

NASA

the JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

Volume XXXIV, Number 7

July, 1994



RADIO

ONDAS DEL HUALLAGA



MARAÑON
HUACAYBAMB
HUAMALIES
DOS DE MAYO
AMBO
PACHITEA
SONCIC PRADO
PUERTO INCA

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1350 Kc

OAX-3Q
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AL SERVICIO DEL DEPARTAMENTO
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Order #1000 **\$16.95 (+\$1)**

SHORTWAVE INTERNATIONAL FREQUENCY HANDBOOK

By B. Laver. This British import is a comprehensive handbook of radio from 400 kHz to 30 MHz. Includes broadcast and non-broadcast stations. The best attempt we have seen to provide an affordable list of broadcast and utility stations in one publication. ©1993 *Spa* 188 p.

Order #2714 **\$19.95 (+\$1)**

DISCOVER DXING! - AN INTRO. TO TV, FM AND AM DXING

By John Zondlo. This book provides a readable introduction into DXing AM, FM and TV. Topics include: propagation, seasonal conditions, equipment, antennas and reference materials. There is an excellent section on "best bets" for hearing fifty states on AM. ©1992 *Universal Radio Research*.

Order #0009 **\$4.95**

THE WRTH SATELLITE BROADCASTING GUIDE

By B. Kuperus. This book is a must for anyone who owns or plans to buy a satellite receiving system. Includes: satellite dishes and their components, equipment reviews, 160 satellite coverage maps, worldwide satellite transponder survey, satellite operators, glossary of terms and more. 1994 Edition. ©1994 *Billboard* 366 p.

Order #0385 **\$19.95**

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NASWA Notes

Bob Brown KW3F
238 Cricklewood Circle
Lansdale, PA 19446
CompuServe: 74756,1557
America Online: BBROWN3394
Internet: 74756.1557@compuserve.com



I hope everyone is enjoying the summer weather. Many of our members take portable shortwave radios along with them on vacation. While I'm not sure of the value it brings to a family vacation, it is a good way of staying in touch with world events. Even routine listening requires some readjustment if you travel a long distance.

The sudden passing of Vern Hyson has left a void in many respects. I know many of you were aware that Vern read the JOURNAL to tape for visually impaired hobbyists. Although that effort was not an official NASWA activity, we would like to fill that void, if possible. If you are interested in trying and have adequate cassette recording equipment, please contact me.

Our medium wave friends are holding two conventions this summer. These are in addition to the RadioCom'94 gathering scheduled for Irvine, California (see calendar for details). The International Radio Club of

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Net Controls Bob Brown KW3F, Hausie WB4JSP, and Tom Sundstrom W2XQ, host an always lively gang of DX monitors. (Best heard in the eastern half of NAm)

America will be holding its annual convention August 26-27 and 28, 1994 at the Westwood Inn at Hoquiam, WA. Additional information is available from Nancy Hardy, 2301 Pacific Avenue, Aberdeen, WA 98520-4527. The National Radio Club will be holding its annual convention over the traditional Labor Day Weekend holiday, September 2-5, 1994 at the Ramada Hotel at

Welcome to the following new NASWA members -

Massimo Cerveglieri, Alessandria, ITALY
Bernard Chenal, Mulhouse, FRANCE
Mark Curran, Santa Rosa, CA
Gary R. Eder, Chicago, IL
David L. Eye, Arnold, MD
Gregg Fleishman, Houston, TX
Donald Fox, Norwood, MA
Mr. Martin Gallas, Jacksonville, IL
David Gordon, Sebago Lake, ME
David W. Grant, Chapel Hill, NC
Mr. William T. Harsh, Modesto, CA
Gary Jansen, Federal Way, WA
Andy Kerr, Joseph, OR
Bernard A. Kilcline DMD, Warwick, RI
Mr. Joel S. Kluger, Chapel Hill, NC
Chris Lawrence, Grand Blanc, MI
Harvey P. Levine, Potomac, MD

Robert E. Maguire, APO, AP
John J. Markon, Lompoc, CA
Kevin McElroy, Portage, WI
Samuel F. McKay, Granby, CT
J. Mark Montobbio, Kentfield, CA
David L. Morasco, Grafton, WV
Mineo Nakagawa, Tokyo, JAPAN
William E. Naylor, San Antonio, TX
Walter J. Niedzielak, Cedar Park, TX
Robert E. Ostrander, Beaufort, SC
Michael T. Owen (KIDSV), Warwick, RI
Robert L. Palmer, Seattle, WA
John V. Spikes, Houston, TX
John Tarangelo, Staten Island, NY
Philip Welt, East Meadow, NY
Donald J. Young, College Park, GA
John Zanazzi, Mesa, AZ

Our Motto is - "Unity and Friendship"

Merrimack, NH. Detailed information is available from Bruce Conti, 46 Ridgfield Drive, Nashua, NH 03062-1174. It's not too late to plan on attending any of the conventions scheduled for this summer. Be sure to enclose an SASE when writing either Nancy or Bruce. Enjoy!

Looking for some interesting summer reading material? Curious about all those weird clandestine stations that appear in Listeners Notebook and the Log Report columns? New from Tiare Publications (P.O. Box 493, Lake Geneva, WI 53147, USA 1-800-248-0579 for charge card orders) is The Clandestine Broadcasting Directory. Written by well-known clandestine expert Mathias Kropf, the directory is a comprehensive look at secret broadcasting designed to undermine or overthrow a government. The broadcasters are listed in frequency order and then grouped by their broadcasting times. A third listing provides such information (where known) as the name of the backing group, starting date, address and general information. An "audibility rating" is included to give the user some idea of how easy or difficult the broadcasters are to receive. There

are also "close-ups" on such areas as east Africa and the Koreans. The book is priced at only \$12.95 plus \$2.00 shipping and handling in North America and \$3.00 shipping and handling overseas. I anticipate a review of this book by Rich D'Angelo should be appearing in Uncle Skip's Listeners Library column in the near future.

Speaking of new publications, John Figliozzi's 1994 Shortwave RadioGuide is now available from the Company Store (c/o Kris Field, 705 Gregory Drive, Horsham, PA 19044) for just US\$16.00 in North America and US\$20.00 overseas. The Shortwave RadioGuide carries listings for thousands of English language programs broadcast to or audible in North America. It's a big 184 pages and contains references and listings for English language programs broadcast to other regions of the world too. There are even program listings for other major services in the primary language of the stations such as German from Radio Deutsche Welle. This item often sells out, order your copy today. Let's give Kris the business!

Calendar Of Events

Jul 15 - Meeting, Philadelphia Area NASWA Chapter. Kulpville Holiday Inn, Kulpville, PA. 7:30 PM Contact Dan Cashin (215)446-7831

- Meeting, The Boston Area NASWA Chapter. Bull Cafeteria, Billerica, Mass. 7:30 PM For additional information please contact Paul Graveline (508)470-1971, or via modem on Tom's BBS, (617) 698-8649 (300/1200/2400 baud), (617) 698-8734 (9600). *There will not be a July Meeting, see you in August*

Jul 16 - The Miami Valley DX Club (All band orientation) meets on the third Saturday of each month at 1 PM. Locations vary but are announced in advance. For info, call the MVDXC (614) 471-9973 Or, send a SASE to MVDXC, Box 292132, Columbus, OH 43229-8132

Jul 19 - Meeting, N.E. Ohio SWLs. Cuyahoga County Library, 9089 Brecksville Rd., Brecksville, OH (Rt. 21, just South of Rt. 82). 7:00 PM. For info send SASE to: NE Ohio SWLs, c/o Donald J. Weber, P.O. Box 652, Westlake, OH 44145-0652

Aug 7 - The Tidewater SWLs meet on the first Sunday of each month at 6:30 PM. For info, call Joe Buch, (804) 721-2782.

Aug 31-Sept 3 - Radio Comm '94, Holiday Inn, Irvine, CA. For more info send a #10 SASE to: SCADS, 6398 Pheasant Dr., Buena Park, CA 90620

Members are invited to submit items to be included in this calendar to Bob Brown.

Oops Department! Last month I mentioned the upcoming ANARC Executive Board elections scheduled for this fall. Unfortunately I neglected to mention Dave Marshall and Mark Meece as NASWA members currently serving on the Executive Board when talking about our club members serving as ANARC officials. Sorry guys! I did not intend to overlook any member. I was merely trying to indicate only staff members that are currently serving. Besides his NASWA membership, Dave is the chief cook and bottle washer for the All Ohio Scanner Club (50 Villa Road, Springfield, OH 45503-1036). Mark serves as an editor for the AOSC and the Miami Valley DX Club (Box 292132, Columbus, OH 43229). Both clubs are members of ANARC. Incidentally, I have received one name of a member interested in serving on ANARC's Executive Board; any others? I need to hear from you by August 1st since the election takes place in September. NASWA members have continuously played an important leadership role within ANARC over the years. It would nice to continue in that leadership position by having a couple of members, with an interest in becoming active in ANARC affairs, volunteer to stand for election to the association's Executive Board.

Although we are in the middle of our summer season, it is not too early to begin thinking about next DX season. On 9-11 September 1994, the Dansk DX Lytter Klub and the Danish Shortwave Clubs International ("DSWCI") will host NorDX94. This is a

shortwave broadcast DX competition that concentrates on listening to pre-arranged radio stations. Since the DSWCI has a broad international membership, the organizers have altered the rules to allow all DX'ers an opportunity to participate this year. Unfortunately, only residents from Nordic countries will be able to win the titles or prizes associated with this major DX event. Nevertheless, NorDX94 promises to be an exciting event with participation from outside the Nordic region being encouraged for the first time. There will be a special prize for the DX'ers in other parts of the world. This is the same contest event that brought Radio St. Helena to shortwave a few years ago! All participants must be enrolled by 10 August 1994 in order to allow sufficient time for the organizers to get the competition schedule and rules to the participants around the world. The fee structure is as follows: 13 International Reply Coupons ("IRC's") if you are a resident of a Nordic country; 16 IRC's if you live in other parts of Europe; and 20 IRC's if you live outside of Europe. Competition fees and further information can be obtained from Kaj Bredahl-Jorgensen or Finn Krone at the following address:

Danish Shortwave Clubs International
Tavleager 31
DK-2670 Greve
Denmark

Okay NASWAns, let's get out there and compete!

FRENDX: Twenty Five Years Ago....

The Shortwave Center included feature articles on A New Libertad DF Study by C.M. Stanbury; La Voz de Nahuala by Del Hirst; while Craig Calkin presented the third in a series of "How I DX" articles. Renewing members included: John Tuchscherer (2nd year), Barry Williams, Steve Kamp and Rick Charnes (3rd year), and Del Hirst and Richard Wood (4th year). It was decided that Scoreboard would appear every three months instead of bi-monthly. Fifty-nine reporters, verifying 109 countries appeared in QSL Report with David Alpert, Gregg Calkin, Gerry Dexter, Marlin Field, Dr. Earle Hall, Ed Insinger, Chris Lobdell, Bill Matthews, Al Niblack, Bob Padula, Alan Roth, George Schnabel, Al Sizer, Bill Sparks, Tom Williamson and Richard Wood among the notables. The lead story in the QSL Report concerned a new verification card from the Voice of Free Korea. Dan Henderson welcomed fifteen contributors to the new NewsRoom. Dan Ferguson's Log Report saw contributions from 39 reporters which included: Tom Alleman, David Alpert, Gregg Calkin, Gerry Dexter, Bob Estand, Dan Ferguson, Marlin Field, Art Glover, Glenn Hauser, Chris Lobdell, Henry Michalenka, Al Niblack, Al Sizer, Bill Sparks, John Tuchscherer, and Richard Wood. In Al Niblack's Flashsheet, August Balbi reports a new frequency for DW's Kigali relay. 73-RAD

Musings

This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are solely those of the submitters.

Gerald F. Kercher, Box 168, Quaker Hill, CT 06375

REPORT FROM THE CONFERENCE OF THE EUROPEAN DX COUNCIL

I attended the annual conference of the European DX Council in Paris, France 20 - 23 May 1994. The official list of attendees showed 68 people but there were some from nearby who dropped in on a daily basis. Fourteen different countries were represented. Others attending from North America were: Maryanne Kehoe, Lewis Coulborn, Larry Nebron and Jacques d'Avignon, one of the featured speakers. The conference headquarters was the Hotel Itinéraires in the Nanterre section of Paris.

I arrived a little too late for a scheduled tour of the French Senate so I had plenty of time to get settled in my room before the first official item on the conference agenda, a reception at the headquarters of Radio France Internationale. Chartered busses provided the transportation. RFI has its headquarters in a splendid building and the reception hall featured groaning-board tables laden with toothsome dainties and appropriate beverages. There were some welcoming remarks which did not interfere with the main business of eating, drinking, renewing old friendships and meeting new people. Each of us was given a bag of goodies including a T-shirt.

The European DX Council is the umbrella organization for SWL and DX clubs in Europe. The host club was Amitie Radio. Their president, Roland Paget, started things off with opening remarks Saturday morning. Also speaking was the Secretary General, Michael Murray from England. There were representatives from eight different international broadcasters taking part in the discussions. Letters were read from a number of those unable to send a representative.

RFI started off the first session with a video presentation giving a broad overview of their operations. Next was a highly technical lecture about the new generation of shortwave transmitting antennas. Andrew G. Sennitt, Editor, World Radio TV Handbook, spoke most interestingly on "The Changing Face of International Broadcasting". The next speaker was Jacques d'Avignon, a Canadian, who is the Propagation Forecaster for Monitoring Times. His topic was "HF Propagation, Usual and Unusual". Jacques thoughtfully provided a well-edited 20-page handout. John Wilson from Lowe Electronics could not attend the conference so Michael Murray played a tape recording of the talk John gave earlier this year at the Winter SWL Festival. He's a fine speaker and has promised to be at the conference next year in Denmark.

The Broadcasters' Forum was enjoyable but provided no real surprises. Money is tight everywhere. Andy Sennitt had earlier made the observation that it may be counterproductive to write an international broadcaster and express disappointment with the announced cancellation of a DX program. This might well reinforce the idea that some staff members already have that shortwave programs are of interest only to a small group of hobbyists. It is better, Andy suggested, to write the station and tell them how much you enjoy some part of their regular programming.

Meetings of the representatives of the different European DX Clubs were interesting. Rules for joint European/North American (worldwide, I suppose) contests were discussed. It is likely that the next such contest will have a format with a list of stations to be logged during the contest period. Another topic of discussion was "The Club Situation in Russia and How We Can Help". I learned that it is hard to get a handle on hobby groups in Russia. Andy Sennitt says he gets letters from some but has no way of learning any details about the groups such as nature and size. This proposal by representatives of the three Italian clubs in attendance was adopted: "All the EDXC members and observers clubs should set up every DX contest they organize free of charge for the DXers living in the ex-communist countries and Latin America."

The Saturday night banquet was a most memorable affair. We left the hotel around 1900L and had an enjoyable bus tour of many of the places of interest in Paris. About 2000L we arrived at a rustic restaurant, le Pavillon Bleu, on the bank of the Marne River. The meal was a masterpiece. I counted

seven courses. Entertainment was provided by a beautiful singer, Cassita. All in all, an unforgettable evening. It was past midnight when we arrived back at the hotel and no one complained that there was nothing too important laid on for the following morning. Things wound down the next day with more discussions by the club representatives and another broadcaster's forum.

The conference next year will be in Jutland in southern Denmark. I talked with people from the sponsoring club, Danish SW Clubs International, and this will be something you should plan to attend. In addition to the usual schedule of events, they plan to have facilities for DXing. A variety of accommodations will be offered ranging from camping facilities to a hotel. I will pass on the details as they become available. See you there !

Jerry Klinck, 43 Lein Road, West Seneca, NY 14224

Reflecting upon the past seasons' DX/QSL experiences has brought out the "Mr. Fix-it" side of my persona. Why is it that it's so tough to QSL those Latins? What can we do as individuals or, better yet, as a group, to "fix it" ? (My son-in-law the mechanic says: Every problem has a solution. If it's broke, it can be fixed.) So, I say, fellow NASWAns, let's FIX it. (At least a little.)

Remembering that the Latin stations generally are short on funds and personnel as well as long on propriety and politeness and, remembering also that they historically are local audience oriented and slow to respond, I have devised a two-pronged approach to improving the situation. (Somewhat.)

FIRST: NO MASS PRODUCED "QUICKY" REPORTS to the stations in Latin America. They should be well thought out, patiently prepared, well translated into Spanish and containing either a good quality recording of at least 15 minutes or good, solid details. One Spanish station official told me that one reason he stopped even opening reception reports was the flood of junk ones they'd received with illegible recordings or poor and inaccurate details. In other words, a waste of their time. Once the above criteria has been satisfied, cap it off with lots of "please and thank yous". Muchas gracias is good but, if you're particularly pleased, "mil gracias" is better. To ensure you get your points across properly, a copy of Tiare Publications Spanish Language Lab and a good Spanish/English dictionary are advised.

SECOND: (and equally important) SEND OUT THANK YOU NOTES upon receipt of your QSL. This could be the difference between your fellow NASWAns receiving theirs or not. REMEMBER! POLITENESS ! A simple thank you note to the verie signer is an easy and inexpensive way to help the hobby. I have a form note that I use, which I will be glad to share with anyone interested, free of charge.

As I said, I know these actions will not make 100% verifiers out of all Latin stations. But if we all do it, all the time, we will "fix it". (At least a little). And even if it is only a little, what the heck, it's the POLITE thing to do!

Don Moore, 11434 140th St., Davenport, IA 52804-9538

The following message appeared on the DEVMEDIA mailing list. Radio Latacunga has been considered a model of how to use radio to defend the rights of poor peasants and assist in development. I think it used to be on shortwave, but that was years ago. The second station, Escuelas Radiofonicas Populares, has been on SW for as long as I've been in the hobby (over 20 years). If the army has still left it on the air, it can be heard on 5010 (+ or - a kHz or so) in the mornings in North America. I think s/on is at 1000 UTC. Programming usually consists of a mix of educational/community development programming in either Spanish or Quechua with some folk music thrown in.

I visited ERPE, as it is abbreviated, in 1985. Learned that the station had been founded by a priest in the 1960s (as I recall - I would have to dig out my notes at home to be certain). In 1985 that same priest was the Archbishop of the Riobamba area (where the station is located). ERPE had operated a number of social services in addition to the station. I remember they had a sort of credit union where they would loan money to peasants for seed and equipment even though the peasants had no collateral. They also operated a free medical clinic and boarding house for peasants. Normally when a peasant woman from a village came to the city to sell her family's produce in the market, she would have to sleep on the sidewalk that night. ERPE provided these women with a basic dormitory and breakfast. I found it to be quite an impressive operation. However, the politics at

ERPE are clearly associated with the Liberation Theology wing of the Catholic Church (as is true of most of the Catholic radio stations in Latin America), and that does not make them popular with those who control the economy and politics of the country.

Don Moore MOORE@ACC.MCREST.EDU
Davenport, Iowa, USA

----- Forwarded Message Follows -----

=====
:RadioAction Alert:
=====

SOLDIERS OCCUPY RADIO STATIONS IN ECUADOR

ECUADOR, JUNE 1994 - At 4:30 in the morning of Wednesday June 22, 1994, soldiers occupied and closed Radio Latacunga, the station of the Cotopaxi provincial Diocese in Ecuador.

The soldiers entered the radio station through the roof, broke a glass door leading to the offices and arrested Gonzalo Granda and Norma Arroyo, who were on duty at the station. On learning of the break-in a few minutes later, station director, Sister Alma Montoya, arrived on the scene. She was also arrested and taken to the military base of the Patria Brigade. Sister Montoya is a Colombian citizen and there is concern that she will be expelled from Ecuador.

At 9:30 the same morning Alonso Guerrero, an employee of the station, went to Radio Latacunga to investigate the events. He was also arrested. Other employees have reported being harassed.

Another station, Escuelas Radiofonicas de Ecuador (ERPE), in Riobamba was also occupied at 11:30 in the evening of Tuesday June 21. The radio station remained on the air, but with music programmed by the soldiers.

These events are taking place at a time when the government has mobilized the military in response to widespread protests by indigenous peoples against a new law governing agricultural development. Native people have closed all the roads of the central mountain area, leaving some cities isolated.

Organized into the Confederacion de Nacionalidades Indigenas del Ecuador (CONAIE - Confederation of Indigenous Nations of Ecuador), native people are opposed to the new law which they claim will breakup communal structures and permit a concentration of land in favour of large companies and plantation owners. According to CONAIE, the new law will wipe out the land reforms gained over the past years.

The Declaration of Santiago, proclaimed during the Seminar on Communication Media and Democracy organized by UNESCO in Chile last month, states that democracy cannot exist without freedom of the press. The attacks against Radio Latacunga and ERPE are attacks against democracy.

AMARC's Solidarity Network is requesting that faxes protesting the occupation of Radio Latacunga and ERPE and the arrest of the employees of Radio Latacunga be sent to President Duran Ballen at fax 593-2-580735. Faxes in solidarity with Radio Latacunga and its workers can be sent to 593-3-802239.

Please send copies of your faxes and letters to AMARC's Solidarity Network at the address below.

The Solidarity Action Network is an initiative of AMARC, the World Association of Community Radio Broadcasters. For more information about AMARC or the Action Network, contact us at:

3575 St-Laurent, # 704 - Montreal, Quebec - H2X 2T7 Canada Fax: +(514) 849-7129 - Tel: +(514) 982-0351 Email: amarc@web.apc.org

This message is also available in French and Spanish. Email us for a copy.

