the engine room, Disc Jockey West announced: "Flames are approaching the studio, we are abandoning the ship. Goodbye and God bless ...". Everyone but the captain, the chief engineer and one sailor clambered overboard into lifeboats. But a Dutch tugboat, a firefighting ship from Rotterdam's Europort, a Dutch navy frigate carrying 250 battle-dressed marines, a navy Neptune reconnaissance plane and a helicopter all converged on the scene and put the fire out before it could damage the transmitter.

Radio Northsea was back on the air by 4 a.m. That same morning, Dutch police in Scheveningen rounded up the three frogmen, who had been promised more than \$7,000 apiece for the job, and charged them with robbery in international waters. The following day they collared one of the men accused of organizing the plot--Dutch Businessman Norbert Jurgens, 48, a large stockholder and employee of Veronica's. At week's end they also arrested and indicted as an accomplice Hendrik ("Bull") Verwey, one of three Dutch brothers who are the principal owners of Veronica. "We never wanted it that way," said Verwey. "No violence--oh, no. You know, the thing got out of hand."

* * *

RADIO PAKISTAN - EAST WING

DACCA - It was officially stated in Dacca today that all the six stations of Radio Pakistan in the Eastern Wing have been on the air as usual and are working with normal strength of officers and staff. An official spokesman described as another typical lie the New Delhi radio broadcast that out of six radio stations in East Pakistan only Dacca Station is on the air.

The spokesman said these stations, namely, Dacca, Chittagong, Rajshahi, Khulna, Rangpur and Sylhet, are not only working but also correctly informing the listeners about national and international developments.

Pakistan Embassy publication
...via Richard Anderson

Just an added note that a DXer in Ceylon states that only one station is heard announcing as Dacca - others are still not in operation...and he wonders if "Dacca" is not perhaps actually Karachi. Further, the Bengala Desha station is still operating while the Pakistanis claim it is actually AIR in India.

* * *

DX ATLAS: POLAND - THE PAST, THE PRESENT
Edward J. Pyatt

The Polish state came into being more than one thousand years ago. For ten centuries, the Poles were forced to wage many battles with aggressors coveting their land and in fact were deprived of their independence for 123 years, from 1795 to 1918, by Russia, Prussia and Austria.

The worst calamity suffered by Poland was the Nazi invasion in 1939. The Poles paid a ghastly price for their courageous defiance of the Nazis, with over 6 million dead. The economic losses amounted to 52 billion dollars. Polish contributors to world progress include Mikolaj Kopernik - Copernicus (1473-1543) who revolutionized man's concept of the universe; Maria Sklodowska-Curie (1867-1934), discoverer of radium, twice winner of the Nobel Prize; Frederic Chopin (1810-1849), immortal composer; and thousands of less famous but nevertheless outstanding scientific and cultural workers.

DX ATLAS
(continued)

Poland pioneered in the field of democracy as early as the 16th century. The Polish kings were elected and there was a viable parliament. Although Roman Catholicism was Poland's state religion, there was great tolerance of other faiths, almost no religious persecution, and no inquisition. To the contrary, Poland was a haven for the persecuted Jews as early as the 13th century, and for others as well.

Poland covers 121,000 square miles, slightly more than the state of Arizona. She is the seventh largest country in Europe with a population of about 32 million, equally divided between urban and rural dwellers. The Ethnic Poles constitute 98% of the population. The Polish women are noted for their beauty, elegance and charm and statistically, they outnumber the males by one million. Although Poland is largely flat, the terrain rises gradually from the Baltic Sea to the Tatra mountains. The highest peak is Mt. Rysy at 8,182 feet. The climate is temperate. The average temperature is 26 degrees F in winter and 68 in summer.

The highest state authority is the legislative "Sejm" of a single chamber. All citizens over 18 years of age are eligible to vote. The ballot is secret. There are 3 political parties - Workers, Peasants, and Democrats, plus Catholic groups. The Council of Ministers, elected by the Sejm, is the chief executive body under its chairman, who is the Prime Minister. The judiciary is independent, like in the U.S., but differently organized.

The Church is separated from the State, but the state pays the clergy for religious instructions in catechetical centers. A land of young people with more than one third of the population under 15 years of age, Poland devotes much of her effort to education. Before World War II, some 25% of Poland's population was illiterate. Today, there is virtually no illiteracy. Free education prevails from nursery school through university. After WW II Poland began her economic development almost from scratch, with industry in complete ruins. During the past 25 years, the country has changed from a backward agricultural country into a progressive industrial-agricultural one. Poland's economy is basically socialistic with heavy industry being managed by the government. Poland occupies second place in the world in the growth of rye and potatoes, fifth in milk and dairy products, and seventh in meat production. Rising like a Phoenix from the ashes, Poland has shown amazing progress in all fields.

Warsaw - the Reborn City

When the Nazis had finished their work of destruction, Warsaw was a city of ruin and death, 85% devastated. Over 25,000 buildings were totally or partially destroyed, 800 out of 967 historical structures were reduced to rubble, and 600,000 city inhabitants were killed.

The most impressive structure in Warsaw is the Palace of Science and Culture. It was a gift from the Soviet Union to the Polish nation. It took 3 years to build and was completed in 1955. The inside is a wonderland of colored marbles lit by crystal chandeliers. It contains 3,300 rooms, its vast Congress Chamber seats 3,000 persons.

The most remarkable sights, however, is the "Old City" with its "New Town," faithfully reconstructed according to old designs and documents - an artistic masterpiece. Behind the "Old Town" is a vast vacant area, where a simple monument immortalizes the Heroes of the Warsaw Ghetto. Warsaw's new Grand Theatre Building houses the State Opera and several theatres. The Polish capital also has a renowned Philharmonic Orchestra, 17 museums, more than 20 theatres, 70 cinemas, old and new churches of many faiths, many restaurants, cafes and nightclubs where jazz, rock and roll and other entertainments are featured.

To gain greater insight into Poland, its peoples and culture tune in to the Polish Radio's broadcasts to North America in Polish and English daily from 0200 - 0355 GMT on 15275, 11815, 9525, 7285 and 6035 khz.

Polish Radio can also be heard in English to Britain at 0630 - 0700 GMT in the 31 and

DX ATLAS
(continued)

41 meter bands, as well as other times of the day. A rather rare station also operates from Poland daily--the Polish Pathfinders Station--from 1100 to 1700 GMT on 7306 and 6850 khz, each with 350 watts.

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THE IB101 FREQUENCY COUNTER
John Walenter

The following message is intended for club members with bandspread receivers, Hammarlund, Hallicrafter, and such. You may have noted in the new Heathkit catalog, the product I will speak of. Popular Electronics, April 1971 also has an article on it. The product is the IB101 Digital Readout Frequency Counter. It is a kit priced at \$219.00. It took me 22 hours to build. If you have seen the article, you envisioned it just as I did. This counter with your receiver to read out the frequencies digitally. Well, sad to say it does not work!

I purchased one and built it. Result: it would not read the frequency of a local BCB powerhouse. You ask why? According to the man who designed it, in order to use this instrument there must be a steady signal at all times. A certain power rating not found in received S/W frequencies or BCB frequencies. One signal feeding the instrument at all times. If a shortwave listener wishes to use this instrument, there must be additional circuitry to meet these requirements. QST magazine October 1970 had the diagram for the additional circuitry, designed for a Collins Receiver. The extra circuitry would cost about \$150.00 to build. Heathkit has not designed the extra circuitry as of this time. This counter is a Ham instrument. A quote from the catalog reads "Works with most receivers." This is false, it will work only if you are an amateur radio operator. It will not work for what we want it to! If you are still interested, a good signal generator will make it work.

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MAJOR CHANGES MADE IN ELWA BROADCASTS

Monrovia, Liberia (SIM)--The first mass audience survey taken by missionary radio in Africa has brought about significant changes in the programming of Radio ELWA here. The new station motto, "Your Good Friend Station, showing you the way to a better life," is taking hold. Foreign-sounding programs are being replaced by programming using local people, who have the same life experience as their audience.

For some time African staff have outnumbered missionary staff at ELWA two to one. At present three of the six Internal Service sections, the Liberian-language programming, the Radio Bible School, and the Traffic Department are under direct leadership of national staff. The English-speaking programming and News sections have Liberian assistant section heads in training.

Data from the survey has helped the programming staff narrow down their specific target to Liberia's young emergent group. A multi-media campaign using radio, literature, and evangelistic meetings is being planned to most effectively reach these people.

Another innovation is the organization of ELWA radio listening clubs, making more personal contact possible for counseling, and providing valuable feedback to the station.

SIM News....via Richard Anderson

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A real pleasure to see everyone at the ANARC Convention in Indianapolis. If you missed it, you really missed a very fine time. Do try to make it next year if at all possible. You won't be sorry! .. Bill Matthews

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NEWSROOM

ANTHONY MARKS-EDITOR
H. MICHALENKA-ASST. ED.
P.O. BOX 521
LAGHANDE, OREGON 97850
Deadline 15th of Month

SPAIN, Madrid

According to L'Express (France), the new RNE transmitter farm consists of Thomson-Houston transmitters put together with the aid of a Spanish firm. The beam is to Latin America. SCDX says there are 6 x 350 kW Tx, with provision to add two more of the same. (LM)

Spain's chief of state, General Francisco Franco, has inaugurated a 2100 kW shortwave broadcasting station. The Voice of Spain is to beam it's six hour daily program to Latin America and some southern US states. (MK, from an AP account in 22 July Milwaukie Sentinel)

USSR, Moscow

New strange frequency for RM Chinese Service is 13560, noted 18:37-s/off 20:28 with usual fare. (LM)

"Unfortunately we, as the Foreign Service of Radio Moscow, do not verify reception reports on our Home Service transmissions. We would be very glad to receive reception reports from you on our transmissions beamed to the East and West Coasts of the United States with all the required details and then we shall send you our QSL card. If you will be sending further reception reports on tape, please put them on cassettes, that will make it more convenient for us to listen to them." (Mrs Eugenia Stepanova, NA Service, to NR editor)

DENMARK, Copenhagen

Foreign Service (Danish) w/50 kW:
On 15165; 07:30-08:15, 09:45-09:50,
11:30-11:55, 12:00-12:45, 13:30-13:45,
14:00-14:45, 17:30-18:15, 18:30-19:15,
22:00-22:45. On 9520; 00:00-00:45.
02:00-02:45 on 11895. (SH, Sd)

SEYCHELLES, Victoria

FEBA (Box 234, Victoria) with 30/40 kW is currently using this sked:
On 11920; 01:00-01:30 Sinhala, 01:30-03:00 English. 15260 (Alternate 15415) test Tx to Middle East, 16:50-18:00 EE.

