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# ANDEX INTERNATIONAL Vol. 15, No. 3 Aug-Sept 1988

## Ecuador in the Olympics

**H**umble beginnings did not keep Rolando Vera from some of the highest decorations Ecuador can give. To the contrary, the severity of his growing up years contributed much to his present position as national hero.

Rolando is a runner and plans to compete in the Summer Olympics in Seoul, South Korea, in the 3,000-, 5,000- and 10,000-meter races. Slightly over five feet tall, weighing a little more than 100 pounds, 23-year-old Rolando comes from the southern Ecuadorian city of Cuenca.

His mother recalls that at first Rolando loved soccer and thought the racetrack was boring. When he was 12 years old, however, he entered a race among local schools, and to everyone's amazement he won. Four years ago he entered a Quito marathon sponsored by Quito's major newspaper, *El Comercio*, and won again. This attracted sponsors and a private trainer started to work with him. He has been winning races in various countries ever since, including two victories in the prestigious San Silvestre races in São Paulo, Brazil. Upon returning from one of these victories, Rolando was given a hero's welcome by the people of Ecuador, and the president of Ecuador and mayor of Quito presented him with highly esteemed awards.

Competitors in the June 1988 Quito marathon included top runners from Ecuador, Colombia, Mexico, Iceland and Chile. Rolando was the favorite. Bystanders crowded the more than 13 kilometer (eight-mile) course, cheering, encouraging, offering orange pieces or water if the racers wanted to take the time for it. The streets of Quito were roped off for the event, which began at the south end of the city, continued up some rather steep inclines through the colonial sections, and eventually wound through more modern streets to the large Atahualpa Sports Stadium.

Rolando and Gerardo Alcada from Mexico were running dead even until they reached the steep hills. There Rolando moved ahead. At the top of the hill some well-wishers tried to toss some fresh water on him, but somehow his feet slipped and he stumbled and fell onto the pavement. This had happened in one of the Brazilian races too--another racer had tripped him--but he got up and won the race. He did the same this day in Quito, continuing on to easily win the race in 42 minutes 18 seconds, an even better time than his previous victory in the Quito event. The crowds waiting for him at the finish went wild with joy and excitement.



*The rejoicing winners: Rolando Vera and Soledad Villamarin Nieto raise their arms in victory.*

Rolando's friendly, yet serious, unimposing manner appeals to the crowds. He is a hero to many young, impoverished boys. They like to run alongside him when they can, and they encourage and cheer him on, becoming an inspiration that urges him to victory. Now that he is well known he influences these young people by teaching them the importance of a balanced diet through spot announcements on TV.

In Third World countries training and performing as an athlete comes more easily to the wealthy. Yet Rolando comes from a poor family. His father earned a living laying bricks at construction sites. About 12 years ago he was killed in a construction accident, leaving Rolando's mother with six young children to support. The widow laundered clothes for neighbors and tried to market a few items. In this way she managed to provide food and clothing and some education for the children.

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# Person to Person



John Beck  
DX Partyline Host

Once every four years we watch the best of the world's top athletes compete for the gold in the Summer Olympics. All of the elements of human drama and conflict are here as men and women compete against others, against nature and against themselves. Countless stories, both historical and fictitious, have had their foundations in this world event. You can be sure that we will be watching to see how athletes from all of the countries in the world fare.

The writer of the book of Hebrews in the Bible had the track event of running in mind as he penned the words, "...let us throw off everything that hinders and the sin that so easily entangles, and let us run with perseverance the race marked out for us" (Hebrews 12:1). The apostle Paul used the analogy of a footrace several times in his writings: "Do you not know that in a race all the runners run, but only one gets the prize? Run in such a way as to get the prize. Everyone who competes in the games goes into strict training. They do it to get a crown of laurel that will not last; but we do it to get a crown that will last forever. Therefore, I do not run like a man running aimlessly; I do not fight like a man shadow boxing. No, I beat my body and make it my slave so that after I have preached to others, I myself will not be disqualified for the prize" (1 Corinthians 9:24-27).

At the end of Paul's life, he was able to write, "...I have finished the race, I have kept the faith. Now there is in store for me the crown of righteousness, which the Lord, the righteous Judge, will award to me on that day--and not only to me, but also to all who have longed for His appearing." (2 Timothy 4:7-8).

