

ANDEX



INTERNATIONAL

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IS ANYONE OUT THERE LISTENING?

Is anyone out there listening? That is a nagging question in the mind of all broadcasters. In the case of a local station the answer is easy to obtain. You call the local pollster and find your rating. HCJB does just that in Quito and we find that our stations consistently rank in the top five in this capital city which has more than 40 stations.

It is more difficult to know what is happening with an international audience. There are no local pollsters. Door-to-door surveys are very expensive. What can be done? Keeping track of letters is one measure of audience response. But there is a problem with reliability of the international mail service with this method. What about the listeners who do not write, or who cannot write (like our Quechua audience)? Something else is needed.

HCJB . . . conducts original research

International broadcasters can pool their efforts to conduct special surveys in selected parts of the world. In 1983 HCJB cooperated with the BBC on studies of Spanish-speaking listeners in Latin America. The findings were encouraging and revealing. Over 140,000 people listen to HCJB in Mexico City. Peru is an even bigger success story. HCJB is the most listened-to foreign station there, with one out of every 14 people in the sample population listening regularly to HCJB, and a total audience of over 18 percent of the population.

SWL clubs sometimes poll their members and rate the broadcasters. HCJB's German and Nordic Language Services have been pleased to receive high mentions in recent polls taken among members of various clubs.

The search goes on. HCJB's audience research office conducts original research and collaborates with other researchers in order to get the answers. Piece by piece the mosaic comes together and a fuller picture is revealed. And with each new piece of information the station fine-tunes programming to better respond to the needs and desires of the audience.

by Phill Sandahl, Director of Research at HCJB

AROUND HCJB News of the station and the voices you hear

ENGLISH LANGUAGE SERVICE

HCJB is proud to announce the addition of Reuter's International World Wire to the Voice of the Andes English Service newsroom. Although the number of newscasts on HCJB will remain unchanged, the station is able to offer wider coverage of stories as they happen with the new English Language wire service. Also, watch for more indepth analysis and feature stories on PASSPORT, the station's radio magazine. Coupled with the Associated Press Latin American Wire and several local Spanish Language newspapers, HCJB is providing up-to-date reporting on Latin America and the world in 12 newscasts daily.

Have you been tuning in HCJB's OPEN LINE international call-in programs? ANDEX plans to keep you informed about these when possible. You can catch *Dee Baklenko* on the HAPPINESS IS OPEN LINE on June 21 to the Americas and June 22 to Europe and the South Pacific, on the topic "Life in Ecuador." Although the complete schedule after June is not available as of this writing, we do know that the hosts in the third week of July will be the MUSICAL MAILBAG gang, and in the third week of August DX PARTYLINE.

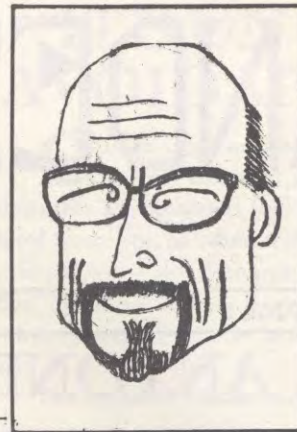
Continued on page 5



English programmers, left to right: Paul Bell (MORNING IN THE MOUNTAINS, LATIN AMERICAN NEWS, PASSPORT, WHAT IN THE WORLD); Jan Anderson (PASSPORT, HAPPINESS IS); Glen Volkhardt (PASSPORT); Rowena Turner (PASSPORT); Brian Seeley (NEWS, MUSIC IN THE NIGHT, PASSPORT); Dee Baklenko (HAPPINESS IS); John Beck (DX PARTY LINE, NEWS, PASSPORT); Ruth Jordan (HAPPINESS IS).

FEARLESS FORECAST: Special Map For A Limited Place

By John Stanley



Since last issue, some of you have been plotting great circle paths on the cylindrical projection map that was included with that issue.

With this issue we are including some great circle maps that will make the plotting of great circle paths very easy, but only to or from very limited locations.

A great circle map is a map on which great circle paths from the center of the map are all straight lines, making it very easy to plot. It is also very easy to determine the exact azimuth heading from the center of the map to any point on earth, as well as the distance.

