

ANDEX

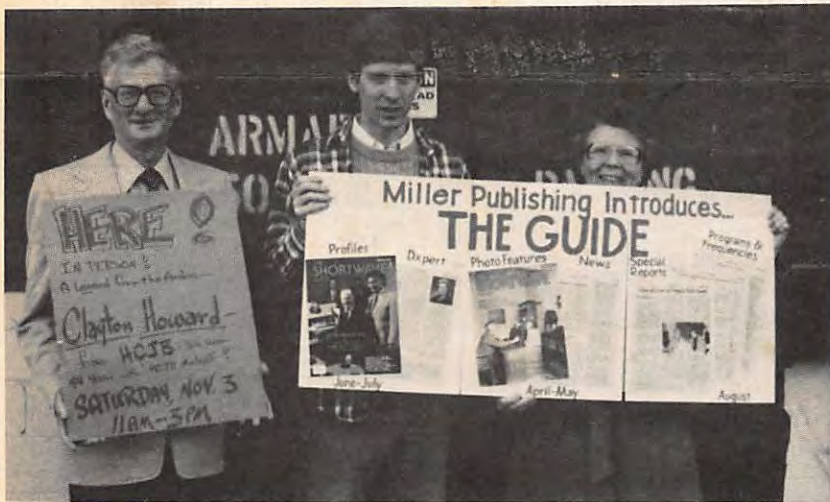


INTERNATIONAL

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CLAYTON'S COLUMN



“A Legend from the Andes!” That is what the sign said outside the entrance to the Electronic Equipment Bank in Vienna, Virginia. It was noon, November 3rd, 1984, and Helen and I had driven down to Vienna with Larry Miller of Miller Publishing in a 1984 Cadillac. Larry is the publisher of the excellent, monthly “Shortwave Guide.” Our capable chauffeur was Mike Maslowski, sales manager for the “Guide,” and the Cadillac had been rented especially for this trip. During the several hours we were at EEB, which is one of the leading suppliers of shortwave and ham equipment in the Washington, D.C., area, a number of DXers showed up to visit and chat with us. This was the first and only time that I have been presented as “A Legend from the Andes!” It was a unique and interesting experience.

When people ask what we have been doing since we left Quito back in August of 1984, we tell them that meeting with DXers has been one of our prime goals. Earlier I had met with quite a few DXers on a Saturday afternoon at Spectronics in Oak Park, Illinois. This had been arranged by Jeff White of Radio Earth and it was good to visit with Jeff and others. More recently I drove, again with Larry Miller, from Orlando to Lakeland, Florida, where a small group of DXers had gathered. A good time was enjoyed by all as we talked about the DXing hobby and nibbled on refreshments which had been provided by our host, Dr. John Santosuosso. John is professor of political science at Florida Southern College in Lakeland and is a frequent contributor to the “Shortwave Guide.” I should let Larry tell about the scenic tour we had of Lakeland on a dark, rainy evening as we attempted to find John’s home. Several of the group, including Larry,

were planning an overnight DX-pedition two days later on a small island in Tampa Bay. Weather forecasters were predicting freezing weather on the night planned for the outing!

In addition to contacting DXers, Helen and I have traveled several thousand miles since we arrived in the United States. After picking up about 3000 pounds of personal belongings at the Miami airport and trucking it to Orange City, Florida, in a rental truck, we flew on to Chicago. Two months were spent in Wheaton, a suburb of Chicago, where we have many friends and supporters. It was in this area that we lived before going to HCJB many years ago, and it was here that Helen and I met back in 1940. We had many opportunities to show slides of HCJB and Ecuador to groups while there. In October we drove east to Harleysville, Pennsylvania, and enjoyed two weeks with our younger son, Lee, and his family. It was great to have this time with them. We soon had to take off for Florida where we have been since the middle of November.

