

INDEX

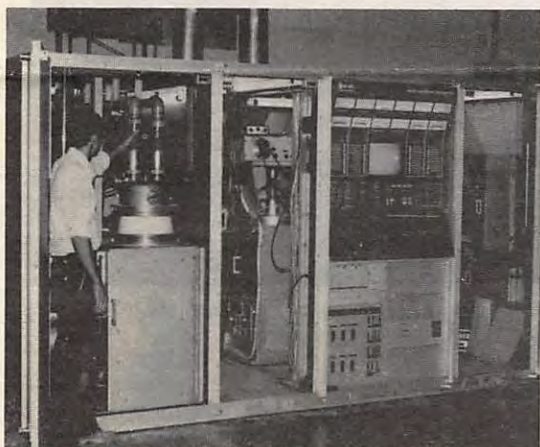


INTERNATIONAL

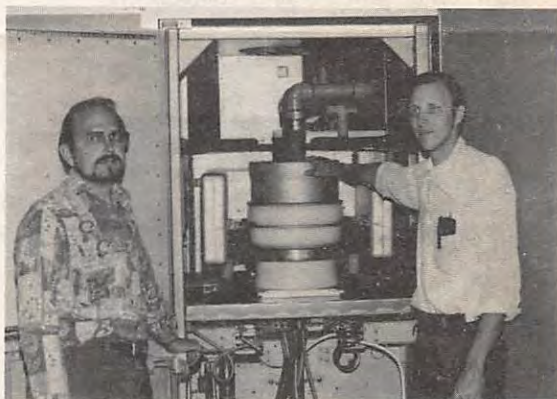
Vol. 8, No. 3

March 1981

TRANSMITTER READY FOR INAUGURAL BROADCASTS



Front view of transmitter with panels removed



*Don Spragg and Rick Riggs checking
500-kW final amplifier*

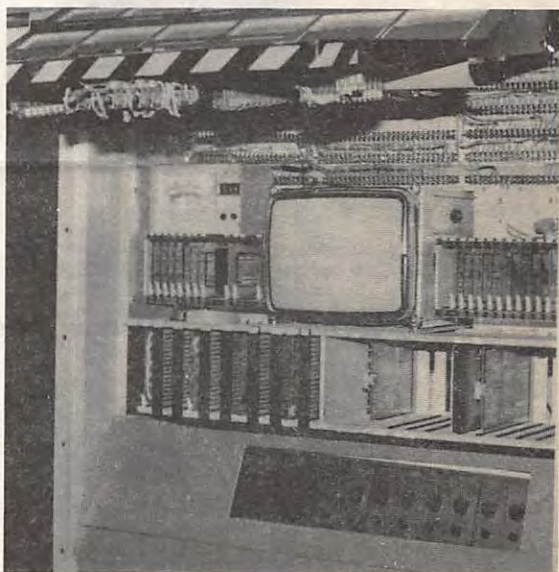
From time to time we have included reports on the progress of HCJB's new 500-kW shortwave transmitter. This month we are including several pictures of the transmitter as it was being installed and tested at our transmitter site near Pifo. We don't know of any better way to let you see the progress that is being made. On February 18th, the transmitter was officially dedicated for the purpose of broadcasting the Gospel of Jesus Christ around the world.

Beginning in March, the transmitter will be included in our regular schedule of broadcasting. During the months of March and April the 500-kW transmitter is expected to be on the air as follows:

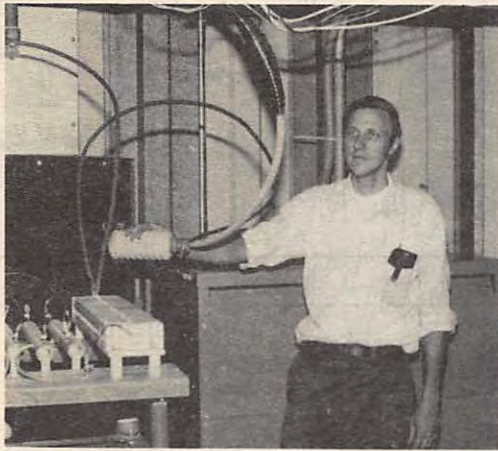
0030-0230 English programs on 15155 kHz
beamed to North and South America

