

# ANDEX



## INTERNATIONAL

Vol. 2, No. 3

March 1975

### NRB HONORS HCJB



*Dr. and Mrs. Abe Van Der Puy*

Two members of the HCJB family were highly honored at the National Convention of the National Religious Broadcasters, Inc., held recently in Washington, D. C. The NRB is an association of religious broadcasters, both national and international, and includes both radio and TV. It was organized in 1944. It now comprises more than 800 religious broadcasting organizations, including both radio and television stations as well as program producers.

Dr. Abe Van Der Puy was elected by the convention to serve as President of the NRB for the coming year. Dr. Van Der Puy has served for a number of years as President of the World Radio Missionary Fellowship. This means that he will not only continue to direct the work of HCJB but will also have an influential voice in religious broadcasting in the United States and many other parts of the world.

At the same convention the first four men were inducted into the NRB's "Hall of Fame." These pioneers of Christian broadcasting included Dr. Clarence W. Jones, co-founder of Radio Station HCJB back in 1931.

### NEW TRANSMITTER

HCJB has been beaming programs into Europe for many years using several different languages. These broadcasts have been well received by a large listening audience. However, due to propagation conditions on the path between Quito and Europe, it has been difficult to provide a strong consistent signal to all parts of Europe with our present 100 kw transmitters. This is especially true during the prime evening listening hours. The problem has been further complicated by the recent increase in number of stations using the shortwave bands and the number of superpower stations now on the air.

As a means to provide a greatly improved service to Europe, HCJB has recently embarked on a program to design and construct a new superpowered transmitter with an output of 500 kw. Mr. Clarence C. Moore of Elkhart, Indiana, has made space available for this development program at his factory, Crown International. Crown is well known as a manufacturer of high quality audio equipment. Mr. Moore spent several years in Ecuador with HCJB back in the early 1940s and was influential in the early development of the station. He is also known as the inventor of the "Quad" antenna used by many ham radio operators all over the world.

Two HCJB engineers, Don Spragg and Ralph Horn, are already in Elkhart getting the project underway. Two other engineers with transmitter experience in both Manila and the Seychelles, where they have worked with the Far East Broadcasting Company, are expected to be working with the project by mid-summer. More may also be added to the group of engineers as the project progresses.

Preliminary plans for the transmitter have been completed as well as a full-scale wood and cardboard mock-up. This will give the engineers a

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## GOD'S RICHES

How many crosses have you seen today? The cross is probably the best known symbol in our society. It is featured all around us in buildings, books, jewelry, art and sculpture.

If asked what the cross symbolizes, most people would readily recognize that it is related to the Christian faith and specifically to the death of Jesus Christ, which is the special emphasis of the Easter season. The cross of Christ was the demonstration of God's love in giving his Son for our sins. "We know what real love is from Christ's example in dying for us," declared an eye-witness of that event (I John 3:16).

Yes, the cross is the symbolic reminder of an event of history. Did you know, however, that the cross -- or that which it symbolizes -- can be very personally related to you? Not merely something remote from you, but something that enters your experience and is life-changing.

The Bible expresses it in this way: "I have been crucified with Christ: and I myself no longer live, but Christ lives in me. And the real life I now have within this body is the result of my trusting in the Son of God, who loved me and gave himself for me" (Galatians 2:20). The apostle Paul, who wrote these words, had trusted Christ as his Savior. He saw vividly what Jesus' death on the cross had accomplished for him and in him. He gladly identified with Christ and stated, as a fact of experience, that now Christ lived in him!

To any who trust Christ as Savior, the cross of Christ means pardon for sin, peace with God . . . . AND new life here and now. "For God loved the world so much that he gave his only begotten Son so that anyone who believes in him shall not

perish but have eternal life" (John 3:16). As you go through life, every cross you see in the world around you is a reminder of the source from which God's riches flow. Have you taken the step of trusting Jesus Christ as your Savior, making that which the cross symbolizes a reality in your life? If not, why not do so right now?