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"Spectrum" on RCI

Radio Canada International (RCI) continues on its recovery from the sharp budget cuts of three years ago. After a period of only relaying CBC domestic programs for its English service, RCI is now producing some of its own English language programs once again. If you're interested in Canadian affairs, consider adding **Spectrum** to your routine. **Spectrum** is a weeknightly (Tuesdays-Saturdays, 0110 to the USA) hourly current affairs program focusing solely on Canadian current affairs. An RCI-produced newscast, itself mostly Canadian in coverage, precedes **Spectrum**. The program follows a consistent pattern most days; the first twenty minutes generally looks at one issue, and often with viewpoints from divergent perspectives. Sometimes the debate participants are in the studio simultaneously, which enlivens the debate. Other times the viewpoints are collected separately. At the half hour a correspondent's report from a particular region is featured, with the regions starting in the East and moving West from Tuesday (the Maritime Provinces) through Quebec (Wednesday), Ontario (Thursday) and on westward.

Spectrum provides more background to these Canadian perspectives than CBC-produced programs, making them easier to follow for Americans that don't keep daily track of Canadian matters. Definitely worth a listen.

You might also be able to catch the European release at 2030 UTC Mondays through Fridays.

Deutsche Welle Highlights

Some odds and ends, with program days shown for North American releases (0100, 0300, 0500 UTC):

August 1st: **Living In Germany** visits *Bad Sachsa*, a German spa that has been recently renovated. The pure air, mineral springs, and picturesque scenery all look inviting.

July 20th: **Insight** (0300 release only, following **European Journal**) takes a 50th anniversary retrospective look on Colonel Claus Schenk von Stauffenberg's plot to kill Hitler by concealing a bomb in a briefcase and slipping out of a meeting room. This plot was the last of several attempts by German officers to kill Hitler and try to negotiate for peace with the Allies, while Germany still held bargaining position. Several top German commanders were involved, including legendary Field Marshall Rommel. Hitler miraculously survived the blast with only minor injuries.

Don't forget Deutsche Welle now has a more diverse daily program schedule in its 0100 and 0500 releases, and this schedule differs from the 0300 release. The 0100 and 0500 releases now include **German Tribune** (Tuesday), **Backdrop** (Wednesday), and **Come to Germany** (Thursday).

Radio Netherlands Highlights

Research File (0050, 0350 July 19th; 2350 July 21st) celebrates the 25th year anniversary of the Apollo 11 lunar mission on **The Moon Program**.

Bats, Balls, and Baselines (2350 Saturdays) incorporates **Holland's Sporting Hall Of Fame** in its weekly program. This segment will look at Dutch sports starts of the past and present.

Newsline continues its weekend **UN Year Of The Family** specials with **Care Of The Aging** on August 6th and 8th. How can we meet the widening gap of longer life spans and reduced government expenditures on health coverage?

The Documentary program on August 4th (0050, 0350 UTC) airs ...*Yours, Anne* marking the 50th anniversary of Anne Frank's diary, the world's best-selling autobiography. Robert Chesal and David Swatling will take you to the house in Amsterdam where 13 year-old Anne, her family, and four others were hidden from the Nazis for two years. Robert and David will also interview authors who have been inspired by Anne Frank's writing.

BBC World Service Highlights

Features and Current Affairs

Sundays, 0330 and Thursdays, 0445: **From Our Own Correspondent** celebrates its 50th anniversary in 1995, and represents a favorite program of the correspondents themselves, as the program gives them the opportunity to talk about their subjects in more depth than the short dispatches provided for programs like *Newsdesk* and *Newshour*. Anecdotes that provide background to the news are provided, and one can often glean something of the correspondents' humor and literary ability. Other airings include Saturdays 1830 (pre-empted by the Proms late in July), Sundays 0730, Wednesdays 1515, and Thursdays 0915.

Monday, July 11th, 0101: **Who Are Our Judges?** is a single 45-minute program looks at the tradition and mystery of English judges. British reverence is compared and contrasted with American politics and eye for publicity. First airing Saturday 1901; also repeated Monday 1515.

Sundays, beginning July 17th, 0230: **Cyprus—A Life Apart** is a two-part 30-minute series marking the 20-year anniversary of Cyprus' division, looking at how it happened, whether or not partition could have been avoided, and how the two parts of the island have developed since the division. Repeated Sundays 1615, Mondays 0730, and Wednesdays 2215.

Sundays, beginning July 17th, 2330: **The First Foot On The Moon** is a two-part 30-minute program commemorating the Apollo 11 mission. The first program goes back to

1969 and, drawing on archive material and memories, relives the excitement and tension of the mission. The second program assesses the difference of opinion on the long-term value of the lunar space mission. Was it just a monument to the American ego, or did the mission help us see ourselves and our planet with greater clarity and understanding. First airing Sundays 1401; also repeated Mondays 0630 and 1001.

Monday, July 18th, 0101: **The Sea, The Sea** is a single 45-minute program presented by Roger Fenby, who recorded an account of a voyage aboard the iron brig *Astrid*, sailing across the Bay of Biscay and up the English Channel. Poems, prose, music and song are blended with Fenby's account to convey the many faces of the sea. Repeated 1515.

Music

If you or your children are fond of any or all of the **Multitrack** programs, take note: Each program now has its own unique name.

Multitrack: Hit List replaces **Multitrack 1**, still airing Mondays 1830 and 2330, repeated Tuesday 1215.

Multitrack: X-Press replaces **Multitrack 2**, airing Wednesdays 1830 and 2330, repeated Thursday 1215. **Multitrack: X-Press** is also revamped somewhat, with a new signature tune and new host. The program is now more of a magazine-style show, with a feature on news (*Music Desk*) and a monthly panel of experts to answer listeners' questions.

Multitrack: Alternative replaces **Multitrack 3**, airing Fridays 1830 and 2330, repeated Saturday 1215. This program still features new music and new bands in a fast-paced and ever-changing format. Sarah Ward hosts.

Proms '94, the 100th anniversary of the Promenade concerts, starts its run in July. Each program begins at 1830 UTC and runs anywhere from one hour to 90 minutes. The program kicks off July 16th with a reconstruction of a 1900 Prom concert featuring works of Dvorák and Dell'Aqua. On July 23rd, the Australian Youth Orchestra

plays Brenton's *Festive Orchestra* and Sibelius' *Violin Concerto*. The Bournemouth Symphony plays *Introduction And Allegro* by Sir Arthur Bliss and Rachmaninov's *Piano Concerto No. 1* on July 30th.

Thursdays, beginning July 7th, 0015: **The Greenfield Collection** is a new classical music miscellany program replacing **Ray On Record**. Edward Greenfield – who presented **Classical Record Review** for 10 years – will present listeners' requests and select personal favorites from his own collection. Send your requests to Edward Greenfield at the usual Bush House address. First airing Sundays 0815; also repeated Thursdays 1515.

Saturdays, beginning July 23rd, 0015: **Sex In Pop** is a four-part 15-minute series dealing with various aspects of gender and sex in popular music. Why does one have to be young, attractive and single to be a pop star? At what point does sexism or crudigy warrant censorship? Why do pop songs invariably deal with love, romance, and sex? Hosted by Miranda Sawyer. Repeated Mondays 1930, Tuesdays 0915.

The Arts

Sundays, 0101: **Play Of The Week** highlights include *Death And The Maiden* (July 10th, 0030 UTC start), Ariel Dorfman's award-winning play set in a remote Chilean coastal cottage and recounting a woman's imprisonment and brutal torture under martial law. *A Night Out* (July 17th) is Harold Pinter's drama about a gentleman who attends an office party although he rarely goes out otherwise. A harmless get-together becomes a violent quarrel and a night roaming the London streets. *Bliss* is Peter Carey's novel about a man who wakes up in hell when his heart stops beating for seven minutes. A blissful life is transformed into a nightmarish life of an unfaithful wife, an employer who promotes carcinogenic products, and children who practice dubious sexual practices. To add injury to insult, an elephant sits on his car. Enter Hippy Honey Barbara, who, with healing hands and healthy foods, coaxes Harry back to life. But can she save him? **Play Of The Week** also airs at 1201 and 1901 Sundays. July 10th sees a half-hour

earlier start time in all releases due to the length of the play.

Light Entertainment

Thursdays, beginning July 7th, 2330: **Laughing Matters** is a six-part 30-minute series looking at comedy around the world. As I've mentioned in the past, humor often doesn't travel well between cultures if one isn't up on current affairs and local culture. **Laughing Matters** looks at comedy around the world, exploring why nearly all countries have geographic humor (e.g. Northerners joke about Southerners) and whether the same gags and themes work in many cultures. Why do we laugh? How does a joke work? Why does a clunker in London bring down the house in Madrid? Paul Wells tries to find out. Each program has a universal theme, such as the family, law and order, and the workplace. First airing Wednesdays 1530; also repeated Thursdays 1330.

Sports

Sunday, July 17th, 1930: The **World Cup** final will be aired by the BBC on 15400 and 12095 kHz. These frequencies often propagate reasonably well to the USA. You can turn down the sound on the TV and turn on your radio to add an international touch to your enjoyment of the World Cup.

Which E-Mail Address?

As you can see from my column masthead, I have a slew of E-mail addresses. If your e-mail system charges the same for all E-mail destinations, I recommend you use my MCI Mail destination: 3754854@mcimail.com using Internet notation. MCI Mail is also reachable via X.400-compatible E-mail systems. MCI Mail doesn't charge for reading messages even from the Internet, unlike Prodigy and CompuServe.

Thanks to John Carson Jr. of Norman, Oklahoma for program schedule information. Here in Pennsylvania it's been hot and sticky, as though mid-July weather showed up in mid-June. Hope it's cooler where you are!

Until next month,

73 DE Richard

Listener's Library

T. J. "Skip" Arey WB2GHA
P.O. Box 644
Waterford Works, NJ 08089
Genie T. AREY1

Summer is upon us. The static has become unbearable. Time to move away from the receiver's for a while. The traditional summer period of listening downtime turns out to be a great time to rethink the old antenna farm. To this end three new books just happen to have crossed your humble columnist's desk.

PRACTICAL ANTENNA HANDBOOK

Second Edition

by Joseph J. Carr

560 Pages

\$26.95

Tab Books

Blue Ridge Summit, PA 17294

ISBN 0-07-011105-7

Last August I had the pleasure of reviewing Joe's "other" antenna book published by HighText. At that time I pointed out that Mr. Carr MSEE knew his way around a coil of coax. This second edition of his antenna book for Tab only serves to prove the point further. The Practical Antenna Handbook might be described as a thicker, richer collection of Joe's thoughts on antenna theory and design. In addition to telling you how to string some dynamite wire, Joe shares all the theory and math behind each design.

This book has something to offer just about anyone in the listening hobby. You can turn to the appropriate chapter for the type of listening you lean toward and have a serviceable antenna up in a couple of hours, even if you have never made the attempt in the past. On the other hand, you can take the book and study it from cover to cover. Doing this will give you a fairly comprehensive course in antennas for the radio hobbyist. In between is something for everybody else that more than justifies the cover price.

Carr starts out with an introduction to radio broadcasting followed by fifty or so pages on propagation that are exemplary. A lot of myth and legend gets bounced about concerning how radio waves get from the stations to our receivers. Joe helps the reader figure out the difference between the various forms of propagation and the part each plays throughout the radio spectrum. Given my personal operating habits, Joe's discussion of surface wave communications makes me long for a house at the beach next to a very long jetty. Unlike the tall tales you are likely to hear at any radio gathering, Joe backs up his explanations of propagation phenomena with solid mathematics.

This is followed by two fine chapters on feedline characteristics and how to use a Smith chart. While this information is not of particular use for listeners, enough folks in NASWA have their ham tickets to make this information useful. Smith charts always make me cross-eyed but Carr's explanation gets me seeing straight.

While full of excellent antenna designs that will have you clipping cable for years to come, there is a dedicated chapter (13 to be exact) on Antennas for shortwave reception. Joe does something here that often gets ignored in most antenna books. He expounds upon the notion of which antenna properties are important to the SWL. More than a few DXperts will find their notions of antenna gain debunked in this portion of the book. In this shortwave section Joe presents some notions and designs for phasing antennas. This is an idea that is often overlooked by folks. The simple phased antenna designs shown in this book can help you put a few of those "hard ones" into your logbook.

Among the many antenna designs and supporting illustrations for any form of radio hobbying, Joe includes a chapter on hidden

antenna systems and a great study of ground systems. Also included is the complete listing (in BASIC) of Joe's well known ANTLERS antenna program.

As I said last year I reviewed one of Joe's antenna books and I got hooked on using the G5RV design. Now Joe's Practical Antenna Handbook has me running to Radio Shack to pick up a mess of 300 ohm twinlead. Yep, I'm gonna make me up some folded dipoles. Get Carr's book and get out of the basement and onto the roof.

ANTENNA ENGINEERING HANDBOOK

Third Edition
By Richard C. Johnson
46 Chapters
\$119.50
McGraw-Hill, Inc.
New York, NY
ISBN 0-07-032381-X

Just as some folks can't settle for anything less than the most sophisticated and expensive receiving equipment. I thought I would take a look at a top of the line engineering text on antenna theory and design to see what the rest of us may be missing.

Forget page counts, This book weighs 5 pounds, its two and one half inches thick and the print is very teeny! Packed in this poundage is the definitive antenna book including comprehensive coverage of all the essential principles, methods and data concerning any antenna design and application your fertile mind can conjure up. You get literally everything from Archimedian Spirals to Zeiss-Cardioid Reflectors.

The book begins with a comprehensive introduction to antenna fundamentals followed by detailed chapters on antenna types and design methods. The chapters on Dipoles and Monopoles along with Small Antennas have most of the theory that is immediately useful to the shortwave listener.

Next is a section on antenna applications that emphasize how antennas are used to meet various electronics system purposes. In this section you will get a notion of how a shortwave broadcast station chooses its particular antenna design. Here you get to see the mathematics behind the HF dipole curtain array that makes it so compelling to the shortwave broadcast community. I even learned the theory behind the enormous Omnidirectional Log Periodic Array that I saw on the roof of the FAA building near the Atlanta site of the Monitoring Times Conventions. I also found a few pages on the Phased Array Warning System antennas as well as several other military antenna applications. I don't think the author ever intended this book for antenna spotters but you could find no better source for such information. Some of those "spooky" NSA type antennas are even explained.

The final section covers topics associated with antennas. Here you will learn, among other things, everything you ever wanted to know about open wire transmission line and coaxial cable. you get all the math and theory to support your argument for either feedline. Just the thing for those late night discussions in the Kulpsville SWLfest hospitality room.

Okay, this book isn't for everybody and its cover price puts it out of reach of the average listener. But if you are absolutely hooked on antennas this book is the Watkins-Johnson of antenna books. Its got more information than you are likely to ever need, but nothing is left out. Also, as the listening hobby has the potential to move into the world of satellites as well as higher and higher frequencies, this book will put you well ahead of the learning curve.

SHORTWAVE SIDELINES

HIDDEN HAM ANTENNAS

by Frank P. Hughes VE3DQB
48 Pages
\$12.95 + \$2.00 S/H
Tiare Publications
PO Box 493
Lake Geneva, WI 53147
ISBN 0-936653-54-X

Okay, so most of us will never own enough real estate to put up an Omnidirectional Log Periodic Array. In fact, many folks find their listening limited by either laws or a desire to foster good will with their neighbors. Surreptitious antenna theory has always held my interest. Hidden antennas show the real tenacity that makes the radio hobby so much fun. Frank Hughes may be familiar to some of you from his previous *Tiare* works *Limited Space Shortwave Antenna Solutions* and *Easy Shortwave Antennas*. Frank brings his knowledge to another side of the hobby with his latest look at *Hidden Ham Antennas*. His notions aren't exclusive to the amateur radio community. Many of his thoughts can be applied equally by the SWL plagued with antenna esthetic limitations. Frank applies his experience at amateur radio antenna

theory to flagpoles, fences, tomato growing supports, basketball hoops and apartment roofs and walls. Hughes proves that all is not lost when you are relegated by circumstance to something less than forty acres. Frank's ideas about shielded loops can be used by anyone interested in the tropical bands regardless of their need to hide their antennas. Also Hughes shows you how to construct simple antenna tuners and field strength meters that are sure to get you into the mood to homebrew. While oriented to hams, this book is a worthy addition to any radio hobbyist's antenna library.

If any of these three books don't give you the urge to hang some copperweld, you might want to check your pulse!

Now Available!

THE *All-New* SHORTWAVE RADIOGUIDE 1994 Edition



Because shortwave programs are such a diverse and varied lot, and because it can be hard to find the programs you want to hear, you need the best information available. You need the 1994 Shortwave Radioguide, edited and compiled by noted shortwave programming expert (and long-time NASWA member) John Figliozzi. Perfect for Easy Listening fans!

For users of previous versions, this sixth edition of *The Shortwave Radioguide* has incorporated several changes prompted by the comments of its readers and designed to make this reference more convenient to use:

- All English language programs have been combined into one main set of listings
- Listings have been expanded to include each station's entire English language international schedule of programs
- When stations change their schedules with changes to winter or summer time, this is now noted in the listings

- A "bonus" section of programs in languages other than English has been retained
- Lists of programs classified by genre have been expanded!

Previous editions of this guide have been well-reviewed by Radio Netherlands' Media Network program!

As in previous years, the cost of the 1994 edition of *The Shortwave Radioguide* is:

\$16 PER COPY POSTPAID TO NAM
\$20 PER COPY ELSEWHERE

Now available from:
The NASWA Company Store
705 Gregory Drive
Horsham, PA 19044

Thanks to Harold Sellers of the Ontario DX Association for his desktop publishing help with this publication

The *Shortwave Radioguide* is published by the Ontario DX Association and NASWA.

Technical Topics

Joe Buch N2JB
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DXing Jupiter

The summer doldrums are now upon us. The lack of sunspots reduces the MUF. More and more stations crowd into the few bands remaining open at night. Makes you want to take up stamp collecting at times. Are you looking for a new challenge? Would you like to possibly make a contribution to science? Maybe you can.

It is time to turn your DX energy to a once in a millennium experience. A fragmented comet will be colliding with the planet Jupiter during the period between July 16 and July 22. What could that possibly have to do with short-wave radio listening? Read on.

The planet Jupiter has been known for many years as the source of mysterious radio noise bursts. In fact Jupiter emits more energy than it receives from the sun. There are processes going on in Jupiter's gaseous interior that indicate that given more mass Jupiter might have evolved as another sun. There are many examples in our galaxy of double stars which orbit around each other. Fans of science fiction writer Arthur C. Clarke will recognize this theme from his writings. Recent observations by NASA have indicated that these noise bursts may be correlated with gigantic lightning bolts which arc between the moon Io and Jupiter.

The upcoming comet collision could unleash disturbances that may result in enhanced noise emission. Nobody knows for sure that this will happen, but that is the fun of pure science.

The emissions from Jupiter are generally heard around 20 MHz plus or minus 2 MHz. They are broad band as you would expect

from noise emissions. Why are the noises heard in this frequency range? It probably has something to do with some as yet unexplained physical phenomenon occurring in the atmosphere of Jupiter. Synchrotron radiation (look that up in your Funk and Wagnals) has been suggested as the most likely explanation.

The noises have been described as resembling the sound of the seashore. Others have observed very distinctive chirps or staccato noises. On a strip chart recorder the signals resemble the static crashes of a distant thunderstorm. Furthermore, while Jupiter is quiet at one frequency it can be quite active at another.

The recent dive in the sunspot cycle leaves the frequencies of interest devoid of terrestrial radio interference most nights. This enhances the probability of hearing Jupiter's emissions with modest antennas.

You will do best with an antenna that has some gain near 20 MHz. A 15 meter beam would be a good choice. Ideally the antenna should be tiltable in elevation to allow pointing at Jupiter but mounting it 20 feet above ground should provide a vertical lobe direction corresponding roughly to Jupiter's elevation in the evening at mid North American latitudes. Circular polarization would help overcome fading induced by Faraday rotation as the signals transit the ionosphere but be happy with any antenna providing gain at 20 MHz.

If you have more than one receiver, feed the antenna output to a low noise preamp and then to a multicoupler that can divide the

signal into multiple outputs. Such devices have been seen on the surplus market in recent years at radio flea markets where they sell for about \$50. Ask around your local ham radio community and you may find one stashed in someone's junk box. The multicoupler outputs are then connected to as many receivers as you and your friends can scrape together. The receiver audio outputs are then connected to the input of a multitrack recorder. Studio machines of four or eight tracks would be good choices. One track and one receiver must be dedicated to recording a precision time reference from either WWV or CHU. The time track will allow post event comparisons of data recorded at widely separated locations by different observers.

Normally radio astronomers use wide bandwidth receivers to gather as much noise power as possible from radio noise sources. So don't be afraid to use the 16KHz wide setting of your R-390A's and similar low selectivity receivers. In this application more bandwidth delivers more noise power to the detector. Naturally, you must tune the receivers to clear frequencies. Interference may set the upper limit on usable bandwidth. Use as many different frequencies as you have receivers.

Details of the exact times of impact will be refined by NASA from Hubble Space Telescope observations and will likely be available on the computer BBS's.

Astronomy magazine for June 1994 contains a list of predicted impact times and locations.

You can probably find a copy in your local library. Beware that these times were calculated based upon observations in February and will likely be updated as collision approaches. However, don't just listen at the predicted impact times. The effects

may be delayed by the as yet unknown physical processes that cause the noise bursts.