For example, looking at the map for Quito, you can quickly grasp the fact that the shortest distance from Quito to Washington, D.C., is 4350 kilometers and is almost true north of Ecuador.

It is equally obvious that Siberia is north-northwest from Quito, a fact not easily grasped on a conventional map unless the method of the last ANDEX issue is used.

This method seems to make the radio waves follow a curved path when in reality they follow a straight line on the surface of the globe following, of course, the curvature of the earth. See how useful and fast the great circle map is?

Unfortunately, however, the map for Quito is not useful except for paths to or from Ecuador or nearby places. For this reason, great circle maps have been produced for many places in the world, especially if those places are the location of shortwave radio stations or if they are shipping or air traffic centers.

Besides the Quito map, we are enclosing maps for the central part of the eastern United States and for London, England. These are a sample of the maps we have here at HCJB and were chosen to be useful to areas where there are many ANDEX members.

A strange fact is that the entire outer perimeter of the London map represents a single point on earth!

Some of the other maps we have here in Quito are not very clear and wouldn't copy easily, but if members are interested we could try to make you a copy of any of the maps listed. If any ANDEX members can get great circle maps of other places, please send us a copy and we will add those places to the list of maps available.

Every attempt to reproduce the spherical surface of the earth on a flat paper will have some problems. It is necessary to distort either shapes, sizes, distances, or some combination of the three. Each type of projection has advantages and disadvantages.

The advantages of the great circle map is that distance and azimuth to any place can be quickly read. The disadvantage is that it is useful only for a limited place (its center) and as one goes further from that place the map gets more and more distorted.

If the map includes the whole surface of the earth as does the one for London, we have to put up with the strange fact that the entire outer perimeter of the map represents a single point on earth! That point, called the

antipodes (an tip a deez), is the point exactly opposite the point at the center of the map.

That point is very interesting for radio in that, conditions permitting, a beam sent in any direction will reach that point. A type of focusing takes place there and it is often possible to hear signals from that point more easily than from other places almost but not quite as far away, whose great circle path might pass through nasty places such as the magnetic poles. (I mean nasty from the point of view of radio propagation. Never having visited the magnetic poles, one of which is located in northern Canada, I cannot say if they are nasty in other ways, except, perhaps, for nasty weather!)

Try to get a great circle map for the place where you live by visiting or calling radio stations, libraries, geographical institutes, shipping companies, etc. It is possible to draw a map for your location if all else fails. After all, someone drew any given map that exists! The job is difficult, but not impossible. You would have to calculate the distance and azimuth for many points and then plot them on circular graph paper. Then, fill in the gaps with guesswork.

Now you have three ways to plot the path a radio signal takes to get from anywhere to your receiver: the globe and string method, the cylindrical projection and great circle chart that goes with it, and now, the great circle map. These three methods should pretty much agree.

Next time we will think about some interesting things you can do with radio listening, once you know the path a signal takes to get to you.

GREAT CIRCLE MAPS

GREAT CIRCLE MAPS AVAILABLE

AMERICAS:

Adak, Alaska, USA
Bethany, Ohio, USA
Fairbanks, Alaska, USA
Greenville, North Carolina, USA
Sackville, New Brunswick, Canada
San Diego, California, USA
San Francisco, California, USA
Seattle, Washington, USA
Washington, D.C., USA
Willemstad, Curacao, Neth. Antilles

PACIFIC ISLANDS, FAR EAST & ASIA:

Colombo, Ceylon
Guam, Marianas
Honolulu, Hawaii, USA
North West Cape, Australia
Okinawa, Ryukyu Islands
Poro, Philippines
Singapore
Sverdlovsk, USSR
Yosami, Japan

EUROPE & MIDDLE EAST:

