



ANDEX^{INTERNATIONAL}

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July-August 1991

BRITISH DXers Come to Ecuador



*Our British friends pose at the equator.
(Kneeling, left to right): Mike Burden, Chris Mould, John Downing (Standing, left to right): Denis Bosher, Ken Roberts, Reg Carlisle, Peggy Ganderton, Wendy Carlisle, Dick Ganderton, Geoffrey Rees (Missing from photo: the Steeles and Mike Beardsley)*

It was our pleasure here at HCJB to welcome 10 shortwave listeners and DXers from England and Wales recently. From May 26 to June 9 these folks traveled around Ecuador, getting a taste of Ecuadorian culture, high altitudes, beautiful scenery and how the shortwave bands sound from a country thousands of miles from their own.

The DXers' Tour was organized by HCJB's office in Great Britain together with Britain's *Short Wave Magazine*. Representing HCJB-U.K. on the tour were the Steeles: Andrew, Valerie, Ewan and Ruth, along with Mike Beardsley. Dick and Peggy Ganderton represented *Short Wave Magazine*.

Some of the highlights of the two-week visit included a trip to Radio Interoceánica, a small

Christian shortwave/FM broadcaster located in Ecuador's beautiful cloud forest region. On the way back to Quito, we all relaxed in the hot pools of Papallacta, the volcanically-heated water coming directly from the nearby mountains.

The Cotopaxi DXpedition was another memorable time. We had put up two Beverage antennas on the high páramo of the world's highest active volcano (although not that active at the moment!), Mount Cotopaxi, south of Quito. One wire was 335 meters (1,100 feet) in length, (according to Mike Burden's careful pacing). This was pointed due east-west. The short one was about 50 meters (164 feet) long and oriented roughly north-south. Reception of Andean stations on the north-south antenna was outstanding, with many Peruvian stations sounding like they were a mile away! The east-west Beverage antenna grabbed some decent signals from African stations, and a very nice logging for Ken MacHarg from India on 60 meters. While the DXing was good,



*Ken MacHarg and Mike Burden get some Beverage wire support poles ready on Mount Cotopaxi.
(Photo: David Regier)*

John Beck and Starr Goerzen stole the show with an outstanding high-altitude steak barbecue...including baked potatoes, all kinds of trimmings and even "s'mores" (toasted marshmallow and chocolate pressed between graham crackers). Later that night as we rolled up the antennas, the Southern Cross and myriads of other stars blazed out, forming a dim silhouette of snowcapped Cotopaxi in the background.

There was also the journey to Shell, a small town on the edge of Ecuador's eastern jungles where HCJB has one of its two hospitals. The "Shell Road," as it's known, is legendary in Ecuador for its hair-raising views from the edge of the road...down-down-down to the Pastaza River



John Downing keeps warm by DXing from the bus!
(Photo: David Regier)



Andrew Steele (left) and Rich McVicar set-up one end of the Beverage antenna at the Cotopaxi DXpedition.
(Photo: David Regier)

below. In Shell, shortwave and mediumwave reception was different from that of Quito, with more Bolivian and southern Peruvian stations being heard.

It was a wonderful two weeks for us here at HCJB, hosting and getting to know these people. We already miss our new friends. The British DXers Tour was a first for all of us and, based on the wonderful time the Lord blessed us with, we are indeed planning future DX tours here at HCJB. Keep your eyes open for details as they become available.

ACTIVE SHORTWAVE STATIONS IN ECUADOR

(Good times to try for Ecuadorian stations would be from about 1000 or 1100 to 1300 UTC, and 2300 to 0500 UTC-schedules vary. Stations not listed have not been heard here in Quito since 1990, or earlier. They are presumed completely inactive on shortwave.)

3220 HCJB (Pifo)
3270 ECOS DEL ORIENTE (Lago Agrio)
3280 LA VOZ DEL NAPO (Tena)
3285 LA VOZ DEL RIO TARQUI (Cuenca) Not heard since May 30.
3290 RADIO CENTRO (Ambato)
3315 RADIO PASTAZA (El Puyo) (per report by Rafael Rodriguez R. in Bogotá. He heard this station in April—courtesy PAMPAS DX-June issue)
3351 RADIO CUMANDA (El Coca)
3395 RADIO ZARACAY (Sto. Domingo de los Colorados)

4212.5 RADIO ??? (Oña, Azogues Province) Unlicensed pirate station.
4271 RADIO GONZANAMA (Loja province) Pirate station. Not heard since March.
4680 RADIO NACIONAL ESPEJO (Quito) Has been off the air for a few weeks. Expected back any time.
4680(H) EMISORA CENTRAL (Riobamba) 4th harmonic of 1170 kHz.