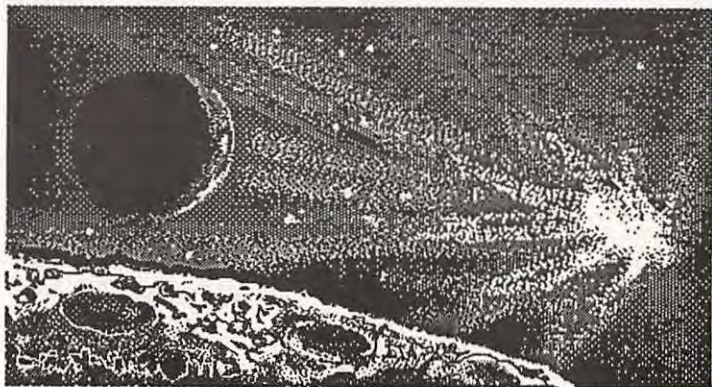
The impacts will occur out of view of earth, but Jupiter's rapid axial rotation will bring the impact region into view within about two hours after the collisions.

Jupiter is one of the brightest objects in the sky and should be easy to spot. Jupiter will be visible in the southwestern sky at 9 PM local standard time on July 16 just above the moon. Look for it in the same part of the sky each night.

Exactly how the data will be analyzed and compared between different observers is still to be worked out. The important thing is to capture the data. Even if you can only record one frequency and WWV on your cassette recorder, that will be better than nothing. If you don't have a 15 meter beam, find a ham who does and interest him (or her) in the project. After all the hams are also pretty bored with HF conditions these days. If you can't find a beam, use a 22 foot dipole oriented with the wire running East/West. If we hear anything at all I am sure there is a PhD candidate in astronomy or physics who would love to have the data for his thesis. Give it a try. Your one small step may help mankind take another great leap.

If you get any results, let me know and I will try to find someone to piece the puzzle together.

Until next time, stay tuned.



Equipment Review

Alan Johnson N4LUS
6001 Goldsboro Road
Bethesda, MD 20817
CompuServe 76665,1756
GEnie A.JOHNSON64

The Drake SW8 Receiver

At a time when other manufacturers are trying to see how small a shortwave radio they can make, the R. L. Drake Co. is bucking the trend by introducing a substantially-sized portable: the SW8. The SW8 is truly a portable in the sense that it is self-contained—it has a whip antenna (which pulls out of the front panel), a holder for 6 "D" size batteries and a four-position carrying handle. However, it is the largest portable since the Grundig 650, although in terms of layout it resembles the Magnavox D2999. Its dimensions are 5.25 x 11.5 x 13 inches (HxWxD), so it's not a portable in the sense of being able to toss it into one's airline carryon bag. "Luggable" might be a more applicable term. Despite its size, it's relatively lightweight, weighing 10 pounds without batteries, but including the AC power cube. The radio is priced at just under \$600.

It is a full-featured radio, although it lacks a lot of frills. It receives MW and SW (500 kHz to 30 MHz), as well as the FM broadcast (in stereo when headphones are used) and aviation band from 118 to 136 MHz. I'm not sure why the Air Band was included—when I'm travelling, I'd rather have access to the NOAA weather broadcasts on the VHF-High band. The front panel is very spartan, consisting of three knobs for Power/Volume, Tone and Tuning, a 16 key keypad for frequency entry and various feature selection and two Up/Down tuning buttons. The keypad is the same as that used on the Drake R8, but differs in labelling and logic. To enter a frequency the "Function" key is pressed to put the keypad into numeric mode and the complete frequency in kilohertz format is entered, including trailing zeroes. Without pressing the "Function" button first, the keypad is used to select mode, bandwidth, clock, memories, etc.

BASIC FEATURES

There is a product detector for reception of SSB and CW signals and a synchronous detector to help reduce fading on AM shortwave signals. Tuning steps on shortwave are 100 Hz in AM and 50 Hz in SSB/CW. There are three selectable IF filters—nominally 6, 4 and 2.3 kHz, which can be selected in any mode (except FM). The SW8 also has selectable Fast/Slow AGC and a switchable 20 dB attenuator to tame strong signals. The large LCD display is nicely backlit (the lighting can be switched off to conserve the batteries) and displays a host of information, including a bargraph "S" meter. There are seventy memory channels, dual clocks and an on/off timer which controls just the SW8—there are no switch contacts to control an external tape recorder, although there is an line level audio output. There is no provision for receiver control by an external computer.

The back panel of the SW8 contains several connectors for external antennas which offer a great degree of flexibility. For shortwave and MW reception, there is a SO-239 connector for 50 ohm coaxial cable, as well as spring clips for either 50 ohm or 500 ohm leads. There are additional clips for a 300 ohm leadin for the FM and Air bands. Switches on the back panel allow selection of either the whip or external antennas. Also on the back are a squelch control for the Air band, an external speaker jack and a "barrel" connector for external power (7 to 10 volts DC). An AC adapter is supplied and the radio draws 650 to 750 mA, depending on volume level and whether the LCD backlighting is on or off.

LOOKS GOOD ON PAPER

It's evident from the above description that the SW8 received a great deal of careful thought during its design. There are not a lot of bells and whistles (which contributes to the set's ease of operation) but all the basic features of a good radio have been accounted for. However, it's hard to know what to use as a standard of comparison for judging the performance of the SW8. Is it a portable or a desktop? Is it an easy to use entry-level radio or is it a DX machine? Drake's advertisements seem to indicate that it is all of these. After a month's use of the receiver, I wonder if Drake didn't try to cover too many bases. I initially considered the SW8 to be a portable, and was disappointed to find that it is relatively insensitive when the built-in whip antenna is used. I'm not talking about just low "S" meter readings but being unable to hear stations copyable on my other portables. The plus side is that the SW8 is very well behaved with an outdoor aerial, i.e. not prone to overload as most portables are. I used one of the Radio Shack active antennas as well as my outdoor wires and got very good results. When compared to other desktop communications receivers, the SW8 falls down in the IF filtering department. Although high-grade Murata ceramic filters are used, the bandwidths I measured using a signal generator were wider than those in the radio's specifications. I measured the -6 db passband at 8, 5 and 2.6 kHz for the nominally 6, 4 and 2.3 kHz positions, respectively. I'm sure this is one reason that the radio has such good sound, and practically speaking, they are not such a bad combination, as the 8 kHz is good for fidelity, the 5 kHz is useful for moderately congested band conditions and the 2.6 filter can be used (either in AM mode with the radio off-tuned slightly or using the SSB mode for ECSS technique) when the going gets tough. The sync detector works well, holding lock except in the deepest of fades but does not allow for selection of upper or lower sideband.

GOOD AUDIO AND FM PERFORMANCE

The SW8 has an approximately 3 inch front-mounted speaker and with a 2 watt power amp it really sounds great on both SW and FM. The bad news about the audio is that the amplifier is a bridged design that isolates the output from chassis ground. This negates the use of any outboard audio accessories, such as noise reduction units, filters, etc. I think the FM performance of the radio is very good—I live in the shadow of an FM station's antenna and there is another station further east that most radios won't pick up—the Drake had no problems, although I had to collapse the whip a bit.

I'm a bit ambivalent in my review of this radio since I can't decide exactly what it is supposed to be. It is well-constructed, sounds good and operates smoothly. However, with just the built-in whip, it is less sensitive than other portables. Perhaps if there were an internal pre-amplifier for the whip sensitivity would be better, but then the dynamic range would probably be degraded. Also, it is a bit large for a portable, being better suited for automobile rather than airplane trips. It lacks some of the refinements (PBT, notch filter, etc.) and the selectivity of a true communications receiver. Perhaps the best way to view it is as an "entry-level" radio which offers ease of use, reasonable performance and good sound and happens to be somewhat portable, but at a rather steep price for someone's first radio. I think that in this price range, the Lowe HF-150 offers greater portability and equally good sound, although it lacks FM broadcast reception and has no clock/timer.

LIFE IN HONDURAS, PART TWO

By Don Moore

About a year ago I had an article here in the NASWA Journal reminiscing of my life in Santa Barbara, Honduras with the Peace Corps in the early 1980s. I've received a lot of nice comments on that article, so have decided to follow up with a second look behind the scenes at what life is really like in Central America.

WATER, WATER EVERYWHERE

Life in a place like Honduras can be very different in even the simplest of things. Take water for instance. In North America we have hot water heaters in our homes. We wash dishes in hot water and take hot showers. If you take a cold shower up here, you must have a good reason. In Honduras, only the welloff have hot water in their homes, and that never included me. In most Honduran homes, water comes in one temperature: cold. Just how cold it is depends on elevation: The higher the town, the higher in the mountains the water source is, and the colder the water. Santa Barbara is in a valley, so the water there wasn't very cold. On a really hot day, it could even feel good. Tegucigalpa, at 3,000 feet elevation, is another matter. In Tegucigalpa, I always took very quick showers. Then there's Guatemala. I've been to places in Guatemala that are 5,000 feet or more above sea level. In places like that you don't take a cold shower unless you have a friend waiting nearby to revive you. Not fond of cold showers, I rarely took a shower while at home in Honduras. Instead, I kept a large bucket of water in my shower stall and each evening added a gallon of boiling water, warming the bucket to the comfort zone for a plastic dipper bath.

There was a relatively cheap local way to get a hot shower. In Central America for about a hundred dollars you can buy small electric

water heaters to hook up to your showerhead. When the water is turned on, the heater comes on automatically and hot wires heat the water up as it passes by. The heating power is rather limited, and if the water is turned on full pressure it will hardly be heated at all. A truly hot shower is only possible if the water is kept at a trickle. The main reason that I never invested in one is that the thought of my shower water traveling through electricity a split second before hitting me made me more than a little nervous. Despite fears of electrocution, I did use these mini-instant water heaters several times while staying in cheap hotels. Better hotels, at eight or ten dollars a night, had real hot water from real hot water heaters. But Peace Corps volunteers don't get paid a lot and I was cheap. Flea-bag hotels with life-threatening showers were the norm when on the road.

Showers weren't the only problem concerning water. Keeping a supply of drinking water on hand was a daily chore. Since one never knew what nasty microscopic things were floating around in it, water for drinking had to be boiled for twenty minutes and then strained to remove the mineral precipitates. Any wonder that I drank so many soft drinks in Honduras that I hardly touch the stuff any more?

Actually, the water was often safe to drink without boiling. But "often" is not the same as 100%. Drinking unboiled water can be like playing Russian roulette. I played the game way too often and got two cases of amoebic dysentery to prove it. Amoebic dysentery is much more serious than the usual "turista" that Americans sometimes get when traveling in Mexico. "La turista" is simply the digestive system trying to adjust to new and unusual tropical bacteria naturally found in the water. Given a few days, the body will work itself out. Some Peace Corps volunteers, including me,

even got this after returning to the United States as our systems got reacquainted with North America's tiny fauna.

I hope that no one finds this discussion of bodily functions distasteful. In Honduras, these were facts of life, and when Peace Corps volunteers got together, you could bet that one's recent feces consistency would be a topic of discussion. I even remember discussing bowel movements on dates. Actually, though, it was only Peace Corps volunteers and other foreigners who spent lots of time thinking about and discussing intestinal problems. For most Hondurans, these diseases were simply a fact of life. Hondurans rarely boiled their water or took any other precautions. Mostly they didn't know what to do or didn't understand the connection between contaminated water or food and disease.

And teaching people about boiling water wasn't as easy as it appears. Outsiders can't just go into villages and tell people to begin doing something differently than they have been doing for centuries and not expect a certain amount of resistance. One PCV I knew once planned a health workshop to try to teach poor women in her village to boil water, but when the village alcalde (mayor) heard about this he prohibited it on the grounds that it was "puro comunismo". Now it may seem pretty far-fetched to say that boiling drinking water is a form of Communism, but the alcalde was a lot smarter than it would appear. He belonged to the wealthier minority that ran the regional economy and he knew that if the peasants realized that they had the power to make improvements in their own lives through small things like boiling water, they might begin to question other factors in the status quo as well. Change starts small, sometimes petty local officials could be the worst impediments to change because in the long run they had the most to lose. In Honduras, any change could be tarred with the tag of Communism, the all-purpose bogeyman.

Getting back to the topic of water, despite the problems I was glad to at least have running water. Many villages do not have water systems and most of the rest of the country has inadequate service. Even in the large cities of San Pedro Sula and Tegucigalpa, different

sections of the city would have their water cut off for hours at a time because the system couldn't supply everywhere at once. For my first eight months in Santa Barbara I lived in the town itself, which had a very good system, by Honduran standards. About once a month the water would go off for maintenance, but otherwise we had running water 24 hours a day.

But for my last sixteen months I lived in the village of Galeras, where the school I worked in was located, about a mile outside town. The water system in Galeras couldn't handle the demand, so we only had running water for about nine or ten hours a day. Every morning the water system would be turned on about 7 or 8 a.m. We had water all day until about 4 or 5 p.m. when the reservoir was empty, and then it would be shut off to allow the reservoir to fill up overnight for the next day's use. In order to have water at night, people kept buckets and other containers filled up. This was especially important during the dry season when we might only have water service every other day.

The need for storing water brings us to the next topic - pilas. An English-Spanish dictionary will tell you that "pila" means battery, and indeed it does. But in Central America it also refers to large rectangular concrete basins for storing water found outside some Honduran houses. Sizes varied, but usually they were about 3 feet high, 4-5 feet long, and 3-4 feet wide. Half of the top was always covered with a solid concrete washboard, which is where the laundry was done - by hand, of course. The other half of the top was uncovered. The washing process was simple. Lay the item to be washed on the washboard and dump a plastic container or two of water on it to get it wet. Then rub with a bar of laundry soap to get it soaped up (the soap was harsh stuff and really dried out the hands) and rub the clothing against the ribs of the washboard to scrub it. Finally dump a few more containers of water on to rinse away the soap. The washboard section had its own drain so that the soap never contaminated the water in the pila itself. Washing clothes in a pila may not be as convenient as a washing machine, but it's much better than washing clothes in a river, as people too poor to have a pila do.

ANOTHER DELICATE SUBJECT

Well, in discussing amoebic dysentery and bowel movements, as I did a couple paragraphs above, this article has probably sunk to a record low for NASWA. Might as well continue on the low road with a look at, ummmmm, toilet paper. Honduras has its own specific customs regarding toilet paper, and they are very different from those in North America. Of course, poor people, being poor, use old newspapers or whatever instead of buying toilet paper. But then, poor people normally have latrines or a clump of bushes instead of a flush toilet. So, bear in mind that this is just about the middle and upper classes.

First, nobody in Honduras flushes used toilet paper down the toilet. Instead, it is thrown in a wastebcan beside the toilet. This may seem unsanitary, but it is necessary. In most places the plumbing is very bad and can't handle the paper. So, rather than chance clogging up the toilet, people throw the used paper in the trash.

Another important fact about toilet paper is that in Honduras you generally don't find a roll of it in the bathroom. In Honduras, having the whole family use from the same roll of toilet paper is regarded sort of like having the whole family use the same toothbrush would be in North America. Actually, it's not that bad, but you get the idea. Furthermore, having a roll of toilet paper placed in a public restroom in a restaurant or store is unheard of. Instead, everyone has to carry their own, which people do. Women carry a partial roll in their purses and men carry some folded up in their pockets. Wherever you are, when the time comes you had better be carrying some toilet paper with you, or you're in big trouble. It sort of gives a special meaning to the phrase, "Don't leave home without it!" In fact, after returning to the U.S. it was several months before I was comfortable leaving home without it!

BUGS, BUGS, AND MORE BUGS

In the first "Life in Honduras" article, I pointed out that due to pigs eating manure in the streets, there weren't many flying insects. The nonflying variety more than made up for their absence, however. Ants were everywhere. In the corner of the backyard of one house I lived in for a few months there was a nest of fire ants - a wide but low mound of loose dirt hidden by grass and weeds. Because the backyard was small - about 20 x 25 feet - it was hard to miss

the ants when hanging clothes out to dry and many were the times that I or other PCVs living or visiting there stepped in the ants. In just a few seconds there would be dozens covering and biting the victim's leg; it didn't take long to figure out where the 'fire' came from in their name. The remedy was close and simple, however. Run to the "pila" and jump in feet first, with a few choice words along the way. The cool water made the wounds feel better and drowned the ants.

Fire ants weren't very common - or at least I never encountered them anywhere except that one house, but there were many other less hazardous varieties. Long columns of single-file ants were part of every day life in Honduras. Tiny, almost microscopic, ones were good at invading the kitchen. Everything had to be kept in tight containers and dishes washed immediately, or these guys would find their way in from outside under the door or through the window screen.

The real threat to food wasn't from tiny ants, but from cockroaches. Honduras' tropical climate is cockroach heaven and the most common species grow to two or three inches in length. I would find them behind containers or on the underside of my table all the time. When I swatted them, I just let them lie on the floor and within 15-20 minutes a long line of ants would appear from under the door to cut the cockroach up and haul it away. Oddly, these ants were not the tiny ones that went after stuff on my kitchen table, but another slightly larger variety that only appeared when there were cockroaches on the floor. I don't know how they knew. Sometimes I wonder if they had some sort of group ESP. But, they carried the cockroaches away, and that was all that mattered. At one house I lived in for a couple of months, there were a couple of scorpions that lived in cracks in the wall. We could have gotten rid of them, but they ate the cockroaches that crawled up the drain from the sewer, so we left them alone. Except for cockroaches, the general rule with insects was live and let live, mostly because we were so greatly outnumbered by the insects.

Things like this can make life in a place like Honduras look hard, and indeed it is, especially for the poor majority. But boiling water for drinking or bathing is a lot less stressful than being caught in a traffic jam and I would rather put up with ants and cockroaches any day instead of telemarketers. In the end, which place is better is just a matter of give and take.

NASWA Portraits

Jerry Klinck

43 Lein Road
West Seneca, NY 14224



For this month's Portrait we're "Goin' Back to Houston, Houston, Houston!". I guess that song dates me a bit, but it was a favorite. I think you'll enjoy the nice visit with fellow NASWAN Walter B. Fair of, you guessed it!, HOUSTON.

"I first got interested in SWLing when my dad gave me a Hallicrafters S-40B to play with. I threw about 5 feet of wire on the floor (hey, what does a 12 year old know about antenna theory?) and managed to hear the VOA, the BBC and, miraculously, R. Australia. When that happened, I was hooked. The year was 1963 and I'll remember the thrill of those "catches" for the rest of my life!

"After that I spent a lot of time at the library, reading everything I could about radio and foreign countries. It didn't take too long to figure out that I needed more than 7th grade math to understand the theory, so I started studying math and science too. In high school I took 8 years of math in 4 years (Bless your courageous heart, Walt, I was lucky to get by 4!-ed.) as well as every science course they'd let me into. I also got interested in Latin American DX, so I threw in a few years of Spanish. Needless to say, I aced world geography, since I knew about places even the teachers weren't too sure about. I had more than one teacher just shake their head when they asked me why I was so interested in math, science, language and geography. It was so I could listen to more shortwave! I also upgraded to a Hallicrafters SX-99 receiver which went with me whenever I moved because of college or work.

"While attending college for engineering (not electrical) my math background made most courses a snap. Due to my incessant digging for information, I also learned to do research, a skill which has served me well over the years.

"In the meantime, quite a few things have changed. The NASWA Journal was called FRENDX back then. I heard about NASWA on WNYW, Radio New York Worldwide, which is now gone. I keep my log on a notebook computer instead of a spiral notebook. I had a certificate from Popular Electronics that proclaimed me

WPESECA; now I have an FCC Certificate that says I can identify as KE5WJ. I wished I could afford an HRO-500 and the cost of IRCs has gone way up. With my digital receivers I haven't used my crystal calibrator for quite a while and I'm so happy that R. Habana has finally stopped sending me mail; I guess it finally sunk in that I wasn't interested in Communism.

"Now I own my own company and get to travel to Europe and Indonesia to see some of the countries I used to listen to and wonder about. I also have done some business with Latin America but so far my travels there have been limited. Hopefully, that will change. The SX-99 is still working, but mostly retired. I think I understand quite a bit more about propagation and antennas but I still have no idea why that 5 foot wire worked so well laying on the ground, 30 years ago. I still enjoy listening to Latin American stations and concentrate my DXing to below 10 MHz, for the most part. I just wish I had the time to listen as much as I used to.

"There are some things that have not changed, though. The thrill of hearing a new station is still there as well as the enjoyment of reading the Journal and keeping up with the changes in the hobby and the stations. I still try to find out about other cultures, keep up on political changes around the world and always have a shortwave receiver and antenna with me when I travel. And I'm still a sucker for a book about radio.

"Recently, one of my associates asked me how I got so interested in math, science and engineering. He also wanted to know how I learned to do research, run a couple of businesses, make foreign contacts and understand other cultures. I told him it was simple: I'm still learning, as a result of listening to the radio!"

Thanks for the great visit, Walt. Yet another facet of life with shortwave radio. As of today, I am down to one profile, that of a lady NASWAN right around the corner from me. We'll hear from her next. Meanwhile, if you've been putting it off, now's the time to send us your story! Meanwhile, gud listening!!

