

ANDEX



INTERNATIONAL

Vol. 1, No. 3

March 1974

ENGLISH PROGRAMMING



Ben Cummings – Morning in the Mountains MC

For years there has been talk of a club for DXers here at HCJB. Until 1973 it seemed that we never had the combination of personnel and a way to finance such a project. Clayt Howard, who has served in the Engineering Division since 1941, had become increasingly interested in the possibilities of developing the club. So when I assumed the directorship of the English Program Division in August of 1973, one of my specific assignments was to see that the DX Club development was given high priority. It has been a joy to see the club develop. Response has been excellent from our listeners and we expect to see the ANDEX INTERNATIONAL Club grow to be one of the most important parts of HCJB. Thank you for joining. As a member, we expect you to help us with ideas to make the club better and more effective. Keep sending your ideas to Clayt.

HCJB presently transmits an average of 18 hours daily in English. We hope you find the programs interesting and helpful. It will interest you to know we have a very small staff dedicated to English programming. Most of those whom you hear on the HCJB programs actually work full-time at some other job. Some are serving as engineers,

nurses, secretaries, administrators, teachers, pastors, housewives or any number of other activities. But when people are being considered for service at HCJB we look for the extras they can contribute and seek to utilize all their talents. And they are willing to give extra hours – take extra responsibilities – push just a bit harder – make a personal sacrifice if need be; because all of us believe that the most important thing we can do is share with you and our other listeners the faith that has changed our lives. And we believe Jesus Christ can change your life if you will invite Him to take over and show you what life is all about. The first purpose of HCJB is to put you in personal contact with Jesus Christ our Lord so that you can really know abundant life.

Congratulations to Clayt and Helen Howard for successfully launching the DX Club. Let's make it the best club in the whole wide world!

Good DXing!

Ben Cummings
English Program Director

HCJB SPRING SCHEDULE

English programming will broadcast on the following frequencies during the period

March 3, 1974 – May 5, 1974

To North America:

0030-0100 GMT: 11.915, 9.560 mHz
0100-0230 GMT: 15.115, 11.915, 9.560 mHz
0230-0700 GMT: 11.915, 9.560 mHz
1215-1230 GMT: 11.740 mHz
1230-1630 GMT: 17.880, 15.115, 11.740
(Sunday only signoff at 1600)

To South America:

0330-0500 GMT: 15.115, 11.745

continued on page 4

QUITO MARKETS



Santa Clara Market – Quito

In a world where famines and hunger prevail in many countries, Ecuador is fortunate to have an abundant supply of good food. The markets are full of fresh vegetables and fruits of every kind. Since the climate varies from the tropical coast to the cool mountains to the warm jungles, almost every variety of vegetable or fruit can be grown. With a constant year-round climate in each area, fresh vegetables are available 12 months of the year. Tropical fruits, such as bananas, pineapples, oranges, papayas ripen the year around.

Every year, at this time, a fruit festival is held in the city of Ambato, about 80 miles south of Quito. This is the center of the area where fruits are grown that require a more temperate climate. During this season apples, peaches, plums and pears are found in the markets and we realize once again how fortunate Ecuador is with its abundance of food. It is an adventure to go to one of the markets in Quito and choose the items needed. It doesn't take very long to fill a large shopping basket with a wide variety of produce. All are of a good quality and excellent flavor.

ANDEX International —
is the official publication of Andes DX'ers 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. It is mailed monthly to all members.

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ANDEX Membership Report: As this issue of ANDEX International goes to press, we have

366 members from a total of 29 countries.

Tell your friends about ANDEX and help our membership grow.

It would be interesting to calculate just what percentage of our income and time goes into the meals we prepare to keep our physical bodies running. But a human being is more than just a body. We have a soul which is of much more value. The body will last for just a few short years while the soul will live for eternity. How much of our income and time do we spend to see that the soul is properly nourished? Shouldn't the spiritual, or eternal, have priority over the merely physical?

There is a beautiful passage of Scripture in the Book of Isaiah. "Say there! Is anyone thirsty? Come and drink — even if you have no money! Come, take your choice — it's all free! Why spend your money on foodstuffs that don't give you strength? Why pay for groceries that don't do you any good? Listen and I'll tell you where to get good food that fattens up the soul!

"Come to me with your ears wide open. Listen, for the life of your soul is at stake. I am ready to make an everlasting covenant with you. Seek the Lord while you can find him. Call upon him now while he is near. Let men cast off their wicked deeds; let them banish from their minds the very thought of doing wrong! Let them turn to the Lord that he may have mercy upon them, and to our God, for he will abundantly pardon! This plan of mine is not what you would work out, neither are my thoughts the same as yours! For just as the heavens are higher than the earth, so are my ways higher than yours, and my thoughts than yours.

"As the rain and snow come down from heaven and stay upon the ground to water the earth, and cause the grain to grow and to produce seed for the farmer and bread for the hungry, so also is my Word. I send it out and it always produces fruit. It shall accomplish all I want it to, and prosper everywhere I send it." (Isaiah 55:1-11, *Living Bible*)

As we read and study this Book, we learn to know the Lord as our Saviour. When we put our trust in Him and read His Word, we find the nourishment our souls need to live for eternity.

MEET THE ENGINEERS



Eric Moore

Near the town of Papallacta, about 40 miles east of Quito, HCJB operates its own hydroelectric power plant. This generates nearly 2000 kw of power to keep the HCJB transmitters on the air. Serving at this location is our Power and Hydro Engineer, Stanley Eric Moore.