The race of life is not easy, but when we make Jesus Christ our Lord and Savior, He can empower us to finish the race successfully. Otherwise, we will falter and lose. It is our choice. We run with Jesus and win or we lose everything.

## HCJB Notes and Happenings

The Quito School of Broadcasting began with a week of orientation to places of interest in Ecuador on July 18, with 14 students from different countries. Four are from Japan, one from Canada, three from Paraguay (German speaking) and the rest from Germany. Six of our own broadcasters are also upgrading their skill by taking some of these classes. Most of the instruction is in English so some translation is taking place. The school is training people to do quality broadcasting in their own countries--countries that are opening up to private radio stations. Classes run for three months.

## AUDIO FILTERS

The audio frequency (AF) spectrum extends from around 20 hertz (or cycles per second) to 20,000 hertz. In a person with good hearing, the range of sounds that can be heard usually extends from 30 to 16,000 hertz. As one grows older, this reduces to a range of around 50 Hz to 10,000 Hz. With a quality radio receiver we can hear sounds reproduced that extend from around 80 Hz to 7,000 Hz. Unfortunately, within this range come a variety of tones, whistles, squeals, beeps and other types of audio interference, in addition to the signal we wish to hear. This interference can make listening uncomfortable to impossible.

An audio filter is a selective network of resistors and inductors or capacitors that offers comparatively little opposition to certain frequencies while blocking or attenuating others. It is also possible to make an audio filter variable so that it can tune across the entire audio spectrum.

Most audio filters are utilized with existing receivers, eliminating the need for risky modifications. One simply plugs the filter into the receiver's headphone jack and then listens via headphones or sometimes an external speaker.

The audio can be corrected in four basic ways: (1) The removal of a single heterodyne whistle through selective attenuation (sometimes this can be accomplished with an automatic circuit); (2) Narrowing the entire AF band with adjustable filters; (3) Peaking a selectable tone to improve the quality of a CW, RTTY, AMTOR or other data signal; (4) Using a combination of all three.

Quality audio filters usually cost around \$100 (U.S.) Since there are not any extremely critical circuit parts, audio filters can also make nice construction projects.

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Rolando was able to graduate from a military academy and continue with other studies.

The hardships of Rolando's home life, rather than a handicap, seemed to provide a personal strength that is the basis for his success as an athlete. His trainer attributes much of his success to Rolando's humility as a person, saying he is willing to take suggestions and advice. Rolando has a calm, serious temperament, is willing to work hard to overcome obstacles, and is thoroughly dedicated to running. He had no sophisticated area in which to run. He trained on the streets of Quito which are characterized by crumbling cement, pot holes, loose rocks, cobblestones and debris. A great advantage Quito has for runners in training is its altitude--9,500 feet above sea level. The air is thin and over time one's lungs and circulatory system become strong.

The Olympics in Seoul is the next great challenge Rolando Vera faces. We hope he makes it there, and we'll be cheering for him to "bring home the gold."

Adapted from the HCJB program "Happiness Is" with hostess Dolores Baklenko.

## Sponsorship Update

ANDEX would again like to acknowledge the following sponsors to our very popular program. Thank you one and all. Now we are asking those of you who have sponsored a member about a year ago to consider another year of sponsoring this same person. We also have more requests for sponsorships at present than we have sponsors for. If anyone would like to see because we do not have sponsors for them yet.