Listener's Notebook

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AFGHANISTAN—Mail service has been suspended to this country. (Paszkiwicz Numero Uno No. 1275 June 10th)

ALBANIA—*Radio Tirana* From May 23rd, the First Program of *Radio Tirana* (Domestic Service) will be broadcast from 0300–2200 on 6100. The Second Program will be broadcast from 0900–1400 on 6145. This will enable reception over a wider Balkan area. (BBCMS Summary of World Broadcasts No. 21 May 27th) For the first time, after 60 years of its existence, *Radio Tirana* succeeded in broadcasting 24 hours non-stop on June 4th, thus realising an old dream of many generations of radio journalists. The inaugural programme was entitled "No Silence" and it is to continue every Saturday during the summer season. The organizers of it are a group of young journalists from *Radio Tirana*. (BBCMS Summary of World Broadcasts No. 23 June 10th)

ARGENTINA—*Radio Nacional LRAI* operates on the following schedule: 6060 weekdays 2100–2200 0100–1400 weekends 0100–1400. 9690 daily 2300–0100. 11710 daily 1400–1700 weekends sign on is at 0900. Sundays only from 1700–2200v soccer coverage. 15345 weekdays 0900–1400 weekends 1000–1400 Sundays only 1700–2200v soccer coverage. The program on 11710 from 1400–1700 is beamed to Antarctica. I will QSL these transmissions. Send 2 IRCs to: G.I.B., Casilla 2868, 1000-Buenos Aires for a quick air mail reply. (Gabriel Ivan Barrera May 31st) A federal judge confirmed that the Federal Police and other security organizations can—with a court

order in hand—break into pirate radio stations. The case originated in a previous decision ordering a raid on and the seizure of the transmitters of the *General San Martin* FM radio station, which was operating illegally. The National Telecommunications Commission (CNT) with Federal Police support closed five pirate FM radio stations in Chubut, four in Trelew, and one in Madryn. So far the Federal Committee for Broadcasting (Confer) has closed and seized the transmitting equipment of more than 800 radio and television stations throughout the country. (BBCMS Summary of World Broadcasts No. 23 June 10th)

ARMENIA—*Arax Radio Agency* Heard on 11790 11920 and 11945 at 2230. (Brian Alexander June 4th)

AUSTRALIA—*Radio Australia* Two new transmitters were officially opened on May 20th near Darwin in the Northern Territory. The new 250-kW transmitters give the National Transmission Agency complex a total of five transmitters with three operating at any one time. (BBCMS Summary of World Broadcasts No. 21 May 27th)

BANGLADESH—*Radio Bangladesh* Heard on the new frequencies of 7190 and 9688 with English from 1815–1845. (Buschel Shortwave News June)

BELARUS—*Radio Minsk* has programs in Belarussian and German from 1800–1900 on 11960 7210 and from 2330–0000 in Belarussian only on 11770. (BBCMS World Broadcasts Schedules No. 18 May 6th)

BELGIUM—*BRTN-RVI* bought two shortwave transmitter from former French *RTFB*. One 250 kW built in 1972 and one 100 kW reserve transmitter from 1952. Now, *RVI* site Wavre consists of two 250 kW of 1972, one 100 kW of 1980 and one 100 kW reserve of 1952. Budget cuts at the station only allows the use of three transmitters in parallel only. The reserve transmitter will be used for special events and sporting programs occasionally. (Golfgids Tips via Shortwave News June)

BOLIVIA—*Radio Carlos Antonio* 4632.4 This is a new station located in Guayamerin. They were heard at 2240 announcing 4635. (Ekwall Numero Uno No. 1274 June 3rd)

Radio Galaxia 5120 heard here at 2330. (Osterholm Play Dx No. 793 June 5th)

Radio Nacional de Huanuni 5964v has been off the air recently, apparently due to financial difficulties of the miners' union which owns the station. (TIN Relampago DX No. 56 May)

BRAZIL—*Radio Record* A verification signer here is Mario Luiz Catto, dir. geral. (Norgren Shortwave Bulletin No. 1254 June 5th)

Radio Cultural Araraquara 3365 A verification signer here is Antonio Carlos Rodrigues dos Santos. (TIN Relampago Dx No. 56 May)

CHAD—*Radio Moundou* 5286 A verification signer here is Dingantoudji N'Gana Esaie. (Norgren Shortwave Bulletin No. 1254 June 5th)

CHILE—*Radio Triunfal Evangelica* 5825 is operating from 2300-0200 daily and will go to 0000-0300 in the local summer. (Gabriel Ivan Barrera June 8th)

CHINA—China confirmed on May 19th that it had agreed to visits by technicians from the *VOA* to discuss alleged Chinese jamming of broadcasts by the US radio network. The move is an apparent concession to US president Bill Clinton who made the cessation of radio jamming by the Chinese authorities one of the conditions for renewal of China's most-favoured-nation (MFN) status with the United States. "The Chinese side has agreed with the US side to send technicians to China to talk about technical matters, such as the question

of overlapping frequencies," Foreign Ministry spokesman said. However, he stressed that China did not jam *VOA* broadcasts and dismissed any linkage of the issue with the MFN debate. "There is no such thing as the jamming of *VOA* by China," Wu said. "The study of the technical problem of broadcasting frequency overlapping by the experts from the two sides, has nothing to do with MFN trade status," he added. According to a US embassy official, one technician has already arrived in Beijing and will soon begin discussions with Chinese colleagues "to review information concerning possible interference with *VOA* radio signals." *VOA* has repeatedly accused the Chinese of interfering with their broadcast frequencies, specifically those used by the network's Chinese service. Beijing is especially sensitive to the issue of foreign broadcasts and has reacted angrily to US plans to set up a *Radio Free Asia*, broadcasting into China and other Asian countries. China says the plan is an attempt by the United States to sow confusion and discord in the region. (BBCMS Summary of World Broadcasts No. 21 May 27th) On May 26th, US and Chinese technical experts completed a week of talks in Beijing on Chinese interference with *VOA* broadcasts. A State Department spokesman declined to describe the interference as jamming, apparently in deference to Beijing government sensitivity, but he said the two sides have reached agreement to—as he put it—disentangle frequencies used by both *VOA* and Chinese state radio. He said *VOA* broadcasts will be transferred to other frequencies not currently used by the Chinese. He indicated that the two sides will meet again to discuss the implementation of the arrangement that should result in interference-free broadcasts by the official US network. That was one of the goals set forth in President Clinton's executive order last year linking a renewal of China's US trading privileges to improvements in Beijing's human rights record. (BBCMS Summary of World Broadcast No. 22 June 3rd)

CPBS From 1100 on 1st June until 0100 on 21 July the following *CPBS* frequencies will be off for equipment inspection: 5880, 5915, 5955, 6125, 6750 and 9800. (BBCMS Summary of World Broadcasts No. 22 June 3rd)

Voice of the Straits has changed schedule drastically on April 1. The 1st Network, which is the new name of 1st Program, is on the air from 2155-0200 and 0855-1700, the 2nd Network from 0255-0600 and 0955-1500. (Satoru Suga and Akira Yamanaka, the Asian Broadcasting Institute)

Guizhou PBS 1st Program now signs off at 1600. The frequencies are 3260 7275. (Tatsuo Gima, the Asian Broadcasting Institute)

Jiangxi PBS 1st Program 2445 signs off around 1300, but the program continues on 5020 until the signoff at 1500. (Tatsuo Gima, the Asian Broadcasting Institute)

Xinjiang PBS Chinese: 4500 7385, Uighur: 4735 7195. By the way, 5800 and 6100 have not been heard for a year. (Satoru Suga, the Asian Broadcasting Institute)

China National Radio (CNR) broadcasts as follows:

1st Program: 1958-1733 except 0600-0853 on Tue.

- 4460 1958-2200 1201-1733
- 5320 1958-2300 1101-1733
- 5880 1958-0100 1100-1733
- 5915 1958-0100
- 5955 1958-0100
- 6125 1958-0100 1100-1733
- 6750 1958-0100 1100-1733
- 6840 1958-1733
- 7504 1958-1733
- 7935 1958-2400 1231-1733
- 9080 1958-2315 1401-1733
- 9290 1958-1733
- 9800 1100-1733
- 11800 1958-1733
- 12120 2201-1200
- 15390 2316-1400
- 15550 2301-1100
- 17605 0001-1230

2nd Program: 2058-1558 except 0600-0953 on Tue and Fri.

- 4800 2230-0200 1000-1230 1300-1558
- 4905 2058-2330
- 5163 2058-2340
- 6890 2058-2330 1101-1558
- 7440 1100-1558
- 7516 2058-2330 1100-1558
- 7770 2058-2340 1241-1558

- 9064 2058-1558
- 9755 2341-0200 1000-1558
- 9775 2230-0200 1030-1200 1300-1558
- 10260 2058-2400 1200-1330
- 11040 2331-1100 except 0515-0900 on Tue
- 11610 2058-1558
- 11630 2058-2340 1100-1240 1330-1558
- 11710 2058-2400 1101-1558
- 15500 2341-1240 except 0515-0900 on Tue
- 17700 0001-1100 except 0515-0900 on Tue

Minorities Program:

- 2129-2156 Korean 5420 6110 9775
- 2159-2226 Mongolian 4800 5420 6110 9775
- 2359-0026 Tibetan 11375 11630 15670
- 0029-0056 Uighur 10260 11375 15670
- 0059-0126 Tibetan 10260 11375 15670
- 0429-0456 Korean 8566 9775 9920
- 0459-0526 Mongolian 4800 8566 9775 9920
- 0529-0556 Tibetan 11375 11630 15670
- 0559-0626 Uighur 10260 11375 15670
- 0629-0656 Kazakh 10260 11375 15670
- 0959-1026 Korean 8566 9775 9920
- 1029-1056 Tibetan 11375 11630 15670
- 1059-1126 Uighur 10260 11375 15670
- 1129-1156 Kazakh 10260 11375 15670
- 1159-1226 Korean 5420 6110 9775
- 1229-1256 Mongolian 4800 5420 6110 9775
- 1259-1326 Tibetan 11375 11630 15670
- 1329-1356 Uighur 10260 11375 15670
- 1359-1426 Kazakh 10260 11375 15670
- 1429-1456 Mongolian 10260 11375 15670

Broadcasts for Taiwan:

1st Program: 0053-0609 0953-0004

- 9380 1316-0004
- 9455 0953-0004
- 11100 0053-0609 0953-0004
- 11935 0053-0609 0953-0004
- 15710 0053-0609 0953-1315

2nd Program: 2053-0104 0353-1804 except 0604-0953 on Tue

- 6095 0953-1804
- 9170 2053-0104 1616-1804
- 11000 2053-0104 0353-1804
- 15880 0353-1615

(Satoru Suga, the Asian Broadcasting Institute)

CLANDESTINES - AFRICA — *The Voice of Renamo* (a Voz da Renamo-Portuguese), the radio of the Mozambique National Resistance movement has returned to shortwave. They announced the following schedule: 6145 0500-0600 9900 1045-1145. 1600-1700 5180. The station says they operate from studios in Gorongosa (Sofala province) (BBCMS Summary of World Broadcasts No. 21 May 27th) While the 1045 and 1600 transmission frequencies look like they are coming from in country, I wonder if other facilities are being used for the 0500 transmission i.e. *Swazi Radio*? as the station had previously. See January LN. (HJ June 5th)

Vorgan Radio At the conclusion of Angolan government-UNITA negotiations on June 3rd, it was decided, that the *Voice of Resistance of the Black Cockerel* will continue to broadcast on shortwave, as an exception, for about 270 days once a peace agreement. After that date and in accordance with the legislation in force, the station will become a depoliticised radio station, broadcasting on adequate frequencies to be accorded to it. (BBCMS Summary of World Broadcasts No. 23 June 10th)

Radio Muhabura 6275 signs on here at 0410v and signs off at 2005v on 6285. (Korinek Numero Uno No. 1275 June 10th)

Unid Sudanese I've learned from press reports that a new anti-Sudanese government clandestine is on the air, but more details are still unknown. (Mathias Kropf June 19th)

CLANDESTINES-ASIA—Democratic Voice of Burma, the radio of the National Coalition Government of the Union of Burma, has added new programmes from 0000-0030 and from 0100-0125 on 11835. The existing programme, from 1430-1455, continues to be broadcast on 11850. (BBCMS Summary of World Broadcasts No. 22 June 3rd and No. 23 June 10th) I would assume that these additional broadcasts are also via *Radio Norway* transmitters. (HJ June 5th)

CLANDESTINES-EUROPE—Radio Dniester International While the station continues to announce both 15290 and 9620 for its 2030 transmission, it is only heard on the former here. (HJ June 12th)

CLANDESTINES-MIDDLE EAST—Al-Quds Radio In response to a comment that

it is jamming Israeli stations with its signal, particularly on mediumwave, the station responded as follows: 1—The Israelis have jammed our station since its inception. 2—We are obliged to change our frequencies from time to time, particularly those on the medium waves, due to the jamming. 3—Whenever the Israelis increase their, especially during signing ceremonies of agreements, to prevent our voice from reaching our people's masses, we change our main medium wave frequency and choose one that is close to that of the Israel Radio so that jamming will also affect them. (BBCMS Summary of World Broadcasts No. 22 June 3rd)

CLANDESTINES - LATIN AMERICA—Radio Neg Nawon means 'Marooned Negro' in Creole. (Foster, Martin OZDX No. 92 June)

LV de Alpha 66 According to the New York Times, the Chief of Operations for Alpha 66 was arrested in Miami on June 3rd for attempting to buy stolen military equipment. (Zeller Numero Uno No. 1275 June 10th)

As far as *CID* is concerned they're still off the air completely (and the Cubans are still jamming 9942!). The son of the head honcho at *CID* (the son is also a leader of the group) has serious legal problems with the U.S. government (a fraud indictment, I believe), and fled to Costa Rica. The CIA cut off funds to *CID*, according to local rumors (which I believe to be true). *CID* started asking the local Cuban American community to donate funds to keep the station on the air, but apparently it wasn't enough. I spoke with Huber Matos, *CID*'s main leader, and he confirmed they were off the air, but said they hope to be able to return to the air in the future, although he didn't say when. He wasn't interested in selling their clandestine transmitter installation in Central America. (Jeff White June 20th)

The National Association of Pedagogues of Cuba (in exile), known as the "Colegio de Pedagogos" in Spanish, has begun an English segment within its twice-weekly program on *Radio Copan International* in Honduras (15675). The program, called *La Voz del Educador Cubano Libre* (*The Voice of the Free Cuban Educator*), airs each Tuesday and Friday at 1900-2000. Approximately the first 10 minutes of each program is in English,

intended to explain the Association's views about Cuba to an international audience. This is believed to be the first Cuban exile radio program in the English language. The Pedagogues are offering to send a copy of a newsletter in English to shortwave listeners around the world who write them at P.O. Box 451751, Miami, Florida 33245 USA. (Jeff White June 22nd)

CLANDESTINES-MIDDLE EAST—

While no new stations have popped since the start of the civil war. Former clandestines active towards either North or South Yemen include *Radio of the Mutawakkilite Kingdom* (1962–1970), *Radio of the National Democratic Front* (1978–?) *Radio Free Yemeni South* (1970–1980), *Radio Freedom from South Yemen* (1978–1980) and *Voice of the Free Sons of South Yemen* (1982–1985). Meanwhile, watch out for the domestic services from Sana'a on 5950, 6135 and 9780 and from Aden on 5970 and 7190. (Mathias Kropf June 20th)

CLANDESTINES-PACIFIC—Radio

United Bougainville 3880 A source at the station tells me they are using about 75 watts on shortwave and he added that they have received reception reports from throughout the South Pacific. The opposition's *Radio Free Bougainville* is also using 75 watts primarily on 3870 from mountain hiding places, probably with a long wire antenna + ATU. They also appear on 3880 at times when *Radio United Bougainville* is off the air, aimed at confusing the local people no doubt. (Nick Lock Dx'ers Calling May)

CZECH REPUBLIC—Radio Metropolis has been granted a shortwave license and plans to broadcast in the 31, 41 and 49 meter bands, possibly from July 1st. They would transmit to Eastern Europe in Czech, English and German, to North America in German and English and Czech and English to South America. Two 40 kW transmitters at Podebrady are to be used and the station wants to promote the image of the Czech Republic and focus on the role Czech companies, businessmen and capital in the world context. (Korinek Numero Uno No. 1275 June 10th)

CUBA—Radio Rebelde 5011 Noted operating here instead of on 5025 at 1239. (Sharp Dx South Florida No. 327 May 20th)

ECUADOR—Ecos del Oriente 3120 heard here instead of on nominal 3270 at 0130 due to transmitter problems. (Klemetz Play Dx No. 793 June 5th)

Radio Federacion Shuar 4960 A verification signer here is Manual Jesus Vinza Chacucuy, Director. (Shortwave Bulletin No. 1254 June 5th)

HCJB's Spanish service has a *VOA* program call *Reportage*, Sunday from 1400–1430 on 15250 11910 9765 and 6050. (BBCMS World Broadcasts Schedules No. 22 June 3rd)

ESTONIA—Radio Estonia's current schedule is as follows: 1500–1530 News and press review in various languages on weekdays 1900–2000 News, mailbox, culture, economy etc. on weekdays. All on 5925. Unfortunately their transmitter power must be very low as the reception even here in Southern Finland is sometimes poor. They must use reduced power. But they are daily on the air. I must add that Estonian Radio is—once again—in crisis as the whole country is, too. The present right-wing government is near collapse. The director of the state-owned Estonian radio was sacked about a month ago due to economical frauds. The present director of the radio company was the director of the radio in 1991–93 and has also been the director of the external service. Thus there is a hope that he wants to keep the external service on the air. But there is uncertainty in everything in that country at this moment. (Internet, Mantyla via Ben Krepp June 9th)

ETHIOPIA—Voice of Ethiopia 7110 Heard signing on at 0400 on UTC Sunday, parallel 9705 and 5990. (Brian Alexander June 5th)

FRANCE—Media France Intercontinents This feeder service operates on the following schedule: 0915–0945 25820 21730 21 685 21645 17785 17775 17650 daily. 1515–1545 25820 21685 17795 17785 except Sundays. (BBCMS World Broadcasts Schedules No. 18 May 6th)

GAZA & JERICHO—the setting up of the new Palestinian radio, providing technical support and training. (BBCMS Summary of World Broadcasts No. 22 June 3rd)

HONDURAS—*Radio Internacional* 4930
The station's call is *HRQQ* and they are operating with 1 kW. Their address is 1 ra Calle, 4-5 Avenida N.E., Edificio Bendeck, Aptdo. 1473, San Pedro Sula. (Berg Numero Uno No. 1274 June 3rd) The correct fax number is 581070. (TIN Relampago Dx Logging No. 43 May 14th–May 20th)

HUNGARY—*Radio Budapest* observed on new 5970 in English at 0230–0255 sign off, parallel 9835, for Americas. (Grumento Dx News No. 1 May 28th)

INDIA—*AIR* A couple of days ago I received a QSL from *All India Radio*. In the cover there was also a complete schedule of *AIR* domestic broadcasts including a list of their radio stations (MW/SW/FM). The schedule is valid from May 1st to September 4th, 1994. Here is a summary of what is different from WRTH-1994.

AIR Itanagar is still on 675 only, no shortwave.

AIR Gangtok, too, is listed on mediumwave only 1404, no shortwave, while DSWCI reports that the station has been already heard with 10 kW on 3390 and 4775.

AIR Thiruvananthapuram on the other hand, is listed to be on the air exactly as told in WRTH-1994 on 5010 and 7290. (Mantyla, Internet via Ben Krepp June 7th)

INDONESIA—*RRI Banda Aceh* 2432.53 Seems to be operating here as 3905 is off the air. (TIN Relampago Dx Logging No. 45 May 28th–June 3rd)

RPDT2 Bengkalis 3000 has been off since October 1992. (Foster OZDX No. 92 June)

RSPDT2 Halmahera Tengah 3126 their 100 watt transmitter is broken but they plan to use a 500 watts one at 2300–0300 0830–1400. (ibid.)

