

# ANDEX

International



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## TRENDS IN SHORTWAVE BROADCASTING *Part 1*

**S**olid Rock 'n' Roll ... continual country tunes ... day long jazz fests ... hours of telephone talk shows. These and much more may be heard on your shortwave radio in coming years if the dreams of potential shortwave broadcasters in the United States come true.

With the lifting of a prohibition on new shortwave outlets from U.S. soil a few years ago, a number of ambitious broadcasters have either filed applications or announced their intentions to do so.

First on the air with a commercial station was Louisiana broadcaster Joseph Costello who unveiled WRNO — The Rock of the World, a one-transmitter station beaming continual rock music and shotgun newscasts primarily aimed at the Americas and Europe. Close on WRNO's heels came KYOI which broadcasts a similar format from Saipan to listeners in Japan.

Others soon announced similar plans. From the unlikely place of Opelika, Alabama, Dickson Norman plans to put on an omni-directional, stereo, shortwave station with programming plans announced rivaling the VOA in ambition. Out in California, a group calling itself Radio U.S.A. plans a commercial outlet programming jazz music beamed to South America. Following the lead of Mr. Costello, rock station KRSP in Salt Lake City is laying plans for a rock-format station beamed at Canada and Cuba. Another group says it plans to

transmit country and western music to the world from the state of Maine. And, from Louisville, Kentucky, another station, Kentucky Radio International has been proposed which would offer a variety of programming including telephone talk, news, magazine shows and other features.

Commercial groups aren't the only ones wanting a piece of the action. Several Christian organizations have jumped into the private ownership scene with ambitious plans. Already, KNLS broadcasts Christian programming (and big band music) from Alaska to Asia, joining the already established Christian stations such as KGEI in San Francisco, WINB in Pennsylvania, WYFR in Florida and Trans World Radio in Guam. Joining them is a new Far Eastern Broadcasting Corporation facility from U.S.-owned Saipan, and a proposed Adventist World Radio outlet from Guam.

On the mainland, High Adventure Ministries has received permission to construct a powerful facility in California (they already operate the Voice of Hope station in Lebanon), Criswell Bible Institute in Dallas plans to put KCBI on the air and the Voice of Yahweh, WMLK, plans to take to the air as soon as its parent organization completes renovation of an AM transmitter and an old gas station into a studio in Pennsylvania. The Lester Summerall Evangelistic organization has announced its application for a facility near Indianapolis, and a minis-

ter in Louisiana has said he plans to establish a transmitter in that southern state.

Most recently, the Christian Science Monitor has announced its plans to place a station on the air from multiple transmitter sites in New England and the South. This Boston-based organization will expand its current "Monitoradio" weekly program to a full service news and information format which will probably compare favorably to the VOA or the BBC.

To those plans, add rumors of potential stations in Richmond, Virginia, Atlanta, Georgia and other localities. It soon becomes obvious that the shortwave field is a popular place for some broadcasters.

What are the implications of so many new shortwave stations on the bands from the United States? There are several.

*To be continued in October-November*

by Ken MacHarg

ANDEX member 24, editor and author of DX publications, program host for HCJB, Ken MacHarg also directs Kentuckiana Interfaith Community in Louisville, Kentucky U.S.A.



# FEARLESS FORECAST:

## Reception Via The Long Path

Part 1



By John Stanley

**F**or the last two issues we have been seeing how to find the great circle path that a radio signal normally follows to get from the transmitter to your receiver.

These paths are the closest thing to a straight line that exists on the surface of the globe. Normally, a radio signal will go in straight lines if it can and is not deflected or reflected by a conducting surface. Since the surface of the ionosphere is conductive as far as radio signals are concerned, the ionosphere is one place where signals can get reflected.

The ground is another conductive surface. By bouncing back and forth between the two conductive surfaces, radio signals travel for long distances taking a zigzag path along a great circle as viewed from the side. Viewed from the top the signals are traveling along a straight line. That line is a great circle on the earth.

**Sneaking around the dark half of the globe may be easier, even though longer. This is what makes the long path interesting.**

Between any two points on the earth's surface is a line that connects the two points and is a segment of a great circle. Finding those lines is what you have been doing with the special maps included in the last two issues.

If you looked for any paths for points exactly opposite each other on the globe (antipodal to each other), you may have had a hard time deciding which set of curves to use. That is because between any two antipodal points there is an infinite number of great circle paths.