0230-0530 Russian programs on 11835 kHz
beamed to Europe

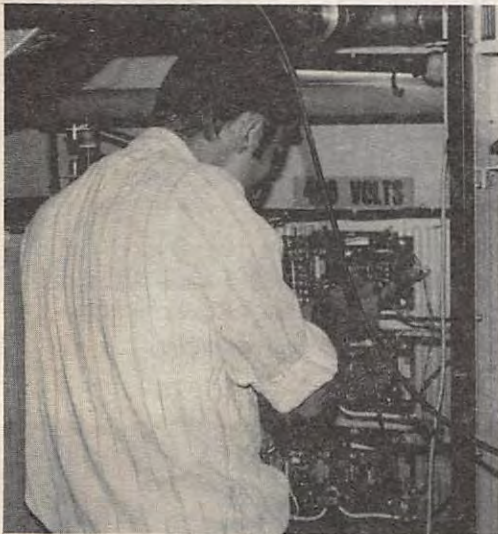
0930-1130 Spanish programs on 11955 kHz
beamed to North and South America



*Transmitter control with the meter panel raised
to permit access to printed-circuit
boards and wiring terminals*



High-voltage power supply components



Checking out the low-level audio circuits

On future schedules we anticipate an increase in the daily hours of transmission from this new powerful transmitter. Reports of reception will be welcomed by our engineers. Tune in and let us know how reception is in your location. You can be of help to us in this way.



500-kW transmitter control panel



Rick Riggs checks the two modulator tubes

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 bimonthly to all members.



International Program Director — David Manney
 English Program Director — Richard Lemon
 ANDEX Executive Director — Clayton Howard

Address all mail to: ANDEX International
 Casilla 691
 Quito, Ecuador

DXer OF THE MONTH

DXing is a hobby that attracts people of all kinds. It is a universal hobby that can be enjoyed by anyone, anywhere. The only requirements are the possession of a shortwave receiver, old or new, and a desire to know what is going on around the world. This month we want to introduce our ANDEX members to one of our younger DXers. Alastair Ross is fifteen years old and has been touring the world via shortwave radio for nearly



Alastair Ross with his two DXing receivers

five years. He is an example of the fact that DXing is a hobby for the young as well as the old. Two of his favorite stations are Christian broadcasters, HCJB and WYFR.

Alastair lives in a very interesting village in north-eastern Scotland. The village of Findochty is situated right on the coast and has a population of about 1,000 people. He sent us a booklet giving a short history of Findochty which made fascinating reading. I wish we had space to tell more of the interesting details. Located right on the coast, it is not surprising that fishing and boat building play a large part in the history. There is a small harbor, but this is now used only for pleasure craft. Three beaches mean a lot of fun during the summer months. To add to the romantic aspects of the village, there is even a ruined castle on the outskirts. Of even greater importance to Alastair, Findochty is a good spot for shortwave listening.

When Alastair joined ANDEX two years ago, he was using an older Grundig Satellit 5000 receiver. Since then he has added a more up-to-date Yaesu FRG-7. This gives him the advantage of owning two good DXing receivers. He has been using a random-wire antenna but plans to construct a better sky wire in the near future. Alastair is ANDEX No. 3236.

Since Alastair is still a student, his hours for DXing are limited. He averages about two hours a day at his listening post. The usual hours are between 1800 and 2100 GMT. He heard HCJB for the first time back in 1977 and has been a regular listener ever since. Of course his favorite program is DX Party Line.

After joining ANDEX, Alastair has also become a member of some other clubs. These include SPEEDX, the BBC World Radio Club, and The

Radio Society of Great Britain. Shortwave listening isn't the only interest in Alastair's life, however. He also enjoys sports, especially golfing. Golf should be a natural interest for him since the game, as we know it today, originated in Scotland. However, it was played with a leather-covered ball stuffed with feathers. The present rubber ball was invented in the United States in 1899. We wonder if Alastair has ever played a game on the original golf course?

Our congratulations go to Alastair Ross on being selected DXer of the Month for March. You have the best wishes of all the ANDEX members for many pleasant and successful years ahead.

WHAT'S AHEAD?