Unid 3304.3 relaying Jakarta news at 1200 and 1300. (John Bryant, Nick Hall-Patch June 13th)

RSPDT2 Masohi 3578.3 Noted here at 1254. (Atkins, Bryant Fine Tuning No. 739 June 12th)

RRI Ambon 4834.95 ex 4845 apparently to avoid co-channel Malaysia. Heard here since June 8th and audible from 0800–1400. (TIN June 16th)

RRI Yogyakarta 5046.4 is now signing on at 1157. (Foster OZDX No. 92 June)

IRAQ—*Radio Baghdad* heard in English from 0900–1200 on 15180 and 17740 but with low signal level of estimated 30 kW only. (? Shortwave News June)

ITALY—*Radio Speranza* 6233 operates 24 hours a day and has news in Italian at 0345, 0430, 0600, 1200 and 1900. (Cordioli Radiorama May via Giovanni Serra)

RAI in addition to testing from Ascension Island, this station has also tested from New Zealand and a site in Siberia. Times and frequencies are unknown. (Radiorama May via Giovanni Serra)

IRRS We are experimenting with pure SSB between 1630–1930 on 7125 from Mondays–Fridays (1630–1700 Saturdays & Sundays), to overcome co-channel interference of Hungary (1630–1700), Bulgaria from 1700, and China from 1900–2000. The 41 meters are starting to be very crowded as we expected due to the low propagation period, and everyone is fighting to keep the frequency. In short: In our case, the interfering stations (which are not beaming to our target areas) kindly provide a residual carrier on 7125, and we provide the...modulation in USB. Reception is generally possible when we air in USB using a conventional AM or synchronous detector receiver (Their carrier, plus our USB modulation). Transmitting in pure SSB we are able to increase our "effective power" by putting all of our transmitter power in one sideband, while remaining AM compatible due to the presence of the carrier "kindly" offered by the interfering stations. In Western Europe, under normal propagation conditions, our signal should prevail on the interfering stations using this special kind of modulation technique (I wonder if anyone used this ever before :). Hope you get the picture. We are also use SSB between 1900–2000 daily. Under the present circumstances, we will maintain a continuous 365 days/year presence on 7,125 daily for at least another couple of years, until the higher bands start to open. *SWR* Switzerland (Free Radio programmes over *IRRS*), will increase from 1 to 2 hours on Saturdays from 1100–1300, summertime) effective July 2, 1994 on 7125. They announced the following schedule on our station:

9 July	1100-1300	<i>Radio Fantasy</i>
9 July	1200-1400	<i>Radio Marabu</i>
16 July	1100-1200	<i>Radio Joystick</i>
16 July	1200-1400	<i>IMR-Voice of Basel</i>
23 July	1100-1300	<i>Radio Francis Drake</i> <i>Radio Stardust Int'l</i> <i>Radio Hoch-Weisel</i> <i>Int'l</i>
30 July	1100-1300	<i>Radio Fantasy</i>
6 August	1100-1300	<i>RADIOART</i> <i>IMR-Voice of Basel</i>

SWR programmes will be experimentally repeated on Fridays between 2000-2200. Finally we shall also test on weekends between 2200-0000 on 7125. (Alfredo E. Cotroneo June 22nd)

JAPAN—*NHK-Mihara Relay Station* 5428 heard here rather than on 3377.5 at 2035. (Timofeyev Shortwave News June)

Radio Japan via Skelton. Substantial changes have been made to this relay from mid-May. Monitoring reveals the following sked, as of 28 May: 2200-2300 Japanese 6055 6165 (ex 6125 5975); 2300-0000 English 6155 5965 (ex 6125 5975); 0000-0100 Japanese 6155 6180 (ex 6125 5975). (Grumento Dx News No. 1 May 28th)

JORDAN—*Radio Jordan* 12000 Noted here in Arabic at 2145, not sure if this is new or a spur of 11940. (HJ June 5th) Heard on 6035 at 1700. (Junichi Nishikawa June 11th)

MADAGASCAR—*RTV Malagasy* 7154.8 is active here between 0500-0800. (Korinek Play Dx No. 754 June 12th)

MALAWI—*MBC* The newly-elected president Mr. Bakili has announced plans to reintroduce the Tumbuka language on the station. He also disclosed that he is looking into the possibility of introducing a second channel *MBC* to cater for other minority languages. (BBCMS Summary of World Broadcasts No. 22 June 3rd)

MALTA—*Voice of the Mediterranean* says they intend to revive their French service shortly. (Mougenez Shortwave News June)

MOZAMBIQUE — *Emissao Inter-provincial de Maputo e Gaza* this station will be easier to hear shortly. Within the framework of the rehabilitation of *Radio Mozambique*, which will be very useful during the election

period, new equipment will soon be installed in the studios and two 50-kW transmitters will also be installed at the Matola transmitting station (near Maputo) in the next few days. (BBCMS Summary of World Broadcast No. 22 June 3rd) Using the 1994 WRTH as a guide, try these frequencies at 0255: 3338v 7113v 9525. (HJ June 5th)

Delegacao de Beira 9638 heard here at 1902. (Timofeyev Shortwave News June)

PAKISTAN—*Radio Pakistan* 5027 heard here in a South Asian language at 1800. (Foster OZDX No. 92 June) They have also been heard on 4895.6 with English shortly before 1900. (Giovanni Serra Radiorama May)

PAPUA NEW GUINEA—*NBC* has shut down two provincial radio stations that broadcast its Kundu Service. The *Post-Courier* newspaper reports the stations—*Radio Western* and *Radio Northern*—were closed because of problems identified by *NBC* sources as beyond their control. The *Post-Courier* says there might be more closures next month. *Radio Milne Bay* reduced its nightly broadcast from six to three hours after the air conditioning unit broke down. Meanwhile health authorities say the *Radio Gulf* office complex is a health hazard. *NBC's* Kundu Service is broadcast by 19 provincial stations. (BBCMS Summary of World Broadcasts No. 22 June 3rd)

Milne Bay noted here before and after 1000 hours, so their reduction is more than just shutting down 3 hours early. (HJ June 6th) Additionally, *Radio Western Highlands*, *Radio Southern Highlands* and *Radio North Solomons* were inactive the entire month of May. *Radio Western* was highly irregular and *Radio Northern* was off occasionally. (Foster OZDX No. 92 June) The first two of these were still off during the middle of June. However, *Radio Northern* was noted. (John Bryant, Nick Hall-Patch June 14th) Hmm, *Radio North Solomons* is having a new station being built (April LN) but I cannot explain the shutdowns at the others. Keep in mind that the new transmitter on 9675/4890 carries the Karai service while these station are provincial and carry the Kundu service. (HJ June 12th)

PERU—*Radio Tarma* 4775 is running an ad from a pennant manufacturer, so that's a good sign for pennant hunters. (Klemetz Play Dx No. 792 May 30th)

Radio Satelite 6724 will soon start broadcasting on 4780 with 1 kW of power, call OAX2L. (Pedersen Scoop BBS via Tony Orr June 14th)

Radio La Hora 4858.3 was not heard for a few days because of heavy fighting around Cusco on June 11th. (Klemetz Play Dx. No. 754 June 12th) Returned by June 16th on 4862.4. (TIN June 16th)

Radio Lider 4860 has reactivated. (TIN Relampago Dx May) But not heard for a few days after June 11th after insurgent activity in the area. (Klemetz Play Dx No. 754 June 12th) But back on by the 16th. (TIN June 16th)

Radio Villa Rica 4886.6 new frequency, ex 4804. (TIN June 16th)

Radio La Oroya 4905 Their call is OAZAG and while the transmitter is rated at 1 kW, the power is about 440 watts. This is per Jacinto Manuel Figueroa Yauri, Gerente. Their first shortwave broadcast was on 1 April and their address is: Calle Lima No. 190 Tercer Piso Of. 3, Apartado Postal No. 88, La Oroya, Provincia de Yauli, Departamento Junin, Peru. (Dave Valko June 3rd)

Radio Oriental 5179 is a new station located in San Ignacio that signs off about 0130. (Klemetz Play Dx No. 792 May 30th)

Radio Ilucan 5614v has returned here, ex 5422. (ibid.)

Radio Melodia 5995.3 Their antenna collapsed in high winds early in June. (Arrunategui Play Dx No. 754 June 12th)

Radio America 6010 Their slogan is: *los mejores tiempos de radio*. (ibid.)

Radio Oriente 6190 Returned to the air in early June after being off for six weeks. (HJ June 3rd)

Radio Huancabamba 6281.7 Says that have upped their power. (Klemetz Play Dx No. 792 May 30th)

Radio Luz y Sonido 6472.6 Their address is: 749 Jr. Damaso Beraun, Plaza de Armas, Huanuco. This station is non-commercial and operated by the Diocese of Huanuco. (ibid.)

Radio Satelite 6724 A verification signer here is: Sabino Lllano Chavez, Gerente. (Shortwave Bulletin No. 1254 June 5th)

RUSSIA—Radio Rossii and regional programs are broadcast from the Moschegorsk

site in Murmansk oblast from 0445-0300 on 5930. (St. Petersburg Dx Club via Shortwave News June)

Radio Station Nadezhda operates in Russian on the following schedule:

0300-0600	15120 11805 11740 11670 9730	9725 9490 7140 6015 5935 5915	
0600-1000	17560 15230 15120 11965 11805	11740 11670 11665 9730 9725	9635 9490 7140 5935 5915
1000-1400	15230 11740 11705 11665 9730	9725 9590 9490 5935 5915	
1400-1900	17675 15340 11985 11885 11705	9725 9590 9490 6015 5935	
1900-2100	15340 11985 11855 9725 9490	6015	
2100-2300	15340 11985 6015		

(BBCMS World Broadcasts Schedules No. 23 June 3rd)

KNLS Chinese program transmitting from Khabarovsk is now on the air on 9800 in place of 6080. Only heard on Fridays, Saturdays and Sundays from 1300-1500. On other days **Radio Moscow** in Chinese is heard. (Yoshiaki Hayashi, May 28)

SINGAPORE—BBC Noted on new 6140, from 2330-2345 with Teaching English segment on May 28th. (Grumento Dx News No. 1 May 28th)

SOUTH AFRICA—The minister in charge of broadcasting says the government will follow an arms length approach with broadcasters. At the start of a two-day conference on the future of radio, the minister said that in the past governments had too easily abused their links with broadcasters. An independent body such as the Independent Broadcasting Authority should regulate the industry. He added that the government would want to monitor and restrict any possible cross ownership of the media, but that the government will ensure that the airwaves were free. (BBCMS Summary of World Broadcasts No. 22 June 3rd)

SUDAN—Radio Omdurman has dropped use of 9165, and has apparently replaced it with 9730. The station announced the following schedule on June 12th: 7200 0300-0830 1900-2300 9730 0300-0600 1200-1900 2100-2300. (HJ June 12th)

TAIWAN—*Voice of Free China* will discontinue Korean at the end of June due to budget cuts. (Toru Yamashita, Takashi Kitami, the Asian Broadcasting Institute)

TANZANIA—A five-man South African team of radio and telecommunications experts arrived in Dar es Salaam on May 28th to carry out a feasibility study on repairs and installation of new equipment for *Radio Tanzania*, Dar es Salaam, with the aim of strengthening its broadcasts. The experts said that during their stay in the country they would visit *Radio Tanzania* and its centres in Arusha, Mwanza and Mbeya to establish what was needed. The delegation leader said a report on their findings would be presented to the government within a month. A South African company is expected to undertake repairs and the installation of new equipment in collaboration with the *South African Broadcasting Corporation* and Sentech [SABC's signal distribution company] and studio technology. He also said that after the repairs and installation of new equipment, his company hoped to provide technical knowledge and training to newsmen, technicians and *Radio Tanzania* announcers. The delegation would be in the country for two weeks during which time it would receive recommendations from the management of *Radio Tanzania* on ways of improving its broadcasts. (BBCMS Summary of World Broadcasts No. 22 June 3rd) Now signs on 5050 at 0330 rather than 0300. (Korinek Numero Uno No. 1275 June 10th)

THAILAND—*Radio Thailand* Follow up to HJ's mistake in the June LN. While the site was inaugurated on the 4th of June, *Radio Thailand* will not be broadcasting from the site just yet. (Dan Ferguson May 29th) Here is what has happened per Tetusuya Kondo of the ABI: *Radio Thailand* had planned to start transmissions from the VOA Udon Thani Transmitting Station on June 4, 1994. However, this has been postponed due as the satellite link from studio to the transmitting site is still not installed. Ms Amporn, the chief of the external service estimates the start in July. Despite failing to complete the technical preparations for the powerful transmissions from Udon Thani, *Radio Thailand* has drastically changed their external service schedule as of June 4th. The broadcast hours

has been increased from 13.5 hours to 20 hours per day and the total number of language has been 12 including the establishment of German and Indonesian language program.

Radio Thailand broadcasts in two blocks; from 1700-0600 for the Middle East, Europe, Africa and USA and 1000-1700 for Asia. The first block was newly established on the premise of the use of VOA Udon Thani site. The programs are mainly in English and Thai, which are for Thai workers and Thai residents abroad. The first block would be broadcast from Udon Thani and the second part from their own facilities of *Radio Thailand*. Due to the delay of satellite link preparation, they decided that all the transmission would be aired from the station's existing facilities as a temporary step. The following is the new broadcasting schedule.

1700-1800	Thai	UAE
1800-1900	Thai	Saudi Arabia
1900-2000	English	Scandinavia
2000-2030	German	Germany
2030-2100	French	France
2100-2200	English	UK
2200-2300	English	Central Africa
2300-2400	Thai	Western Africa
0000-0100	English	South Africa
0100-0200	English/ Thai	USA East coast and Canada
0200-0300	English/ Thai	USA Central
0300-0600	English/ Thai	USA West coast and Canada
1000-1030	Japanese	Japan
1030-1100	Chinese	Hong Kong, Taiwan and China
1100-1130	Vietnamese	Vietnam
1130-1330	English	Southeast Asia and South Asia
1330-1400	Khmer	Cambodia
1400-1430	Lao	Laos
1430-1500	Burmese	Myanmar
1500-1530	Malay	Malaysia
1530-1600	Indonesian	Indonesia
1600-1700	Thai	South Asia, Southeast Asia and Middle East

Frequencies are 4830, 9655 and 11905 for all the transmissions.

Once the link is installed, they will switch their transmission to Udon Thani for the 1700-0600 programming. They might use any of the following 35 frequencies: 6020, 6045, 6185, 7140, 7205, 7215, 7225, 7235, 7245, 7255, 7285, 7290, 9510, 9530, 9535, 9540, 9555, 9615, 9635, 9640, 9645, 9685, 9690, 9705, 11725, 11735, 11755, 11780, 11805, 11820, 11885, 11920, 15265, 15430, 15445. All the power output is 500 kW. Designated in accordance with time, target area and propagation in the season. Some transmitters can be beamed back to the US for the first time in VOA's history. VOA Udon Thani Transmitting Station, which is located in Ban Nong Hai Sub-District, Ban Dung District, Udon Thani Province, will be jointly used by VOA and *Radio Thailand*. The site of 2.5 square km, about 1300 acres has been selected to house seven 500 kW transmitters, designed to allow easy expansion to 11 transmitters. The station includes 25 curtain antennas, highly directional, high gain and electronically slewable. VOA Udon Thani station has celebrated the official opening on June 4 with the attendance of Prime Minister Chuan Leekpai and H. E. David F. Lambertson, US Ambassador to Thailand. This information is provided by Ms. Amporn, chief of *Radio Thailand's* external service.

TUNISIA—*Radio Tunisia* 7280 New frequency, noted here in Arabic at 2320, parallel 7475. Nothing noted on listed 11550, 9675. (HJ June 5th)

TURKMENISTAN—*Radio Mayak* 4825 is now carried here while the 1st Turkmen Program is carried on 4930 and 5015. (Timofeyev Shortwave News June)

UKRAINE—*Radio Ukraine* According to Ukrainian sources, in May, the transmitters utilized by *Radio Ukraine* in the Russian Far East were put out of operation for repairs and, for that reason, they will not function for approximately four or five months. This comes in the wake of a two month shutdown of Far East transmitters earlier this year due to non-payment of fees. (BBCMS Summary of World Broadcasts No. 23 June 10th)

UNITED KINGDOM—*BBC* Follow up to June LN: The *BBC* policy of not QSLing from Bush House is nothing new. While Bush House does not verify due to the huge amount

of reports received, I have received a number of *BBC* QSLs by sending reports directly to the sites. Addresses for *BBC* transmitter sites that are known to verify can be found in PWBR and the WRTH. Also, if one wants a *BBC* QSL just for the sake of verifying England, there are other ways to do it. *Radio Japan* via Skelton verified for me and I am sure the *VOA* would respond to reports of transmissions via Woofferton. Anyway, the word is not to despair; just because Bush House hasn't sent out QSLs for a long time is no reason to assume that one cannot get *BBC* QSLs, nor is it a reason to assume that one cannot get a QSL for England. While I certainly agree that one shouldn't send reports to Bush House, try the sites themselves and you may get results. (Marie Lamb June 7th)

UNITED STATES—*AWR* plans to expand in Europe and Africa and not with a station in Hawaii as reported elsewhere. The report was also wrong in stating that *AWR* would be using 500 kW transmitters as they find 100 and 250 kW much more efficient. *AWR* transmissions in Korean from Russia and Guam are being jammed as are *VOA* and *KWHR* transmissions in this language. (Radio News Bulletin June 6th)

KJES uses a 50 kW Costa Rican-made *Elcor* transmitter with a Japanese-made *Create Design* brand antenna. (Campbell Shortwave News June)

WRMI we're currently on 0100-0400 UTC Tues-Sun on 9955 (first half-hour in English; the rest in Spanish). I hope we can expand the transmissions within the next few weeks to begin a few hours earlier, and also to broadcast on Sundays. We've had lots of reports from throughout North America (as far as California), although we're beaming south. In our English program, "Viva Miami!", I'm planning to include some items of DX news frequently, although not on any particular day. (Jeff White June 20th)

Around the world with Marcel Roberts is the title of a six-week series of reports to be aired beginning UTC Wednesday, June 29 during the *Viva Miami!* program from 0100-0130. The series of telephone interviews follows Dutch DXer Marcel Rommerts on a trip around the world, stopping off in Japan, Fiji, Tonga, New Zealand, Tahiti and Los Angeles.

It focuses on Marcel's impressions of each country from the viewpoint of a Dutch tourist, and includes traditional music from each location. The series will air each UTC Wednesday during *Viva Miami!* for six weeks. Each edition will be repeated the following Tuesday at 2000-2100 on *Radio Copan International* (15675). (Jeff White June 22nd)

WSHB The construction of the new antenna for Africa And Europe is well underway. We have poured all tower bases, and all but three anchor points. These will be poured next week—they are in a low area, and we've had a great deal of rain last week. All of the steel is on site, and assembled into 20-foot sections. These should start going up today. We expect to receive the actual antenna element parts from the factory early next month. All said, we are still on schedule with our construction plans here. There is nothing new to report on the sale of WCSN to Prophecy Countdown of Florida at this time. (C. Ed Evans June 20th)

VATICAN—*Vatican Radio* observed on 5885, rather than usual 5882, carrying late-evening Italian service to Europe 2110-2130, 28/5. I understand that there have been some changes with transmission facilities at *Vatican Radio*, and this frequency adjustment may be one of them. (Grumento Dx News No. 1 May 28th) *Vatican Radio* has a program called *Papal Audience* on Wednesdays from 0900-1015 on 6245. They also have Mass in English the first and third Sundays of the month from 1600-1630 on 15585 and 12050. (BBCMS World Broadcasts Schedules No. 18 May 6th)

VIETNAM—*Radio TV Kontum Broadcasting Station* 5076.1 heard here until

1155 sign off with good modulation. (? Shortwave News June)

Radio Lao Cai 5597 Heard until 1500 relaying Hanoi. (Timofeyev Shortwave News June)

YEMEN—Aden was untraced here from June 7-17th. There were heard on the 18th on 7190. (HJ June 19th) *Radio Aden* has reverted to its pre-union id: This is Aden, the Democratic Republic of Yemen Radio (Hadhihi Adan, ida'at Jumhuriyat al-Yaman al-Dimuqratiyah-Arabic). Since the union of the two Yemens in 1990, it had been announcing as Yemeni Republic Radio. The signature tune for the 1500 news bulletin was the tune used by PDRY Radio in Aden before the union. The radio station in Sana'a continued to identify itself as *Yemeni Republic Radio*. (BBCMS Summary of World Broadcasts No. 21 May 27th) Sana'a continues to be heard at 0300 and around 2045 on 9780v and 9069v. The announced frequency of 5950 is untraced. (HJ June 15th)

DX PUBLICATIONS—*Clandestine Stations List* is edited by Finn Krone of the DSWCI. Modestly labeled a list, Finn has created the single best reference of clandestine stations. Using extensive sources, stations are not only listed in frequency and time order, but are also listed by country. There you'll find not only a brief history of the particular conflict or struggle, but a history and tuning data on the stations involved. This is a real bargain at only 8 IRCs. Write to Danish Shortwave Clubs International, Tavleager 31, DK-2670 Greve, Denmark. (HJ June 6th)

FOR SALE: Grundig Satellit 500 with box, adaptor, video, and paperwork for \$275.00. Excellent condition. Shipping extra. Sony ICF-6500 multiband portable with adaptor, original box, and manual. \$70.00 plus shipping. Luther Hall, 6160 Hazelwood Avenue, Indianapolis, IN 46208. Phone (317) 253-5686 after 6 pm CST.

WANTED TO BUY: I would like to buy a Sony SW1S or Phillips AE-3905 sub-compact receiver with or without accessories and in good condition. Dave McLaren, P.O. Box 665, Sheffield, IL 61361. Phone (815) 454-2204 and leave message. Thanks.

NOTICE PLEASE

The Journal is a little "light" this month because of a missing column and a drop in contributions in others. The summer doldrums came early this year.

QSL Reports

Sam Barlo
47 Prospect Place
Bristol, CT 06010



No. 3/1/94-E.III
मासिक : पत्र 1, परिवर्ती पर्यवेष्ट, वर (महत्त्व 100
रती वंश.)

Sanchi : Sange 1, western gate, colaba
Dr. 1st street 47.
**Directorate General of Post & Tele
'ALL INDIA RAD' (1954)
AKASHVANI BHAWAN,
PARLIAMENT STREET,
NEW DELHI-110001 INDIA**

Dated the 21.3.94
Dear Sir/Madam,
We gratefully acknowledge your Reception Report and confirm your listening to our transmission on 4760...kHz on 18.1.94 at 1218...UTC
आपकी कृपया लिखित रिपोर्ट का स्वागत है।
महोदय, मैं आपकी कृपया लिखित रिपोर्ट का स्वागत है।
महोदय, मैं आपकी कृपया लिखित रिपोर्ट का स्वागत है।
महोदय, मैं आपकी कृपया लिखित रिपोर्ट का स्वागत है।



To,
Mr. Richard A D'Angelo
2216 Burkey Drive
Wyoanissing, PA 19610
U.S.A.