Eric was born in Belfast, Northern Ireland. Part of his early years were spent on a farm. His education continued until he received his Master of Science degree in Electric Power Engineering. He also holds an associate membership in the Institute of Electrical Engineers.

After completing his education, Eric worked for several years and received experience that very aptly fitted him for his responsibilities here at HCJB. First he spent 5 years as an apprentice with a shipbuilding firm in Belfast. This was followed by 2 years of graduate training with the Electricity Board for Northern Ireland. Then two and a half years were spent with the same company in transmission design work.

In 1966 Dr. Clarence W. Jones, Cofounder of HCJB, was in Northern Ireland as a speaker at a missionary convention being held in Bangor. It was at this convention that Eric first heard about the work of HCJB in Quito. It was not until 1972 that Eric arrived in Ecuador to begin his work as an engineer with the Voice of the Andes. In the picture above, he is seen making some adjustments at the control panel of the hydroelectric plant.

In addition to the regular maintenance and operation of the power plant, Eric is involved with plans

to remote control the gates of the dam at Lake Loreto. This dam was built several years ago to increase the water available for our power plant. This remote control will make it possible to use the water more efficiently as needed. Eric is also involved with plans for a second hydroelectric plant that will be needed when new and larger transmitters in the 250 to 500 kw class are installed.

When you listen to HCJB, try to remember Eric and the other engineers in their important roles of keeping the transmitters on the air.

DXer OF THE MONTH



Norman W. Clover

New Zealand is the home of the winner of our DXer of the Month award for March. Norman W. Clover lives in Hillcrest where he works as an insurance officer.

Norman first became interested in shortwave as a boy but the 2nd World War and raising a family put a damper on his activities until 1970, when his listening was renewed in earnest. He now uses an Eddystone EC10 MkII receiver. In addition to the built-in whip antenna he also uses a 45 ft. inverted L with an antenna coupler. Other equipment includes a cassette recorder on which shortwave programs can be taped.

The first time Norman heard HCJB was as a boy in prewar days when he was listening on a 1 valve home built receiver. Receivers of that type were common in those days. He now does most of his listening between 0700 and 1000 GMT, averaging 1 to 2 hours a day. Weekends usually find him listening for longer periods of time. He enjoys both shortwave listening and DXing and collects QSL cards. Some of the pennants and certificates he has received from various stations can be seen in the picture.

continued on page 4

SATELLITE PROGRESS



Ecuador joined the world-wide satellite communications networks near the end of 1972. At that time a satellite earth station was put in operation near the town of Conocoto in the Chillos Valley, just a few miles east of Quito. Tied in with the national microwave network, all parts of Ecuador now enjoy good, rapid communications with the remotest parts of the earth.

Shortly after this earth station was inaugurated, the Ecuadorian Post Office released a special postage stamp honoring the occasion. This stamp with a value of 1 sucre — about 4¢ US — shows a picture of the antenna system. These stamps were printed in color by the Military Geographic Institute. In as much as many ANDEX members may also be stamp collectors, we are happy to attach a copy for your collection, or that of a friend.

This earth station was manufactured and installed by the Mitsubishi Electric Corporation of Japan. By their claim it was the most modern earth station in the world at the time of installation. Major features include the giant antenna with a diameter of 105 feet, mounted on wheels which turn on a circular track. A four-reflector-focused-beam-feed system is used which permits all communications equipment to be located at ground level. Eliminated are the elevated equipment room, waveguide run and rotary joint conventionally required. Redundant equipment is installed to provide uninterrupted service. A number of channels are available for telephone, teletype and TV communications. A substation with a capacity of 500 KVA and a 210 KVA diesel generator provide power to operate the equipment. A microwave link connects the earth station with the city of Quito and provides 960 message channels as well as TV facilities. The status of the earth station equipment can be supervised from the offices in Quito and the transmit power can be controlled by remote control.

The first use of this earth station for TV programs was a transmission of the closing ceremonies of the Olympic Games in Munich, an event of much interest to all TV viewers in Ecuador. The equipment was still undergoing tests at the time and had not yet gone into commercial operation. Nevertheless, excellent pictures were seen by thousands of viewers. This marked the beginning of a new era of communications for the country of Ecuador.

continued from page 1

To South Pacific:

0500-0700 GMT: 15.115, 9.745 mHz
0715-1000 GMT: 11.915, 9.745, 6.130 mHz
1000-1045 GMT: 11.915, 9.745 mHz

To Europe:

0715-0830 GMT: 11.915, 9.710 mHz
1730-1745 GMT: 17.885, 15.310 mHz
(Monday through Saturday only)
1900-2045 GMT: 17.885, 15.300, 11.885 mHz

For information on other languages, write for our International Program Schedule.

continued from page 3

We wish many more years of successful DXing to Norman Clover and congratulate him on his selection as DXer of the Month. His certificate in recognition of this honor has been sent to him.

Listen to DX Party Line, and invite your friends to tune in. Heard 3 times each week on HCJB.

For South Pacific: Monday—Thursday—Saturday

0930 GMT 25 m — 11.915 mHz
31 m — 9.745 mHz
49 m — 6.130 mHz

For Europe: Monday—Thursday—Saturday

1930 GMT 16 m — 17.885 mHz
19 m — 15.300 mHz
25 m — 11.885 mHz

For North America:

0300 GMT Tuesday (10:00 PM Monday EST)
0400 GMT Friday (11:00 PM Thursday EST)
0230 GMT Sunday (9:30 PM Saturday EST)
25 m — 11.915 mHz
31 m — 9.560 mHz

For South America:

0400 GMT Friday (11:00 PM Thursday EST)
25 m — 11.745 mHz
31 m — 15.115 mHz