Finally, we are settled in our mobile home in Pine Forest, an adult mobile home park in Orange City, Florida. My brother is retired nearby which explains why we chose this area for retirement. As can easily be seen, we have been on the go most of the time so have not been able to do much DXing. Hopefully, the FRG-7 and ICF-2001 will be put to more use in the coming months. It will be interesting to see how DXing from here compares to that in Ecuador. I’m sure I will find things very different. We have found reception from HCJB

Continued on page 5

FEARLESS FORECAST:

SOME IMPLICATIONS OF LIVING ON A BALL

By John Stanley

One of the interesting aspects of DXing is what it can teach us about geography. Most geography books written since 1492 indicate that the earth is a sphere or ball. Even though this was known to the ancient Greeks, it is so obviously false to the senses that even today a Flat Earth Society exists. The existence and convenience of flat maps makes it difficult for us to visualize at times that the earth is spherical and that the shortest distance from Chicago to Bombay is over the North Pole.

Every DXer should have a globe to help visualize how the earth really is. "Too expensive," you might say.

Well, then how about borrowing one from a friend and making yourself a xerox copy at the local library? "That wouldn't work," you say. Well, if not, then perhaps you understand why no flat map really represents the world very well.

The most familiar type map is the Mercator projection whose major advantage is that it lends itself to calculations related to navigation. Otherwise, it is not so helpful. It greatly exaggerates the size of land masses near the poles while equatorial countries like Ecuador get cheated. On the other hand what are straight lines get bent and curved lines get straightened. In spite of this, if we understand the problem, there are ways to use this type of map for DX purposes.

In this article are graphic aids which will enable you to quickly cal-

culate both the direction and distance from your QTH to any place on earth. The world map is a modified cylindrical projection. It is similar to the Mercator projection in some ways and worse in other ways in that the shapes of high latitude land masses are distorted as well as their sizes.

Since radio waves are...lazy, or smart, or both, they usually follow great circles...

Also included is a chart of great circles which can be used with the map to find great circles on the surface of the earth.

"What," you may ask, "is a great circle?" Well, it is the closest thing to a straight line that exists on the surface of the earth and, therefore, is the shortest distance between two points on the globe. Since radio waves are basically lazy or smart or both, they usually follow great circles in traveling from place to place and thus save themselves unnecessary travel.

To get a feel for what a great circle is, get a globe and pick two points at random. Stretch a rubber band or a string between them, and you will find that the string tries to follow a great circle. Notice that if you pick two points at about latitude 40 north and separated by several thousand kilometers, the shortest path between the two points will go to the north a bit rather than following the line of latitude. This is why ships and planes traveling between Europe and North America seem to loop up into the North Atlantic on a Mercator map. They seem to be taking a long way but are, in

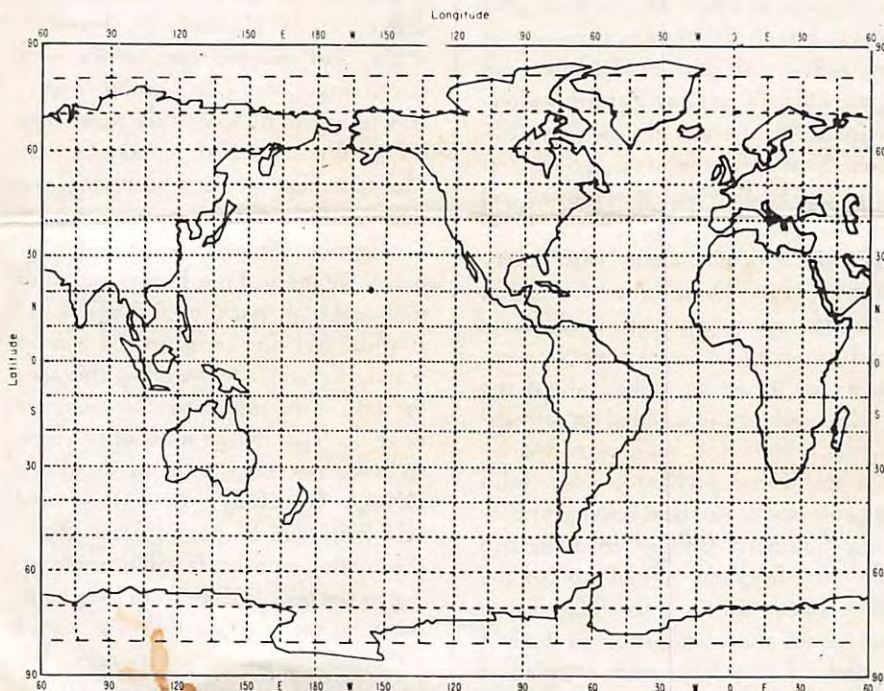
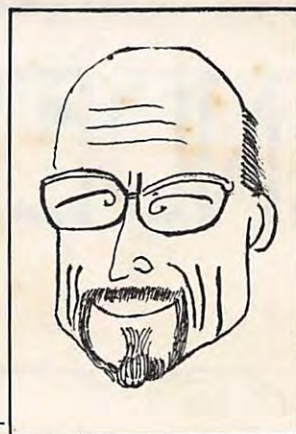