Part 2

Among the advances that are now being developed in European, Japanese, and American laboratories is an electronic device that will locate a station when it starts a particular transmission. For example, it might tune automatically to any station transmitting news. This can be done by using programmed integrated circuits. It would function in the following manner. A special high-frequency tone would be transmitted along with the regular program and this would give information concerning the type of program being broadcast. Such a signal would be recognized instantly by the receiver. To prevent confusion among the many languages used, an international agreement could be made to identify the language being used. A frequency of 20,000 Hz might be Spanish, 21,000 Hz English, and other frequencies would include all the major languages in common use. On one of the receivers of the future a switch could be set to the language desired and another to the type of program. The fantastic receiver would then search the bands until it finds a station suitable to the listeners' needs at the moment.

Engineers assure us that on radios of 1989 will be no movable dials. All the mechanisms will be operated by electronic switches or sensors such as are now common on TV sets. It is also certain that the International Conference on Radio (WARC '79) held in Geneva, Switzerland, in 1979 had a great influence on the popularity of shortwave radio for the coming years. At present, DXers have to become true wizards or magicians as they hunt out the desired stations among the noises and interference. If the Geneva Conference has the success that DXers hope for, we should see a large decrease in these problems in the coming years. The shortwave bands will be much

wider. There will be more space for the many stations with less interaction than at present. Let's not have too many illusions and hopes. Then, we'll be more surprised and delighted when some of these advances actually take place.

The future of shortwave listening is really in the hands of the listeners themselves. What we really need to do is to return to the true basics of DXing. We need to listen with interest to the many stations and benefit from the valuable programs now available. Progress and changes are inevitable. More sophisticated receiving equipment is bound to come. However, don't let that keep you from buying and enjoying the best that is on the market today. The shortwave receivers being produced today are marvels of engineering genius and will serve you well, not only for the present, but for many years to come!

1981 QSL CARD SERIES



Dr. & Mrs. Clarence W. Jones during a recent visit

The QSL cards being offered by HCJB during 1981 are designed to tie in with our 50th Anniversary. A series of six cards will be available during the year, each for a period of two months. This is an attractive series of cards featuring the contrast between the old and the new. Each card features two pictures. In the upper left-hand corner is an old picture showing some of the staff and equipment from the early days. In the lower right-hand corner is a full-color picture showing HCJB today. You'll want to add this complete set of cards to your collection.

The QSL card offered during January and February of 1981 includes a picture of Dr. and Mrs. Clarence W. Jones as they arrived in Quito nearly fifty years ago with three of their children. The old airplane looks very impressive! Many ANDEX members have already received this card so we thought it would be of interest to include an-

other picture of Dr. and Mrs. Jones in Quito. In November, 1980, they returned for a stay of several weeks to participate in some of the opening events connected with HCJB's 50th Anniversary. They are pictured as they stood in front of a beautiful rug that was woven with the HCJB 50th Anniversary logo.

If you missed our first card for 1981, you can obtain a copy by sending a reception report and specifying this particular card. Be sure you include the following five items in your report and we will send you the card with full-data confirmation. As an ANDEX member the card will be included with your next club mailing.

1. Date you heard HCJB
2. Time in GMT
3. Frequency you listened to in kilohertz
4. Name of the program, or programs, you heard
5. Some details of program content over a period of at least fifteen minutes

SCIENCE SPEAKS

Doctors who have achieved professional recognition in their specialties are respected by those who have physical problems. Their opinions are highly valued when medical treatment is required. People are willing to pay a high price for their recommendations based on years of experience. Dr. J. Lawton Smith, M.D., is a well-known ophthalmologist who has served as associate professor of ophthalmology, associate professor of neurosurgery, and assistant professor of neurology at the University of Miami School of Medicine in Florida. Dr. Smith has this to say about his personal Christian faith.

"For the scientist seeking to understand faith in the Lord Jesus Christ, two illustrations are furnished by radio and television. The only way the existence of electronic waves can be detected is by their effects on a receiver. Similarly, although Jesus Christ cannot now be detected by our physical senses, his effects can be heard and seen when a man truly accepts Christ in his heart.

You can prove the reality of Jesus Christ by experiment, by following his own words, 'Shake off your complacency and repent. See, I stand knocking at the door. If anyone listens to my voice and opens the door, I will go into his house and dine with him, and he with me.' The experimenter should get down on his knees and pray for the Lord Jesus Christ to forgive his sins, and to prove Himself beyond any doubt in the individual's own experience."