On 15270 to India, Ceylon, Pakistan;
12:30-13:00 Sinhala, 13:00-13:30 Tamil,
13:30-13:45 Urdu/Hindi, 13:45-14:00
Hindi, 14:00-14:15 Gujarati, 14:15-
14:30 Marathi, 14:30-15:00 Telegu,
15:00-16:45 English. (EK)

WEEKLY RADIO TELECOMMUNICATION FORECAST

The WRTF is a sheet which tells the expected shortwave radio conditions for the coming week on the 1-9 WWV scale, as well as the prospects for propagation disturbances, an update on the monthly MUF predictions in the magazine Ionospheric Predictions, and a review of shortwave conditions day by day in the previous week. Although intended for use mainly by utility stations, it is of some interest to DXers and is available for free (an excellent price - ed.). To be placed on the mailing list, write: US Department of Commerce, Office of Telecommunications, Institute for Telecommunication Sciences, Boulder, CO 80302. If you are unfamiliar with the WWV 1-9 scale, ask for the schedule at WWV, Rt#2 Box 83E, Fort Collins, CO 80521. (SE)

SWITZERLAND, Berne

(Cf. NR AUG and JUL); 15235 was hrd regularly on ECNA in May, and perhaps June, too, and 15305 was quite vacant. For example: logged in PA 20 May 01:30 with 54544 signal in EE to NA with 15305 vacant. Can only assume SBC decided to use their scheduled frequency after all, but not until well after the Summer switch-over began. Others made this same observation, even if not in NR. Hope this helps clear things up. (LM)

There is also the possibility, however improbable, that the SBC was not aware that they were that far off their scheduled frequency, perhaps due to transmitter difficulties. - ed.

INTERNATIONAL WATERS

RNI has reinstated its 9935 Tx, noted //6205, excellent in France in EE and Dutch, w/pops, ads, news, etc. (LM)

DX CALENDAR FOR OCTOBER

- 01 Cameroons Reunification Day - 1961
- 02 Nigeria Independence - 1960
- Guinea Independence - 1958
- 04 Lesotho Independence - 1966
- 09 Uganda Independence - 1962
- 10 Fiji Islands Ind. - 1970
- 12 Paraguay Independence - 1913
- 13 Fernando Poo & Rio Muni Ind. - 1968
- Ecuadorial Guinea Ind. - 1968
- 15 D. Rp. of Somali Ind. - 1969
- 21 Malagasy Independence - 1958
- 24 Zambia Independence - 1964
- 29 Turkey Republic Day - 1923

NOVEMBER

- 03 Panama Independence - 1903
- 09 Cambodia Independence - 1953
- 11 Rhodesia Independence - 1965
- 28 Mauretania Independence - 1960
- 30 South Yemen Independence - 1967

(HM)

BRITISH HONDURAS, Belize

According to a QSL just received, Radio Belize has extended their medium wave times and has dropped the shortwave outlet of 3300 completely. Another country gone!

(HM)

COLOMBIA

(Cf. June FRENDX); It has been discovered that Ondas del Meta (HJIG) is connected with the Gates Radio Company export services, so watch for a power increase from 5 to 10 kilowatts by this station in the near future. HJIG is on 4885, and are located in Villavicencio. (HM)

SICILY, Caltanissetta

04:00-22:00 on 6060/9515 1st Program;
 04:00-08:10, 08:30-12:30, 13:00-22:05
 Mn-St on 7175 2nd Program. 04:00-22:05
 Sn & Holidays 2nd Program on 7175.
 Nocturne on 6060/9515 from 22:05-04:00
 daily in four languages. Remember, according to NASWA rules, Sicily counts as a separate country. (According to the Sicilians it is also very much a separate country)-ed. Best chance seems to be the 7175 channel. (HM)

USA, San Francisco, CA

KGEE, 22:30-05:00, 9695/11955/
 15280, and 9670 w/50 kW GE HF Tx and a
 250 kW custom built HF Tx. L are SS,
 FP and EE (20:30, 11955; 14:30 15280) (EI)

MEXICO, Mexico City

XERMX, L IDs in Spanish, German, French, and English. 14:00-06:00 on 9705 w/20 kW. 14:00-06:00 on 11770 w/100 kW. 14:00-02:00 on 17835 w/100 kW. 14:00-03:00 on 21705 w/1 mW (that's what it says, people, although it's not even reaching here anymore - ed.) (JS)

GERMANY, FEDERAL REPUBLIC, Koln

From 01 AUG; GG to NA/CA from 02:00-04:15 will have 11865 instead of 11710. // to 6100/6145/9605/15165.
 EE sked: 09:20-10:20, 11795/15275/17845/21560. 21:00-22:00, 7130/9765/15275. 01:20-02:20, 7285/9545. 17:00-17:35, 11275/15275. 04:30-05:00, 7225/9565*. 05:45-06:30, 9690/11905*. 06:00-06:30, 11785/15320/17765. 10:45-11:15, 11785/15410#. 10:45-11:45, 17875/21600. 12:00-12:45, 15410/17765*. 17:15-17:45, 9735/11965*. 19:30-20:20, 9765/11785. (To NAEC): 01:30-02:50, 6040/6075/9735. (To NAWC): 04:35-05:55, 6075/6145/9545.

NETHERLAND, Hilversum

EE sked to NA: Ts & Fr only; 15:30-15:45, 17810/21570. 17:30-17:45, 17810. 18:00-18:15, 17810. Weekdays; 21:30-22:50, 9715/11730. Daily; 02:00-03:20, 11730. 05:00-06:20, 9715/11730. (RN and NASWA Headquarters)

I suppose before I give the list of NR helpers this month that I should say a little, since not only is this my last NR it is the last NR. It is not a time for mourning, however, since a most experienced man is going to be at the helm of the new, and more useful, column. I must thank all of you who stuck by the dying NR, and tell you that you and I know that we tried our best. Mr Michalenka was indispensable, and to you Hank, may you live to be 103 and six days. My best to all my friends; support FRENDX.

- MF = Marlin A. Field, MI
- LM = Larry Magne, PA
- MK = Mark S. Konen, WI
- SH = Steven J. Handler, IL
- Sd = Steven P. d'Adolf, MA
- EK = Edward Kusalih, ON, Canada
- SE = Steve Eisenberg, NJ
- HM = Henry Michalenka, RI
- EI = Edward J. Insinger, NJ
- JS = J. M. Smallshaw, WI



LOG REPORT

JERRY BERG - EDITOR
12 WESTGATE DRIVE, APT.101
WOBURN, MASS. 01801

Deadline 12th of the Month

This month I think you have effectively put to rest the theory that there isn't really much DX to be had in the summertime. Read on--

- 2390t INDONESIA Kotaradja, 7.5 kw, may be the one hrd at 0700. Fairly certain language was Indon. BBC-Tatsfield says not Tjirebon(ECS).
 2450 HAITI 4VSO, mx, Creole and FF, gongs and IS at 0830 (ECS).
3220t PAPUA R.Morobe, island mx, drums, singing, thought a Pidgin ID at 1000, but very noisy. Sked 0700-1200 (DW).
 3225 UNID. LA to 0200 s/off, or lost(DF). 3226, LA mx frm 0150(ECS).
 3227 LIBERIA ELWA, singing and lang anmts 2920, losr at 2100 (BP).
 3245 VENEZ R.Libertador, M&W in SS at 0156 (ECS).
 3250 S.AFR. Springbok R. w/N:E 0430, wx, TCs, IDs (RWP).
 3255 VENEZ LV del Tigre, *1004 w/ID (DW). Also hrd relaying Contiente network 1025 (BP), and with pop mx at 0140 (ECS).
 3259 JAPAN NHK HS, Japanese talks, 1020-1055 (DW).
3260 PAPUA R.Madang, native and pop mx, Pidgin talks, TC to 1100* w/GSTQ (BS). Tentative, w/island mx, Pidgin anmts, gong IS 1047, pop mx 1050, tentative ID 1059, 1100* w/GSTQ (DW).
 3264m CONGO RTVC-Brazzaville, believed the one here at 0105-0140 w/ native mx, FF ID as "Voix de la Revolution." NF (ARN).
 3265 GUYANA Guyana B/C Co, poor w/pop mx, EE comls 0200 (ECS), and EE prgm, Hindi mx, rel prgm 0900 and after (ECS, KL).
 3275 VENEZ R.Mara, mx 0210 past 0340 (DF), mx, ID 1015 (DW), local nx 1030 (BP). 3276, tentative, good mx, no comls, at 0205 (ECS).
 3285 S.AFR. SABC, good 0440, musical exercises 0450 (RWP).
3290 PAPUA New stn run by Admin. B/C Svc, hrd from 0800 to after 1100, frequent IDs, ancng as 2 kw. Reports go to Radio Central, Konedobu. Hrd stateside yet? (BP)
 3290 GUYANA Guyana B/C Svc, N:E 0205 (ECS), weak by 0330 (DF). Also at *0844 (GAC), and thereafter till around 0945 w/EE prgm, Hindi and pop mx, and TCs (JZ, RWP, ECS, DW, BF).
 3295 GHANA Unlisted fqy hrd w/EE to 2300*, //3325 (BP).
 3300 BURUNDI La Voix de la Revolution, on late past 2200 in late July, in FF w/Afr mx. Maybe running higher power? (BP).
 3300 GRENADA WIBS, N:E at 0200 (ARN, ER, ECS).
3308 ECUADOR Ondas quevedenas, Fiesta mx, late Sun arnd 0830-0900(BP).
3316 SIERRA LEONE Freetown, TC at 0630, mx, native nx 0635, BBC nx 0700, faded by 0715 (SPD).
 3320 S.AFR. SABC, EE/Afrikaans, IS at *0300, still good 0430 (RWP).
 3325 GUATEMALA R.Maya, up from 3320, rel svc and mx 0140-0203 (ARN). Also hrd at *1100 one morn, *1130 the next, in SS (BS), and SS ID 1133 (DW). Tentative, w/rel prgm 0245-0305* (BF).
 3325t VENEZ Maybe R.Monagas, LA mx, good at 0625, but QRM-QRN (JDT).
 3334t TAIWAN Maybe BCC in CC, big band and CC mx around 1130 (DW).
 3339 ZANZIBAR Chants after 0330, but nearly inaudible (DF).
 3365 DOM.REP. R.Exitos, SS opera and rock mx, 0239-0256 (KL).
 3375 BRAZIL R.Olinda Pernambuco, sports 0130-0200 (DF).
 3385 N.GUINEA R.Rabaul, Pidgin, choral mx at 1040 (ECS).
 3385 VENEZ R.Barcelona, ID 0347 (DF).
 3386t PERU Rdif.del Centro, Andean mx above Rabaul, 0945 (ECS).
 3390 ECUADOR R.Zaracuy, SS mx 0352-0401. CW QRM (KL).