FIG. 3 WORLD MAP, MODIFIED CYLINDRICAL PROJECTION.

CLAYTON'S COLUMN, continued



quite good in the evenings, and we enjoy hearing the DX PARTY LINE with John Beck doing an excellent job. In past years one of the most frequent questions I had to answer was how to put up a good antenna in limited space and in a way that would not bother neighbors. Now I'm facing that question myself! I not only need a good receiving antenna, but hope to do a bit of ham operating as well. Now I need your help. Any suggestions?

Around the time we left Ecuador and shortly afterwards we received many letters and cards from DXers expressing their thanks to us for our

part on the DX PARTY LINE and wishing us well as we retired. Another lot arrived at Christmastime. We want to express our thanks to each and every one who wrote. We are just now getting to the place where we can and will answer every piece of mail we received. We're sure you will understand why it has taken so long to answer your letters. If you haven't had an answer yet, just be patient, you will hear from us soon. Many have written that they miss hearing us on the DX PARTY LINE. We appreciate that and must admit that we also miss being on the program. We must confess that

we get a bit homesick when we think about Ecuador, HCJB, DX PARTY LINE, and ANDEX. However, life goes on, and so does the DX PARTY LINE with John Beck and ANDEX with Ruth Stanley and Doris Hastings.

Helen and I want to thank each one around the world who has made up a part of the vast listening audience without which the DX PARTY LINE and ANDEX would never have existed. Your support encouraged us and made it all a success. Now we know you will continue to support John Beck, Ruth Stanley, and Doris Hastings as they carry on.

During the next few months you will be hearing a lot about the 1985 ANARC Convention which will be held in Milwaukee, Wisconsin, from July 19 to the 21st. Let us encourage as many of you as possible to attend this convention. It is a great opportunity to meet many of the top DXers and SWLers in North America and to take part in discussions concerning all phases of the hobby. I can guarantee it will be the highlight of your DXing year! I also hope many of you will come since I plan to be there, and I want to meet you personally and give you a word of thanks for your help in making the DX PARTY LINE and ANDEX so popular. My final word this time is, "See you in Milwaukee!"

VISITS ANDEX

All ANDEX members are special people to us. When one visits HCJB's transmitter and antenna site in Pifo where the ANDEX office is located, it's reason to bring out the camera and get an interview. Here's the story of a recent visitor.

Back in 1972, 22-year-old Dale Krummen graduated from Purdue University in Indiana, U.S.A., with a degree in electrical engineering. He then joined the U.S. Peace Corps. He was sent to Ecuador to work on rural electrification in Baños, about 175 kilometers south of Quito at the edge of the jungle. He stayed for four years.