4795 LA VOZ DE LOS CARAS (Bahia de Caráquez)
4800 RADIO POPULAR INDEPENDIENTE (Cuenca)
4840 RADIO INTEROCEANICA (Santa Rosa de los Quijos)
4851 RADIO LUZ Y VIDA (Loja) Off for weeks at a time.
4870 RADIO RIO AMAZONAS (Macuma) Station has closed-down completely.
4890 RADIO CENTINELA DEL SUR (Loja) Their evening frequency. (Roughly 2300 to 0400 UTC)
4899 RADIO CENTINELA DEL SUR (Loja) Their morning frequency. (Roughly 1100-1300 UTC)
4911 EMISORAS GRAN COLOMBIA (Quito) Off the air recently, but expected back any day.
4920 RADIO QUITO (Quito)
4950 RADIO BAHAI (Otavalo)
4961 RADIO FEDERACION (Sucua)

5011 ESCUELAS RADIOFONICAS POPULARES (Riobamba)
5030 RADIO CATOLICA NACIONAL (Quito)
5040 VOZ DEL UPANO (Macas)
5050 RADIO JESUS DEL GRAN PODER (Quito)
5061.5 RADIO NACIONAL PROGRESO (Loja)
5965 VOZ DEL UPANO (Macas)

6000 VOZ DEL UPANO (Macas)

Above 6000 kHz: HCJB domestic and international broadcasts.

Person to Person

In this edition of ANDEX International, you'll be reading about several experiences on mountains here in Ecuador...both DXing and broadcasting experiences. Sometimes, when we've had an especially wonderful day, or several days in a row, people say we are "living on a mountaintop." That's when everything is going well; but what about the rest of the time?

In his book *Jesus*, by Luke, Dr. Paul B. Smith discusses the fact that our lives are lived more in the valleys than on the mountaintops, that there is more sadness than gladness, more tension than relaxation. I think you would agree with Dr. Smith when he says, "There are a great many heartbroken people in this world, and all of us face heartbreak on occasion."

Dr. Smith continues,

"In the midst of our heartbreak, sometimes we seek counsel from friends or from a professional—a psychiatrist, a physician, or a pastor. Sad to say, many of us approach these people expecting the kind of help they are unable to give. We start off by saying, 'I am broken-hearted. Fix my world. I am having difficulty with my wife or husband. Go and talk to them.'

"However, it is usually impossible for any counsellor to straighten out our world so that we can live in it and not be hurt. The most he or she can do is show us how we can learn to live in this world as it is. The gospel of Jesus Christ gives us that kind of power. It does not remove the problems and the heartache common to man, but it does give us an inner strength so we are able to live in a world that is much less than satisfactory."

My friend, I'd like you to know Jesus Christ the way I do, and experience how He can help you face those valleys. Why not write and ask for the booklet, "Can God Help Me?" It's free, and you can ask for it in care of ANDEX here at HCJB.

Rich McVicar
ANDEX Director



DXer OF THE MONTH



Rudy Paas at his listening post in Dugald, Manitoba.

A very well-known city in Canada is Winnipeg, the capital of the province of Manitoba. Just east of Winnipeg is Dugald, the home of our DXer of the Month for July-August, Rüdiger Paas. Rüdiger, or "Rudy," is the creative director of an advertising agency in Winnipeg.

Rudy tells us that he was born in Germany, and his wife, Sonja, was born in Holland. They have two daughters, now in university.

The Paas family lives on five acres at Dugald, which would be ideal for antennas! Rudy writes, "In the spring of 1990, a little 3" by 5" Grundig Traveller II shortwave radio got me started in shortwave listening. After upgrading my equipment to a Realistic DX-440, my occasional listening turned into a serious hobby, highlighted by a visit to Radio Australia and meeting all the well-known voices. If anyone tuned in, my wife and I were on the air on March 4 talking with Peter Cavanagh."