- 3395 BRAZIL R.Cl.de Conquista, ID 0102, mx and comls (GLD).
3960 N.HEBRIDES R.Vila expected to be here, ex-3905, by the end of August, and up pwr from 500 watts to 2 kw by end of year (BP).
3985 ECUADOR Esc.Radiofonicas Populares, LA mx 0235, anmt 0240 (DP).
3985 INDONESIA(W.Irian) biak, pop mx, anmts. IS, clear ID 1259(DW).
3986 NIGERIA Lagos, fair in EE from 0430 to 0730 (DB).
4756 BRAZIL R.Maranhao, sports at 0130-0200 (DF).
4765 BRAZIL Feira de Santana, PF 2355, hrd thru CFE-Ecuador (DP).
4765 CONGO RTVC-Brazzaville, FF ID 0545, native mx to 0619 (SPD).
4765 ECUADOR CRE; ID and into mx 0124 (MAF), ads, nx, slow LA mx at 0400 (JMS). "Tijuana Brass" records at 0434 (JDT).
4767 COLOMBIA R.Catatumbo hrd w/LA mx at 2353 (DP).
4772 VENEZ R.Bolivar, exc at 0520 w/LA mx (JDT). Special late Fiesta prgm hrd, ID at 0605* (BS).
4777 GABON Libreville, Afr mx and FF anmts, 2215 (RFB), and same type programming after 0500 (RWP).
4780m ECUADOR R.Atahualpa, IDs, mx, fqys at 0431. Strong (DF).
4780 VENEZ LV de Carabobo, over other LAs at 0317 w/TCs and IDs after nearly every record (GLD).
4783 MALI Bamako, anthem at *0558, into some chants, some FF ballads. FF anmts, TCs, talk show 0660, Afr pops (RWP).
4794 ECUADOR LV de los Caras, SS ID at 0403* (BS).
4800 CONGO R.Brazzaville, FF at *1700, to 2115 (DB).
4800 LESOTHO R.Lesotho, BBC nx 0500 (TLA), mx past 0514 (JZ).
4800 VENEZ R.Lara, LA mx 2320 (RFB), SS 0140-0200 (DF).
4805t BRAZIL Rdif.do Amazonas, believed the PP stn hrd 0010 (DP).
4807 ECUADOR R.Popular, SS anmts and local pops at 0500 (TLA).
4807 SAO TOME Emis.Regional, opera mx, PP anmts, "AP" at 2301*(CRL).
4810 VENEZ R.Popular, SS anmts and mx, many IDs, at 0200 (JZ).
4820 GAMBIA Bathurst, IS 0628, chants, BBC nx 0700, local nx, BBC African nx 0730 (SPD, BF, DJ, MSK, TN, RWP, MSK). To MSK--it's still a 3.1 kw xmtr, Marconi, according to QSL (Ed).
4820 HONDURAS LV Evangelica, EE rel prgm 0300-0500 (ML).
4826 ECUADOR R.Luz y Vida, Andean mx, dedications, ID 0720 (BF).
4830 THAILAND Bangkok, nat'l mx, anmts, 10 gongs at 1300 (DW).
4832 COSTA RICA R.Reloj, SS anmts and U.S. pops at 0635 (RWP).
4839 CONGO R.Bukavu, good w/Afr mx, FF anmts 0430 (DF).
4840 VENEZ R.Valera, SS ID at 0400* (TLA).
4845 BOTSWANA Gaberone, BBC N:E 0500 (TLA).
4845 COLOMBIA R.Bucaramanga, ads, jingles, talks, IDs 0023 (CRL), and SS anmts, mx, many IDs at 0315 (JZ).
4845t HONDURAS Believed R.Catolica w/nx, ads, many mentions of Central America at 1000-1010 (BF).
4850 PERU R.Atlantida, sports 0330, ID at 0456* (MAF).
4870 DAHOMEY Cotonou, IS 0513, anthem, Afr mx 0515, FF nx 0530-0540, then mx (TN).
4871 INDONESIA(W.Irian) Sorong, pops 1335, amid heavy QRN (TLA).
4872a VENEZ R.Tropical, LA mx 0329 (JDT).
4875m BRAZIL R.J.do Brazil, drums, anmts, one PP ID, 0900-0930 (BF).
4880 DOM.REP. R.Comercial, mx and anmts to 0500* (RFB).
4900 VENEZ R.Juventud, 0430* w/anthem (DF).
4905 COLOMBIA Emis.Atlantico, SS anmts, mx, ads, ID at 0115 (JZ), on late Sun w/TC and ID at 0645 (BF). Also talk at 1105 (DP).
4910 DOM.REP. R.HIN, local SS pops at 0505 (TLA).
4915 GHANA Accra, N:E, cmtry 0612 via long path, not //4980 (BP).
4915 KENYA Nairobi, pop songs and ads at 1905 (RFB).
4920 VENEZ R.Caracas, R&R and SS anmts at 0250 (TLA) and 0735 (ML).
4925 BRAZIL PF nx 0035, partial ID as "Emissoras Brasileiras." Which stn? (JDT).

- 4926 RIO MUNI Bata, anthem at *0430, then Afr mx (TLA).
 4930 DOM.REP. R.Mil, *0958 w/anthem, into SS mx. Loud (ECS). Also light LA mx at 0300 (JMS).
 4932 NIGERIA Benin City, ID at 2300* w/anthem (BP).
 4940 VENEZ R.Yaracuy, LA mx at 0050 (RFB).
 4945 COLOMBIA R.Colosal, sports 0315 (RFB), SS mx 0740 (ML).
 4950 SARAWAK Kuching, good daily at 1200 nx, then tlk or mx (GAC).
 4955 COLOMBIA R.Nacional, LA mx and ID at 0100 (RFB).
 4965t ANGOLA R.Cl.de Malange, closing anmt and "AP" at 2301* (BP). Also hrd w/PP mx 2240, final ID, "AP" and off 2305 (Ed).
 4965 COLOMBIA R.Santa Fe, SS 0345 (RFB), and mx at 0730 (ML).
 4970 VENEZ R.Rumbos, SS at 0350 (RFB).
 4975 BRAZIL R.Timbira, PP talk and mx hrd at 0830 (DP).
 4975 PERU R.del Pacifico, EE "Nightline" prgm 0200-0300 plus (GAC).
 4990 VENEZ R.Barquisimeto, mx and SS anmts at 1140 (GT).
 4995 PERU R.Andina, mx and songs, clear ID at 0500* (RFB).
 5010 DOM.REP. R.Cristal, SS nx at 0220, into cmtry and mx (ER), pop mx 0410 (RFB), and SS mx at 0750 (ML).
 5010 CAMEROUN R.Garoua, Afr mx, then anthem at 2159* (CRL).
 5015 ANGOLA R.Cl.de Mocamedes, orchestra and vocal numbers 2205, to 2300* w/"AP" (BP). Tlk in PP till WBS f/in at 2238 (CRL). PP mx, ID before close, part of "Unchained Melody," 2301* (CRL).
 5017 COLOMBIA Trans.Caldas, mx 0310-0316 (KL), LA mx, IDs and jingles 0343 (RWP), LA mx 0815 (DP).
 5030 VENEZ R.Continente, cmtry and mx at 0213 (ER), soft mx, IDs arnd 0330 (RWP, KL).
 5038.5 C.AFR.REP. Bangui, w/mx, ID, hymn and anthem to 2303* (HM). Also w/Afr mx 0435 (DF), and FF tlks and local mx 0445 (MSK).
 5035t BRAZIL Maybe R.Anhanguera, all PP, no IDs, at 2300 (HM).
 5041 PORT.GUINEA Bissau, anmt 2329, vocals, abrupt 2338* (CRL).
 5047 TOGO Lome, IS 0527, rel message, nx and rock mx (MSK).
 5050 VENEZ R.Mundial, LA mx, SS ID noted 0110 (SPD).
 5053 BRAZIL R.Vitoria, hrd w/mx and anmts at 0230 (GLD).
 5060 ANGOLA R.Cl.do Huambo, tlk 2253, then mx, and s/off w/"AP" and bird chirps (CRL).
 5062t S.YEMEN Aden, may be the one hrd w/AA mx at 0430. No sign of Tirana (DJ).
 5075 COLOMBIA R.Sutatenza, nx 0130, mx 0132, ID as "LV del Atlantico" (ER).
 5095 COLOMBIA R.Sutatenza, sports in SS and EE 2314 (RFB), nx and cmtry 0115, //5075 (ER).
 5805t YEMEN R.Sanaa, anthem at *0300, maybe ID, chants. Poor (SPD).
 5954 COSTA RICA R.Casino, songs, ads, TCs at 0540-0600 (TN).
 5955 S.AFR. SABC, nx, wx and sports prgm, TCs, at 0510 (DM).
 5961 BOLIVIA Emisora Pio XII, pops, nx and ID 0238, better at 0935 (RWP). Tentative, at 0400* w/"River Kwai" march (JZ).
 5961 UNID. Latin w/bank ads, LA mx, M&W ancers from 0103, to 0402* w/anthem (JDT). See last item (Ed).
 5970 CANADA CBC, EE to S.Pacific at 0830 (ML).
 5970 PERU R.El Sol, IDs, pops noted 0630, 1000 and 0400 (RWP). Fair at 0326 (GLD), and past 0400 w/good mx, SS nx (DF).
 5975 S.KOREA KBS-Taegu, mx and tlks in HS prgm at 1345 (TLA).
 5980 EL SALVADOR R.Nacional, SS mx hrd to 0500* (ML).
 5980 S.AFR. RSA, EE prgm w/mx at 2230 (GT).
 5985 RUMANIA DF's unid. in August LR is Bucharest (Richard Wood).
 5985 TANZANIA Dar es Salaam, Afr mx and lots of noise at 0410(TLA).
 5995 MALI Bamako, FE and Afr mx to 2320, tribute to Louis Armstrong to 2358* (DF, SPD). Also Afr mx 0732 (TLA), to 0758* (MSK).
 6000 BRAZIL R.Inconfidencia, LA mx and ID at 0035 (RFB).