Gary Boyce, ANDEX 4864, San Gabriel, CA USA

Vic Cason, ANDEX 6193, Tenuca, NEW ZEALAND

Douglas Glenney, ANDEX 4984, Hamilton, CANADA

Ed Janusz, ANDEX 6138, Bricktown, NJ, USA

Harold Koester, ANDEX 5975, Rabenstein/Piel, AUSTRIA

William Muzyka, ANDEX 845, Maspeth, NY, USA

Susan Pugh, ANDEX 6383, Fukuoka, JAPAN

Donna Robinson, ANDEX 5387, Willow Springs, IL, USA

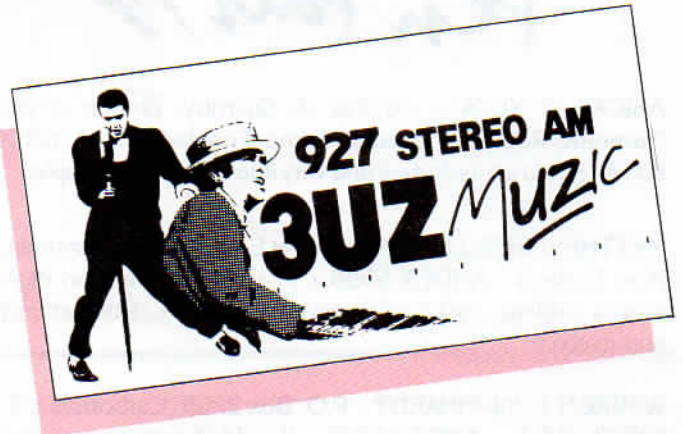
Junichi Sato, ANDEX 3872, Nara, JAPAN

Antonio Skorupa, ANDEX 5216, Mt. Keiro, AUSTRALIA

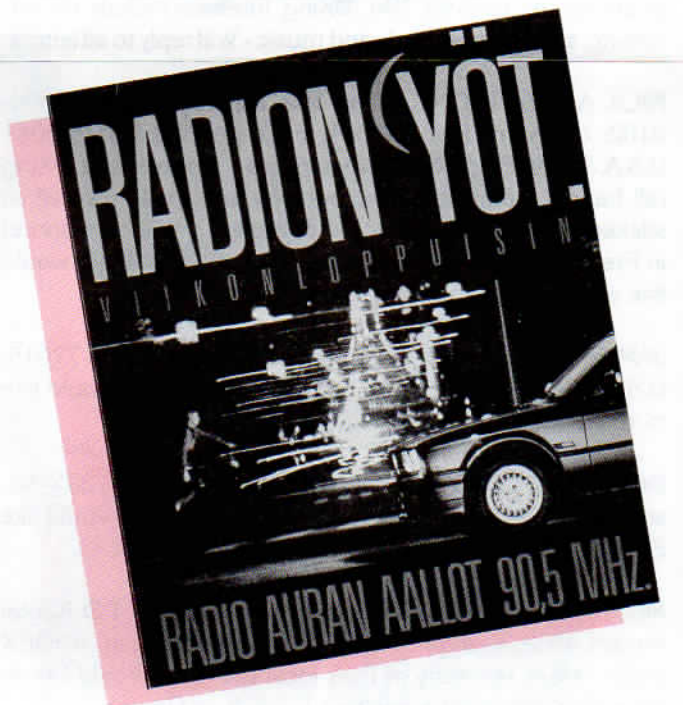
David Solliday, ANDEX 4427, Vega Baja, Puerto Rico



WINNERS ARE: V.G. Taylor, ANDEX 4837 of Belgrade, Australia



Matti Laaksonen, of Paimio Finland



We received entries from about 50 local stations around the world. We chose these two because of the uniqueness and creativeness of the designs. Each of the winners were sent two Ecuadorian wall hangings--one for themselves and one to present to their radio station.

## ANDEX News

As you may be aware, Brent Allred, our director has gone on an eight-month home ministry assignment. He was able to attend the ANARC convention in Los Angeles last month and is now enjoying visiting with his family and friends in New Zealand. In the meantime John Beck is the DX Partyline host and he and Marian Houghton are editing this paper. Marian is the person who does your renewals and new membership certificates as well as the computer work on your addresses.

Doris Hastings, past director and editor, and her husband, Don, a frequent contributor, are returning to the U.S. to settle there permanently in Bristol, Tenn, where Don has a job with an electronics component company. Her able work on the ANDEX bulletin will be greatly missed. We hope to continue to receive some good articles from them from Tennessee way.

# Special DXers



## Kanwarjit Sandhu

**T**he country of India is home to Special DXer Kanwarjit Sandhu, ANDEX 6183. He lives at 408 Krishna Nagar, Ludhiana-141 001, India. The city of Ludhiana is in the center of the northwestern state of Punjab, and is famous throughout the world for its hosiery goods.

