

# ANDEX

International



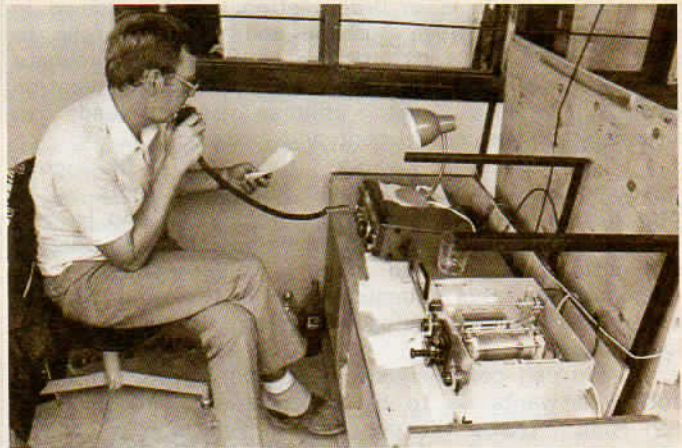
## EARTHQUAKE

Radio communication played an important part in the violent earthquake which rocked northeastern Ecuador late Thursday night, March 5.

The quake, which measured 6.8 on the Richter scale, killed thousands of people and left 75,000 homeless. Its epicenter was near Mt. Reventador, an active volcano surrounded by remote jungle about 55 miles east of Quito, Ecuador's capital city.

Mats Gunnarsson, a Covenant Church missionary from Sweden and the former director of HCJB's Nordic Language Service, lives at Santa Rosa, a small town about 20 miles from Mt. Reventador. Mats was in Santa Rosa at the small Christian medium-wave station he oversees when the quake struck. The station, HCRI-Radio Inter-Oceanica, was destroyed although all the station's equipment was saved. At the time of going to print, HCRI's transmitter is at HCJB's transmitter site undergoing modification to broadcast on shortwave.

Being an amateur radio operator, Mats immediately set to work and provided the outside world with constant updates on the quake and reports of the immediate damage. Our English newsroom was able to obtain up-to-the-minute reports on events through this channel. The English director of HCJB, Glen Volkhardt, himself a ham, brought his transceiver into the newsroom and a number of reports were recorded and used on our English and Spanish newscasts.



*Mats Gunnarsson relaying messages from Santa Rosa*

As well as providing news stories of the catastrophe, Mats also relayed messages to the families of those affected. Messages such as "To the Lopez family of Ambato: Your daughter and her two oldest children are alive. However, her husband and youngest child were swept away in a mudslide." were relayed via the ham radio to various parts of Ecuador and carried on HCJB local radio for many days following the quake.

In order to file firsthand reports of the devastation of the earthquake, Glen Volkhardt flew over the area and Brian Seeley, HCJB's English Language Service news director, visited Santa Rosa by vehicle. These reports, plus those of others who had been to the area, were used in our newscasts and on special reports featured on PASSPORT.

Larry Buckman of HCJB's TV staff was the first HCJB missionary on the scene as he delivered a large tent to Santa Rosa, where many of the quake's survivors had gathered. The tent, provided by OMS International, gave much needed shelter to 350 homeless survivors. Since then evangelical churches throughout Ecuador have sent money plus truck loads of clothing, food and medicine to the area.

Upon returning to Quito, Larry reported some of the tragic stories of the survivors. A fruit grower from the nearby village of San Carlos said a landslide

*continued on page 5*



*Quake damage to Radio Station HCRI, Santa Rosa*



# Person to Person



Brent Allred,  
ANDEX Interim Director

Communication. It's what radio is all about--the communication of a message to a listener via the radio waves. The importance of accurate and fast communication was demonstrated in the recent Ecuadorian earthquake that is reported elsewhere in this bulletin. Families needed to know if their loved ones were safe. The rest of Ecuador and the world needed to know what the exact situation was. Radio provided that communication.