- 6005 CANADA CFCX, poor w/mx at 2115 (DF).
6006 COSTA RICA R.Reloj hrd w/LA mx 0833, nx 0835 (RWP). Also w/LA mx, many anmts at 1135 (GT).
6012m THAILAND Thai TV Co, Thai vocals and anmts, 1400-1420 (BF).
6015 ISRAEL Jerusalem, EE ID 2129, IS, s/on in FF to Europe on this experimental fqy (CRL).
6020 MEXICO Eco de Sotavento, full ID and fqys at 0600* (GAC).
6035 LIBERIA VOA-Monrovia, EE prgm at 0700 (JDT).
6045 INDONESIA Djakarta, in native at 1300, chimes, ID at 1500, to 1600* (AB).
6055 COLOMBIA R.Pacifico, nx 0239, ID 0258 (JDT).
6060t ARGENTINA R.Nacional, weak at *1300 w/SS anmts, no definite ID hrd (DB).
6060 SICILY Caltanissetta, HS at 2230 w/5-minute GG news (BP), and N:E at 0202 (RFB).
6070 CANADA CFRX, good 2120, but inaudible under Venez by 0350 (DF).
6070 THAILAND Bangkok, Thai pops and anmts by man at 1350 (TLA).
6070t VENEZ R.San Sebastian, guitar mx, SS anmts 1020, under CFRX(BF).
6075 COLOMBIA R.Sutatenza, SS anmts 0150 (ER), sports 0315 past 0400, //5075 and 5095 (RFB, DF).
6090 LIBERIA ELBC, mx and ID 0715, but QRN and a bad het (JDT).
6090 LUXEMBOURG RL, rock mx 0135, nx and wx 0159, 0201* (ML).
6092at CAMBODIA Phnom-Penh, local mx 1136, to 1205 t/out. No break at 1200 (JDT).
6093v SOMALIA Mogadishu hrd fairly regularly early August, *0300 w/ anthem, ID, short choral mx, then chants, in Somali. Genly gone by 0330. Don't confuse w/Baghdad-6090, *0230 (CRL, SPD, Ed).
6095t BRAZIL R.Tupi, PP tunes at 0827, mentions of S.Paulo (DJ).
6095 COLOMBIA Voz del Centro, ID 0336, under Peru (DF). Also at 1000 w/IDs, M&W ancrs (JZ), nx 1022, into guitar mx 1025 (RWP).
6095 PERU R.Nac.del Peru, ID 0334, mx and anmts past 0400 (DF).
6095t PERU R.Milochenta(presumed) at 0350, w/IDs for R.Nac.del Peru, but not //6082 (GLD). What's the story on this fqy? (Ed)
6105 BRAZIL Ceara R.Clube, on early Sun at 0840 w/clas.mx (RWP).
6105 COLOMBIA R.Vision, hrd w/IDs arnd 1045 as "R.Vision, otra emisora CARACOL en Medellin . . ." (BF).
6105 MEXICO R.Yucatan, good daily w/full ID 0500, local mx (GAC). Tentative, organ melodies but poor sig, 0600-0615 (BF).
6114.5 CONGO RFVC-Brazzaville, FF anmts, rel prgm 0530, then Afr vocals to 0600 f/out. Also hrd to 2230*, //4765 (BP). FF nx 2225, mx and tlks to 2235*, weaker and QRMed on //9715 (Ed).
6115 COLOMBIA LV del Llano, Todelar net programming at 0400 (GLD).
6115 MEXICO R.Universidad, mx lessons and organ mx, 0042 (MH).
6115 PERU R.Union, strong nightly after 0400, mx, many IDs (GAC). Also w/SS anmts and definite IDs at 0345 (TLA).
6120 HAITI 4VEH, bell IS 0112 during FF prgm (HM).
6120t VENEZ R.Angostura, long ads, some mx at 1040-1055 (BF).
6120 UNID. in SS w/orchestra mx, man ancr, and believe an "XE" call was ancd, so probably XETOC (MH).
6135 CHILE R.Universidad, *1127, "Musica y Noticias" past 1200 (BF).
6135 POLAND Warsaw, sports interview in EE at 0310 (JBa).
6140t NIGERIA Maidugari, local mx and lang anmts, 0515-0520 (BF).
6144 NIGERIA Calabar, pop mx, EE anmts, in the clear at 0520-0550 (BF). ID and nx 0600 (long path), ID 0610, gone by 0620 (BP).
6145 W.GERMANY Dw, EE at 0450 (ML).
6150 AUSTRALIA ABC-Melbourne, sports review at 0815 (TLA).
6160 COLOMBIA Emis.Nueva Grenada, SS mx and nx at 0030 (EP).
6165 MEXICO Voz Amer.Latina, ID 0515 (ECS), also interview, ads, bulletins, mx at 0505 to 0531 t/out (JDT).

- 6165 S.VIETNAM VTVN, Viet pops and anmts in lang at 1315, //9620, 11949 (TLA).
- 6170 VENEZ R.Nacional, pop, opera mx to 0115 (JDT, EP). Also TC and nx headlines at 0100 (ARN).
- 6175 ANGOLA Voz de Angola hrd w/PP and US pops, then closing ID, "AP" and off at 2300. QSL in says this fgy is 10 kw (Ed).
- 6180 VENEZ R.Turismo, SS nx and LA mx at 0050 (ER).
- 6185 MEXICO LV del Maestro, hrd irregularly arnd 1300 (GAC).
- 6185 ETHIOPIA R.Ethiopia, local mx 0350, to past 0400 (DF).
- 6195 S.AFR. Springbok R., mx, ads, EE and Afrikaans, at 0455 (MSK).
- 6195 TUNISIA Tunis, AA chants under SABC at 0455 (MSK). Fair w/AA chants, flutes and BBC QRM at 0510 (TLA).
- 6200 ALBANIA Tirana, ID 0240, then EE propaganda (ARN).
- 6204 INT'L WATERS RNI, pop mx from 0115, but blasted by Tirana s/on at 0130 (ECS). 6205, only fair to weak in Mexico, 0100-0200(GAC).
- 6238 UNID. Stn w/SS cmtry and LA mx at 0140, not Guinea or Cuzco(ER).
- 6252 PERU R.Cuzco, faintly one morn at 1022 w/SS mx, some anmts(RWP).
- 6265 GALAPAGOS LV del Galapagos, clear ID and mx to 0430* (GAC). Tentative, concert at 0350, off before 0400 (BF).
- 6280t CHINA Peking, CC at *0550, good level but RTTY QRM (DB).
- 6540 N.KOREA Pyongyang, talks in lang 0843, and mx (DJ).
- 7050 UAR Cairo, AA vocals at 0345 (DF).
- 7065 ALBANIA Tirana, AA talk by woman at 0350 (DF).
- 7110 DODECANESE IS. VOA-Rhodes, EE ID 0400, into AA. AA nx at 0500 (DF, MSK, ML, BP).
- 7115 CONGO Kinshasa, Congo mx 0353, FF anmts to past 0400.No RFE(DF).
- 7120 ENGLAND BBC, EE ID 0444, then into Bulgarian at 0445 (ML).
- 7120v ALBANIA Tirana, relaying Peking in EE at 0300 (ML).
- 7125 GUINEA Conakry, good w/nx in FF at 0435 tune (DF), nx and cmtry 0630. Recent political events may point to continuing anti-European/American feeling, and likely no QSLs (RWP).
- 7130 ENGLAND BBC hrd w/WS to 0415* (ML).
- 7130 W.GERMANY DW, IS 0439, into Turkish nx at 0440 (DF).
- 7140 CYPRUS BBC-Limassol, IS 0310, EE ID 0314, then Persian. AA at 0345. Lost after 0400 (ML).
- 7140 INDONESIA(Celebes) Ambon, island mx and anmts at 0810 (BF). Tentative, pop mx 1030, chimes 1100, then talk (JZ).
- 7140 JAPAN NHK, *1130 in Korean after IS (DM).
- 7155 JORDAN Amman, good w/chants 0345, AA tlk another day 0402 (DF). Also chants, good level, at 2250 (ECS). Tentative, in chants at 0355, w/ARO QRM and jamming (DJ).
- 7160 FRANCE Paris, EE nx, tlk 0515, into FF at 0530 (JMB).
- 7170 N.CALEDONIA Noumea, back here 0600-1100 after 4913 for a few weeks (BP). In FF at 0600 w/pop, instr mx and M&W ancrs at 0731 (DM, MH). See August LR, 3355, an error (Ed).
- 7195 LIBERIA VOA-Monrovia, N:E at 0540 (DM).
- 7205t CONGO R.Lubumbashi, chorus mx and FF anmts by lady, 0420 (BF).
- 7215 ANGOLA R.Ecclesia, PP talk 0510, mx at 0515 w/gongs between numbers (MAF). ID in PP at 0530, then nx (BS).
- 7215 BRUNEI Tutong, BBC transcription 1240, ID 1300, cmtry, world nx 1315. S/off 1430 w/GSTQ (GAC, AB).
- 7225 RWANDA DW-Kigali, Swahili tlk at 0410 (DF), FF at 0500 (DM).
- 7230 ENGLAND BBC, in GG at 0515 (WJS).
- 7230 PHILIPPINES FEBC, EE "Nx and Views" at 1150 (DM).
- 7230 SP.SAHARA Aaiun, hrd late July at 0805 w/chants, but gone by 0810 (DP).
- 7235 AUSTRALIA RA, *1500 in EE, but hvy QRM from RAI on fgy (RFB).
- 7235 SOL.IS. SIBS, EE ID 0900, native mx, lang lesson 0930 (JZ).
- 7240 IRAQ Baghdad, AA mx, male voice at 2300, good level 2300 (ECS).