ALASKA: KNLS 7365 f/d cd. w/ ltr. in 5 wks. for 1 IRC. v/s Mike Osborne. (Anderson-MI).
ALBANIA: Radio Tirana 9580 n/d cd. in 73 ds. (Dukes-SC).
ALGERIA: Voice of the Palestine Revolution via RTVA 11715 and 15205.1 via Bouchaoui and Ouled Fayet 9685 and 9510 p/d "Logo" cd. in 3 mo. for a FR rpt. to RTVA. (Barto-CT).
ANDAMAN ISLANDS: AIR Port Blair 4760 f/d "Sanchi" cd. in 3 mo. for ms(not used). Rpt. was sent to Port Blair but reply came from Delhi. (Palmerheim).
ARGENTINA: Radio Argentina Al Exterior 11710 f/d cd. w/ sched-

ule in 142 ds. for an EG rpt. and 2 ms. (Dukes-SC). (Klinck-NY).
ARMENIA: Radio Yerevan 4810 f/d cd. in 213 ds. for a taped rpt. and 1 IRC.
ASCENSION ISLAND: BBC 11750 f/d form ltr. via Miami in 252 ds. (Lane). 11750 15269 and 15400 same in 295 ds. (Lane).
ASIATIC RUSSIA: Voice of America 7300 via Petropavlovsk f/d cd. in 115 ds. * for ms. v/s John Vodenik. (Buer-FL)...Who would of believed it 5 years ago?
AUSTRALIA: Radio Australia VJL 11720 via Brandon f/d ltr. w/ n/d cd. in 56 ds. (Buer). 13755 via Carnarvon f/d ltr. w/ schedules in 47 ds. (Humeny-ONT). 5995 same w/ schedule in 25 ds. for 1 IRC. (Yam-ada-NM).
AUSTRIA: Radio Austria International 9655 f/d cd. in 2 wks. for ms. (Pappas-SD). 6155 f/d cd. in 35 ds. (Placanira-IT). f/d cd. w/ schedule in 30 ds. (Placanica-IT).
BELGIUM: Radio Vlaanderen International 5900 p/d cd. w/ schedule in 38 ds. (Lane). 17555 f/d cd. in 56 ds. on my 4th try! (Dukes-SC)...Surprised!!

BOLIVIA: Radio San Luis de Fuentes 6140 * prepared cd. w/ handwritten religious message in 3 wks. after a f/up rp for an 87 reception. v/s Janet Melogno, Secretaria de la Radio. (Lazarus) Glad to have you back Henry!...Sam.
BONAIRE: Radio Nederlands 21515 f/d cd. in 1 mo. (Barto-CT).
BRAZIL: Radio Novas de Paz 9515 prepared cd. in 1 yr. after a f/up rpt. in PT w/ \$1.00. (Wilkins-CO). **Radio Cao Nova 9675 f/d cd.** w/ ltr. in 2 mo. for a PT rpt. This was after a f/up rpt. v/s Benedita Luzia Rodrigues. (Paszkievicz). **Radio Brasil Central 4985 p/d ltr.** w/ stickers in 673 ds. for a PT rpt. and \$1.00. v/s Ney Raymundo Fernandes, Coord. Executiva. (Durdan-GA). **Radio Rural de Santarem 4765 p/d personal ltr.** in 48 ds. for a PT rpt. and \$1.00. v/s Joao Elias B. Bentes, Gerente Geral. Sticker was rcvd. (Durdan-GA).

CANADA: Radio Canada International 5960 f/d cd. w/ pennant and schedule in 17 ds. (Dukes-SC).

30 ANIVERSARIO 30

"UN MENSAJE DE AMISTAD EN LOS ANDES DEL PERU"

RADIO LA OROYA

1961

LA OROYA, CAPITAL METALURGICA DEL PERU Y BUDAMERICA.

QSL VERIFICATION

RADIO STATION Voice of Broad Masses of Eritrea
TRANSMITTING FROM: ASMARA-ERITREA

Dear Mr. HANSEL C. MC GARDY

We confirm with pleasure your reception report which conforms to the programs we broadcast. THANK YOU.

FREQUENCY: 7020 KHZ

Date 27th Jan. 1994 Time 01:32:04

LANGUAGE FR. ROMANA

Signature



IRCS, ms. and SASE's. v/s John Phillip, 539CR, Acting Senior Engineer. (Robertson-MS)..Great persistence...Sam.

GUAM: KTWR 9870 f/d "Cocos Island" cd. w/ schedule and a personal ltr. in 28 ds. (Yamada-NM). AWR-ASIA 11980 f/d "70th Anniversary" cd. w/ schedule and a personal ltr. in 20 ds. (Yamada-NM). KSDA 7455 f/d cd. in 40 ds. (Plancanica-IT).

GUATEMALA: Radio Tezulutlan 3370 on the 5th try. (Durden-GA). TCNA

f/d cd. w/ info. sheet in 783 ds. on the 5th try. (Durden-GA). TCNA 3300 f/d "Logo" cd. in 22 ds. for \$1.00. w/ pennant and schedule. Ltr. was also rcvd. (Millard-TX).

HAWAII: KWHR 13625 f/d cd. in 2 mo. (Barto-CT). 9930 f/d cd. in 78 ds. for \$1.00. (Palmerheim-WA). f/d cd. w/ schedule in 1 mo. for \$1.00. (Anderson-MI). Ed Rausch rpts the ZIP for KWHR is 96772. WVH 5000 f/d cd. w/ ltr. in 28 ds. v/s Dean Okayama, Engineer-in-Charge. (D'Angelo-PA).

HOLLAND: Radio Nederland 6020, 6165 and 9860 f/d cd. w/ book list and a

NOTES: Tom Robertson was very pleased with his recent QSL from Radio Free Grenada. This was after 13 years and a letter to the Grenadan Ambassador. Good going!...Sam. Mike Hardester says thanks to all who answered his reply concerning the whereabouts of Herr Manfred Beyen. He has been located in Germany and his Radio Bangladesh QSL is on its way. Steve Martin sent in some interesting quips regarding is it Fernando Poo or Rio Muni. I guess its from where the transmitter site is located be it Malabo or Bata - and I'm getting it both ways at this end...Sam. Hi!

rcvr. review in 30 ds. for 1 IRC. (Lane). cd. in 1 mo. (Plancanira).

HONDURAS: Radio International 4930 p/d ltr. w/ stickers and postcard in 28 ds. for a SP rpt. and \$1.00. v/s Victor Antonio (Tito) Handal, Gerente Proprietario. (Paszkievicz). 2 page form ltr. w/ bank note in 5 wks. for a taped rpt. Addr: Ap. 1473, San Pedro Sula. (Lobdell). 4930.6 f/d prepared cd. in 1 mo. for a SP rpt. and ms. (Rausch-NJ). Radio Copan International 15675 f/d cd. in 75 ds. w/ info. sheet. (MacHarg). HRXK La Voz de la Mosquitia 4910 n/d ltr. w/ prepared cd. in 4 ds. for ms. Paper pennant was rcvd. v/s Dr. Sammy Simpson, Executive Director. I used the Tupelo, MS addr. (Robertson-MS).

HONG KONG: BBC 9580 f/d cd. in 19 ds. (Humenyk-ONT).

INDIA: All India Radio 7412 f/d cd. in 60 ds. (Plancanica-IT). f/d cd. in 90 ds. (Plancanica). 11620 f/d "Temple" cd. in 4 mo. for 2 IRCs. (Pappas-SD). 4790.5 via Shillong same cd. w/ schedule in 5 wks. (Barto-CT). * 3375 via Guvahati f/d "Jami-Masjid" cd. in 137 ds. for ms. (not used) This was after 3 f/up rpts. (Palmerheim-WA).

IRAQ: Radio Iraq International 13680 f/d cd. in 2 mo. for \$1.00. v/s M.F. Rashid, Technical Director. (Robertson-MS).

ITALY: RAI 9725 and 11800 f/d cd. in 151 ds. (Lane). AWR Fori 7230 cd. in 20 ds. (Plancanira).

JAPAN: Radio Tampa NSB 6055 f/d "40th Anniversary" cd. w/ sticker and schedule w/ personal ltr. in 32 ds. for 1 IRC. (Yamada-NM).

KASHMIR (India): AIR

Srinagar 3277 f/d cd. in 6 wks w/ schedule and rpt. forms. (Barto-CT).

KOREA, PEOPLES DEM. REP: Radio Pyon-gyang 11335 and 13760 f/d cd. w/ pennant and form ltr. in 49 ds. (Lane).

QSL

JERRY KLINCK

Nous avons l'honneur de vous confirmer votre réception

du 11.11.1993

de 2224 à 2301 G.M.T.

sur la fréquence de 9575 KHz de notre

émetteur d'une puissance de 250 KW

situé à Nador (MAROC)



إمارة البصر المتوسطية
BOU MENTERRAJE INTERNATIONALE
Sea-Technique

R.M.I. s.a. au capital de 18.000.000 dh. - 3, Rue Elmehlab-Tanger (Maroc) Tél. (5) 93.83.83 / 63.87.85 - Telex

WRV RADIO VIRUS

The Station Nobody Wants To Catch

TO: Chris Lobdell
DATE: 4/9/1994
FREQ: 00:08 TO 00:32
7465 kHz AM

a SP rpt. on an 87 reception. v/s Misael Alcantara Guevara, Gerente.(Lazarus-LA).

* Radio La Oroya 4905 incredible 4 page 1 ltr. in 22 ds. for a SP rpt. and \$1.00. Also rcvd. a nice "30th Anniversary" pennant. 440 watts. Mentioned several other NASWA DXers.(Durden-GA). Radio Onda Azul OBX7C 4799.7 p/d cd. in 41 ds. after

3 f/up rpts. for an 88 reception. Stickers were rcvd. v/s Mauricio Rodriguez R., Jefe de Produccion y Programacion.(Palmerheim-WA).
PHILIPPINES: VOA 9770 f/d cd. in 61 ds. w/ 2 stickers.(MacHarg).
ROMANIA: Radio Romania International 11830 f/d cd. w/ schedule in 133 ds.(Dukes-SC). 11810 cd. w/ schedule in 170 ds.(Plancanira).
RUSSIA: Radio Moscow 7165 f/d cd. in 37 ds.(Lane).

VERIFICATION SIGNERS: Radio Pakistan 21520 Syed Abrar Hussain, Chief. Radio Daru 3305 G. Gedabing, Provincial Station Manager. Radio Naylamp 4300 Juan Jose Grandez Vargas, Director General. Radio Rwanda 15340 Marcel Singirankaro....forget this one! via PLAY DX.....Sam.

RWANDA: Deutsche Welle 17860 no QSL but they did send a magazine and sticker in 75 ds.(MacHarg).
SAINT HELENA: ZHH Radio Saint Helena 11092.5 f/d cd. in 208 ds. for \$1.00 (Dukes-SC). same in 7 mo. for \$1.00.(Millard-TX).
SARAWAK: Radio TV Malaysia Kuching 7130 f/d cd. in 1 mo. for \$1.00. v/s Joheri Sedi.(Robertson-MS).
SICILY: RAI Caltanissetta 9515 p/d cd. in 2 mo. for \$1.00.(Robertson-MS).
SINGAPORE: Radio Singapore International 9530 f/d "Skyline" cd. in 4 mo. for 2 IRCs.(Rausch-NJ). same in 1 mo.(Barto-CT). f/d cd. in 43 ds. for \$1.00.(Paszkiwicz). in 103 ds. for \$1.00.(D'Angelo-PA). Radio Japan 11860 f/d "Wooden Doll" cd. in 40 ds. w/ schedule.(MacHarg). Radio One 6155 n/d form ltr. in 37 ds. for \$1.00(returned). Very large sticker was rcvd. v/s Julene Lim, St. Co-ordinator.(Palmerheim-WA). BBC 15360 f/d "Transmitter Site" cd. in 41 ds.(MacHarg). same in 62 ds.(Humenyk).
SLOVAKIA: AMR Europe 11610 via Rimavska Sobota f/d cd. w/ schedule and ltr. in 100 ds.(Humenyk-ONT). Slovak Radio 5930 f/d "Radio Bratislava Bldg." cd. in 16 ds. for 2 IRCs.(Mayer-PA). same in 26 ds.(Dukes-SC). f/d cd. in 20 ds. for \$1.00.(Kremer-IN). 5815 f/d cd. in 1 mo.(Plancanira-IT).
SULAWESI: RPDT2 Poso 3580.2 p/d ltr. in 21 ds. for an IN rpt. and \$1.00. * v/s Joseph Tinagari, Kepala.(Wilkins-CO).
SURINAME: Radio Apintie 4990 f/d ltr. in 115 ds. for a taped rpt. and \$1.00. v/s Ch. E. Vervuert, Director.(Washburn-ME).
SWAZILAND: TWR 6040 f/d cd. w/ schedule in 25 ds. for 1 IRC.(Yamada-NM).
SWEDEN: Radio Sweden 15240 f/d "Stockholm" cd. w/ schedule and stickers in 13 ds. for 1 IRC.(Yamada-NM). 6065 f/d cd. in 36 ds.(Plancanira-IT). 6195 and 9850 f/d cd. in 18 ds.(Lane).

TAIWAN: Voice of Free China 9850 f/d cd. w/ schedule and sticker in 39 ds. for 1 IRC.(Lane). in 40 ds.(Plancanira-IT). 5950 cd. w/ sticker in 19 ds.(Levison-PA). 11915 f/d cd. in 20 ds. w/ schedule and sticker.(Mulrean). 11745 f/d "Young Pup-peters" cd. w/ goodies in 36 ds. Also rcvd. personal ltr. IRCs are not available in Taiwan.(Yamada-NM). BCC Taipei 5850 photo cd. of the 3 YLs in the SP section in 1 mo.(Plancanira-IT).



879 Kha Onda Media
8216 Kha Onda Cruz
821 Min Proveedor Matilde

RADIO SANTA CRUZ

EMISORA DEL INSTITUTO RADIOFONICO PE Y ALEGRIA

Santa Cruz, 11 de Abril de 1994

Señor
Boas Comeau
16 Linwood Street
Andover, MA. 01810
U.S.A.

Apreciado amigo:

Recibe sinceros saludos de parte de los trabajadores de Radio Santa Cruz. Nos llena de alegría saber que tenemos un amigo más en ese hermoso país. Recibí su carta de fecha marzo 23, en la que nos adjunta una fotocopia de otra que nos envió en diciembre del año pasado, la misma que lamentablemente no recibimos.

Pero ahora con gusto le comunico que la programación escuchada por Ud. el día 13 de Noviembre de 1993 desde hrs. 19:08 a 19:30 a.m., es correcta.

Tenemos el gusto de enviarle unas pegatinas y el tríptico de la emisora para que conozca algo más de Radio Santa Cruz.

Reiterándole nuestra amistad y en espera de que nos siga sintonizando, me despido de Ud. con la esperanza de que visite de su Casa Radio.

Cordialmente,

Victor Slezot S.I.
Dir. Gen. IAPACRUZ

Vérification de réception

STATION: Radio Moundou

LOCATION: B.P. 122, Moundou, TCHAD

Nous avons le plaisir de confirmer votre rapport
d'écoute du 7 Avril, 1994 de 05:08 à
05:39 h [UTC] sur la fréquence de 5,286.2 kHz.

Sincères remerciements, via Klinck



[Station seal]

TANGIER: VOA 15245

cd. in 60 ds.
(Plancanira).

TCHAD: Radio Moundou

5286.2 f/d prepared cd. w/ personal ltr. in 37 ds. for a FR rpt. and a tape. w/ \$1.00. (Klinck-NY).

THAILAND: Radio

Thailand 9655 cd. w/ sked. in 200 ds. (Plancanira-IT).

TOGO: Radio TV

Toqolaïse 5047 f/d cd.

in 4 mo. for an EG rpt. and \$1.00. (Millard-TX).

TURKEY: Voice of Turkey 9445 f/d "Pottery" cd. w/ schedule and sticker in 71 ds. (MacHarg). ltr. in 20 ds. (Thompson-NY). 11710 f/d cd. w/ sticker in 20 ds. (Mulrean).

UKRAINE: Radio Moscow 15380 via Simferopol f/d "Arbat Square" cd. w/ sked. in 63 ds. (Mayer-PA). f/d cd. in 1½ mo. (Barto-CT). 17780 via **Lvov f/d** in 1½ mo. (Barto). 7165 via **Kiev f/d** cd. w/ schedule in 58 ds. (Dukes) **Radio Ukraine International 9860 f/d** cd. in 100 ds. (Dukes). 7240 f/d cd w/ calendar and postcards in 6 wks. (Barto-CT). 7195 f/d cd. in 85 ds.

for \$1.00. (Lane). 10344 f/d "Children w/ Pony" cd. in 7 wk (Barto-CT). 7195 f/d cd. in 75 ds. w/ schedule. (Humenyk).
USA: WJCR 13595 f/d cd. in 1 mo. for ms. (Lazarus-LA). 7490 f/d cd. w/ ltr. and a prayer tape in 59 ds. for ms. (Klinck). **WVCR 15685 f/d** cd. w/ brochure and ltr. in 70 ds. for SASE.



Radio-Canada International

(Klinck-NY). **WCSN 9840 f/d "Nighttime Antenna"** cd. in 9 ds. for a f/up rpt. and \$1.00. v/s Frank L. Haskins, Jr. (Newhall-CT). 13770 same in 89 ds. v/s Juan Carpin, Staff. (Humenyk-ONT). **WEWN 9350 f/d "Angel"** cd. in 25 ds. for SASE. (Shepard-CT). 7425 f/d cd. in 1 mo. for ms. (Lazarus-LA). 13740 cd. in 54 ds. w/ sked. and sticker. (MacHarg). 7425 and 13740 f/d cd. w/ personal ltr. in 87 ds v/s Charlie J. Sinkock. (Humenyk-ONT). **KTBN 15590 f/d** cd. w/ ltr. in 29 ds. for ms. (Klinck). f/d cd. in 2 wks. for ms. (Lazarus-LA). **KJES 15385 f/d** cd. in 2 wks. for ms. (Lazarus). **WRNO 15420 f/d** cd. w/ sticker and schedule in 41 ds. (Mulrean). same in 26 ds. (Thompson-NY). in 3 mo. w/ schedule. (Thompson-NY). **KVOH 17775 f/d** cd. w/ booklet in 58 ds. for a taped rpt. and ms. (Klinck). **WHRI 13760 f/d** cd. in 150 ds. v/s Loren Holycross, Engineering. (Humenyk). 7315 cd.



VERIFICATION CERTIFICATE

Radio station: RADIO DNIESTER INTERNATIONAL;
 Transmitting from: Grigoriopol transmitters, Moldavian Republic of
 PRIDNESTROVIE;
 Power: 250 Kwatts;
 Frequency: 999 khz. 9620 khz;
 Time, date: 7/23 5/0n to 2/1 sy s/off hrs. UTC. 6 6.3 1994;

USA: Radio 16 Des-
ann 7355 via
WRNO f/d cd. in
 5 wks. (Barto-CT).
 17830 via **WHRI**
 f/d cd. in 19 ds.
 for ms. v/s Jeff
 White. (Wilkins-
 CO).

USA (Pirates): WPIC
 7415 f/d sheet
 in 18 ds. (Step-
 hens-AL). **Radio**

We confirm with pleasure your listening
 report. THANK YOU!

A. Lamar *[Signature]*
 / CHIEF EDITOR /



Free Euphoria 7475 f/d "Centerfold" sheet in 2 wks. (Trummel)
 f/d "Official Marijuana Budman" sheet in 6 ds. for a rpt. on

the ANARC BBS. This station sent me the QSL before I had a chance to
 mail the reception report!!! (Stephens-AL)... Neat, weird stuff. **Radio**
Garbanzo 7420 f/d "Know Your Beans" sheet in 18 ds. (Stephens). **Radio**
Gumby International 7464 f/d "Pool" sheet in 35 ds. (Stephens). **Radio**
Doomsday 7469 large f/d "Globe/Skull" cd. w/ personal ltr. in 39 ds.
 (Stephens). 7385 f/d "Upside Down Fly on Barbed Wire" cd. w/ station
 name in RS in 3 wks. (Lobdell). **Hit Parade Radio** 7413 f/d sheet in 25
 ds. (Stephens). **Kranker Radio International** n/d sheet in 1 mo. (Trummel)
Christian Rock Radio p/d sheet for a relay via **Action Radio** in 2 wks.
 (Trummel). **Ground Level Network** 7465 f/d cd. w/ personal ltr. in 21 ds.
 (Stephens-AL). **KMCR** 7465 f/d cd. in 1 mo. via BRS. 25 watts. (Trummel).
Jolly Roger International p/d ltr. w/ full color "Logo" photo (awesome)
 in 3 mo. (Trummel). **Voice of the Runaway Maharishi** 7415 f/d sheet in 26
 ds. v/s Maharishi Hashishi Ali Ganja (creative) (Stephens). **Happy Hann-**
ukah Radio 6295 f/d sheet in 112 ds. (Stephens). **Bob Dylan Radio** 7467
 "Young Bob Dylan Photo" cd. in 2 mo. for a rpt. to ACE. (Stephens).
Radio Azteca 7470 f/d cd. w/ official frog seal and pennant in 15 ds.
 (Stephens-AL). **North Jersey Coast Radio** 7412.3 f/d large pink "Map of
 NJ" cd. w/ postcard and business cd. in 38 ds. v/s Bruce Devito. (Step-
 hens). **Radio Stella International** 7413 via **NAPRS** f/d cd. for this Scot-
 tish based pirate in 5 wks. Photos were rcvd. (Barto-CT). **Radio Free**
Salvation 7470 f/d sheet in 9 ds. (Stephens). **WLIS** 7413 f/d sheet via a
 listing in the Pirate Pages. (Kusalik-ALB). **WSM Grand Ole Opry Radio**
Network 7413 f/d personal ltr. in 9 ds. (Stephens). f/d ltr. in 109 ds.
 100 watts. (Kusalik). **WREC** 7415 f/d sheet in 1 mo. via Stoneham. (Trummel).
 7465 f/d cd. in 1 mo. (Trummel). **Radio Free East Coast** 7466 f/d cd.
 in 29 ds. (Stephens). **Radio Titanic International** 7408 and 7410 via **NA-**
PRS f/d cds. w/ stickers and station booklet in 1 1/2 mo. for \$1.00. (Trum-
 mel). 7412 cd. w/ stickers in 51 ds. for a rpt. to ACE. (Stephens-AL).
Laser Hot Hits 7415 f/d orange cd. w/ info. sheet in 6 wks. This was
 relayed via **WREC**. Use Box 293, Merlin, ONT. NOP1W0. (Lobdell-MA). **KNBS**
 13900 f/d green "Leaf" cd. w/ logo sheet and pennant in 49 ds. (Step-
 hens). **Wire Line Radio** 7425 f/d folder cd. in 6 mo. (Stephens). **WRFW**
Radio Free Wisconsin 7405 f/d sheet in 28 ds. v/s Dick Bender. (Step-
 hens)... That's gotta hurt! same in 1 mo. via BRS. (Trummel). **WBDD/WBBD/**
WBVD sheet in 4 mo. (Kusalik). **Black Liberation Radio** 7465 f/d form ltr
 via Wellsville in 3 wks. This is a Chicago FM pirate that was relayed
 via **Solid Rock Radio**. (Lobdell). **Solid Rock**
Radio 7465 f/d cd. in 3 wks. (Lobdell-MA).
 f/d "Cartoon" cd. in 22 ds. (Stephens-AL).
 7470 f/d sheet in 21 ds. (Kusalik-ALB).