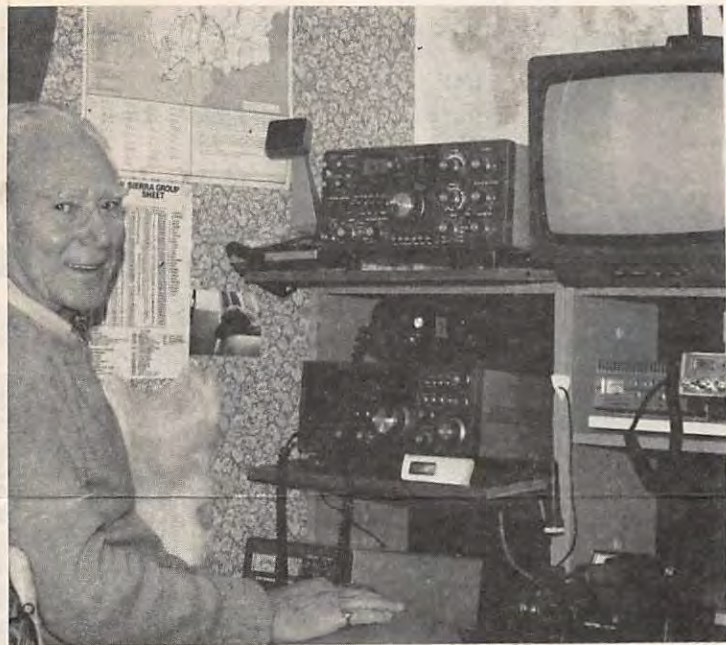
Anyone who lives in Ecuador for awhile comes to love the country and

its people, customs, music--in fact almost everything about it--and Dale was no exception. When he returned to the United States he took Rosa Sánchez from Baños with him as his wife. Dale and Rosa have two children now and live at 9671 Merry Lane N.W., Pickerington, Ohio. Dale works for an electric utility company.

They were back in Ecuador for a month of vacation, visiting Rosa's family in Baños. When they are at home in Ohio they "visit" Ecuador by listening to HCJB. Dale says they listen most to DX PARTY LINE and Spanish releases of Ecuadorian music and news. The picture shows Dale, Rosa, and two-year-old Monica outside HCJB's transmitter building with the 19-and 15-meter antenna for North America in the background.



SPECIAL DXERS



Joseph Johnstone

If our Special DXer could only fish at the same time he listens to his favorite radio stations, then that would be the best of both hobbies at the same time! Perhaps he does have a small portable to take with him when he fishes--then he could make a "catch" in both hobbies simultaneously!

As you can see from the photograph, it would be difficult to take all his equipment down to the riverside. His equipment consists of a TX/RX Yaesu 101ZD, a Yaesu FRG 7700, a Cobra 148GTLXD SSB/AM/FM and a 40-channel FM CB plus antennas for all of the above.

If you list a man's equipment, then you should also list the man. Joseph Williams Johnstone is our Special DXer for this issue, and he lives at 49 Lido Village, Silloth on Solway, Cumbria CA54NN, England. Joseph is quite a recent ANDEX member as he has a number in the 5000's. His number is 5146 and he joined this past September.

Joseph says that he is 67 years old and that he has always been interested in radio, but did not take an active part in SWL/DX until he retired from being a civil servant five years ago. Now he finds that he spends almost ALL his spare time, six to eight hours a day, in shortwave listening, and HCJB is his favorite station. Thank you, Joseph, for all those hours of listening to us.

Besides being in touch with his favorite radio stations, Joseph enjoys being in touch with radio friends all over the world and would especially like to have some new friends in Australia or New Zealand.

We were sorry to hear the news from Joseph recently that he has lost his little dog (see the photos among the equipment) who was a faithful friend to him. Let us be especially friendly then to our Special DXer, Joseph Johnstone from Silloth, England.

Our Special DXer for this issue was once a neighbor of John Beck, our host for DX PARTY LINE here at HCJB. However, a person has to be more than John Beck's neighbor to be chosen for Special DXer! Don Brewer is more than that.

Back in the mid-40's, Don first heard HCJB on an old Philco console. HCJB and the BBC in London were among the very first stations he heard and that started a fascination with radio communications which continues to this day both as hobby and occupation.

Indeed, radio is Don's life as shown by the fact that he holds two degrees, one in radio production and one in journalism and mass communications. He has worked as staff announcer, newscaster-reporter and news director for various radio stations in Oklahoma and in Kansas. He presently works as a radio program producer for the University of Arkansas.

Don's SWL/DX activities consist of general monitoring with a Kenwood R-1000 (shown in his photo), a Uniden CR-2021 and a Panasonic RF-2200. He uses both an outside wire antenna and an indoor active antenna.