Good communication is as vital in personal relationships as it is in broadcasting. A breakdown in communication between husband and wife can lead to marital problems and ultimately to an unfortunate breakdown in that marriage. Poor communication between parents and children can lead to misunderstandings, resentment and mistrust.

Our Creator wants there to be good communication between us and Him. He wants us to enter into a personal relationship with Him, and He has provided the line of communication for that relationship to function. It's called prayer. Like amateur radio communication, this communication is two-way. Prayer is a conversation--a dialogue between us and God, and God and us.

You can communicate with God at any time. In fact, God wants us to be in constant communication with Him. That's the only way a relationship can be maintained and developed. Whatever your situation, whatever your need in life, open that line of communication with God who wants to enter into a relationship with you.

P.S. As was mentioned in the last ANDEX bulletin, I am filling in as director of ANDEX while Doris Hastings and her husband are in the United States for several months. I am looking forward to this new responsibility, and I hope that I will be able to maintain the high standard that Doris has set before me. I have some new ideas to incorporate into the bulletin (some of them you have before you), and I hope that these and our regular features will contribute to making ANDEX helpful and enjoyable to you.

**THE ROAD TO VERIFYING 100 COUNTRIES** can be a long one. Now there's some help...in the form of How to Log 100 Countries on Shortwave Broadcast...a new Tiare publication designed to help those who haven't yet done so. The booklet includes tips on hearing the 100 easiest countries and a 10-page log to enter receptions as they are made. The booklet is priced at \$5 (U.S.) plus 75 cents mailing and handling and is available from Tiare Publications, P.O. Box 493, Lake Geneva WI 53147, U.S.A.

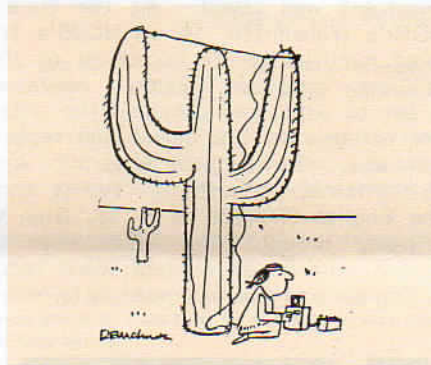
## NEW HCJB ANTENNA

Tuesday, March 3, saw the commissioning into service of a new antenna at HCJB's Pifo antenna complex. The new antenna, designed by Don Hastings, replaces an older one used to broadcast with 250 kw north and south simultaneously. The newly commissioned antenna increases power capacity to 500 kw either north or south or to both simultaneously at 500 kw.

The towers supporting this antenna are 96 meters tall. The south side of the antenna consists of a curtain array six dipoles high and two wide. Each dipole is the folded type consisting of a cage of wires just under a half-wave long. The caged configuration provides a greater frequency bandwidth than a simple dipole. The beam from the south side is aimed at 125° toward south Brazil and its 50° beamwidth gives coverage from the Amazon Basin across the continent into Argentina. When utilizing its full capacity of 500 kw, this antenna will give four times more signal power than the antenna it replaces.

The north side of the antenna is aimed at 330° over Denver, Colorado, and provides for good coverage over the western half of North America, with the possibility of also providing good coverage for Japan and China. This side of the antenna is four dipoles high and two wide, and provides for two times more signal power than the antenna it replaces. When using 500 kw of transmitted power it should provide a signal 10 times greater than the 100 kw used on the previous antenna. However, at this stage a 500 kw transmitter is not available for the north side.

Transmissions from the south side of the antenna commenced March 1, with the north side becoming operational early May. The antenna is used on the 25 and 31 meter bands.



### WHAT DID THEY SAY?????

Recently our newsroom experienced some hiccups on our Reuters wire service. A report came in with the heading "Britain tells Saudi Arabia it will not renew ties with Syria." Here is the message that followed:

LONDON, MARCH 25, REUTER - ?4858'# 19438&. '3:435-46 '84 &39!1436 #923 59)\$ #8' '7\$8 -4- ?8-. :97.5340-45. BRITISH OFFICIALS SAID.