Radio Airplane 7385 "Official Staff
 Photo" and a "Cat Fart" bumper
 sticker in 5 wks. for 3 ms. (Lob-
 dell).. Can I print that? 7465 f/d
 "FCC Fighter" cd. w/ info. sheet
 and a personal ltr. w/ stickers
 in 30 ds. (Stephens). **WRV Radio**
Virus 7465 f/d neon green "HIV
 Positive" cd. in 3 wks. (Lobdell).
UZBEK: Uzbek Radio 5995 via **Tash-**
kent f/d cd. in 1 mo. (Barto-CT).



-Q.S.L.
Radiodiffusion Télévision Tunisienne

Nous remercions et confirmons vos informations:

La date: 28 Mars, 1994
Le temps: 05:25-05:56 TUC
La fréquence: 7,475 kHz
EMETTEUR [kw]: 100

via Klinck

La Radio Tunisia Internationale vous remercie pour votre rapport d'écoute et espère que ses programmes vous satisfont.



salutations cordiales,

71, ave. de la Liberté, Tunis

pennant and stickers in 110 ds. (D'Angelo-PA).

WEST IRIAN: RRI Sorong 4875 p/d ltr. in 38 ds. after several f/up rpt. v/s Drs. Sallomo Hamid. (Paszkievicz).

NOTES: Bill Mayer has also returned to the hobby after several years absence. He obtained his M.A. in International Policy Studies in 1992. Sometime we all have to take a little break from our normal activities. Glad to have you back...Sam. **Jerry Klinck** days that his Radio Yerevan QSL arrived with the IRC used as postage. It was affixed to the front of the envelope! Thanks for the very kind words about the QSL Column. **Bill Wilkins** in Biloxi, MS was pleased with his one QSL this month considering it was one more than last month...Sam.

PLEASE NOTE: Your QSL Editor has just received a QSL from the French based **Radio Nostalgie**. They operated **Radio Neige** last season on 26070, 25900 and 25710 kHz with extremely low power. The station operated with a low of 3 watts on 26070 and 25900 from Alpes D'Huez and with 5 watts from Les Gets on 25700. The high power on 25700 and 25900 was 30 watts and emanated from Val D'Isere. The transmitter at Tignes utilized 30 watts for 26070. These transmitter sites and power output were obtained from the Radio Nostalgie network brochure. They verified with a form ltr. which makes me believe that many others who also reported to station will soon be receiving their QSLs. You may address your reports to Herve Pichat (F6GLS), Radio Nostalgie, 9/11, Rue Franquet, 75015 Paris, France. Good luck...Sam.

Guess we're all done with yet another QSL Column. Hope this is an informative part of the bulletin. Best of QSLing...

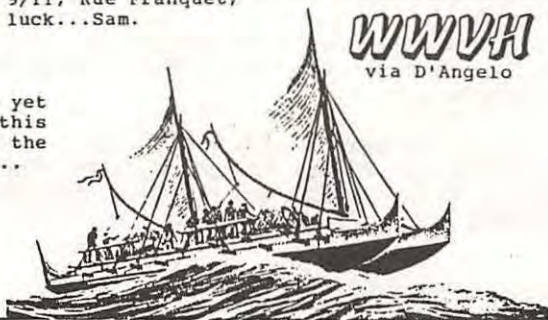
Sam

NOTES: Adie Durden says that he is now on his 14th report to Radio Andina. Maybe they will reply just to get you off their backs! Hi...Sam. **Henry Lazarus** is back in the hobby once again. Glad to have you with us and keep sending in those excellent reports...Sam. **Bob Mulrean** of 1369 East 65th Street, Brooklyn, NY 11234-5601 need help with station addresses. Any one got an extra WRTH?...Sam.

VATICAN: Radio Vatican f/d cd. in 15 ds. (Mulrean).

VENEZUELA: Ecos del Torbes 4980 f/d prepared cd. in 1 yr. for a SP rpt. and ms. v/s Ivan Escobar S. (Rausch-NJ). n/d cd. w/ f/d ltr. in 71 ds. for a SP rpt. and \$1.00. (Klinck-NY).

VIETNAM: Voice of Vietnam 15010 f/d "TNVN" cd. in 110 ds. (D'Angelo-PA). **Hanoi Home Service** 4895 f/d cd. in 110 ds. after a f/up rpt. (D'Angelo-PA). **Kontum Broadcasting Station** 5069.7 f/d cd. in 6 wks. (Barto-CT). **Bac Thai Broadcasting Station** 6628.7 f/d cd. in 6 wks. (Barto). **Gia Lai Broadcasting Station** 4788 f/d cd. w/



Contributors' Page

John Schmid
P.O. Box 86
Line Lexington, PA 18932

LOGGINGS CONTRIBUTORS - July 1994 - DEADLINE 10th of MONTH

The following members contributed loggings:

Brian ALEXANDER , Mechanicsburg , PA	NRD 535D Vs Longwires
Jerry BERG , Lexington , MA	R8 R390A HQ180A 150' LW
Steve BYAN , Littleton , MA	R71A NRD525 Beverages
George CLEMENT , Powder Springs, GA	DX440 MFJ1024
Russell CLEVELEY , Wilson , NY	Icom 725 R1000
Richard D'ANGELO , Wyomissing , PA	R8 FL3 AD Sloper Farley Loop
William DAVENPORT , Nashville , TN	DX380 ICF7601 AN1
Rufus JORDAN , Pittsburgh , PA	DX302 Transoceanic 33' LW
Marv KAMINSKY , Flanders, NY	NRD535D Random Wire
Ben KREPP , DX-pedition , MA	R71A NRD525 Beverages
Marie LAMB , Brewerton , NY	HF150 ATS803A DX375 MFJ10610 60M LW Indoor Dipole
Harold LEVISON , Philadelphia , PA	R8 R70 D2999 Indoor LW
William McGUIRE , Cheverly , MD	DX380
Sheryl PASZKIEWICZ , Manitowoc, WI	NRD515 NRD525 150' LW Eavesdropper
Martin PECK , Bronx , NY	NRD515 R71A FRG7
Salvatore PLACANICA , ITALY	Grundig 500 ICF7600D
Ed RAUSCH , Cedar Grove, NJ	R5000 Sony2010 MFJ959 Eavesdropper 150' LW
Giovanni SERRA , Rome , ITALY	NRD525 AD Sloper
Jack THOMPSON , New York , NY	Grundig YB400 ICF SW33
Robert TUCKER , Savannah , GA	ATS803A
Dan A. UNRUH , Ellensburg , WA	R71 Random Wire

Hello again. I guess my first attempt at doing this section was a rousing success! Bob Brown and Bill Oliver assured me that there were no membership cancellations, drive by shootings, or bomb threats attributed to my work. It doesn't get any better than that!

Included this month are logs from Ben Krepp and Steve Byan's DX-pedition at Steve's "antenna farm" in Littleton MA. They used an NRD525, an ICOM R71A and 3 controlled-termination Beverage antennas.

It's been hot and humid as can be here in SE Pennsylvania so far this late Spring and early Summer. Several days over 100 degrees already! UGH! Not conducive at all to indoor DXing. This kind of weather makes this past January's below 0 temperatures and ice storms look almost refreshing. See you next month.



Tropical Band Loggings

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220

WRMI is now running regular programming. English 0100-0130 on 9955. Program is called Viva Miami. GIOVANNI SERRA dedicates his loggings this month to the memory of VERN HYSON.

- 3235 NEW BRITAIN RWNB 0930-1015 vy good on fabulous PNG morning (Krepp/Byan-MA)
- 3245 NEW GUINEA R Gulf 0930-1015 noted w/hvy QRM (Krepp/Byan-MA)
- 3270 NAMIBIA NBC 0430 Western pops, no IDs but //3290, which had a bit more QRN (Krepp/Byan-MA)
- 3290 ECUADOR R Centro 5/28 0645 SP w/folk mx, LA pops, ID, canned promo, fair (Lamb-NY)
- 3335t TAIWAN CBS 5/11 1909 in poss Hakka tlks, ute QRM (Serra-ITALY)
- 3356 BOTSWANA RB to 0357 w/IS, NA, anmts, FC, choral song, Western pops (Krepp/Byan-MA) 5/23 *0251 in pres Setswana w/IS, NA, ID, nx, rock mx (Lamb-NY)
- 3366t GHANA GBC 5/16 0018 continuous mx, lang anmts, EG nx items fair (Levison-PA)
- 3375 NEW GUINEA R Western Highlands 0930-1015 noted on fabulous PNG morning (Krepp/Byan-MA)
- 4635t TAJIKISTAN Tajik R 5/17 1755 lang nx, better in USB (Serra)
- 4760 LIBERIA ELWA 5/19 2016 EG sermon, chant, cuckoo clock, Afr pop, ment Monrovia, poor (Serra-ITALY) 5/21 0612 EG African choral mx, pop Christian mx, rel tlk (Lamb-NY)
- 4765 BRAZIL R Rural 6/4 0030 canned ID/freq anmt, PT pops, good (Alexander-PA) tent 5/25 0244 romantic songs, tlk in low mod, canned tlk, prayer to 0358* (Serra-ITALY)
- 4765 CONGO RTV Congolaise 6/5 0500 FR/lang tlk, drums, Radio Congo IDs, all pop mx, good //vy weak 5985 (Alexander-PA)
- 4770 NIGERIA R Nigeria Kaduna 5/20 1920 lang/EG long tlk, ment Kaduna, IDs, TC, EG 1930 (Serra-ITALY)
- 4775 SWAZILAND TWR 5/28 to 0415* tlk in lang, IS (Paszkiewicz-WI)
- 4779.8 GUATEMALA R Buenas Nuevas 6/5 to 0331* tlk, ID, lcl folk mx weak (Alexander-PA)
- 4785.7 COLOMBIA Ecos del Combeima 5/12 to 0326 2 OM w/futbol match, jingle, Super Radio IDs, fair (D'Angelo-PA)
- 4790 PERU R Atlantida 5/7 0935 Peruvian mx, anmts, ID, poor level (Davenport-TN)
- 4800t LESOTHO RL Sesotho tlk, ute QRM so tuned to USB (Krepp/Byan-MA) time?
- 4805 BRAZIL Rdf Amazonas 5/7 0915-0930 pops, short anmts, echo ID tent, vy weak w/QRN (Davenport-TN)
- 4810 SOUTH AFRICA R 2000 5/9 0102 continuous mx, fair (Levison-PA) 5/12 0157-0230 continuous mx, Tony Bennett, jingle IDs, good (D'Angelo-PA)
- 4810 SOUTH AFRICA Afrikaans Stereo 5/4 0400-0410 mx w/lcl tlk but no ID (Davenport-TN)
- 4820 HONDURAS HRVC 5/4 1101 ID, vy weak audio (Davenport-TN) 5/25 0307-0330 sermon, mx bridge, addr, mx, hymn (Serra-ITALY)
- 4824.3 PERU LV de la Selva 6/4 to 0308* w/tlk, anmts, rap, pops, IDs s/off w/NA, fair (Alexander-PA)
- 4825 BRAZIL R Cancao Nova 5/1 0355-0420 vy long sermon, Braso mx prayer //9675 (Serra-ITALY)
- 4825t BRAZIL R Educadora 5/7 0950 tlk & nx, folk mx on weak carrier (Davenport-TN)
- 4825 GUATEMALA R Mam 5/7 1030-1045 tlks, ID, QTH, poor w/heavy static (Davenport-TN)
- 4830 BOTSWANA RB 5/4 0411-0420 tlk in lang, EG ID, nx abt South Africa, poor (Davenport-TN)
- 4835 GUATEMALA R Tezulutlan 5/30 1105 SP/lang "Nearer my God to

Thee," marimbas, ID, pres SP lesson w/sfx (Lamb-NY) 6/9 0130
 lang w/marimbas, tlks, ID 0145, fair (Jordan-PA)

4840 VENEZUELA R Valera 5/7 0930-0945 ads, promos, ballads, poor
 w/hvy QRN (Davenport-TN)

4845 GUATEMALA R Kekchi 6/5 to 0306* rel pgm, ranchera mx, 0253 ID
 poor w/co-channel QRM (Alexander-PA)

4845 MAURITANIA ORTM 5/7 0121-0130 AR/FR tlk, AR mx, irregular
 here of late (Davenport-TN) 5/20 1937 FR/poss AR, sports live
 Koran, tlk, FR ID, guitar IS, FR nx (Serra-ITALY)

4879.8 ECUADOR RN Espejo 5/17 to 0304* ID, anmts, song & off w/o NA
 (D'Angelo-PA)

4885 BRAZIL R Clube do Para 5/9 0423 US/IT oldies, canned IDs,
 Braz song (Serra-ITALY)

4890 GABON RFI Relay 5/4 0421 nx cmtry by YL, Afr pops, ID, poor
 (Davenport-TN) 5/9 0402 nx, IDs, fair (Serra-ITALY)

4890 PAPUA NBC Port Moresby 5/4 1044-1100 EG cmtry abt Port
 Moresby Chamber of Commerce (Davenport-TN)

4890 PERU R Chota 5/11 0246-0310 OA vcls, flutes, ID, TC, 0257
 anmts, vcls (D'Angelo-PA)

4904.5 CHAD RNT 5/4 0426 FR tlks, tent ID, vy weak (Davenport-TN)

4909.7t ZAMBIA ZNEC 0347-0400+ tlk in lang w/some mx (Krepp/Byan-MA)

4914.5 PERU R Cora 5/6 1000 ads, TC, ID, ballads, fair (Davenport-TN)

4915 GHANA GBC 5/6 2303 tlk in lang, tent ID, poor (Davenport-TN)
 6/9 to 0100* EG lcl instls, ID, Q'TH, choral vcl, poss anthem
 and off, fair (Jordan-PA)

4924.6 BOLIVIA R San Miguel 5/31 to 0303* tlk, two songs, long s/off
 routine, ID, anthem (D'Angelo-PA)

4930 DOMINICAN REPUBLIC R Barahona 5/4 0432-0445 ment Barahona &
 Dom Rep, wall to wall ballads, ad (Davenport-TN)

4930.6 HONDURAS R Internacional 5/9 to 0357* US oldies, ads, class
 mx, many IDs, FC, phone #, IS (Serra-ITALY) 5/29 to 0432*
 lively LA vcls, ID, lite mx (D'Angelo-PA)

4950 PERU R Madre de Dios 5/18 1035-1041 echo anmts, ment Peru &
 ID, Peruvian mx, vy poor but audible (Davenport-TN) 5/12 0017-
 0105 sermon, LA songs, IDs, ads, etc (Serra-ITALY)

4957.5 AZERBAIJAN R Baku 5/16 1850-1909 Azeri/EG tlks, organ IS, This
 is the Vo Azerbaijan, nx, Mozart Alla Turca (Serra-ITALY)

4974.9 BRAZIL R Timbira 6/1 to 0210 drama, ID, vcls, ads, ment
 Brazil (Paszkwicz-WI)

4975 PERU R del Pacifico 5/18 1005-1015 anmts, ads, promos, TC
 folk mx, poor & irreg (Davenport-TN)

4980 VENEZUELA Ecos del Torbes 5/7 0111-0125 LA mx, promos, ment
 Caracas, ad (Davenport-TN) 6/9 0230-0245 weak w/ballads, some
 pops, IDs (Jordan-PA)

4985 BRAZIL R Brasil Central 5/31 0330-0400 vcls, jingles, IDs
 sfx, ment Goiania (Paszkwicz-WI)

4991 PERU R Ancash 5/18 1020-1025 ad string, echo anmts, Andean
 mx, poor (Davenport-TN)

5010 ECUADOR Escuelas Radiofonicas Populares 5/7 1030-1103 morning
 pgm, poss nx, sports, poor w/xmtr hum (Davenport-TN)

5020 NIGER ORTN LV du Sahel 5/17 1740 FR/lang chants, tlk, fair-
 poor (Serra-ITALY)

5020 SOLOMON ISLANDS SIBC 1000 vy strong w/pgm abt Solomons
 football team, lots of QRM (Krepp/Byan-MA)

5025 CUBA R Rebelde 5/6 2350-0001 sports coverage, poor (Davenport)
 5/12 0001 live futbol, IS, promos, mx, ID (Serra-ITALY)

5040nf COLOMBIA LV de Yopal 5/20 0015-0030 anmts, ads, jingles, ID
 LA mx, finally good w/o distortion (Alexander-PA)

5047 TOGO RdF Togolaise 5/11 1932 FR regional nx, mx, ID during
 tlk, also 5/14 2307 w/pops, echo tlk, flutes (Serra-ITALY)

5050 TANZANIA RT 0339 rock mx, 0359 ID, TP, nx, piano mx, 0415 ID, FC, 0416 Vo Pan-Africanist Congress of Azania (Krepp/Byan) 5/14 *0327 tone, celeste IS, NA, EG anmts, US pop mx, weak (Alexander-PA) 5/30 0350 EG w/hilife mx, IS, TP, ID, nx 0400 0410 instl mx (D'Angelo-PA)

5050 UNID 5/14 0300-0327 SP stn w/LA mx, anmts, vy weak. Covered by Tanzania at 0327 w/tones (Alexander-PA)

5055 BRAZIL Rdf Caceres 5/11 2330-2355 mx, IDs, poor-fair (Serra)

5075 COLOMBIA Caracol 5/7 0100-0110 promos, ment Caracol, nx items media coverage of sports event (Davenport-TN) 5/9 0441 mx, nx BBC corres rpts //4865 (Serra-ITALY)

5286.2 CHAD R Moundou 5/22 0511 FR hilife mx, vcis, ment Moundou sev times, fair (D'Angelo-PA)

5900 ISRAEL Kol Israel 5/22 1850-1930 Home Svc in AR w/songs, phone tlk, TP, ID, nx (Serra-ITALY)

Well, not much in the way of loggings this time. I know, I know, you are trying to enjoy the nice weather now that it's finally here. I need to check the score in the Knicks game!

This time reporters from only 5 states and 1 foreign country. Oh well. Thank you to the faithful few. Please support our new distributing editor, JOHN SCHMID. His address can be found elsewhere in this issue and on the back cover.

Yup, if you don't fill these pages with loggings, you get. . .

ABBREVIATIONS

anmt	announcement	nx	news
AR	Arabic	OA	Peruvian
CP	Bolivian	o/	over
class mx	classical music	PT	Portuguese
EG	English	pgm	program
FR	French	RS	Russian
f/in	fade in	rel	religious
f/out	fade out	SP	Spanish
GM	German	sfx	sound effects
HC	Ecuadorian	SH	Swahili
ID	identification	tlk	tlk
IS	interval signal	tent	tentative
instl	instrumental	u/	under
mx	music	v	variable
		wx	weather
		xmtr	transmitter

Summer time is tough on the tropical bands but you can still hear things. There can be enhanced conditions to Latin America if you can cut through the static. Also this is a good time for the South Pacific stations, though not Indonesia or Papua New Guinea. Also remember during the summer is a good time to check your antenna construction and connections. Remember to unplug that receiver and antenna when not in use because of thunderstorms.

Remember Notes from NASWA by MARIE LAMB airs on HCJB DX Party Line the third Saturday of the month. 1908 UTC for Europe on 15270 and 17790, 0038 and 0308 Sunday to North America on 9745 and 11925.

Please support all our NASWA editors whenever you can. Next deadline to John Schmid is July 10, next deadline to me is July 22. Good DX.