He has also been an amateur radio operator since 1946 with various call signs and locations. At present, his call sign is W5VJQ and he prefers to operate on the 2-meter band with a Kenwood TR-7950, Icom IC-230 and Icom IC-2AT.

Don has joined ANDEX twice. The first time was way at the beginning of ANDEX in 1974. In May of 1983 he decided to reactivate his number 638. In addition to radio, Don does enjoy music and photography and his family which consists of a wife, two sons and a daughter.

We're glad you decided to put ANDEX back in your life, Don. If you hadn't, you could not have been chosen Special DXer today! Congratulations, Don Brewer, 2400 McCain Blvd., Apt. 1004, North Little Rock, Arkansas 72116, U.S.A.

Don Brewer



by John Beck

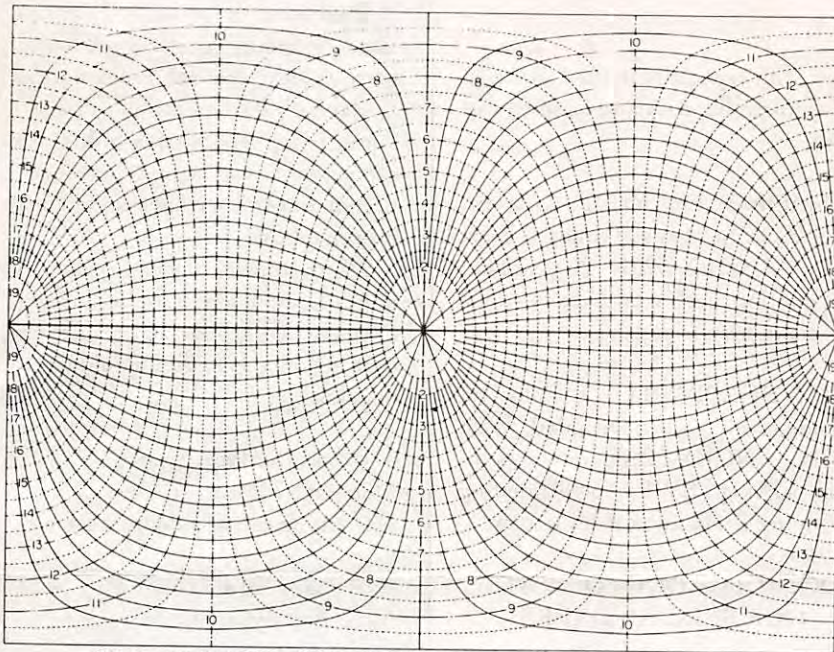


FIG. 4 GREAT CIRCLE CHART CENTERED ON EQUATOR FOR MODIFIED CYLINDRICAL PROJECTION WORLD MAP
(SOLID LINES REPRESENT GREAT CIRCLES. NUMBERED DOT-DASH LINES INDICATE DISTANCE IN THOUSANDS OF KILOMETERS.)

Have you been missing the DX PARTY LINE program? If so, you've been missing a lot of valuable information which could help you in the shortwave listening DXing hobby. We are continuing our "Station Profile" feature on each program, providing a description of a country, its people, the broadcasting situation there, plus QSL information, the interval signal, frequencies, and times the station can be heard in English. The DXPL Interval Signal Contest for 1985 will soon draw to a conclusion. We will announce the winners on the air and in a future issue of "ANDEX International."

Our coverage of the European scene has improved with regular reports being filed by Rob Sanders and Jonathan Marks. We are looking forward to a monthly report from the South Pacific Association of Radio Clubs, which will join our ANARC report every fourth Monday of each month. Our last telephone call-in program on the subject of computers and the shortwave-listening hobby was very successful. We will air another one sometime in May on the subject of propagation.

If there are subjects you would like to see covered on a future edition of the DXPL, we would like to hear from you. Until later, 73's and the best of DXing.

fact, taking the shortest path. An extreme case is travel between Rio de Janeiro and Perth, Australia, where the seemingly obvious path either due east or due west is much longer than a due south path across the South Pole. Now a ship might not choose that path, but a plane might very well do so and a radio signal will for sure.