- 7245 ANGOLA Emis.Oficial, PF anmts by M&W, pop mx, at 0540 (BF).
 7245 S.VIETNAM VTVN, vocals, pops from 1402, tlk at 1416 (maybe nx) to 1421 t/out (DW). Tentative, oriental mx, tlk 1115 (JZ).
 7270 SARAWAK Kuching, mixed prgm in oriental lang at 1430 (WJS).
 7270 S.AFR. RSA, world nx in EE at 0500 (JDT).
 7275 NIGERIA Lagos, N:E by M&W at 0602 (JDT). Also hrd w/Afr rhythms at 0620 (RWP).
 7280 LIBERIA VOA-Monrovia, N:E at 0610 (DM).
 7290 MONACO TWR, EE "Back to the Bible" at 0630 (MAF).
 7295t S.AFR. Ads in EE and another lang, mx, and an EE interview at 0600, but no ID hrd (MAF).
 7301 NIGERIA ECSB/CS-Enugu, drum IS at *0530, then N:E. Poor (BF).
 7416 N.VIETNAM Hanoi, tlk, revolutionary songs hrd at 1030 (DJ).
 7470 CLANDESTINE R.Liberation, hrd under intense jamming, 1031 (DJ).
 7547 N.VIETNAM Hanoi in HS w/talks at 1035, between two jammers(DJ).
 8630 LIBYA Tripoli, AA vocals 2125, ID, then drama to 2200, songs, and 2300*, after choral anthem (CRL, ECS, Ed).
 9009 ISRAEL Tel Aviv xmtr site, in RR at 2215, and better than 9625 and 9725 (ECS).
 9360 SPAIN RNE, SS ID 0300, then into mx (RB).
 9475 UAR Cairo, N:E at 0215 (ML).
 9480 USSR R.P&P, 0030-0100 to LA, w/Arab QRM (JMS).
 9505 GUATEMALA TGNB, mx and EE anmts at 0145 (HM). Rel prgm 0315 under an Arab stn (ML), my prgm in EE 0330 (MH). Also hrd 0355 w/rel prgm and EE IDs (MSK).
 9505 SUDAN Omdurman, *0300, chants, then AA nx 0330-0345 (TN). Mx 0455, tlks by lady at 0500 (TLA).
 9510 ASCENSION IS. BBC, N:E at 2200, excellent level (HS).
 9510 VENEZ R.Barquisimeto, SS pops and many IDs at 2330 (RWP). Nx 0032, more mx (RB). Also hrd around 2115 (ARN).
 9515 ARMENIA Erevan carrying RM AA svc, booming in at 0425 (DF).
 9515 MEXICO Voz de Amer.Latina, clear IDs 1550 (GT). Excellent daily from 1600 past 2000 (GAC).
 9515 URUGUAY R.Sarandi, IDing as R.Centro, SS talking at 0006 (RB).
 9520 DENMARK R.Denmark, Danish cmtry 0030 over Pt.Moresby (BP).
 9520 PAPUA ABC-Pt.Moresby, EE ID and fqys ancd 0745 and 0800, Pidgin talk rest of time(TN). Hrd to extended 0800* (AB).
 9520 PERU R.La Cronica, pops 0345, SS ID 0350 (TLA). Also anmts, mx, many IDs at 1120 (JZ).
 9520 SPAIN RNE, vy strong w/IS at *0000 (ARN, CRL). Hrd in SS at 0220 tune. Is new Nobeljas xmtr site, mentioned in 0228 ID(GLD). 350 kw (SCDX). Also SS mx and cmtry, 0030-0158 t/out (RWM).
 9525 S.AFR. RSA, EE at 2145-2149* (ML).
 9535 PERU R.Nac.Tacna, anmts, mx, ID 0100, off abruptly 0120 (JZ).
 9540 CZECH Prague, EE nx, cmtry, local mx at 0100-0157 (RWM).
 9540 N.ZEALAND RNZ, N:E 0735, mx 0745 (DM, TN). Also 0628 (DJ).
 9540 POLAND Warsaw, hrd w/nx, mx and interview at 2237 (JDT).
 9545 MEXICO Lv de VeraCruz, hrd from 1200 to arnd 0100, when Euros dominate. No ID hrd, but is a clear VeraCruz jingle (GAC).
 9545 W.GERMANY DW, fair to poor at 0335 in Swahili (F). EE 0430(HS).
 9550 BELGIUM RTB, FF nx at 0030, EE "Belgium Speaks" at 0050 (DM).
 9550t TANZANIA Dar es Salaam, perhaps. Seemed Swahili nx by man and Afro mx at 1300-1310 (BF).
 9555 EL SALVADOR R.Nacional, SS and EE mx, many SS IDs, at 1210(SPD).
 9555 MEXICO La Hora Exacta, Mexico, D.F. hrd occasionally arnd 1800 w/TCs every minute, interspersed w/ads (GAC).
 9560 CUBA Havana, ending "Voice of Vietnam" at 0230, giving ID(RB).
 9560 CYPRUS BBC-Limassol, WS under RBI at 0335, //15420 (DF).
 9570 CHILE R.Portales, good 0743-0800 w/SS mx and comls (KL), and

- vocal mx, IDs and TCs arnd 0815 (MH). Also mx 1235-1250 (BF).
- 9570 NIGERIA R.TV-Kaduna, hrd w/AA chants 2210, to 2215* after EE ID and anthem (Ed). Tentative, EE pops and anmts, N:E 0530 (DJ).
- 9570 PERU R.Nac.Puno, good at 0630 w/infrequent "R.Nac." IDs (RWP).
- 9570 QATAR Doha hrd once only, 8/7, w/IS repeated 12 times from 0227, under Bucharest. 4 pips at 0230, AA anmt, and then chants. Gone by 0239 (Ed).
- 9575 ITALY RAI, ending Czech prgm 2155, into Slovak. Not hrd on listed 6075 (BP).
- 9580 AUSTRALIA RA, nx, mx, talks, 1115-1215, //11710 (WJP).
- 9585 BRAZIL R.Nac.de SaoPaulo, PP ID 0932, then cmtry (DJ).
- 9590 CHILE R.Pres.Balmaceda, mx 2300, ID and nx 0000, more mx 0010 (TN, JZ).
- 9595 JAPAN NSB, EE/Japanese lesson at 1045-1100 (DM, JZ, KL).
- 9610 AUSTRALIA ABC-Perth, 1100 (ML).
- 9610 CYPRUS BEC-Limassol, *0400 in Polish, over Perth (BP).
- 9615 VATICAN VR, Japanese nx 2200, NF ex-9645 from mid-July (BP).
- 9620 YUGOSLAVIA Belgrade, N:E at 2200 (JDT).
- 9625 CANADA CBC, nx, "Thursday Magazine," "Crosstalk" 0830 (MH).
- 9635 HAITI R.Lumiere, apparently reactivated. Lite mx 1859, ID 1900, talk by man, ID again 1905, more talk (DP).
- 9640 S.KOREA VoFK, good in EE at 0900 (DM).
- 9645 COSTA RICA TIFC, fair in EE, 0300-0409, w/rel prgms (JMS).
- 9652 THAILAND Bangkok, chimes 2330, Thai nx. Don't confuse w/VOA-Philippines in Cambodian on 9650 at this time (BP).
- 9655 PERU R.Nor Peruana, hrd w/LA mx at 1645 (DP).
- 9660 AUSTRALIA ABC-Brisbane hrd w/N:E at 0835 (TLA).
- 9660 VENEZ R.Rumbos, ID and list of net stns at 0334 (DF). Also at 1010 w/nx, comls (RWP), and chimes, fast talk at 1110 (JBa).
- 9665 MALAYSIA RM-Kuala Lumpur, N:E at 1400, good level (GAC).
- 9674t BRAZIL R.Diario da Manha, talks and mention of Brazil from t/in at 1003. No IDs noted (DJ).
- 9680 AUSTRALIA ABC-Melbourne, VLR9 good w/wx, nx, stock rpts to 0830, VLH9 w/nx and commentary thereafter (MH).
- 9680 S.AFR. Springbok R. hrd w/N:E, good at 0600 (AB).
- 9685 PERU R.Continental, "Musica de la Medianoche" 0500-0525 (BF), and pop mx to 0600* w/ID and "Born Free" (BS).
- 9690 RWANDA DW-Kigali, *0545 in EE (VA).
- 9695 UNID. Talks in Japanese, rel format, 1130-1200. EE ID at 1200 as "Voice of . . ." and pips, then hymns. Jammed (BF).
- 9700 BULGARIA Sofia, hrd w/folk mx, YL ancr at 0030 (HS). Budapest reported here last month should have been Sofia (DF).
- 9710 PERU R.Tropical, SS talk, superb level at 1500 tune (DP).
- 9715 NETH.ANT. RM-Bonaire, EE nx and mx to UK at 2000-2120 (WJP).
- 9720 S.AFR. Springbok R. hrd at 0545 in EE and Afrikaans, gongs and ads. Listed s/on is 0635 (BP).
- 9730 NETH.ANT. TWR, SS to SA w/rel prgm, good signal at 0916 (MH).
- 9770 AUSTRIA Vienna, EE to ECNA 2300-2400, excellent (DB). Also hrd 0000 w/ID and nx (VA).
- 9770 RSFSR(As) Vladivostok, w/RM nx at 0200 (VA).
- 9825 ENGLAND BBC, IS, EE ID 0315, into Persian, and good (DM).
- 9833 HUNGARY Budapest, DX prgm in EE hrd at 0310 (DM). Also hrd to 2200* in EE (WJP).
- 9840t AZERBAIJAN Baku, w/RM organ interlude mx 2358-0010, very low and under big carrier (ECS).
- 9915 RYUKYU IS. VUNC-Okinawa, lady speaking in Korean at 1045 (RWP).
- 9935 INT'L WATERS RNI, pops, Dutch ads, EE nx and wx at 1800 (LM). Also arnd 0100 w/usual pops, TCs, IDs, etc (AAM, TN, DJ).
- 9850 UAR Cairo, very weak w/chants at 0500 (WJS).