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Tyndale House Publishers, Wheaton, IL.

## DXer OF THE MONTH



*Marlin A. Field - ANDEX No. 202*

This month we take you to Hillsdale, Michigan, the home of our "DXer of the Month". Marlin A. Field, ANDEX member No. 202, has been a serious DXer for more than 14 years. His occupation is that of librarian for the Waldron Area Schools. He has earned a Master's degree in Librarianship from the Western Michigan University as well as a Master's degree in Political Science from the University of Missouri. Although now living in Michigan, he is a native Missourian.

For his receiver, Marlin uses a Hallicrafters SX-100 with a 50 foot longwire antenna. The amount of time available for DXing varies from day to day, but he does most of his listening between the hours of 2200 and 0300 GMT. With his Hallicrafters receiver he has achieved an enviable record. He has heard stations in 199 countries with verifications from 193! The total number of shortwave stations heard comes to 786 with verifications from 647. Many DXers would be happy to duplicate these successful results!

Marlin's special interests include collecting pennants from radio stations, Latin American broadcasters and Christian stations. He has been able to

### **ANDEX International --**

is the official 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. It is mailed monthly to all members.

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build up a collection of 203 pennants from stations in 58 countries, another enviable record! In a recent issue of FRENDEX, the publication of the North American Shortwave Association, he was the author of a very interesting and informative article entitled, "Christian Radio Voices". The first shortwave station he ever heard was HCJB back in 1960. However, his first verification came from Radio Caribe, in the Dominican Republic.

In addition to shortwave DXing, Marlin also enjoys hunting around on the broadcast band. He has verifications from standard broadcast stations in 22 countries. Included in this list are two stations in Ecuador, both in the city of Guayaquil. He also enjoys the popular hobby of stamp collecting.

As an active DXer, Marlin is not only a member of ANDEX but also of the North American Shortwave Association, the Radio Clubs of Radio Portugal and the Canadian Broadcasting Corporation, and Número Uno (a small club in which membership is by invitation only).

Marlin is married and the father of three children. His wife is a reading teacher and not interested in shortwave DXing. Her only involvement in the hobby is to iron the many pennants in her husband's collection. One of his children, 13 years of age, has done a little DXing.

We extend our congratulations to Marlin A. Field for his excellent record in DXing during the past 14 years. He certainly merits being selected as "DXer of the Month".

## MEET THE ENGINEERS



*HCJB Engineer Don Spragg*

As we continue our series on HCJB engineers, we are happy to introduce you to Don Spragg, our engineer for this month. Don comes from Alpena, Michigan, which is situated in the northeastern part of the state on the shores of Lake Huron. It was in this area that Don grew up and received his early education. He continued his education at the University of Michigan where he earned the Bachelor of Science in Electrical Engineering.

Don's first contact with HCJB came through a pastor in his home town who was also an active amateur radio operator. As a result of this contact, Don became interested in working at HCJB, and in 1968 he was accepted as a short-term worker. He spent one year working at the HCJB transmitter site, near the town of Pifo, as a transmitter engineer. After his year in Ecuador he returned to the United States and accepted a position with Crown International in Elkhart, Indiana.

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## HCJB ENGLISH SCHEDULE

During the period from March 2nd to May 4th, 1975, some changes have been made in the HCJB schedule which affect our English language broadcasts. To keep you up-to-date, here is the current schedule:

### To North America:

0030-0100 GMT: 11.915, 9.560, 5.970 mHz  
(Sundays only 5.970 mHz is used)

0100-0500 GMT: 11.915, 9.560, 5.970 mHz

0500-0700 GMT: 9.560, 5.970 mHz

1215-1230 GMT: 11.745 mHz

1230-1500 GMT: 15.115, 11.745 mHz

1500-1630 GMT: 17.880, 15.115, 11.745 mHz  
(Sundays only signoff at 1600)