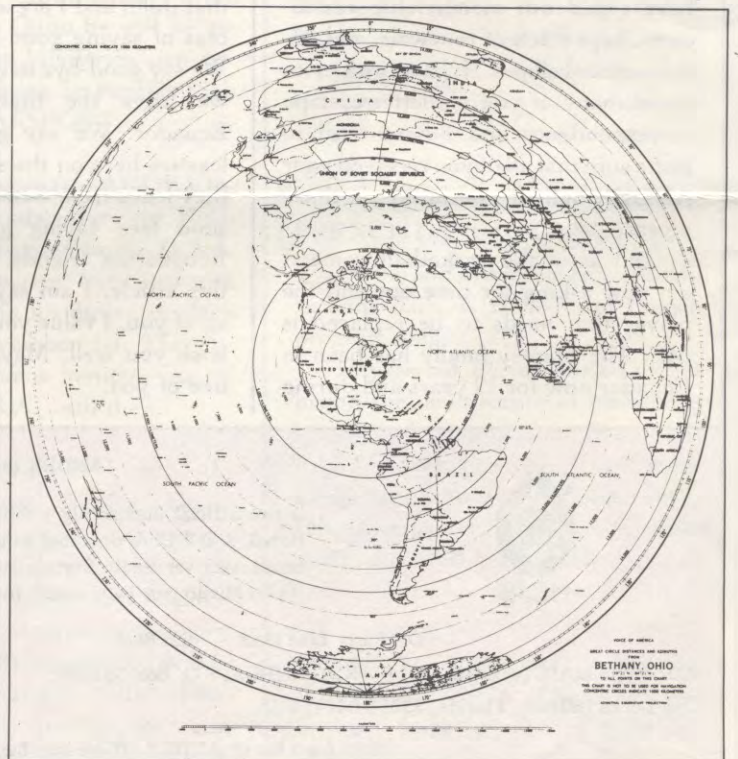
Athens, Greece
Cyprus
Julich, Germany
Kootwijk, Netherlands
Lampertheim, Germany
Lisbon, Portugal
London, England
Moscow, USSR
Munich, Germany
Northern Greece
Playa de Pals, Spain
Woofferton, England

AFRICA & SOUTH ATLANTIC

Ascension
Kigali, Rwanda (Africa)
Kigali, Rwanda (World)
Monrovia, Liberia
Tananarive, Madagascar
Tangier, Morocco



LONDON, ENGLAND 17



BETHANY, OHIO, USA 4

Ronnie Coody



Congratulations to Ronnie Coody on being chosen as an ANDEX Special DXer. Ronnie is ANDEX 3999, and lives at 2108 Rainbow Drive, W. Monroe, Louisiana, 71291, U.S.A. Let's let him tell about himself:

"I am 19 years old and a 3rd year college student at Louisiana Tech University, majoring in microbiology. My introduction to shortwave listening is an interesting story. When in the 9th grade I had a Radio Shack electronic kit. One of the experiments was a fairly simple AM receiver. I built the receiver and picked up a few of the local AM broadcasters. It had a good sound but poor reception. One night when I turned it on, the first thing I heard was not the big station nearby, but Radio Canada International. Wow! I was hearing a station all the way from Canada. That was my first station and that famous interval signal of Radio Canada still has a special place in my heart. That same night I heard the Voice of Germany which only served to whet my interest. I didn't have enough money to buy a receiver until a year later, when I bought a stereo system with SW coverage from 3-12 MHz. This was really fun for awhile until I realized there were bigger and better things beyond these limits. I bought a Realistic DX-100 next, then upgraded to a DX-200 and now I own a Kenwood R-600. This is really wonderful and I love the digital readout. I have come a long way since that first little radio I built.

HCJB has a special meaning for me not only because it was one of my first loggings, but because of the terrific message of Christ being spread throughout the world. My prayers often include HCJB and its wonderful ministry.

I have been very happy with my SW hobby and have some prize catches such as Radio Togo, Viet Nam, Swaziland, and Seychelles (that was a tough one!). I am also a ham radio operator and go by KA5PLB on a Tempo I transceiver. All in all I see a good future of radio in my life and hope to be either listening or broadcasting for many years to come."

SPECIAL DXERS

Hani Draye is one of two ANDEX members who live in Saudi Arabia. He is 24, graduated from King Saud University in Riyadh two years ago, and works as a documentalist in the Ministry of Information. He started DXing four years ago and now enjoys being a monitor for Spanish F. Radio, Radio Japan, Korean Broadcasting Service, Radio Austria, Belgium Radio and TV (BRT), etc.