- 9988t CLANDESTINE(Cambodia) Tentative, VoFUNK, weak w/oriental mx from 1219, but gone by 1227 (GLD).
- 10000 HAWAII WWVH, time every minute by YL before WWV, 0448(ML,RFB).
- 10010a UNID. Stn w/anti-war slogans, protest songs, arnd 2200 (RFB).
- 10010 CLANDESTINE(Viet) R.Liberation, tlks at weak level, 1033 (DJ).
- 10015 UNID. Asian stn, weak w/talks by woman at 1123. R.Liberation was hrd same day at 1033 on 10010 (DJ).
- 11630 UAR. Cairo hrd at 0230 in lang, not //to 9475 EE svc (RWP).
- 11650 CHINA Peking hrd e/EE to Europe *2030-2225*, UTE QRM from 2155, //9030. NF ex-11675 (LM).
- 11674v W.PAKISTAN Karachi, N:E at 0025, then into chants (AAM). Hrd w/native mx to SEA to 0100 (SPD). IS, nx and EE cmtry at 1943, native mx, and ID at 2030 (JZ).
- 11675 UNID. LA stn hrd arnd 0320, one reference perhaps to "Radio . . . Cuba" (MAF, rptng it as 11680a). This is a Cuban radiotelephone utility stn, often hrd here lately w/sports prgms. ID hrd for R.Rebelde, so may be picking up prgms from them (Ed).
- 11700 VATICAN VR, EE religious nx to Afr hrd at 1627 (AAM).
- 11705 SWEDEN Stockholm, EE mailbag, mx hrd at 0350 (JBa).
- 11710 AUSTRALIA RA, IS to 1115, then nx, mx, mailbag (HS).
- 11710 N.CALEDONIA Noumea, poor at *0601 in FF (DM). Also w/FF songs at 0725 (JDT), island mx 0750, ID, FF talk 0800 (TN).
- 11715 SWITZERLAND SBC, EE nx and features at 0400-0430 (RWM).
- 11720t INDONESIA, but big maybe. Lady's voice hrd 0900, vy hard to copy. Demolished by CBC s/on at 1100 (RWP). See 11792 (Ed).
- 11730 HOLLAND RN, N:E, concert hall, cmtry, features, *0200-0320*(RWM)
- 11750 MALAYSIA BBC-Tebrau, local ID 0855, prgm summary, BBC WS nx at 0900 (ML).
- 11755 ARGENTINA R.El Mundo, hrd after 0130 w/SS, nx, TCs, pops (BF). Also at 0305 w/mx prgm, ID 0308, but faded by 0318 (MAF).
- 11755 CANADA CBC, test to Eur and WCNA at 0005, EE and FF anmts(TLA).
- 11775 SPAIN RNE, NF, higher power, hrd 2215-2225 in SS (ARN), and also to 0345* (RBO).
- 11790 MONACO TWR, ending RR prgm Sun 0625, NF ex-9715 (BP).
- 11792 INDONESIA Djakarta, NF ex-11720, weak 0800, strong 1300-1600*, //6045. Chimes hrd at 1500 (AB).
- 11795 ETHIOPIA ETLF to Madagascar at 0330 in native lang (WJS).
- 11800 CANARY IS. RNE, *1955 in SS. Also hrd w/mx at 2330 (ML).
- 11810 INDIA Delhi, EE hrd 1400-1500, w/nx 1455. Fair to good (AB).
- 11810 ITALY RAI, N:E 0100, then mx to 0120 (ML, JBa).
- 11835 ALGERIA Algiers, hrd at 0730 w/FF nx by man (TLA).
- 11835 CANADA CBC, testing new xmtr to WCNA 0200-0230, //15165(AB).
- 11835 URUGUAY R.El Espectador, weak w/nx at 0203 after Haiti goes off. ID at 0215, but much heterodyne QRM (RWP).
- 11845 CANADA CBC, test xmsn to Eur in EE, 1915-2000 (WJP), and in EE and FF to WCNA at 2228 (BF).
- 11850 GHANA Ejura hrd *2000-2058* to NA, w/Afr nx (TB).
- 11850 USSR R.Vilnius prgm, s/on in EE on Fri at 2230. Also hrd on 11775, 12030, 12050, 11790 (BP).
- 11855 BRAZIL R.America, hrd w/sports, ads, old records, 2336-2359*, ending w/"Boa Noite" (BF).
- 11865 CANADA CBC is now relaying DW in GG, 0200-0415, //15165. Is new xmtr, and only CBC ID is before DW ID, during DW IS (AB).
- 11875 NICARAGUA R.Nacional, TC and full ID 1331, then mx (BP).
- 11880 AUSTRALIA RA, nx, mx, "Young World" 0905, until NHK s/on at 0925 (MH).
- 11885 RUMANIA Bucharest, letters and DX prgm, 0327 (JBa).
- 11886mt BRAZIL R.Maua, PF reportage, some mx, "Maua" seemed mentioned a few times. Hrd 1015-1100 (BF).

- 11890 E.GERMANY RBI, EE 0100 (ML), N:E 0113 (AAM). Also hrd w/nx, press review, DX 0230-0300 (JBa), and cmtry 0311 (VA).
- 11900 MALAYSIA RM-Kuala Lumpur, fair in EE at 0820, IS on chimes. //6175 not heard (MH).
- 11900 USSR R.Kiev prgm, in EE 0030-0100, Tues/Fri/Sun (ML, WJP).
- 11920 IVORY COAST Abidjan, *0600 w/anthem, Afr mx, anmts, to 0620 fade (JDT). Strong at 0630 (RWP).
- 11920 PHILIPPINES FEBC, EE rel prgm 1215, ID 1230, more EE (TN). Also in EE at 1350 to 1400* (JDT).
- 11925 BRAZIL R.Bandeirantes, PP talk 2225, ID 2230, strong QRM (JDT).
- 11940 LIBERIA ELWA, EE rel prgm under Bucharest hrd at 2030 (EP).
- 11940 SINGAPORE R.Singapore, daily at good strength arnd 1300 (GAC).
- 11949 S.VIETNAM VTVN, in Viet at 2250, down 1 kHz as usual, and hetting w/RM to LA on 11950 (BP).
- 11960 MALI Bamako hrd at unusual hour of 1035 w/pop and Afr mx, anmts in FF. ID 1101, faded by 1120 (Ed).
- 11970 LEBANON Beirut, N:E to US at 0230 (RFB), still on at 0300. NF (ARN). Also hrd w/US pops, 0200-0230 (JBa).
- 11990 TADZHIK Dushanbe (listed), w/clas.mx at 1345 (TLA).
- 12000 AUSTRALIA VNG-Lyndhurst, pips and anmts every 15 minutes, between 0450 and 0755 (RFB, MSK, DB, TLA).
- 12030 USSR R.Vilnius prgm at 2230, nx, cmtry, //9775, 11775, 11850, 11930, 12050 (MSK).
- 14482 CLANDESTINE(Rumania) R.Esp.Indep, SS, w/IS, ID, anmt and mx at 2029. Sig dropped after 2030 (GH).
- 15008y N.VIETNAM Hanoi, EE ID 1316, pops, to 1325* (ARN). Also good in Japanese to 1455* (DM), FF ID by M&W and martial mx 1830 (TLA), and *2000 w/N:E (MSK).
- 15080a UAR Cairo, EE anmt at 0200 (JMB).
- 15084 IRAN Tehran hrd w/Turkish, AA, GG nx and mx at 1815-2030, then prgm for Iranians abroad to 2130* (JMB). Hrd arnd 1930 w/Persian mx and talks (RWP, RB).
- 15097 W.PAKISTAN Karachi, AA nx 1800, AA mx 1815 (MSK).
- 15100 GRENADA WIBS, pop mx 2336 to 2356* (AAM).
- 15110 N.ZEALAND RNZ, nat'l prgm 2035, nx 2100 (DW). Soccer 0345 (DM).
- 15115 UNID. w/pop mx, anmts in unid. lang, jamming, 0050-0100. RPE? (BF).
- 15120 CEYLON Colombo, poor w/"Morning Show" 0232 (DJ), mx request prgm 1510 (DM), oriental chants 1600 (HS), EE rel prgm 1655, BBC nx 1700, then pops and IDs. Coml Svc (MSK).
- 15140m USSR Riazan (listed) "Govorit Kiev" ID hrd 2230 (ARN).
- 15145 BRAZIL R.J.do Comercio, mx, PP ID 2258. Poor sig (RB).
- 15145 SPAIN RNE, new xmtr, SS 0100 and after, ID 0230, still going 0300 (ARN, WJS, RB). Also hrd relaying Vatican R. to 0320, //15365 (DF).
- 15150 N.KOREA Pyongyang hrd w/EE cmtry at 1140, to 1155* (RBO).
- 15155 BRAZIL R.Tupi, PP talk, ID by man 0115, then mx (RB).
- 15155 S.KOREA VoFK, EE to Europe 0600-0630* (RBO).
- 15165 CANADA CBC, test to WCNA 0200-0230. Special QSL rcv'd (JBa).
- 15165 DENMARK R.Denmark, Danish prgm, EE ID, 1200-1230 (ERi).
- 15165 W.GERMANY DW, IS 0158, then GG ID, nx and cmtry to 0215 t/out (RWM).
- 15165 SYRIA Damascus, ending FF 1930, then N:E, cmtry, pop mx (AAM, TN, ERi). Also N:E, pop mx at 2030-2100 (JBa).
- 15165 TURKEY Ankara, poor at 2227* (DM).
- 15170t PHILIPPINES R.Veritas, one day only 1130, poor modul. (RWP).
- 15170 TAHITI Papeete, EE lesson 0232, tlk and mx 0300. Mx 0341, good at 0400 (AAM, DM, JMB). *0300 w/flute, banjo, varied mx (RWP). Tahitian talk and mx hrd at 2100-2115 (DW). 15173, opening 0230 w/EE lesson (ARN).

- 15170 LIBERIA ELWA, IS 1958, into FF. Much QRM (RWP).
 15.70.3m FINLAND Helsinki hrd here at *0955 in Finnish, Swedish and EE, ancng 9550, 11755, 15185 (none heard) (MH).
 15185t BRAZIL R.Cult.da Bahia, vocals, PP anmts 0220 (BF).
 15185 NIGERIA VoN, talks and mx in EE at 0635 (ML).
 15185 PHILIPPINES VOA-Tinang, nx at *2200 (DM).
 15190 CANADA CBC No.Svc hrd 0150-0207 (JMB), and 0300 (WJS). Also hrd testing new xmtr in EE at 0830-0930 (AB).
 15190 CONGO Brazzaville, EE "Paris Calling Afr" 2045 (RFB), and N:E 0515-0530 (KL).
 15190 TURKEY Ankara, EE ancmt 2130, N:E 2200, to 2230*, //15165. Recent NF (ARN, ERi, HS, JMB).
 15235 SWITZERLAND SBC, SS to LA hrd to 0045* (ERi).
 15240 AUSTRALIA RA, N:E 0234 (AAM).
 15245 CONGO Kinshasa, Afr mx 0225, FF ID 0230, more Afr mx (TN).
 15250 RUMANIA Bucharest, under BBC, in SS at *0058 (BF).
 15265 AFGHANISTAN Kabul hrd w/wx, nx, EE cmtry at 1805 (MSK).
 15265 BRAZIL R.Excelsior, nx 2220, "Voz do Brazil" 2256, ID 2300(MAF).
 15270 CUBA Havana in SS w/mx, cmtry and IDs 0045 to 0110 t/out(RWM).
 15270 SEYCHELLES FEBA, poor to fair at *1645, ex-15265 (AB).
 15273 URUGUAY SODRE, variety mx 2215-0215, between KGEI and Havana, and an unid. on 15275 (MAF).
 15280 HAITI 4VWI, rel nx in progress at 1215 (ERi).
 15295 NETH.ANT. TWR, *2140 after IS, into FF (RB).
 15295 SWEDEN Stockholm, EE 0030-0100, Swedish 0100, SS 0130, EE to 0230* (JMB).
 15300 JAPAN NHK, ID, N:E 1300 (AAM), N:E 1400 (DB).
 15305 USSR Voronej (listed), RM IS at *2000 in lang (MSK).
 15315 SWEDEN Stockholm, EE DX prgm at 1422 (JBa).
 15320 AUSTRALIA RA, IS, FF ID, pop mx at 0429 (JDT).
 15325 CANADA CBC, "Lstars Corner" to Eur, 1220 (JBa), FF 2000 (ML).
 15330 ITALY RAI, hrd w/IS for 5 minutes to 0140 (JMB).
 15340 ITALY RAI, end of EE prgm, then IS, at 0410 (RB).
 15345v GREECE Athens. August LR should be IS 2159, Greek nx 2200 (TN). Hrd w/EE anmts and nx to 2220, then FF to 2230* (ER, TLA). Also in lang. mx and cmtry 2210-2230* (RWM).
 15345 KUWAIT R.Kuwait, flute IS, *0400 w/EE ID, then easy lstng mx. Also wx, nx, mx, talks 0515-0605*, about the same at 1825-2100 (JMB, JDT, TLA).
 15345 UNID. w/talk by man, pop mx, vy poor, 2115. Maybe Greece?(MSK).
 15350 USSR RM, EE to Afr, 0515 (WJS).
 15355 AUSTRALIA RA-Darwin, strong in EE, sked 0530-0800 (AB).
 15360 LIBERIA VOA-Monrovia, *1700 w/EE ID, into Swahili (GT).
 15360 MONACO TWR, IS, weak EE anmt 0530, then into Zulu (RBO).
 15365 CANARY IS. RNE, SS mx, sports, IDs, arnd 1930 (MSK). Also SS nx 0006, mx 0015 (ER), to 0500* (RB).
 15400 IRAQ Baghdad, bird chirp IS 0225, chants 0230 till AA nx and cmtry at 0300. Also hrd w/M-E singing 0312, and AA nx 0401 (ER, JMB, RWP).
 15410 ITALY RAI, *0100 in EE w/nx after ID (RB).
 15415 E.GERMANY RBI, hrd in FF to Afr at 1920, QRM from VOA on 15410 (TLA).
 15415 KIRGHIZ Frunze (listed), RM in oriental talk, 2300 (TLA).
 15415 SEYCHELLES FEBA, EE test to M-E, 1650-1800, ex-15260 (AB).
 15425 AUSTRALIA ABC-Perth, good w/N:E by man at 0405 (TLA). Hrd w/horse racing 0406 (AAM).
 15430 S.KOREA VoFK, good w/EE to NA at 0900. Who's up to hear this anyway, besides DXers? (MH) Sleepy editors . . .
 15430 PHILIPPINES FEBC here for morning xmsn in late July, ex-15440.