One wonders what was actually said! Maybe it was all in diplomatic code!

**CORRECTION TO LAST BULLETIN:** Paul Lee's "Amateur Radio Vertical Handbook" is available from CQ Publishing Co., 76 N. Broadway, Hicksville, NY 11801, U.S.A. for \$9.95 (U.S.) plus \$2.00 postage.





## HRRI - SANI RADIO

A recent addition to the Latin airwaves from Honduras is HRRI-Sani Radio. The station began operations on August 25, 1986, and can be heard on 4755 kHz. They operate a 10 kw Sintronic SI-A-10 transmitter, with a 30-meter dipole antenna, in the town of Puerto Lempira (15.16N/83.46W). Their administrative and operations center is in the coastal town of La Ceiba. Puerto Lempira, with a population of 2000, and La Ceiba, with a population of nearly 60,000, are the departmental capitals of Gracias a Dios and Atlantida.

The name "Sani" comes from a Miskito Indian word for the "majao" vine which is native to the area and is an important source of string. Many years ago the children of the area invented a game to imitate the missionary radio services whereby they made their own "radios" by connecting two dried coconut halves with a stretched piece of sani string. These were the first "sani radios."

HRRI's purpose is to provide bilingual (Spanish/Miskito) educational and public service broadcasts to the Miskito Indian population of the area. They are on the air daily from 6-10 a.m. and from 4-8 p.m. local time (1200-1600, and 2000-0200 UTC). Every Thursday evening from 0000-0100 UTC international letters are read over the air.

The address of HRRI is Apdo. Postal No. 113, La Ceiba, Atlantida, HONDURAS.

(Courtesy of SPEEDX magazine and Harold Levison)



According to a recent broadcast, **RADIO SURINAM INTERNATIONAL** plans to add a Spanish news service in the second half of this year, and in the near future the station's only news service will be in Spanish. All programming from Radio Surinam is pre-recorded (including news) and is sent from its Paramaribo studio by telephone line to Radiobras in Brazil about one hour before the program is broadcast via that station's transmitters. Radio Surinam International is relayed by Radiobras on 17755 kHz weekdays from 1700-1745 UTC. At present the broadcast is in Dutch and English.

(WBI 11/87)



## RADIO NANDUTI TO RESUME BROADCASTING

Paraguay's main independent radio station, Radio Nanduti, will be back on the air April 14 following a 90-day suspension ordered by the station's director, Humberto Rubin. Radio Nanduti suspended its broadcasts because of jamming of its commercials and other programs. The jamming caused the station's economic collapse and put 50 employees out of work.

Radio Nanduti's problems began after it started broadcasting programs with a political and social emphasis, sometimes featuring opposition politicians. Almost a quarter of the country's population was listening to the morning talk show when it was cut off the air in May 1986. Problems with government officials began escalating in 1983 as the station became bolder and as more Paraguayans started tuning in. President Stroessner's press secretary issued a list of politicians and topics that could not be aired. The station was later closed by the government for 30 days.

Humberto Rubin announced the suspension of the station's broadcasts when he called on the government to identify the jamming and to end it. The news department of Radio Nanduti has been working throughout the 90-day suspension period drafting daily reports and conducting interviews.

(WBI 11/87)

## SCHEDULES

### ARGENTINA - RAE

0100-0200	EE	11710, 9690	NA/SA
0400-0500	EE	" "	" "
1745-1845	EE	15345	EU/AF
2100-2200	EE	" "	" (Mon-Fri)
2100-2200	EE	15345, 9690	EU/AF/NA (Sat,Sun)

(WBI 12/12)

### DOMINICAN REPUBLIC - R. Discovery

0000-0400	EE/SS	6245	Tue-Sat
1800-0000	EE/SS	15045	Sat

(Falkenhan, NASWA Listeners Notebook)

### CLANDESTINE: R. Venceremos

Radio Venceremos, which broadcasts programs hostile to El Salvador on behalf of the Farabundo Marti Liberation Front, was found at 1830 UTC on March 2, 1987, on 6836 and 6596 kHz. Both frequencies were in parallel and continued until the station signed off at 1935 UTC. Radio Venceremos announces that it broadcasts on two SW frequencies in the 40 and 80 meter bands and is often observed in parallel on both 3 and 6 MHz frequencies.