Kanwarjit is 34 years old and has been a businessman in the chemical industry for the last 10 years.

He started DXing in 1973 when he tried to tune in Sri Lanka Broadcasting Corporation to hear Hindi film music, but instead heard Swiss Radio International's (then called Swiss Broadcasting Corp.) "Shortwave-Merry-Go-Round" program. From this program he learned about DXing, wrote his first reception report to SBC, and verified his first country, Switzerland. Since then he has verified 161 stations from 109 countries.

His equipment includes a Sony ICF-2001 D, a Sony FH-150 R and a Sony AN-1 active antenna. Kanwarjit belongs to the Worldwide DX Club, Indian DX Club International, Union of Asian DXers, Radio Berlin International and BRT's Listeners' Club, to name just a few.

Kanwarjit lists his other interests as pop music, sports such as cricket and football, driving, traveling and corresponding. He says, "I like this hobby of DXing because through this one can know many other languages, cultures, history and other information, besides getting closer to many other people with the same tastes."

We encourage our readers to join in sending congratulations to Kanwarjit Sandhu for being a Special DXer of ANDEX International.

**A**NDEX 5852 William Blight, from Baltimore, Maryland, describes himself as a "DX hound" with a method for getting distant stations. He tunes to certain bands at specific times. For example he will listen to the 19-meter band between 7 a.m. and 3 p.m. local time, switch to 25 meters at 3 p.m., then to 31 and 49 meters at 5 or 6 p.m. However, breaking this routine sometimes brings results as well. He tuned to 19 meters one night, and there he found Radio Korea, adding another country to his confirmed list. At the time William wrote he had SW confirmations of 26 countries and 10 states in the U.S.A. He owned a total of 54 QSLs and had received 45 stations in all. William notes, "This is good, considering that my equipment is not the greatest."

Besides ANDEX William belongs to the Radio Budapest Shortwave Club and Washington Area DX Association (WADXA), and is a Key monitor for Family Radio.

William is a 19 year old photography major at Dundalk Community College. In his spare time he enjoys taking pictures of landscapes, especially church buildings. To back up his DX hobby he uses a family member's Mosely to listen to ham conversations and hear military and utility stations; a DX100 which he received as a gift; and a Realistic DX 360, the first receiver purchased with his own money. He's looking forward to purchasing a Yaesu 8800. He uses long-wire antennas--two outdoors and one indoors.

His favorite stations are Radio Prague, Radio Sweden, Radio Norway, BRT and Radio Exterior De España. "I also like HCJB, especially DX PARTYLINE and Dr. James Dobson's program," he adds.

William says he is looking for pen pals, and if any ANDEX member wants to know more about Jesus they can write to him about it.

Congratulations, William, on being chosen an ANDEX Special DXer. Write to him at: P.O. Box 6527, Baltimore, MD 21219-1498, U.S.A.



**William Blight**

# New FM Antenna and Site for HCJB-2 in Guayaquil

by DON HASTINGS

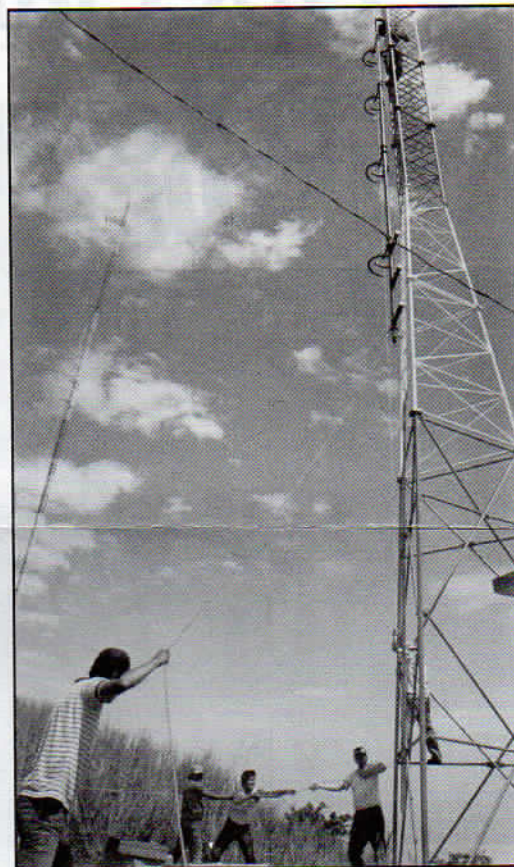
**I**t was raining on the morning of June 23 when Charles Chan and I were driving to the Quito airport. We were on our way to Guayaquil, Ecuador's largest city. I was scheduled to help assemble our new FM antenna there, and Charles was going to take documentary photographs of the new installation. If it was raining at the new antenna and transmitter site our trip might be wasted.