- N:E 0135 (BP).
- 15440 CANADA CBC, test xmsn to WCNA and Eur in EE and FF, and mx, 0030-0400* (JMB, BF).
- 15440 PHILIPPINES FEBC, N:E 1535, then rel prgm (JBa).
- 15445 USSR R/S Rodina prgm 1600, then R/S Atlantika prgm later at 2000, both on RR w/mx and nx (HS).
- 15445 LIBERIA VOA-Monrovia, hrd w/mx requests at 1949 (VA).
- 15450 ENGLAND VOA-Woofferton, special EE 0700 to SEA (DB).
- 15450 USSR RM, *1800 w/IS, then FF mx, nx and cmtry (MSK).
- 15455 USSR R/S Rodina prgm, *1800 w/IS, ID, then mx (MSK).
- 15475 UAR Cairo hrd at 1745 w/AA mx and tlks, nx 1800 (MSK).
- 15520 E.PAKISTAN Dacca, N:E at dictation speed, 1755, to 1800*(MSK).
- 15640 USSR RM hrd w/N:E, cmtry at 1100 (ERi).
- 17655 UAR Cairo hrd w/pop mx, EE, at 1811 (AAM).
- 17715 AUSTRALIA RA-Darwin, strong 0030-0800, ABC nx 0130 (AB).
- 17720 FRANCE Paris hrd in FF to LA at 2300 (EP).
- 17720 TAIWAN VoFC, EE nx, cmtry, mx to 0320, then another lang. Hrd to 0350 (JMB). Also hrd poorly in EE w/CC mx at 0230 (DM), and w/EE talk at 1820, //15125, 15370, 17890 (TLA).
- 17740 AUSTRALIA RA, NF ex-15125, in EE 0738, //11765 (RBO).
- 17785 JAPAN NHK, N:E, cmtry at 2100, Japanese 2115 (TN).
- 17790m JAPAN NHK, ancng 17785, w/EE anmt and IS 0258 and 0358, into SS at 0415, to 0430* (JMB).
- 17795 AUSTRALIA RA, pop mx 2327, then N:E (JDT).
- 17795 NORWAY Oslo hrd poorly on Sun in EE at 2212 (ML).
- 17800 ITALY RAI, IS 0414, lang talk and nx to 0433 (JMB).
- 17810 HOLLAND RN, "Happy Stn" prgm in SS at 2215 on Sun (ML).
- 17815 CUBA Havana, EE to Europe, poor at 2120 (RFB).
- 17825 JAPAN NHK, EE to 0230, SS to 0300*, //17725 (JMB).
- 17825 NORWAY Oslo, hrd in Norwegian to SA, 2220, //21730, 17795. Apparently replaces 21655 at 2100-2230 (BF). Also hrd in EE at 2220 on Sun w/"DX R.Norway," better on 17795 (ML).
- 17840 SWEDEN Stockholm, FF mx, EE ID 0515, to Aus&NZ (RBO).
- 17855 CANADA CBC No.Svc, sports after *2200 w/IS (ML).
- 17870 GHANA Ejura, nx, comment and Afr mx to 1430* (AAM, GT).
- 17880 JAPAN NHK, EE Genl Svc to Asia, good at 0505 (DM).
- 17880 MALAYSIA BBC-Tebrau, NF, EE w/mx hrd at 1145 (DB).
- 17885 CYPRUS BBC-Limassol, hrd at 0700 w/world nx (RFB).
- 17885 PORTUGAL Lisbon, PP 0050, SS 0100, not hrd on 21495 (BP).
- 17890 AUSTRALIA RA, N:E, mx hrd at 0330-0435, //17715 (JMB).
- 17920 UAR Cairo, EE-AA lessons hrd at 1408 (AAM).
- 17935 W.PAKISTAN Karachi, N:E at dictation speed at 1341 (AAM). Also hrd in AA at 1800, fair to poor (TLA).
- 21460 ECUADOR HCJB, EE press rvw to Europe at 1940 (TLA).
- 21640 NETH.ANT. RN, IS and anmts 1826, EE to Afr 1830. Also on Sun w/"Happy Stn" prgm to 1950* (ML).
- 21655 NORWAY Oslo, EE ID before 1830* (ML).
- 21690 GRENADA WIBS, BBC nx at 2000, best around 2130* (AB).
- 21705 MEXICO XERMEX, like a local arnd 1300-1400 (HS). Also hrd w/EE, SS, FF and GG IDs and mx at 1708 (ML), and w/EE, FF and SS anmts and mx at 2330 (ER).
- 21740 AUSTRALIA RA, EE to NA from 0100-0300, //17795 and 15320, all three good (TN). Latter two not hrd (TB).
- 21745 USA VOA-Dixon, hrd in EE at 2200 (DB).

"Unidentified"--"Tentative"--"Identified"--What do they mean? For the most part it depends on the individual listener. All stations can be placed on a continuum ranging from "unidentified" to "identified." To my way of thinking, an unidentified station is one for which the

Thanks to this month's faithful:

AAM Albert A. Miller, Jr, Ohio/HRO500	JBa John Banta, N.Y./SX110
AB August Balbi, Calif/SPR4	JDT John D. Tuchscherer, Wis/HQ100A
ARN A.R. Niblack, Ind/SX100, HQ200	JMB John M. Burns, Fla/HQ180A
BF Bill Flynn, Calif/HQ180A	JMS John M. Smallshaw, Wis/GR64
BP Bob Padula, Aus/CR100	JZ Jim Zabransky, Jr, Ill/SB310
BS Bill Sparks, Calif/R4B	KL Kenneth Lazear, Ohio/SX130, BC348
CRL Chris Lobdell, Mass/SW4A	LM Larry Magne, France/Sony Ptbl
DB Dean Bianco, N.Y.	MAF Marlin A. Field, Mich.
DF Dan Ferguson, W.Va/SB310	MH Mike Hardester, Calif.
DJ Danny Jamison, Va/SW4A	ML Mitchell Lewis, N.C./GR54
DM Doug McLellan, N.M./GR64	MSK Mark S. Konen, Wis/SX71
DP David Potter, Fla/DX150A	RB Ron Bruns, Mo/DX150A
DW Dave Williams, Ore/SPR4, 75S3C	RBO R.B. Odlin, Wash/R4B
ECS Edw. C. Shaw, Va/SX130	RFB Robt. F. Bruce, Scotland/Edystn940
EP Edw. J. Pyatt, S.C./HQ100	RWM Robt. W. Moser, Ill/R4B, SX62A
ER Evan Rosen, N.Y./SX133	RWP Ralph W. Perry, Ill/S85
ERi Ed Ricchezza, Pa/SW4A	SPD Steven P. d'Adolf, Mass/R530
GAC Gregg A. Calkin, Mex/SW4A, S108	TB Tom Blossom, Ind/2B
GH Glenn Hauser, Texas/HQ160	TN Tom Neely, Mich/DX150A
GLD Gerry L. Dexter, Wis/HQ180, R4B	TLA Terry Lee Adkins, Calif/SW4A
GT Gary Toncre, Fla/DX150A	VA Vic Argabright, Colo/GR64
HM Hank Michalenka, R.I./GR54	WJP Wm. J. Plum, N.J.
HS Howard Stevens, Mich/DX150A	WJS Werner J. Selby, Calif/SPR4
	Ed Jerry Berg, Mass/SB310

listener has no substantial basis for concluding it is one station instead of another. If you hear a weak oriental speaker on 11910, for example, and if you know several can be heard there but there is nothing to indicate which it might be, the station is unidentified.

A bit further along is the "tentative," which has not been identified but for which there is some reasonable basis for believing it is one station rather than another. This basis can be the result of many factors, and will vary among DXers. Factors include time of reception, language, type of program, carrier quality, familiarity with anthems or propagation conditions, etc. Experienced DXers will have a greater understanding of these than the newcomer, and so will be better able to designate a station "tentative" than "unidentified."

A station is positively identified when an ID is heard and understood. At times, however, a station can be satisfactorily identified even without an ID. Who, for example, would consider familiar voices over the VOA as not identified? Or the BBC on 15070? Those who have heard these stations over the years might well consider them identified even when no ID is heard. Smaller stations can also be considered identified by those familiar with their programming.

Each DXer must make his own decisions, based on his evaluation of his familiarity with the above factors. But the most important thing to remember is that what is "unidentified" to one listener might be "tentative" or even "identified" to another. This is so simply because listeners vary in their familiarity with languages, anthems, band conditions, etc. When reporting to Log Report, do your best to identify fully the stations you hear--spend enough time with each station to do the best job you can identifying it. But don't feel bad about an "unidentified" or "tentative." After all, what fun would the hobby be without them?

To change the subject, thanks to all those using the reporting form this month. A supply can be had by sending a business-size, self-addressed envelope with 16¢ postage to me or to HQ. Good DX & 73!