(WBI 3/6)

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# Special DXers



**John P. Corea**

Radio is an important part of the life of our Special DXer from the Republic of Korea - **KWON OH-TACK**.

Kwon, ANDEX No. 4753, is the president of the Korean SWL Association. He is also a shortwave feature writer for three Korean monthly magazines, a technical monitor for Radio Prague, Radio Budapest, Radio Bucharest, KTWR, and WYFR, a technical representative for the Voice of Free China, and an import/export officer for communication and electronic equipment.

Kwon began his SWLing hobby in 1965. He currently uses a wide variety of equipment, as can be seen in his photo. This equipment includes R390A and R388/UR receivers, a CB transceiver, an Apple computer, and reel-to-reel and cassette recorders. Kwon's antenna system is also quite impressive, including a 7, 14 and 21 MHz cubical quad, a 2-30 MHz whip antenna, and 11 MHz dipole, and a 9 MHz loop antenna.

Kwon is 39 years old and is married with two sons. He and his family live in the beautiful Korean capital of Seoul, and his address is CPO Box 1637 Central, Seoul 100, KOREA.

Congratulations Kwon Oh-Tack on being chosen our Special Dixer. Good listening and continued success in your radio-related activities.

"Shortwave is my window to the world," writes **JOHN P. COREA**, ANDEX No. 5585, our Special DXer from the United States of America.

John, a 29-year-old electronics technician, lives at 1733 K Street, West Belmar, NJ 07719. Like many of us, John began listening to shortwave at an early age. When he was 10 years old John's mother bought him an inexpensive shortwave radio. "The first station I heard when I turned that radio on was HCJB, and I have been listening off and on ever since," writes John. "Shortwave is what got me interested in electronics and led me to my profession as a technician."

Currently John is using a Sony ICF-2001 and a Realistic DX-150A, and to help pull in stations on those receivers he uses a 120-ft end-fed antenna, about 20 feet off the ground. Other equipment includes a homebrew antenna tuner and preamp, a Hammerlund HQ170, and a Radio Shack TR5-80 computer.

Besides SWLing and DXing, John is interested in stamp collecting, tapesponding, and electronic circuit design and construction. John is also an amateur radio operator (advanced class) operating with the call WD2AHP.

So congratulations, John, on being chosen our Special DXer from the U.S.A.



**Kwon Oh-Tack**



# andexing

**NEW QSL PROCEDURE:** Over recent weeks the English Language Service of HCJB has been investigating ways that we can cut escalating postage costs but at the same time not hinder our services to you our listeners. Our problem is that the Ecuadorian postal regulation results in tripling cost for outgoing envelopes which exceed 20 grams. As we looked into this, we realized that it was costing us more to send QSL's with the ANDEX bulletin than it would if we were to send them separately. So in our attempt to cut our postage expenses, we are going to be able to offer a better service to our ANDEX members. We will now verify your reception reports as we receive them. However, we ask you not to abuse this new system. We will verify no more than one batch of reception reports each month.

Just a reminder of our **NEW RENEWAL PROCEDURES.** If your address label with which you received this bulletin indicates that your membership is due to be renewed, please cut the label from the envelope and send it with the appropriate fee to the address listed elsewhere in this bulletin. Be sure to check your address on the label and correct it if necessary.

Life—Without God

"Life's but a walking shadow, a poor player  
That struts and frets his hour upon the  
stage,  
And then is heard no more; it is a tale  
Told by an idiot, full of sound and fury,  
Signifying nothing."