### To South America:

1230-1500 GMT: 15.405 mHz

### To South Pacific:

0500-0700 GMT: 11.915 mHz

0715-0830 GMT: 11.915, 9.745 mHz

0830-1045 GMT: 9.745, 6.130 mHz

### To Europe:

0715-0830 GMT: 11.915, 9.760, 6.140 mHz

0830-1030 GMT: 11.915 mHz

1730-1800 GMT: 17.730, 15.310 mHz

1900-2030 GMT: 17.730, 15.300, 11.855 mHz

# HCJB QSL CONTEST

This is your last opportunity to enter our HCJB QSL Contest. All entries must reach us by March 31, 1975. If you haven't sent in your entry, be sure to do so right away. We are trying to determine who has the oldest HCJB QSL card. They do not have to be cards that you have received yourself. One of your friends may have an old card that you can enter.

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During the first year in Ecuador, Don met his wife, Lois. She is the daughter of HCJB's President, Dr. Abe Van Der Puy, and had grown up in Quito. After their marriage they were accepted as full-time missionaries and returned to Ecuador to continue in the engineering work at HCJB. The first months of 1971 were spent in Costa Rica at the language school studying Spanish. Don's first assignment upon his return to Ecuador was a year at our hydroelectric plant in Papallacta. Following this was further transmitter work in Pifo.

After a time of furlough in the United States during the first months of 1974, Don was assigned to work in Elkhart, Indiana, as a project engineer to help with the design and construction of the new 500 kilowatt superpower transmitter described in another part of this bulletin. It is anticipated that he will be connected with this project for at least the next two years.

Don's hobbies include photography in addition to anything connected with electronics. His wife, Lois, is very talented musically and has often been heard by HCJB audiences as a soprano soloist or pianist. They have two daughters -- Kimberly, who is three years old, and Hillory, five months old.

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chance to study the complete layout and check the best location of the component parts before actual construction begins. Overall dimensions of the transmitter will be about 15 feet wide, 10 feet deep and 6-1/2 feet high. Cold testing of the radio frequency amplifier is expected to begin around the middle of 1975. This will be followed by hot tests, with power applied to the circuitry, by January, 1976. The target date for completion is December, 1976.

This transmitter will use a new water-cooled tube designed recently by EIMAC, a leading manufacturer of high-power transmitting tubes. The X-2170 tube will actually deliver 600 kw of power to the antenna so will be operating conservatively at the planned 500 kw. The modulator will also use the same X-2170 tube. An EIMAC 4CX-10000 will be used for the driver stage. The transmitter is being designed to operate on all shortwave bands from 16 meters to 49 meters, with rapid frequency shifting from one frequency or band to another. All the latest features and developments will be included in the design to make it the most advanced transmitter in this superpower category anywhere in the world.

Upon completion and thorough testing, the transmitter will be shipped to Quito and installed at the HCJB transmitter site near Pifo where a special antenna is being built to efficiently handle this high power. The high-gain steerable antenna will be featured in a future edition of ANDEX International. It is anticipated that in 1977 the new transmitter and antenna will be put into operation. Then our listeners in Europe will begin to hear the effects of this new equipment which has been designed specifically to help them. Listeners in Japan should also find reception much improved as the new transmitter beams programs in that direction as well.

This is another step forward in our desire at HCJB to serve our listeners with the best programs and reception possible. Additional superpower transmitters may be built later for use not only by HCJB in Ecuador, but also by other missionary stations in other parts of the world.

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 31 m - 9.745 mHz  
49 m - 6.130 mHz

For Europe: Monday-Thursday-Saturday  
0930 GMT 25 m - 11.915 mHz  
1930 GMT 16 m - 17.730 mHz  
19 m - 15.300 mHz  
25 m - 11.855 mHz

For North America: Tuesday-Thursday-Sunday  
(Monday-Wednesday-Saturday 9:30 PM EST)  
0230 GMT 25 m - 11.915 mHz  
31 m - 9.560 mHz  
49 m - 5.970 mHz