It was a great relief to find at the end of our half-hour flight, that it was not raining in Guayaquil, but was only cloudy and the coolest most pleasant day I'd experienced in that coastal city. We traveled across the city to the 1,000-foot-high ridge where our new transmitter and antenna site for HCJB-2 is located. There we met the rest of the staff who had come down the day before bringing the disassembled antenna and test equipment.

Some of us assembled the antenna while others went to the old HCJB-2 site to bring the 3 kw FM transmitter and coaxial cable to the new site. When the antenna assembly was completed, we hoisted it up the new 100-foot free standing tower with a block and tackle. The antenna weight was rather high and it actually bent the 1 1/2-inch steel pipe boom at the top of the tower. The pipe held long enough for us to mount the antenna to the tower, praise the Lord.

The antenna was hard to properly align on the tower face, so we brought a plank up the tower. Using it as a lever we pried the antenna into position, then cinched down the mounting bracket bolts. The mounting was completed by 2 p.m. and looked pretty good hanging there on the tower.

By this time the transmitter was being installed in the new building, and the coaxial cable to connect it to the antenna was being prepared. The completed cable was first connected from the antenna to the impedance test equipment to check that the antenna was properly matched to our 102.5 MHz FM frequency. The results indicate that the impedance is a little less than 54 ohms which is a very good match to our 50-ohm transmitter.



For several years we had wanted to move to this new site because of poor signal strength from our old site at the edge of the city. The old antenna was mounted on a 300-foot AM radio tower in a low marshy area. Beamed toward the heart of the city, it served reasonably well until the city spread out and new buildings taller than our tower were built.

The new ridge site is more centrally located and high enough to permit good signal coverage of a much wider area than the old; and the new circularly polarized, omnidirectional antenna will broadcast over a wider range as well. It has been estimated that our signal will be three times stronger than before and will reach three times more people.

The new antenna was donated to HCJB by Toccoa Falls College of Toccoa Falls, Ga. We deeply appreciate the school's generosity. Interestingly enough, this antenna is one I helped design years ago when I worked for a commercial company.



# Pen Pals

ABIGAIL TAYLOR - c/o Rev. A. Quimby, Church of the Nazarene, Robinson Circular, Arima, Trinidad, W.I. - ANDEX 6353 - She is a missionary and very interested in all people.

MATTHEW REVELL - 8 High Street East, Waitara, Taranaki, New Zealand - ANDEX 5556 - 17-year-old Christian high school student - Hobbies are swimming, SWL, letter writing and cycling.

WARREN L. MEINHARDT - P.O. Box 2205, Carbondale, IL 62902, U.S.A. - ANDEX 5582 - Would like to correspond with friends in Spain and Latin America, as well as the rest of the world - Besides SWL/DXing, interests include motorcycling, stamps, postcards and music - Will reply to all letters.

NICK A. BEAUMONT - Box 102, Anchorville, MI 48004-0102; U.S.A.; or Box 230061, Fairhaven, MI 48023-0061 U.S.A. - ANDEX 5665 - 34 years old - Hobbies are DXing (all bands), ham radio, photography and music as well as sticker, pennant and postcard collecting - Will correspond in French, German, Russian and Spanish - Especially would like correspondence from Canada.

JAMES LITTON - 202 Sevenhampton, Houston, TX 77015, U.S.A. - ANDEX 6271 - New ANDEX member - Would like to make some new friends.

DON RHODES - 7 Yarraview Rd., Yarra Glen, Vic. 377 Australia - ANDEX 3314 - 51-year-old grandfather. Would like Spanish pen pals, especially from Latin America.