International Band Loggings

5901-30000 kHz

Wallace C. Treibel
357 N.E. 149th Street
Seattle, WA 98155



- 5900 ISRAEL Kol Israel in AR 1850, AR mx, long phone tlks, ID, nx (Serra Italy 5/22)
5960 CANADA R Japan relay in EG 0110, national/world nx, ID, sked (McGuire MD 5/7)
5970 COSTA RICA REE relay in SP 1230, ID, nx to C Amer, tlks (Davenport TN 5/5)
5985 CONGO RTVC Brazzaville in FR 0502, mx w/FR lyrics, ID (Kaminsky NJ 5/16)
6005 SEYCHELLES BBC relay in EG 2105, "Newshour", //5975 Antigua (Lamb NY 5/26)
6010 MEXICO R Mil in SP 0715, jazz mx, IDs, Mexican pops, ID, f (Lamb NY 5/15)
6010 CUBA RHC in EG 0020, Top 10 mx, rpt on medicine in Cuba (Tucker GA, McGuire MD)
6025 BOLIVIA R Illimani in SP 0142, Gipsy Kings folk mx, IDs, slogans, f (Lamb 5/31)
6065 SWEDEN RS in EG 2149, "In Touch" mailbag pgm, QTH, mx, IS, ID, f-g (Lamb 6/12)
in EG 1626, nx, wx, mx, "Current Affairs", ID, sports pgm (Serra ITALY 5/16)
6080 AUSTRALIA RA in EG 0744, ID, request show, pops mx, QTH, f (Lamb NY 5/15)
6085 GERMANY Bayer Rundfunk in GM 0256, 50's mx, ID (Paszkiwicz WI)
6090 CHILE R Esperanza in SP 1000, ID, TC, live mass (Rausch NJ 5/15)
6100nf NEW ZEALAND RNZI in EG 0836, TC, ID, tour of historic Auckland house (Lamb 5/22)
in EG 1145, ezl mx w/big bands, ID (Davenport TN 5/12)
61165 COLOMBIA LV del Llano in SP 0005, lcl + intl nx, TC, ads, ID (Rausch NJ 6/6)
6130 CANADA CHXK Halifax in EG 1845, ads for auction, ID, oldies, f (Lamb NY 6/10)
6155 ROMANIA RRI Bucharest in EG 0202, tlk re Orthodox Easter, nx, f (Peck NY 5/2)
6165nf CHAD N'Djamena in FR/Vern 2230, Afr folk mx, NA at s/off 2301, ex 49045, sked
calls for 2200 s/off on all days except Sat, g (Alexander PA 5/21)
6165 NETHERLAND ANTILLES RN relay in EG *2330, nx, Bach mx, ID (Thompson NY 5/31)
6180 BRAZIL RN da Amazonia in PT 2230, ancnst, ads, BR pops/ballads, ID, //1780,
radio skits, promos, fqys, sked strings (Jordan PA 6/9, Alexander PA 5/21)
7100nf IRAN VOIRI Teheran in EG 0035, NA, Koran readings, ID, cmntry, nx (McGuire 5/21)
7110 ETHIOPIA V of Ethiopia in lang *0359, s/on w/Jack-in-the-Box IS, tlk, lcl tribal
mx, //9705, 5990, s/on at 0330 on weekdays (Alexander PA 6/5)
7120 MADAGASCAR RN relay in EG 1736, nx, wx, IDs, mx, TC, //17655 (Serra ITALY 5/9)
7130 TAIWAN VOFC Taipei in CH 1204, lcl/world nx, ID, f-p (Davenport TN 5/5)
71729 ALBANIA R Tirana in IT 1634, lcl nx, ID, folk/pop mx, IS, //5985 (Serra 5/8)
7180nf SLOVAKIA Rimavska Sobota in EG 0830, AWR/Int'l svce (Placanica ITALY 5/18)
7200 SUDAN Sudan Nat R in AR 0250, IS, NA, ID, nx, g (Paszkiwicz WI 5/27)
7235 CYPRUS BBC relay in EG 0330*, sports scores, fqys, QRM (Lamb NY 5/17)
7255 NIGERIA V of Nigeria in FR 2116, reggae/Afr mx, IDs, g (Lamb 6/10) in EG 1926
"Developing World", ID, tlk (Serra ITALY 5/24)
7255 GERMANY R Free Europe in Turkmen 0207, Qu'ran, nx, ME mx, IDs (Lamb NY 6/11)
7295 MALAYSIA RIM Radio 4 in EG 1027, western pops, YL anncr (Krepp/Byan MA)
7305 VATICAN VR in EG 0250, statement by Pope, ID, tlks (Davenport TN, McGuire MD)
7345 CZECH REPUBLIC R Prague in EG 1030, IS, IDs, polit cmntry, "Live in Prague",
//9505 (Serra ITALY 5/22) in EG 0105, rpt on elections in Hungary (McGuire MD)
7412 INDIA AIR in EG 2210, nx, current events, //9950, 11620 (Rausch NJ 5/29) in EG
1753, lcl songs, very fast ID, nx (Serra 5/22)
9022 IRAN VOIRI in TK 1638, NA, nx, ID, cmntry, mx, tlk, //97456 (Serra ITALY 5/7)
9345v NO KOREA R Pyongyang in EG 2019, polit tlk, mx, ID, //6576, 99771 (Serra 5/26)
9380 GREECE VOG in GK 0200, GK folk mx, YL w/ID, M vcls, g (Cleveley NY 5/24)
9405 CZECH REPUBLIC R Prague in SP 2258, horn IS, IDs in langs, fqys, f (Peck NY 5/1)
9420 GREECE VOG in EG 0135, nx, ID, folk mx (Cleveley NY 5/24, McGuire MD 5/11)
9460 TURKEY VOT in TK 2159, TK folk mx, pips, ID, f/poor modulation (Peck NY 5/1)
9505 BRAZIL R Record in PT 2305, echo IDs, ads, jingle, TCs (Lamb NY, Paszkiwicz WI)
9510 ROMANIA RRI in EG 0400, nx, ID, rpt on lcl business (McGuire TN, Serra ITALY)
9560 JORDAN R Jordan in EG 1603, nx, lcl wx, ID, choral mx (Serra ITALY 5/8)
9595 YUGOSLAVIA RY in EG 2102, nx re Balkans, fill mx, ID, cmntry, f (Lamb NY 6/10)
9620 YUGOSLAVIA RY in EG 2037, nx, ID, cmntry re Bosnia crisis (Serra ITALY 5/26)
9659 VENEZUELA R Rumbos in SP 0315, M anncr, Latin mx, IDs (Kaminsky NJ 5/7)
9675 PAPUA NEW GUINEA NBC in EG 1200, lcl nx, wx, classical mx (Clement GA 5/15)
9675 TURKEY VOT in EG 1223, lcl mx, IS, IDs, pips, nx (Serra ITALY 5/14)
97248 COSTA RICA AWR in SP 0115, relig pgm, IDs, //61499 (Alexander PA 5/15)
9745 ECUADOR HCJB Quito in EG 0754-0900, DX Partyline, g Dexter's DXing Utilities,
Marie Lamb's NASWA/ANARC nx, "Musical Mailbag", many IDs, g (Pappas SD 5/21)

9745 GERMANY VOA relay in AR 2037, "American Songs", ID, nx, f (Lamb NY 5/30)

9780nf UNITED ARAB EMIRATES Abu Dhabi in AR 1910-2123*, tlk, lite instr mx, Koran, sad vocals, ID, s/off with NA, //11885 (Jordan PA 6/6, Alexander PA 5/14)

97803v YEMEN San'a in AR 2135-2305*, AR mx/tlk, Koran, NA, usually s/off about 2115 (Alexander PA 5/21) in AR 0300, vocals, chants, vp (Jordan PA 6/7)

9810 SEYCHELLES FEBA in EG/AR *1857, IS, ID in both langs (Rausch NJ 5/30)

9810nf SWEDEN RS in EG 0058*, "Sweden Calling DX'ers", f-g, //6065 (Lamb NY 6/7)

9850 SWEDEN RS in EG 0331, nx, "60 Degrees North", "MediaScan/SCDX", QTH, f, //6040 in EG 0030, cmntry on smoking, econ tlk, exc (Thompson NY 5/31)

9860 SWITZERLAND SRI in EG 0406, feature on movie filmed in Switzerland "Hoka Hey", ID 0429, into FR 0430, //6135, 9885 (Pappas SD 5/23)

9860 TAJIKISTAN R Nederlands relay via Dushanbe in EG 0027, IS, ID, nx on several world fronts, wx rpt for Hilversum, "Newsline" (Krepp & Byan MA)

9870 SAUDI ARABIA BSKSA in AR 2005, IDs, nx re Rwanda, instr mx, f (Lamb NY 6/12)

11605 ISRAELKOL Israel in EG 0401, nx re PLO & D-Day, wx, ID, //9435 (Lamb NY 6/6)

11715 CANADA R Korea relay in EG 1030, update on N Korea's nuke pgm (McGuire MD 5/13)

11720 BULGARIA RB in EG 1903, nx, ID, "Today", nx features (Tucker GA 5/31)

11770nf LITHUANIA R Vilnius in EG/IN *2300-2330*, ID, choir, 5 min of EG nx, rest of pgm in LN, full 1/2 hr of EG pgming on weekends only, f (Lamb NY 5/16)

11785 COLUMBIA R Nacional in SP 0355*, salsa mx, ID, NA (Paszkiwicz WI)

11790 ARMENIA R Yerevan in EG/SP 2228, classical mx, jazz, pops, into SP 2243 w/ID, nx fqys, sked, NA, //11920, 11945 (Lamb 6/12, Alexander PA 6/4, D'Angelo PA 5/16)

11830 BRAZIL R Anhanguera in PT 0112*, IDs, pronos, nx, Braz pops, g (Lamb NY 5/25)

11840 ALBANIA R Tirana in EG 0230, world nx, ID, cmntry, class mx (Cleveland NY 5/24)

11905 PORTUGAL VOA relay in CR 1858*, rock mx, IDs, nx headlines, f (Lamb NY 5/30)

11935 SAUDI ARABIA BSKSA in AR 2040, AR mx, Koran, ID, p (Davenport TN 5/4)

11945 UNITED ARAB EMIRATES R Dubai in AR/EG 0315, AR mx, EG 0329, ID, fqys, TC, nx, poor sig w/co-channel QRM, //15400, 13675 both weak (Alexander PA 5/15)

11990 KUWAIT RK in EG 1822, country mx, ID, fqys, lcl TC, nx, NA (Lamb 6/12) in AR 1703, nx (Unruh WA 5/17) in EG 2047, pop mx, ID, NA (Tucker GA 5/5)

12050 EGYPT R Cairo in AR 1839, ME mx, ID, radio drama w/SFX, g (Lamb NY 5/30)

13605nf UNITED ARAB EMIRATES Abu Dhabi in EG *2200, martial NA, ID, fcy, sked, Koran, prayers, US pops, //9770, 11885 (Jordan 6/4, Alexander 5/14, McGuire MD 5/18)

13625nf FRENCH GULIANA RFI relay in EG 1200, ID, D-Day look-back, sports, TC, world nx, "Made in France", press review (Jordan PA 6/6, Lamb NY 6/10, Tucker GA 6/8)

13650 NO KOREA R Pyongyang in EG 2300, ID, nx, cmntry on new hiways, exc (Unruh WA)

13700nf CUBA RHC in EG *0000-0200*, ID, nx, cmntry, Cuban mx, this fcy on USB, //6010 (Jordan PA 6/5, Alexander PA 5/15)

13700nf INDIA AIR in Lang? *0214, IS, tlk, lcl mx, f at s/on, f/o 0245 (Alexander 5/15)

13750nf FINLAND RF in EG 2238, ID, rpt on satellite reception, nx (D'Angelo PA 5/21)

13750nf INDIA AIR-GOS in EG 0010-0045*, lcl mx, ID, nx 0030, f (Alexander PA 5/22)

13834 MOROCCO VOA relay in EG 2000, spec EDXC stereo broadcast, VOA Europe nx, site ID req for phone calls, greetings to EDXC, QRM Croatian R & RHC (Rausch NJ 5/20)

15095 SYRIA R Damascus in SP/PT 2345, ME mx, tlk, into PT 0000, //12085 (D'Angelo 5/28)

15205 MOROCCO VOA relay in EG 2006, nx, "Music USA Jazz", interview, f (Lamb NY 5/30)

15280 MOROCCO VOA relay in Serbian 1933, nx re Balkans, "Taps", ID, f-g (Lamb NY 5/30)

15290nf MOLDOVA R Dniester Int in EG *2029, IS, ID, "News Magazine", nx, mail, lcl folk mx, QTH, R Moscow WS in EG 2100, ex 9620 (Alexander PA 5/21, Lamb NY 6/12)

15320 UNITED ARAB EMIRATES R Dubai in EG/AR 1330, nx, ID, wx, AR 1355 (Serra 5/29)

15425 PORTUGAL D Welle relay in SP 2351, Dixie jazz, ID, fqys, nx, f-g (Lamb NY 5/19)

15475 RUSSIA R Atlantika in RS *1200, IS, organ mx, ID, fqys, tlks, f (Jordan 6/10)

15650 GREECE VoG in GK/EG 0936, mx & song, tlks, pips, ID, NA, //17525 (Serra 5/15)

17750 BRAZIL Radiobras in PT 1919*, BR pop mx, tlk re lcl econ, ID, f (Lamb NY 5/30)

17870 SWEDEN RS in EG 1348, cmntry on safe sex, sports anmts/results (Levison PA 5/27)

21590 NETHERLANDS ANTILLES RN relay in EG 1730, IDs, IS, mx, nx, TC, feature about children, wx, US pops, //7120, 17655 (Serra ITALY 5/9, Levison PA 5/8)

21595 AUSTRALIA RA in EG 0551, sports pgm live w/scores, //17715 (Serra 5/15)

21605 UNITED ARAB EMIRATES R Dubai in EG 1330, nx, ID, req rpts, QTH (Levison PA 5/18)

25870nf? USA WFLA Tampa in EG 1406, nx, wx, IDs as "News Radio WFLA" and "970, WFLA", call-in pgm w/dr Gray re impotency, f-p (D'Angelo PA 5/28)

 After 11 yrs and one overhaul, my old Model DWP410 printer has just about had it. It must be missing a gear or something like that since it has routinely overprinted lines of type causing severe exasperation to Ye Olde Editor. I've reduced to cutting and pasting the output and barely made this month's deadline as a consequence. If my pocketbook will allow I hope to be back to normal next month. Hopefully, DX'ing conditions will improve.

English Schedules

Tom Sundstrom

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Fax 609-859-3226

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GEnie T.SUNDSTROM



Prepared 6/21/94 at 8:29 PM.

For July, thanks to Chris Hambley (Australia), Hans Johnson (MD), Jonathan Marks (R Netherlands), Dr. Adrian Peterson (AWR) and Andy Sennitt (WRTH).

NBC, Papua New Guinea, returned to 9675, 20-14 UT, per a call from Chris Hambley. Thanks for your positive comments on the column, Chris!



Geoclock, the PC version of the Geochron clock, is up to version 5.3. Among other things, the button bar implementation is complete. Download

GEOCLK53.ZIP from the Geoclock BBS at 703-241-7980 or Pics OnLine BBS at 609-753-2540/-1573/-2605 or the Radio RT on GEnie. Registered users will find about 30

new maps posted since April on the Geoclock BBS; most of the maps are SVGA updates to current EGA maps.

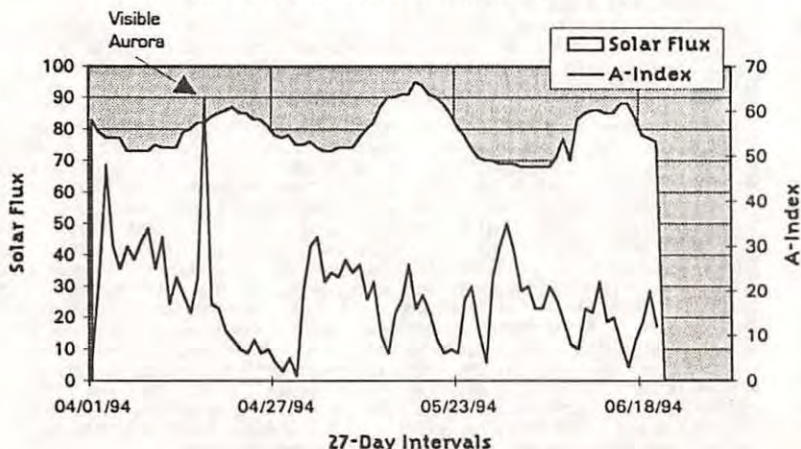


Radio Miami International made it to air on June 14. Congratulations,

Jeff White! For the moment, the schedule is UT Tu-Su 01-04 with English ("Viva Miami") the first half hour, Spanish thereafter. Those of you who remember the TV show "Miami Vice" will recognize the music played as background to station announcements.

Wanted! Station graphics suitable for scanning. Anyone have a R Moscow/CIS graphic? I still see the CCCP version. The May column's cover page contains examples of what I am looking for. Thanks.

SOLAR FLUX & A-INDEX: APR-JUN 1994



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SCHEDULES

START END	COUNTRY	STATION	FREQUENCIES (kHz)	TARGET AREA	NOTES	LAST UPDATE
0000						
0100	Thailand	R Thailand	11905 9655	SEJ		06/10/94
0200	Russia	R Moscow Int'l	15425 11805 11750 11665 9765 9530	World Service		06/12/94
0130	USA	WRMI	9955	C-Am/Carib	Tu-Su	06/19/94
0130	Uzbekistan	R Tashkent	9740 9715 7250 7190	AS		06/19/94
0230						
0245	Pakistan	R Pakistan	21730 17705	SA/SEA/AS	Slow-speed English	06/19/94
0300						
0400	Russia	R Moscow Int'l	15425 12070 9765 9750 9530	World Service		06/11/94
0400						
0500	Russia	R Moscow Int'l	15425 12070 9880 9765 9750 9655 9530	World Service		06/12/94
0520						
0550	Mongolia	R Ulan Bator	12015	AS	Su	06/19/94
0730						
0745	Pakistan	R Pakistan	17725 15190 7290	SA/SEA/AS	Slow-speed English	06/19/94
0800						
0900	Pakistan	R Pakistan	21520 17900	WEU		06/19/94
0900						
0925	Belgium	R Vlaanderen Int'l	17595 13690 6035	AF/EU	M-Sa	05/28/94
0910						
0940	Mongolia	R Ulan Bator	12015 11850	AUS		06/19/94
1100						
1120	Pakistan	R Pakistan	21520 17900	WEU	Slow-speed English	06/19/94
1400	Singapore	R Singapore Int'l	9530	External Svc		05/26/94
1130	United Kingdom	BBC World Service	9700	AS	via RNZI	06/05/94
1200						
1300	France	R France Int'l	15325 15195 15155 9805	eEU		06/19/94
1245	Mongolia	R Ulan Bator	12015 11850	FA/E	Mo, We, Th, Sa	06/19/94
1225	Uzbekistan	R Tashkent	17815 15295 9715 7285	AS		06/18/94
1300						
1355	China	China R Int'l	7405	wNA/Am		06/03/94
1330						
1500	India	AIR	15120 13732	GOS/SEA/AS		06/18/94
1355	Uzbekistan	R Tashkent	17815 15295 9715 7285	AS		06/18/94

SCHEDULES

START END	COUNTRY	STATION	FREQUENCIES (kHz)	TARGET AREA	NOTES	LAST UPDATE
1400						
1500	France	R France Int'l	11910	As		06/19/94
1445						
1515	Mongolia	R Ulan Bator	13780 7260	As		06/19/94
1533						
1630	Iran	V of Islamic Rep of Iran	11910 11790 9575	Ind/Pak		06/11/94
1600						
1700	France	R France Int'l	6175 3965	Eu		06/19/94
1630	Pakistan	R Pakistan	17660 15675 15555 13590 11570 9470	As/ME	Slow-speed English 1	06/19/94
1700						
1800	Azerbaijan	R Daa Gorgud	7160	Eu		06/19/94
1900	Guam	KSDA	13720	Inde/As		06/19/94
1800	Pakistan	R Pakistan	11570 7485	WEU	Sa-Su	06/19/94
1745						
1945	India	AIR	15075 11935 11620 9950 9650 7412	GOS/e&w&A/W/WE/ME		06/18/94
1830						
1900	Yugoslavia	R Yugoslavia	9720 6100	Eu/AF		06/03/94
2000	Argentina	RAE	15345	Eu/AF	M-F	06/08/94
2000	Thailand	R Thailand	11905 9655	Eu		06/10/94
2000						
1400	Papua New Guinea	Natl Broadcasting	9675	Pap/NG		06/09/94
2030						
2100	Yugoslavia	R Yugoslavia	9620	Eu		06/04/94
2200	Thailand	R Thailand	11905 9655	Eu		06/10/94
2130	Yugoslavia	R Yugoslavia	9595 7265	Aus		06/04/94
2200						
2300	Thailand	R Thailand	11905 9655	cAF		06/10/94
2300						
2400	Guam	KSDA	15610	seAs		06/19/94

the  page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

JERRY BERG, Chairperson • 38 Eastern Ave. • Lexington, MA 02173 • (617) 861-8481

מדינת ישראל

KOL ISRAEL
BROADCASTING STATION

Date December 13 1949.

5474 11/21

MR. M. Hankins

1001 Ligonier St.

Lafayette, Pa.

U.S.A.

Dear Sir,


Thank you for your Reception report, dated 8.9.49
and for the interest in writing to us.

Your report was checked against the station's records and
found to be correct / ~~with the exception of the frequency~~.

You were tuned to test transmission on 9000 kc/s.

With best wishes for further good reception, we remain,

Yours faithfully,




O. WILKER

Engineer i/c Studios

OW/VH.

REMARKS:- On your request I confirm that
your report on reception of Kol Israel
9000 kc /s between 0345 and 0404 G.M.T
September 8,49 has been checked and found
correct, and is hereby verified.

Here is the form letter that Israel Radio was using the year after Israeli independence. Note the frequency, 9,000 kHz. Many of us can remember nearby 9,000 kHz. as a standard Israeli channel for many, many years. 73 -- 

North American Shortwave Association
45 Wildflower Road
Levittown, Pennsylvania 19057

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The Journal of the
North American Shortwave Association

ISSN 0160-1989

Executive Director: Bob Brown, KW3F
238 Cricklewood Circle, Lansdale, PA 19446

Publisher: Bill Oliver, 45 Wildflower Road,
Levittown, PA 19057

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