He uses as many as four radios - an ICR 70, Grundig Sat. 1400 Pro., Sony ICF 6500W, and an ICR-4800 along with a long wire antenna, Sony AN-1 active antenna, and another indoor antenna.

Hani says, "DXing is not so popular in Arab countries so I depend on the U.S. and English sources along with the DX programs of radio stations. My best is DX Party Line, Media Network, and Spectrum. Now I'm in ANDEX and my membership number is 4707. It's great!"

We hope you will write your congratulations to Hani at P.O. Box 3341, Riyadh 11471, Saudi Arabia.

Hani Draye



ANDEXING



Mary McKean at the computer in the English Language Service

COMPUTER LISTING: The day of the computer has arrived! Now we hope that your ANDEX bulletin will continue to arrive at your homes!! During the past several months we have delegated certain responsibilities of the ANDEX club to the English Language Service office of HCJB. They have placed all the names and addresses of the ANDEX members on a computer, and it will print envelope labels and keep track of renewals for us. If a problem comes to your house along with this change, please write us so we can straighten it out. We will appreciate your understanding as we try to understand our computer.

HIGH-TECH PUBLISHING HAS COME TO HCJB, resulting in a change in the manner in which the ANDEX bulletins are prepared, and a change in their appearance as well. With this new method most of the bulletin is typeset in camera-ready page format, manipulating the placement of headlines, columns of text, and other page elements by computer rather than by manual "paste-up." Once our printshop staff becomes familiar with the computer the printshop stage of ANDEX bulletin preparation will be faster.

CLUB TO BE FORMED: Douglas Hopkinson is trying to form a correspondence club of Sony ICF 6800W users. If you are interested in this, you can contact him at Suite 1012, 1360 York Mills Road, Don Mills, Ontario, Canada M3A 2A2.

A.W. HENDERSON, of Dallas, Texas, ANDEX 4420, was our Special DXer in the December-January issue. He wrote to say that he found out about his honor from fellow ANDEX member James Messer of Astoria, Oregon, who wrote to congratulate him. A.W.'s copy of the ANDEX bulletin, which featured him, arrived on the same day as James' letter, but A.W. opened the letter before he opened ANDEX.

ANARCON-85 (Association of North American Radio Clubs Convention) will be held in Milwaukee, Wisconsin, July 19-21. Clayton Howard will be the main speaker at the annual banquet.

EDXC (European DX Council) Convention will be held May 24-27, 1985, in Madrid, Spain.

AROUND HCJB Continued

Ken Korpi, former host of **PASSPORT** is back home in the U.S.A. for home ministries until January, 1986. Upon return to Quito he will be assigned to Spanish Ministries. *Jan Anderson* is now doing an excellent job as hostess of **PASSPORT**.

Marian Osborne (see ANDEX International December-January, 1984-85) has been assigned to the U.S.A. Miami office where her husband, John, will begin his duties as office director on November 1st. The Osbornes are on home ministry assignment in the U.S.A. until then.

Glen Volkhardt, director of the English Language Service, begins eight months of home ministry in the U.S.A. in July. Glen will be in the midwest during the summer, California in the fall, Oregon in January, and Florida in February, and will be happy to speak at DX clubs. If you want to schedule him for your club contact the WRMF International Headquarters in Miami, Florida.

NORDIC LANGUAGE SERVICE

Look for the new program for Swedes living abroad and produced by the home office in Sweden. Whereas cultural programs produced in Quito focus on Ecuador, this new program will focus on news of Sweden.

Former director, *Mats Gunnarsson*, left in April to spend some time in Sweden. Upon his return to Ecuador he will be with the PACTO mission so will not be heard on HCJB.

GERMAN LANGUAGE SERVICE:

Sally Schroeder leaves in June for home ministry in Canada and will return in September. Sally reports that the German Language Service is receiving an increasing amount of mail from East Germany.

JAPANESE LANGUAGE SERVICE:

Kazuo Ozaki reports that many are writing for the first time after listening to Japanese programs for 10-20 years. He even heard from a Bolivian lady who doesn't understand Japanese but responded to the music and the few words she could make out.