MD. ARI FUL HIQ - Six Banglo House No. 4, PO Kaptai Project 4532, Ramgamati Hill Tracts, Bangladesh. ANDEX 6421 - He is secretary of their local DX club. Would like to have correspondence in either English or German.

SCHAHANARA AYUBI - Horipor mia Para, PO Chapao, Door-gapoor, CNBJ - 6300, North Bengal, Bangladesh - ANDEX 6417 - 20 years old - A student.

FRANCIS ARTHUR - PO Box 120, Prestea, Ghana - ANDEX 5903 - Wants pen pals aged 30 and younger from any country. Hobbies are collecting postcards, traveling and reading.

## Answers to Last Month's Puzzle

- |            |             |
|------------|-------------|
| 1. Liberal | 7. Melodia  |
| 2. America | 8. El Mundo |
| 3. Turismo | 9. Ribamar  |
| 4. Impacto | 10. Illucan |
| 5. Nanduti | 11. Capital |
| 6. Atalaya | 12. Atitlan |

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

<b>AUSTRALIA</b>	A \$6.50	HCB—ANDEX, GPO Box 691, Melbourne, Vic 3001, Australia
<b>CANADA</b>	C \$6.50	HCB—ANDEX, 2110 Argentia Rd., Mississauga, Ontario, Canada L5N 2K7
<b>FINLAND</b>	FIM 25 to the bank	Send fee to: Radio HCB, Helsingin Sp/Helsingfors Sb, 405506-09630716. Send application form to: Radio HCB, PL-101, 15111 Lahti, Finland
<b>ITALY</b>	L 7.000	HCB—ANDEX, Via Cavallotti, 16, 41043 Formigine (Modena), Italy
<b>JAMAICA</b>	J \$25	HCB—ANDEX, Jamaica Office, P.O. Box 31, Kingston 6, Jamaica
<b>NEW ZEALAND</b>	NZ \$10	HCB—ANDEX, P.O. Box 82-296, Highland Park, Auckland, New Zealand
<b>SWEDEN</b>	Equivalent of \$5.00 USA dollars	Fees to: Postgiro 68 06 80-6 OR to bank giro 332-4407. Send application form to: Radio HCB, Box 110, 54201 Mariestad. Check the current exchange at your bank to determine the fee.
<b>SWITZERLAND</b>	SFr. 10	Send Fees through the postal system to: Radio HCB-Schweizer Arbeitszweig, Mannedorf, P.C. Glarus 87-3468. Send application form to: Radio HCB-Schweizer Arbeitszweig, Postf. 119, 8708 Mannedorf
<b>UNITED KINGDOM</b>	3 pounds 75 pence	HCB—ANDEX, 131 Grattan Rd., Bradford, West Yorkshire, England, BD 1 2HS OR send to Post Office giro account 625 2311 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>	US \$5.00	HCB—ANDEX, P.O. Box 553000, Opa Locka (Miami), Florida 33055-0401
<b>WEST GERMANY</b>	DM 12	Margot Stegmiller, Hebelstr. 32, D-6908 Wiesloch, Federal Republic of Germany Account Nr. 2074 15-675 Postgiro Ludwigshafen

### EUROPEAN COUNTRIES WHERE THERE IS NOT A LOCAL OFFICE:

Applicants may use the United Kingdom post office giro account by sending the equivalent of three pounds and 75 pence.

IF YOU LIVE ANYWHERE ELSE, REMIT \$5.00 (U.S.A. dollars) to: HCB-ANDEX, P.O. Box 553000, Opa Locka (Miami), Florida 33055-0401.

APPLICANTS WHO HAVE DIFFICULTY PAYING THE MEMBERSHIP FEE MAY APPLY FOR OUR SPONSORSHIP PROGRAM. THE AMOUNTS LISTED ARE THE FEES FOR A FULL YEAR OF AIRMAIL SERVICE. MAKE CHECKS/MONEY ORDERS PAYABLE TO HCB-ANDEX. INTERNATIONAL REPLY COUPONS MAY BE USED TO PAY THE FEE. WE REQUIRE TEN (10) IRCs PER MEMBERSHIP. UNUSED POSTAGE STAMPS ARE NOT ACCEPTED AS PAYMENT.



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