—Shakespeare, MacBeth

## **EARTHQUAKE** continued

entombed at least 30 persons in his community. "The land was like a trampoline," he said. "Then the river rose, the earth lifted up and broke."

HCJB sent a mobile medical clinic to Santa Rosa within three days after the quake to provide emergency medical care to hundreds of victims who managed to reach the village. Help also came from the Ecuadorian military, government health services, the Red Cross and a number of foreign government and relief agencies.

In their despair many have openly received the gospel after being closed to spiritual matters for many years. HCJB's mobile medical clinic crew showed gospel films in the evenings. Al McElheran of the clinic team said he was surprised that HCJB was invited to show films in nearby Borja. "This is the place where they recently stoned evangelicals!"

**1987 QSL's:** This year our QSL's at HCJB feature tourism in Ecuador. Every two months we will offer a different QSL in this attractive series. Back issues will be available on request as stock lasts. However, it will not be possible to request the cards before the month they are offered. The cards feature color photographs of the following:

- A. The Equatorial Monument
- B. The Beaches of Ecuador
- C. The Castle of Ingapirca
- D. The Flotel in the Oriente
- E. Chimborazo Mountain
- F. The Galapagos Islands

**ATTENTION STAMP COLLECTORS:** HCJB has a limited supply left of the popular First Day Covers featuring the three stamps issued by the Ecuadorian government to mark the 50th anniversary of this mission/radio station. The cost of this F.D.C. is \$3.50 (U.S.) postpaid. We can also supply used world stamps at 3 cents each. These are available in any category you require. Send your order and check/money order (U.S. dollars or the equivalent in your country's currency - **NO CASH PLEASE**) to Pris Wagoner, HCJB, Box 691, Quito, Ecuador, South America.

## **SPONSOR A MEMBER**

You may not be aware of this, but it is illegal to send money or unused stamps out of Eastern Bloc countries. It is also impossible to purchase International Reply Coupons. For this reason, when a listener in the Eastern Bloc writes to ask if he or she can join ANDEX, we ask them to send us some cash-redeemable item equivalent to the regular membership fee. But as you can understand, this is not always possible.

We want ANDEX to be an international club, and do not want to prohibit certain listeners from joining because of the restrictions that their governments place on them. What then do we do?

We have come up with a system whereby **YOU** can help. We would like to foster a sponsorship program whereby members in the west sponsor a member in the Eastern Bloc. To do this, all you have to do is send in an extra membership with your own when you renew, or you can send a gift-subscription at any other time. It does not even have to be a full subscription. You can just send fees for a partial membership, and we will combine these into one. We will then send the name of the person you are sponsoring to you and your name to the other person. And we will acknowledge your sponsorship in the ANDEX bulletin.

Many listeners in countries such as East Germany and Hungary would like to join ANDEX, but in most cases are unable to. They would be very grateful if you would become a part of this sponsorship program.



# PROFILE: Marian Houghton



Stan & Marian Houghton

Back in 1950 Marian Houghton came to Ecuador to serve as a single missionary with Gospel Missionary Union (GMU). Later that year she married GMU missionary Stan Houghton, and they worked among the highland Indians for 28 years. They left Ecuador in 1978, but came back in 1985 with HCJB, Stan working as Pifo Operations Director and Marian doing office work for ANDEX and engineering.

They have four children, all raised in Ecuador and now married, living in the state of Washington, U.S.A. The Houghtons have six grandchildren. Marian comes from Manitoba, Canada, and Stan from the state of Washington.

ANDEX members who have old HCJB QSL's should check the 1974 mountain series. Stan is the mountain climber pictured on the Mt. Illiniza card, and son Jack is on the Cotopaxi card.

Marian and Stan plan to leave for Home Ministry Assignment in August. We want to say a big THANKS to Marian for handling new members, renewals and various odds and ends for ANDEX for the last two years.



**MALCOLM ELDRIDGE** - 7863 Fall Creek Road, Indianapolis, Indiana 46256, U.S.A. - ANDEX 5621 - 42 years old, would like to tapespond with someone from Ecuador. Interests are shortwave radio, Christian radio programs, and the country of Ecuador.