Between any other points on the

globe there are only two paths. Perhaps you thought there was only one, but think again. If you look at the paths you plotted on the modified cylindrical map, you may realize that to set out from point A to point B, you have to aim in a certain direction. But if you were to aim in exactly the opposite direction, you would also eventually get to point B, by going around the world in the opposite direction! This way of getting there is appropriately called the long path. (The other way, oddly enough, is called the short path!)

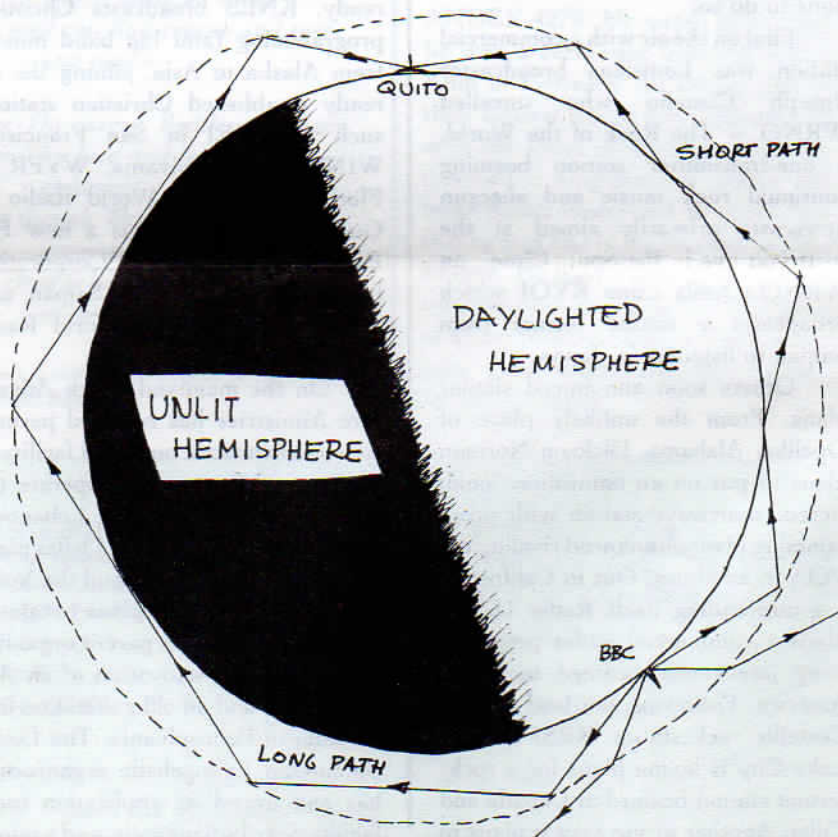
Why would any sensible radio signal want to go the long way around? Well, it is sometimes the easiest. Just as you might avoid a "shortcut" that took you

through a swamp, so the radio waves will take the longer path if it finds it easier going.

Why the journey might be easier, even though the distance is greater is a story in itself, but let me simplify by saying that radio waves travel through dark regions easier than through daylighted parts of the world. So, sneaking around the darkened half of the globe may be easier, even though longer. This is what makes the long path interesting.

Reception via the long path will give you your best DX without leaving the earth. Here are some hints on how to hear it.

*To be continued in October-November*



## An Interview With HCJB English Service Director, Glen Volkhardt

on OPEN LINE INTERNATIONAL CALL-IN PROGRAMS



### How would you describe response to HCJB's OPEN LINE program?

Response to the call-ins surprised us. We couldn't afford to take international collect calls and we had no idea if anyone would be willing to pay to participate in the program. On the first call-in we did (August 1984), the phone started ringing five minutes before we even went on the air. We received 12 calls during that one-hour program. Since then we have received as many as 16 calls in an hour while on one occasion we only got one call. The average has been six to seven callers per program. We have had callers from most of the countries of western Europe, Australia, New Zealand, the United States, and of course, Ecuador.

### Most other call-in programs have a single host, HCJB has chosen a different route.

That's right. OPEN LINE, as we call the phone show, is hosted on a rotation basis by the teams in charge of several of our more popular programs, giving the listeners a chance to talk to their favorite programmers. The DX PARTYLINE program, hosted by John Beck, is devoted to the shortwave listening hobbyist in our audience. Listeners have enjoyed the opportunity to chat personally with the HAPPINESS IS group led by Dee Baklenko. The MUSICAL MAILBAG is hosted by four "crazy" people who read letters, eat while they do the program, and make fun of almost anything. They always draw a good number of calls from folks who just want to say "Hi" and be a part of the party.