There are many listeners to Japanese programs in the interior of Brazil. Many of the Japanese there are getting old and losing their eyesight. Although they cannot see well, their listening provides encouragement and comfort.

FRENCH LANGUAGE SERVICE

Daniel and Françoise Dossman direct the daily 1-1/2 hours of French programming.

15-year-old *Oliver Dossman* has begun the new feature of translating into French parts of *John Beck's* DX PARTYLINE program. The French Language Service also broadcasts a DX program each Friday at 0630, 2030, and 0130 UTC.

HCJB also broadcasts in Russian, Portuguese, Czech, Quechua, and Spanish. Look for news of these services in future issues of ANDEX International.

ANOTHER GOODBYE by Ruth Stanley



My son, Andy, played in a basketball game on Saturday morning and my husband, Fearless Forecaster John, and I went to watch. As the game progressed, one player or another would get injured or tired and then the coach would call time out. A new player would report in to the game and the tired, injured player would collapse on the bench at the sidelines to recuperate.

As executive director of ANDEX for the last four years, I have gotten in on a lot of the action of ANDEX. I have written articles, pasted up layouts and made trips to the printer. I have typed out membership certificates, kept track of renewals, and addressed envelopes. I have gotten to know many of you via letter or tape correspondence and I have tried to make sure that all of you received your ANDEX bulletins faithfully six times a year.

But as in the basketball game, I am now asking for time out and the player that needs to be replaced is ME. The Stanley family has been in Ecuador now for 12 years and during

the last several years we have been playing under a handicap. After both John and I had a bout with hepatitis in 1981, we have had continuing health problems which are aggravated by living in the altitude here in Quito.

So we have decided that in September we will be returning to the United States for an undefined period of time for a change of pace and a time of rest. I am grateful that, as in the game of basketball, there is another player to take my place in ANDEX.

Doris Hastings, who was introduced to you in the April-May issue of ANDEX last year, will be moving into my spot as ANDEX director. I am asking that you treat her as nicely as you have treated me.

I must, of necessity, (I couldn't live without him) take my husband with me as I go! Therefore, you won't see a regular column written by him in the ANDEX bulletin after the August-September issue. However, John loves radio and I am sure that he will be writing articles for ANDEX from time to time to let you know about the latest discoveries that he has made on the listening scene.

Since we are missionaries, it seems that John and I are always in the process of saying good-bye to someone. We say good-bye to our families when we leave the States to come to Ecuador. We say good-bye to colleagues here on the staff of HCJB as they leave from time to time. We will soon face saying good-bye to our Ecuadorian friends. And now, with this article, I am saying good-bye to all of you. I value your friendship and wish you well. May God bless each one of you.

IT'S UN - AVOIDABLE

Change is an unavoidable fact of life. Although sometimes desirable and planned for, it is often hard to accept, as when the Howards retired, when the Stanleys say good-bye, and when others leave for home ministry assignment or are transferred.

The writer of Psalm 46 discovered a way to face unsettling, even earth-shaking changes, such as mountains being "carried into the midst of the sea," nations raging, and kingdoms being moved. He found refuge in God, and he discovered quietness of heart in the knowledge that the Lord is in control (v. 10). For him the only way to counteract the effects of distressing changes in life was to abandon himself to the unchanging One who is a "very present help in trouble." There is no better solution than this.

PEN PALS International

WILLIAM E. KING - Trent Court, Apt. 1108, Lindenwold, New Jersey 08021, USA - ANDEX 4060 - 61 years old - hobbies are shortwave, amateur and CB radio, pen pals, fishing, reading, sports, and traveling - Will "tapespond" with anyone anyplace in the world - please respond via cassette tape only.

MR. P. HENG - 1912 Mukim 10, Off Jalan Kulim, Bukit Mertajam, Penang, West Malaysia - ANDEX 5107 - 21 years old - a student - hobbies are SWL, DXing, collecting first day covers and postcards, exchanging recordings of music and radio broadcasts, jogging, and badminton.



ANDEX International

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DX Party Line Host - John Beck

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