**KELLY VAN BUSHIRK** - 9217 Capricorn Court, Burke, Virginia 22016, U.S.A. - ANDEX 5631 - 15 years old - would like pen pals of any age from anywhere in the world. Hobbies include travel, flying, horseback riding, and learning languages. Speaks English and is learning Spanish and Russian.

**DIRK JACOBS** - Moerkerksesteenweg 275, 8310 Brugge 3 - St. Kruis, BELGIUM - ANDEX 5855 - 16-year-old student, would like pen pals from anywhere in the world. Interests include DXing and gathering information, newspapers and magazines from all over the world.

FEES FOR ANDEX MEMBERSHIP MAY BE PAID IN THE CURRENCY OF THE COUNTRIES BELOW BY SENDING TO THE ADDRESS GIVEN:

<b>AUSTRALIA</b>	<b>\$7.00</b>	HCJB-ANDEX, GPO Box 691, Melbourne, Vic 3001, Australia
<b>CANADA</b>	<b>\$8.00</b>	HCJB-ANDEX, 2110 Argentia Rd., Mississauga, Ontario, Canada L5N 2K7
<b>FINLAND</b>	<b>FIM 35</b>	Send fee to: Radio HCJB, Helsingin to the Sp/Helsingfors Sb, 405506-09630716. bank Send application form to: Radio HCJB, PL-101, 15111 Lahti, Finland
<b>ITALY</b>	<b>L8.500</b>	HCJB-ANDEX, Via Cavallotti, 16, 41043 Formigine (Modena), Italy
<b>JAMAICA</b>	<b>J\$25</b>	HCJB-ANDEX, Jamaica Office, P.O. Box 31, Kingston 6, Jamaica
<b>NEW ZEALAND</b>	<b>\$12.50</b>	HCJB-ANDEX, P.O. Box 82-296, Highland Park, Auckland, New Zealand
<b>SWEDEN</b>	<b>Equivalent of \$5.50 USA dollars</b>	Fees to: Postgiro 68 06 80-6 OR to Bank giro 332-4407. Send application form to: Radio HCJB, Box 110, 542 01 Mariestad. Check the current exchange at your bank to determine the fee.
<b>SWITZERLAND</b>	<b>Fr. 15</b>	Send Fees through the postal system to: Radio HCJB-Schweizer Arbeitszweig, Mannedorf, P.C. Glarus 87-3468. Send application form to: Radio HCJB-Schweizer Arbeitszweig, Postf. 119, 8708 Mannedorf.
<b>UNITED KINGDOM</b>	<b>4 pounds 50 pence</b>	HCJB-ANDEX, 131 Grattan Rd., Bradford, West Yorkshire, England, BD1 2HS. OR send to Post Office giro account 64 472 4404 by using a transfer form from a members Girobank account or using the "Transcash" service available at all post offices in the U.K.
<b>U.S.A.</b>	<b>\$5.50</b>	HCJB-ANDEX, P.O. Box 553000, Opa Locka (Miami), Florida 33055-0401
<b>WEST GERMANY</b>	<b>DM 15</b>	Margot Stegmiller, Hebelstr. 32, D-6908 Wiesloch, Federal Republic of Germany
<b>AFRICAN COUNTRIES:</b>		The applicant must send something ANDEX can redeem for at least \$3.00 (U.S.A.), such as stamps or currency of the country.

If you live anywhere else, remit \$5.50 (U.S.A. dollars) to: HCJB-ANDEX, P.O. Box 553000, Opa Locka (Miami) Florida 33055-0401.

European members who do not have a local office can use the United Kingdom post office giro account by sending the equivalent of four pounds and fifty pence.



ANDEX International



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ANDEX Interim Director - Brent Allred  
DX Partyline Host - John Beck  
ADDRESS MAIL (NO funds) to: ANDEX International,  
Casilla 691, Quito, Ecuador