### Is there a particular goal or purpose HCJB has in mind for the phone show?

Recently we offered a topical call-in on the subject of education using a pre-recorded interview with Phyllis Schlafly provided by Marvin Maddoux. The program did not draw

nearly the number of calls which some of the others had, pointing out what is our greatest weakness and at the same time our greatest strength in doing call-in programs. Operating from Ecuador, we don't have the big names available to us as special guests. This tends to create a more conversational atmosphere. Rather than having experts answering listeners questions, the more typical situation is a dialogue between the caller and the program host. This is why a program like THE MUSICAL MAILBAG, which never has much of an idea of where it is going before it gets started, continues to draw callers.

### Besides the question of who to invite to the programs as guests, what other problems did you face which a typical local call-in program would not have to deal with?

One is the time of the broadcasts. Our typical schedule calls for one release in the evening around 9 pm local time to North America, and a later simulcast at 2 am Quito time to Europe and the South Pacific. The 2 am broadcast is heard at 7 am in London, 7 pm in New Zealand, and 4 pm in Eastern Australia.

### What about technical problems?

One problem we discovered right away was the satellite delay, which anyone who has ever made an international telephone call is familiar with. It can be disconcerting until you get

accustomed to it. Also, the levels we get on the international phone circuits range from fair to extremely poor. Our engineers had to come up with a custom-made system for handling the calls, which coupled a very fast acting AGC unit to the typical hybrid circuit. I was recently interested to hear that the Voice of America uses 18 people to do a call-in show. Our first call-in was done by a host with three guests, a producer, an engineer and a person to answer the phone. That has been streamlined now to the point that one person could do the show solo if he or she wanted.

### How is OPEN LINE financed?

Most of the other international broadcasters doing call-in programs are state-financed organizations with the budget to take collect calls and bring in well known guests. We simply can't afford that. We started OPEN LINE with the idea that we would continue doing the program as long as we continue to get calls. No one had any idea how long that would be. But in spite of the cost for the listener, we seem to have hit on a popular way of allowing direct listener participation and feedback. We would love to find a sponsor to underwrite the cost of the calls. I imagine we would be inundated with calls if the listeners didn't have to foot the bill. (Around \$5 from the U.S., twice that elsewhere.)

### What is coming up in the next three months on OPEN LINE?

Our schedule calls for OPEN LINE to be hosted by Dee Baklenko, hostess of HAPPINESS IS in September. The MUSICAL MAILBAG CREW is on for October, and DX PARTYLINE for November.

<b>Here are the times for North America:</b>	<b>For Europe and the South Pacific:</b>
Friday evening Sept. 20 11:30 pm EST	Saturday Sept. 21 0700 UTC
Thursday evening Oct. 17 9:00 pm EST	Saturday Oct. 19 0700 UTC
Saturday evening Nov. 23 9:30 pm EST	Saturday Nov. 23 0700 UTC

To call OPEN LINE, dial your international access code, then 593 for Ecuador, 2 for Quito, and 241-560 for HCJB.

## SPECIAL DXERS



**William Davis**

**S**pecial DXer William Davis has many years of interesting DXing behind him. He became involved in shortwave listening as a young man in his early 20s while living in the city of his birth, Glasgow, Scotland. Those were interesting years, with the intrigue and excitement of wars breaking out all around.

Before the Second World War, he monitored stations around the world on a Phillips receiver equipped with the "four-leaf clover" for tuning onto the strongest signal. He monitored the events of the Spanish Civil War in 1930s including messages from potato-carrying ships that managed to break the blockade off the northern coast of Spain. During the Second World War he enjoyed listening to "Lord Haw Haw" over the German stations. Since his wife and both parents were Irish-born, a favorite station to monitor was Radio Eireann from Athlone in the Republic of Ireland.

In 1949 he arrived in the U.S.A. on board the Queen Mary, a voyage that took about ten days. After retirement he became interested in amateur radio and is presently a licensed technician class operator.

His SWL equipment includes a Kenwood R-2000 and an Allied SX-190 as backup. Bill reports that both units are very satisfactory. He can monitor stations from around the world with both, and HCJB comes in on 9745 kHz just like a local station 15 miles away. Bill uses a long wire antenna and has various others for his amateur broadcasting.

Bill was a mechanical engineer for 40 years before retiring 12 years ago at age 60. He enjoys traveling and monitoring such HCJB programs as PASSPORT, DX PARTY LINE and UNSHACKLED.

We salute you, William Davis, ANDEX 1015, on being chosen Special DXer. Members can write to Bill at 6620 Oakbrook Drive, Fair Oaks, California 95628, U.S.A.

**A**nother ANDEX member wrote about DXing during the Second World War, 65-year-old Vasudev M. Parikh. Vasudev is member 5082 and a native of India. Shortwave listening developed as a favorite hobby during his college days due to a keen interest in western classical and soft music. DXing naturally followed.