Now that you know what a great circle is, how do you find them on the enclosed map? Well, you take a piece of tracing paper and you locate on it the corners of the world map and the line of the equator. Then you locate the two places you are interested in—Quito and your QTH, perhaps. You carefully lay the tracing paper over the chart of great circles with the equator line along the other until any one of the solid lines on the chart simultaneously crosses the two locations of interest.

Trace in that particular great circle and you have described the path that a radio wave will follow in getting between those two places. Lay the tracing paper back on the map to see through what countries the signal will have to pass. Aren't you glad that radio waves ignore international boundaries as they travel to you, crossing many countries without even a passport?

"Of what use," you ask, "is all this?" Well, besides teaching you geography, it will let you predict for yourself some interesting things about shortwave reception. For example, you can fearlessly forecast that during times of high K index (magnetic storms) waves arriving at your receiver via the north or south magnetic polar regions will be seriously disturbed. You can predict that summer in your hemisphere will bring high frequency signals from across the poles while low frequencies will be attenuated by the extra daylight. Medium-wave DXers in North America soon learn that central European stations are not always audible in summer, but in winter they are.

South American stations are much less seasonal in performance. That, by the way, is one of the reasons HCJB is glad to be in Ecuador. Being in the tropics avoids much of the seasonal and other variations that make shortwave a less than 100-percent reliable medium.

Practice with your map and chart and compare the results to those you get with a globe. Next time we will learn about another type of map that makes great circle plotting even faster, provided you have the right map for the right place!

BULLETIN!

The new schedule would normally be included in this mailing of ANDEX International. To do so would delay your mailing, so we plan to mail this and the next issue early, including the schedule in the NEXT mailing.

PEN PALS International

RALF HOHENADEL - Riedfeldstr. 4a, D-6300 Mannheim 1, Federal Republic of Germany - ANDEX 4332 - 18 years old, a student interested in DXing, collecting stamps and QSL cards, listening to pop music and practicing judo - will correspond in either English or German with anyone, but especially would like to hear from Australia.

CHRIS DENNISON - 33 John Bold Avenue, Stoney Stanton, Licestershire, LE9 6DP, United Kingdom - ANDEX 5054 - 15 years old and interested in DXing and computers - would like to correspond or exchange local radio cassettes with people any-

where, but especially in the USA, Canada, Australia, Asia and Eastern Europe.

DESMOND FRANCIS - c/o St. Anns P.O., St. Anns, Trinidad, West Indies - ANDEX 5201 - 25 years old - accounting clerk who likes to travel and make new friends.

KENT SHEPPARD - 1 Poinsetta Avenue, Petit Valley, Trinidad, West Indies - ANDEX 5228 - interests include DXing, SWL, corresponding and flying - will answer all letters.

DON'T FORGET TO WRITE
OUR SPECIAL DXERS



"Sorry, Mac...
that machine's on the blink"

THE LAST TIME OUT

Early in the month of April, the Christian church commemorated Christ's death on the cross on Good Friday and then, three days later, rejoiced in the celebration of his resurrection on Easter Sunday. I, too, celebrated, remembered, worshipped, and was thankful.

With those thoughts still in my mind, I came across a clipping that I have carried around in my files since high school days and I would like you to read it.

The Last Time Out
One day, while everyone
was sitting around doing nothing,
Christ came in.
Everybody said, "No,
Man, not again. We're
really not up to it.
Why don't you go someplace else?"
He looked at them and showed
Them the nail marks on His hands
And feet, and they said,
"Man, that's really touching.
Now go someplace else."
He showed them
His side where the
Spear had been and the scratches
On His forehead where the
Thorns were, and they
Said, "Sad, Man, real sad. Just
Go...someplace else."
Only He wouldn't go,
So they crucified Him again
And He just hung there.
They laughed and knew
He was faking, because
This time He didn't
Say, "Father, forgive them..."
(By William W. Savage, Jr.)

Read again the whole story in Luke's
gospel, and let us be careful not to cru-
cify Him again.

ANDEX International



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