Rudy continues, "Shortwave listening shortens our very long winters here in Manitoba, brings people all over the world so very close, and makes it possible to establish friends through this very interesting and informative hobby."

Perhaps some other ANDEX members tuned in to Rudy on that Radio Australia broadcast. We're sure he'd like to hear from you if you did!

Rudy enjoys classical music, travel, photography and reading. He is also involved with a church in Winnipeg, teaching an adult Sunday school class.

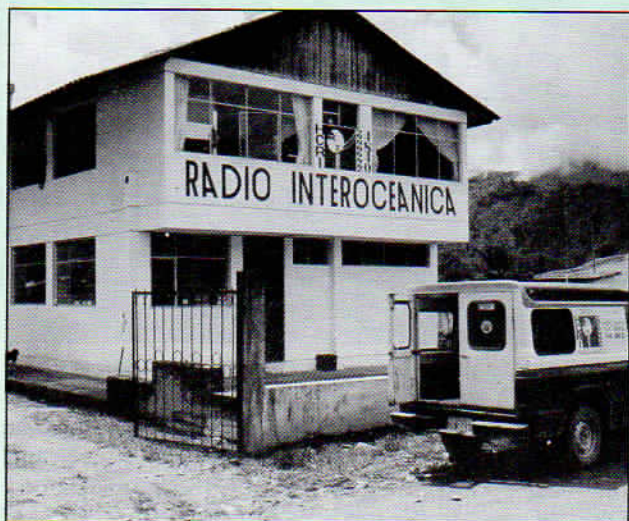
If you would like to write to Rudy, his address is:

Rudy Paas
P.O. Box 52
Dugald, Manitoba
R0E 0K0, CANADA

ANDEX congratulates Rüdiger Paas of Dugald, Manitoba, Canada, ANDEX Member 7586, DXer of the Month for July-August 1991.

Station Profile: Radio Interoceánica

By Kenneth D. MacHarg



*The new building housing the studios of Radio Interoceánica.
(Photo: Polly MacHarg)*

In the heart of Ecuador, where the Andes meet the jungle, there is a small radio station with affectionate ties to Canada's Ontario DX Association.

In 1987 a terrible earthquake struck the region around Santa Rosa, killing up to 4,000 people, destroying almost all homes in the area, knocking out the trans-Ecuadorian oil pipeline (costing the country billions of dollars in international trade), and turning radio station HCRI7-- Radio Interoceánica-- into a pile of rubble.

Reports on HCJB's "DX Partyline" shared the plight of these hard-working people with the world, and brought concerned response from compassionate listeners in many countries.

Among those with an interest were members of the Ontario DX Association (ODXA) who responded with a generous contribution to help rebuild the area's only radio facility.

To drive out of the mountains and into the gently rolling valley where Radio Interoceánica is today, one would hardly know that such a disaster had struck only four years ago. Other than scars on the steep mountainsides where landslides occurred following the "terremoto," most reconstruction is finished. The oil pipeline snakes through the lush green valleys between majestic mountains and alongside rushing mountain rivers to the small settlement of Santa Rosa.

In the middle of the pueblo stands the sharp-looking building, housing this station

which ties the community together.

Congenial manager Byron Medina is proud of the new facility which he says is the only voice available on local bands to the thousands of people in this remote part of Napo province.

The station is owned by the Swedish Covenant church, and has received extensive funding from the Swedish government which views its educational broadcasts as an educational and developmental project.

Today Radio Interoceánica emphasizes health concerns, education, science, agriculture and other topics throughout its broadcast day. Señor Medina says that as the only local station, Radio Interoceánica places news at the top of its priority list, developing newscasts throughout the day from items in one of Quito's daily newspapers, and using HCJB's Spanish newscasts as another source. The station also carries soccer and other sporting events from HCJB which it receives via a shortwave receiver in its studios.