During the critical years of the Second World War he listened to the BBC, Berlin, Rome and Tokyo to get the latest information on the war front. "What an exciting experience to hear the voices of Churchill, Chamberlain, Roosevelt, Hitler, Goebbels and Lord Haw Haw come booming in," said Vasudev.

The word "DX" was almost unknown in India in the 1940s and even today the DXer in India faces many difficulties with equipment, finances, and lack of suitable literature, etc. Yet Vasudev is active in three DX clubs in India - ICXCI Calcutta, Universal DX Club of Hyderabad and Youth Radio Club Bombay. He reports having listened to HCJB for more than 15 years and continues to enjoy the program DX PARTY LINE. At present Vasudev is semi-retired from his printing business. This allows him time to enjoy DXing with his Sony 7600-D and Yachtboy 700 Rx. He is a monitor for Deutsche Welle, Radio Japan (NHK), the Korean Broadcasting Service, and WYFR (Family Radio).

Be sure to write your congratulations to Vasudev M. Parikh, 134 Jupiter, Cuffe Parade, Bombay 400 005, India.

**Vasudev Parikh**



# andexing

**ANDEX SURVEY** — In this mailing you will find a questionnaire. This is your chance to give your opinions and express your needs and expectations for the club. In this way you can help influence and determine what ANDEX will be in the future. And a bonus—return the questionnaire with your name and we'll send you a small gift! Results will be published in a future issue of the bulletin.



The people who work with the computer, read your letters, file, write, edit, stuff envelopes — all that goes into running the ANDEX club, left to right: Marian Houghton, Mary McKean, Trisha Roberts, Priscilla Wagoner, Sylvia Lopez, Doris Hastings.

**A NEW PROGRAM UNDER AN OLD NAME -- SALUDOS AMIGOS** -- has gone on the air from HCJB in Quito. Ken MacHarg produces the program in the United States. He reads letters and responds to them, relating the program closely to the listener. Ken wants an international bond of trust to be developed as listeners around the world get to know each other through this program.

If you live in the South Pacific you'll find SALUDOS AMIGOS at 0800 UTC on Sunday. It goes to North America at 0200 UTC Tuesday evenings and 0630 UTC Wednesday mornings.

**TOPICAL SPECIALS** will continue to be offered on the hour-long Friday editions of HCJB's PASSPORT magazine program (heard Saturdays in the South Pacific):

DATE	TOPIC	HOST
Aug. 30	Audio Illusions	John Beck
Sept. 6	Education-Back to school	Jan Anderson
Sept. 13	Growing Old	Jan Anderson
Sept. 20	Answering questions on Ecuador	Jan Anderson
Sept. 27	The best of "Point of View"	Marvin Maddoux & guests
Oct. 4	Music of Michael Smith	Ken MacHarg
Oct. 11	Hunger in Africa	John Beck
Oct. 18	"The Gatekeepers" (News)	Jan Anderson
Oct. 25	Alcoholism	Dee Baklenko & Dan Tindall

**FOR THE VISUALLY HANDICAPPED** — The DX Radio Network (DXRN) is a non-profit group that is becoming one of the world's largest distributors of radio-related publications on cassette tape for the visually impaired.

To receive a list of the publications available on tape, fees that are charged, and other information about DXRN write to: DX Radio Network, Phillip M. Dampier, 3176 Elmwood Avenue, Rochester, NY 14618-2535 U.S.A.

**GREAT CIRCLE MAPS AVAILABLE** — Add to the list of those in the June-July bulletin one for Schenectady, NY U.S.A., sent to us by Emily Smith from Milwaukee, WI U.S.A. Thanks for finding and sending it, Emily.

**AN INTERNATIONAL JUBILEE CONTEST** is being held by The Shortwave Listeners Club SAAR (SWLCS). Participants will tune to various stations and send reception reports to SWLCS in the Federal Republic of Germany. The contest starts August 9th and will end October 31, 1985. For more details and forms to use write to: SWLCS Jubilee-Contest, P.O. Box 1170, D-6688 Illingen/Saar, Federal Republic of Germany. It is requested that you enclose return postage.