JERRY BERG

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AL NIBLACK-EDITOR, 420 SHELBY STREET, VINCENNES, IND. 47591 DEADLINE 23rd OF MONTH

TURK & CAICOS IS (FLASH) Just as we go to press, Larry Magne, Pa., flashes that the rare VSI8, Grand Turk, logged 8/25, from 2355 tuning, with storm warnings on the fgy of 4787.7, rather than listed 4560. ID given, "This is First Island Radio VSI8, broadcasting a storm warning from the Miami Weather Center"; closing anncts were the same except the word "Florida" was inserted for the word, "Miami". (Immediate checks indicated that this one was indeed audible here in So. Indiana, Editor)

AFGHANISTAN 15265 Kabul in EE with OM anncing fgy in 16MB, good lvl (Ed Shaw, Va.)... Kabul, 15265, in EE 1800 with news, weather, and music, fair lvl. (Bill Whitacre, Mich.)

ARGENTINA A new time station, LBQ9, Planta Gral, Pacheco, logged with second pulses on 8167.5 from 2200-2205. Believe this the first reported logging in USA. A sister station LQC20 operates on 17551.5, 1000-1005 and 1145-1150. An attempt to log this one at 1000 failed. QTH for these stations: Servicio Internacional de la Hora, Gran Savio 865 Villa Maipu, San Martin, Pcia. (Provincia) de Buenos Aires, Republica, Argentina. (Al Sizer, Conn.)

AUSTRALIA RA 15240, noted at 0400 in EE; also on 15320 with news in FF from 0530-0545. (Bill Connors, Pa.)... And, Bill reports RA on 17795 at 0130 with news, EE.

BAHRAIN Has declared her independence with Britian's blessing. (Steve d'Adolf, Mass.)

BELGIUM Brussels observed with EE "Belgium Speaking", 0050 nightly, 9540 (Ed Insinger, N.J.)

BOLIVIA 4980 R. Illinani found 0600 LDs and native music. (Dan Ferguson, W. Va.)... 4700 (TENT) R. San Miguel possibly here, definitely a Latin, 0030 here. (Ed Shaw)

BRAZIL 4885 R. Pioneira from 0942 with easy listening LA music, two IDs (John Tuchscherer, ...ZYR216, 15145, noted 0115 with QRM de Asiatic language station (Dan Ferguson) / Wisc.)

CHINA (PR) (FLASH) On 8/5, R. Lhasa (TIBET), opened 0300, 4869 in RR; followed by EE at 0315; later, CC and FF, S/off 0400, asking for listeners' reports!! (UK DXer via SwDXers)

CANADA R. Canada is conducting test xmissions to WCMA at 0200/11835, with hi-power, both fgys at excellent lvl. (Rich Anderson, Ill.) (15165/11835)

CONGO (PDR) Kinshasa, 15245, fair lvl, some QRM, in FF with ID, at 2327. (Bill Whitacre)

DENMARK 11895 R. Denmark QSLed in 92 days via surface mail, also inclosed a nice letter, said that would appreciate more reports on this new fgy. (Al Niblack, Ind.)

COLOMBIA 11675M RCM outlet noted carrying Pan-Am Games; heard 8/4 from 2158 tuning. Also heard on rechecks. (John Tuchscherer)

EGYPT (UAR) 15085 Cairo S/on with IS, into PP to Brazil; 17665 Also Cairo, with EE at 1810-1840. (Bill Connors)

GABON Libreville, 4777, heard on their Independence Day till 0120 T/out with special prgm at robust S-9 lvl. It pays to check Independence Day beasting activities as many countries run extended skeds! (John Tuchscherer)

GAMBIA 4820 Bathurst heard 0625 with IS, S/on, into AA chants, fair. (Mark Konen, Wisc.)

GREECE 15345A NBI is currently being heard here with poor sigs at 2200, with news in EE at 2215. This only possible when Bonaire is off the air. (Mark Konen)

GUINEA REP 9645 Conakry good lvl at 0445 in FF language. (Dan Ferguson)

GUATEMALA 9505, 5955 TGMA now runs past 0700 checks, a much extended sked (Dan Ferguson)

INTERNATIONAL WATERS RNI is operating the new fgy of 9935, when noted at 1855 with usual DJ type prgming. Fair to good lvl. (Mark Konen)

IRAN Teheran is on 12176 with chimes, anthem, then into Persian. (Mark Konen)

ISRAEL 9625 Jerusalem with EE at 2045, for Europe and United Kingdom. (Ed Insinger)

ITALY RAI, 15410, possibly new fgy, 0010-0120 EE. Annctd 11810 parallel. (John Burns, Fla.) (Is this time quoted in GMT, or EST? Editor)

KOREA (N) 15150 R. Pyongyang with fair signals 1330-1402, IDs by YL. (Bill Whitacre)

KOREA (S) VOFK, 15430, observed from 1123-1132 in EE with 7 minute Special, honoring the 23rd anniversary of the Republic of Korea. (Bill Whitacre)

KUWAIT 15345 RK S/on in EE to Pakistan and India at 0400. (Bill Connors)

LIBERIA 6090 ELBC noted from 0710 tune with EE ID 0715. Gud lvl but QRM. How long 'dis been going on?? (John Tuchscherer) (Think this fgy or similiar was used years ago,

LUXEMBOURG 6090 RL noted with rock and short flashes 0100. (Ed Insinger) / (Editor)

MEXICO 21705 XERMX quoted 1000kW on this fgy is actually only 100kW. However a directional antenna is used on this fgy with an e.r.p. of 1000kW; i.e., a beam effect. (Dr. R. E. Wood, via Don Jensen, Wisc.)

NEW CALEDONIA 11710 Nouema fair to gud in French 0858 T/in till 0950 T/out (Bill Connors)
NIGERIA 7301 Beasting possibly from Enugu with EE news, 0530 past 0640; / nons) also loggable early as 2100 currently. (Dan Ferguson)

MALDIVES R. Maldives heard around 0130 on normal 4740; anncing new 6665,--and this FLASH is authored by a Canadian listener via SwDXers)

MALAYSIA 11750 BRCFES fair lvl at 0940 T/in, when in EE. (Bill Connors)

NEW ZEALAND RNZ, 15110, fair sigs EE, but QRM de HCJB, 0315-0400. (Bill Whitacre)

PERU 9684 R. Continente, Arequipa (or Lima, Editor?), 0420-0520, with IDs, and native music...9520.6 R. La Cronica, observed 0410 with ID, QRM from RNE...6020 R. Victoria noted from 0645, ID at 0655. (All the foregoing credited to Dan Ferguson)

PHILIPPINES 11920 FEBC with IS at 1000 followed by prgm in JJ -- EE 1130-1145, with news in EE 1155. Anncs parallels of 7225, 15300. Later, 15440 is swung into use. (Bill Connors)

SOLOMON IS VQ07 Honiara, heard on 7235, 0915 with instrumental music, talks in Pidgin and EE, with IDs and ads. (Mark Konen)

SO AFRICA Springbok R, 3998 with good signals, 0229-0300, some ads. (Bill Whitacre)

SWEDEN RS continues on 15295 to NA, 0030 EE S/on, excellent signals. (Ed Insinger)

SOMALI REP IS 0258, into AA on 6093A. This one has either changed antenna or increased power as reception much improved here of late. (Mike Macken, Mass.)

SYRIA 15165 Damascus heard from 2008-2100 S/off, news and music, fair lvl (Bill Whitacre)

TAHITI Papeete, 6134; 11824, noted 0700 with usual prgming. (Dan Ferguson)

TAIWAN 17720 VOFC, IS 0158, ID 0200 into EE. Has added 11825 fgy. (Bill Connors)

TANZANIA ZANZIBAR RTZ, 3339, again audible 0330 S/on past 0400. (Dan Ferguson)

TUNISIA Tunis, 6195, heard at 0430, heard under possibly whats SABC. (Mark Konen)

VIETNAM(N) 15007AV Hanoi good lvl at 1730, readable, but only between WWV anncs. (Ed Shaw)

USSR 4635 Dushanbe (TADZHIK SSR) heard 0000 S/on with Bell IS. Vy low lvl, speech not intelligible...4656 R. Baku (AZERB. SSR), observed 2300 with chime IS, into RR with HS by YL. No mistake. I like these two loggings!! (Ed Shaw)

YUGOSLAVIA 9620 RB S/on 2200 with EE, followed by news in FF. S/off 2230 (Bill Connors)

UNKNOWN (FLASH) Somethings cookin' under CHU...3332 for choral chants noted vy faintly 0335, 8/15. NO IDs. Hopefully but tentatively Comoro Is. (Ralph Perry, Ill.) (Its my impression is currently inactive (Comoro Is). Help please, Editor)...4860 Guarantee prize here (after Maracaibo closes) If any DXer has gear and QTH to get ID, give this one a listen. Your help appreciated. (John Tuchscherer)

CLANDESTINE Radio Portugal Livre copied today on 11510M at 1915, with easy ID, M&W yakking, bits of music. (John Tuchscherer)...6970 0400 OM speaking romance lingo, low lvl. suspected Rumanian. Can't tell if poor propagation or poor modulation. (Ed Shaw)

JULY 1971

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 6-71: 1-95, 2-97, 3-102, 4-95; 5-84, 6-79, 7-76, 8-70, 9-58, 10-42, 11-48, 12-58, 13-54, 14-61, 15-82, 16-93, 17-87, 18-75, 19-104, 20-91, 21-97, 22-116, 23-84, 24-119, 25-119, 26-90, 27-80, 28-74, 29-64, 30-72, 31-69 MEAN--81.7

PREDICTED: AUG-62 SEPT-60 OCT-58 NOV-56 DEC-54 JAN-52 (Grady Ferguson, No. Car.)

ACKNOWLEDGEMENT: To all those who reported with material for this month's column, though DX has been in the summer doldrums, THANK YOU. And, to those who phoned just as we went to press with material, THANK YOU. The robust support is appreciated. Remember, this is your column and without your help, this FS would not exist.

A FEW CLOSING REMARKS: Yes, I attended the ANARC Convention in Indy and had a royal time. You will see a full account of the doings there in other columns, no doubt. I met a lot of old and new friends there. Serge Neuman did an excellent job hosting.

Allied Radio Shack has a new SWL Receiver out, the SX-190, for in the vicinity of \$250. It looks attractive and the specs read good. Available in November...In closing, may I say when reporting, PLEASE write on one side of the paper only. Please double space between items. If you inclose a question, please write it on a separate sheet of paper. Technical questions may be addressed to this dept...Phone last minute flashes to 882-3976 after 2200 GMT. Good DX, see ya!