Christian broadcasts are also important for this religious station. Each Sunday a full worship service in the Quichua Indian language is broadcast especially for those living in remote mountain valleys where no churches exist. Byron Medina says that when Radio Interoceánica removed those Sunday-morning services from the shortwave schedule a year ago, the station was flooded with letters from listeners asking that they be reinstated. He mentioned one entire small town without a church or pastor where the



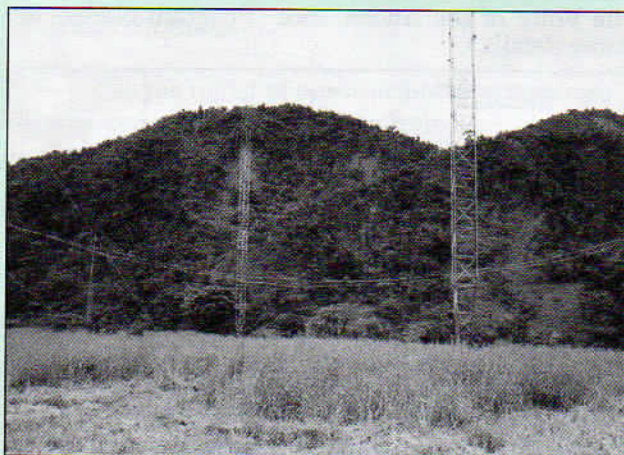
*Looking at the studios of Radio Interoceánica.
(Photo: Ken MacHarg)*

people gather together each Sunday morning to worship via radio.

Daily Quichua broadcasts are offered from 6:15 to 7 AM local time, with the remainder of the day given to Spanish. Programs in Indian dialects are expanded on Sunday.

The attractive studio building (which ODXA funds helped to reconstruct) houses two complete studios, either of which can be used as the master control. Between the two control rooms a larger studio can be used for musical presentations or group discussions. The station does not use cart machines so common in North American stations, but each "spot" is on reel-to-reel tape which must be cued for every use. Manager Medina and his family live in a second-floor apartment in the building. Other offices of the mission are in an adjacent building.

Radio Interoceánica transmits on shortwave on 4840 kHz from 1100 to 1500 UTC, and again from 2000 to 0200 UTC. The station's FM frequency (96.3 mHz) is utilized from 1100 to 0200 UTC, with the shortwave transmitter



Located in the Andean foothills, Radio Interoceánica's antenna and transmitter site, about two blocks from the studios. (Photo: Ken MacHarg)

simulcasting the FM programming. On Sunday, the shortwave transmitter remains on all day.

Prior to 1987, the station also broadcast on medium wave. However, missionary engineer Olaf Hegmuir says local reception of the AM was difficult, if not impossible, because the surrounding mountains blocked the signal. So Olaf took the old 1,000-watt medium wave RCA transmitter and rebuilt it for shortwave. He is pleased with its performance. Besides reaching the local population tucked away in remote mountain or jungle villages, the station also reaches an international audience as evidenced by letters received from listeners in Costa Rica,

Japan, Colombia, Venezuela, the United States and parts of Europe.

A transmitter site two blocks from the studio building was virtually undamaged by the 1987 earthquake. The two AM towers still stand, one being used for the FM antenna. For shortwave, Olaf has built two lazy H simple dipoles on either side of the AM array to send the signal straight up, allowing it to cover the region like an umbrella.



Radio Interoceánica's General Manager, Byron Medina, greets John Beck, HCJB's International Program Director. (Photo: Ken MacHarg)

Byron Medina speaks proudly of the 18 hours per day of programming which his small staff of four produces. He recognizes that Radio Interoceánica is a vital link to reach the people of this rugged province with health information, educational information, and the latest news. He also speaks positively about the response of area residents to the Christian message carried by the station's transmitters.

Radio Interoceánica appreciates letters from listeners in far-away places. While it may take time for the beleaguered staff to send off a confirmation letter, Byron says that all correspondence is answered eventually. They prefer listeners to correspond in Spanish.

Byron and Olaf both speak of their appreciation for those who responded to the needs of the people in their area following the disaster of 1987. Olaf mentions the special tie to radio listeners in Canada who cared enough to help out a small station in South America.

Radio Interoceánica
Santa Rosa
Cantón el Chaco
Provincia de Napo
Ecuador

A RARE QSL INDEED!



Mount Cayambe, the only place on earth with snow on the equator.

HCJB's "Studio 9" has just issued several of what must be some of the rarest HCJB QSLs ever issued. On June 29, six adventuresome fellows traveled up the slopes of one of Ecuador's highest volcanoes, Cayambe. This particular volcano is the only place on earth where one can trudge through snow right on the equator. (The equatorial line passes through the southern part of Cayambe.)