**WE RECEIVED A LETTER** recently from A.W. Henderson who was featured as "Special DXer" in the December-January 1984-85 ANDEX bulletin. He tells an unusual story of how he and another ANDEX member from the other side of the world got together and became friends:

"Many interesting things have happened since I was selected as Special DXer. I had several notes of congratulation from as far away as Australia and India. Vasudev Parikh, who lives in Bombay, India, saw my picture in the ANDEX bulletin and became interested in me because he has two sons who are citizens of the USA. One of them, an architect, lives in Houston, Texas, and the other, a doctor, lives in Wisconsin. Vasudev and his wife Kantaben came to the United States last March for a four-month visit with their sons. When they arrived in Houston, Vasudev gave me a call on the phone. In about two weeks they were visiting in our home in Dallas.



We had a wonderful visit and got in a lot of talk about the DX hobby. While here he logged about 25 shortwave stations on my Kenwood R-1000 radio. Vasudev is a true DXer if there is such a thing. His name is mentioned on page 15 of *The International Listening Guide* as a contributor to that publication. I would like to see him as ANDEX Special DXer one of these days for he deserves it very much."

We had the same thought, A.W., and had already chosen Vasudev as Special DXer for this issue. (see page 4.)

# Pen Pals

**GODFREY HALL** — Braeburn, 15 Heath Rise, Bromley, Kent, BR27PB, England - ANDEX 4929 — 36 years old - prefers contact with anyone in South America or the Pacific - wants to receive cassettes of local radio stations - also interested in TV stations - produces a children's radio program - will reply to all letters in English.

**CHRIS THOMPSON** — 3614 Tegge Ct., Inkster, MI 48141 USA — ANDEX 5364 — wants pen pals from New Zealand.

**PETER GILBERT** — 1 Court Street, Golden Square, Victoria, Australia 3555 — ANDEX 4519 — wants pen pals from the bottom of South America.

**JEFF GELLER** — 15735 Nordhoff Street no. 18, Sepulveda, CA 91343 USA — ANDEX 5074 — 25 years old - hobbies include camping and photography - wants to trade stamps, postcards, and musical cassettes with everyone, but especially East Europe and Asia.

**JEROME A. HADEN** — 2401 Houma, Apt. 336, Metairie, LA 70001 USA — ANDEX 4271 — would like to exchange video tapes. He can accept them from any system used since he has a multi-standard recorder - would also like to exchange radio cassettes in English, especially from Hong Kong and Singapore.

**ROBERT G. BAILEY** — 1105 2nd Street S.W., Canton, OH 44707-4504 USA — ANDEX 4566 — hobbies are Russian culture and history, SWL-DX, theology, photography, radio communications, and 11 meter sideband - an orthodox Christian, he would like to hear from other Christians - especially those who need encouragement, and anyone in the Soviet Union.

**BRUCE R. SCHULMAN** — 324 East Drive, Oak Ridge, TN 37830 USA — ANDEX 5202 — 15 years old - interests are collecting stamps, coins, and postcards; traveling, and making new friends - will answer all letters.

## MESSAGE FROM SPACE

**W**e gaze at the sky, especially at night, and we wonder about its secrets. Most of us have been overwhelmed with awe at the starry panorama described and shown at planetarium presentations.

The psalmist brings us a message about the skies. He says, "The heavens declare the glory of God..." (Psalm 19:1). The universe exists because God made it, and we are compelled to worship and praise Him.

Olga J. Weiss expresses her reaction in a poem called *Infinity*:

*Tonight I look upon the sky and think  
of Thee  
O God, Creator of those myriad stars  
and of vast space between;  
And yet inside the hollow of the hand  
which made all these  
My soul can find repose and rest  
and peace.*

*I see Thy mercy, limitless as space,  
I see Thy love and feel Thy close  
embrace;  
And though Thy presence fills the  
universe,  
Yet close as hands and heart Thou art  
to me.*

*Infinity* is used by permission of Back to the Bible Publishers.

## ANDEXING CONTINUED

CONGRATULATIONS to William Giesbrecht of Winnipeg, Canada, ANDEX 4270. He wrote to say that he won a certificate from the I.R.F. Klub in Germany for taking part in their contest which they cosponsored with the Voice of Germany. He also received a long-distance phone call from Radio Nederland to notify him that he was one of the winners in their contest. He won a prize of a five-volume Belgium encyclopedia. It is good to know of the winnings of our members. Does anyone else have contest results to report?

### ANDEX International



is the official bi-monthly publication of Andes DXers International, a DX Club operated in conjunction with DX Party Line broadcast over Radio Station HCJB and sponsored by the World Radio Missionary Fellowship, Inc.



DX Party Line Host — John Beck

ANDEX Director - Doris Hastings

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ADDRESS MAIL (NO funds) to: ANDEX International,  
Casilla 691, Quito, Ecuador

Write for a list of ANDEX offices in other countries for your payment convenience.

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