In October of 1989, Mark Irwin engineered a special live "Passport" program from another volcano, Cotopaxi. This time around, we believe he pioneered the "Volcano Call-in," a hitherto unexplored genre of shortwave broadcasting. At 0230 and 0730 UTC on June 29, Mark Irwin, Wolfgang Brinkmann, John Norin, Jerry Newcombe, Mark Swinerton and Rich McVicar took calls from around the world from shortwave listeners wishing to talk to folks sticking out blizzard conditions on the equator. The wind blew HARD, the temperature NEVER got about the freezing point, the firewood RAN OUT and they were COLD! (If we were to say something like, "But the excitement of the phone calls kept them warm," it would be nice, but not 100 percent true!)

The six men on the volcano used a UHF transmitter as a radio link between the climbers'

refuge on Mount Cayambe and the HCJB studios in Quito (where John Adams, in a nice warm studio, handled the incoming calls.) For a receiver, the folks on Cayambe used their own shortwave radios to monitor the broadcast. Even getting to the sturdy refuge building was an adventure as the trucks got firmly stuck, first in mud, and later in thick, wet snow. The final part of the trip had to be on foot. The refuge is at 15,100 feet, or about 4,600 meters above sea level. Cayambe's peak, still far above the refuge, stands at 19,000 feet, or 5,790 meters.

To commemorate the program, Mark offered a special Cayambe Call-In QSL card to those who called and wrote in. The card has never been used at HCJB in the past, and will not be used again.

A one-of-a-kind broadcast? Well, so far it is. However, more are in the planning stages, including a live call-in program where the broadcasters plan to be on two different volcanoes at the same time!

"Studio 9" with Mark Irwin concentrates on the unique culture and current events of Latin America, and is broadcast each weekday here on the Voice of the Andes. (See "Program Notes" for more details.)

<p>ECUADOR SUD AMERICA El Cayambe 18,100 pies The Cayambe 15,100 feet</p>		<p>Tel: +593 585</p>
<p>To: _____</p>		
<p>Thank you for reporting on the STUDIO 9 call-in program Saturday, June 29, 1991. All of the details in your report are correct and we acknowledge your reception with this special edition QSL card.</p>		
<p>0230 UTC on 9745, 15155, 21455, or 25950 kHz. 0730 UTC on 11825, 15270, 17790, 9745, 11925, 21455, or 25950 kHz.</p>		
<p><i>Mark Irwin</i> Studio 9 Producer <i>John Adams</i> English Language Director</p>		

Back of the Mount Cayambe QSL card.

A NEW ANDEX FEATURE - "MY FAVOURITE QSL"

(and YOU'RE the writer)

We've just talked about a rare HCJB QSL, which brings us to the subject of QSLs in general. Many ANDEX members have suggested that the bulletin contain more about QSLs, the verification cards and letters issued by the radio stations we listen to. With the next issue of ANDEX International, we'll be inaugurating a new feature called "My Favourite QSL."

Shortwave listeners almost always have several QSLs that stand out in their collection, for whatever reason. "My Favourite QSL" is for ANDEX members to write and tell about a QSL of theirs that is special to them. It doesn't have to be a QSL from an especially rare station (although it could be) but simply one that is special to you...perhaps your first QSL; a QSL you received when you took your first date to the post office (DXers can be different at times,) or whatever.

Rather than just describe the QSL itself, we think ANDEX members would enjoy it if you described the circumstances that make this confirmation so unusual. For example, you could tell about what was going on in your life at the time or where you were when you heard the station (perhaps on a crazy DXpedition somewhere).

Please write your story in about 300 to 500 words, and send us a clear photocopy of the QSL. (Don't send the original because that precious card or letter might get lost in the mail!) ANDEX reserves the right to edit the material. "My Favourite QSL" is not a contest, but rather an opportunity to let you put your story telling skills to work!

Remember, the "August-September" ANDEX International will contain the first edition of "My Favourite QSL."

PROGRAM

HCJB · THE VOICE OF THE ANDES · QUITO · ECUADOR

September-October 1991

MONDAY THROUGH FRIDAY

STUDIO 9, with Mark Irwin, is our one-hour block of Quito-produced programming. The release begins with nine minutes of Latin American and world news, followed by 20 minutes of in-depth reporting on Latin America. Regular reports include medicine on Mondays; sports on Tuesdays; personalities on Wednesdays; history on Thursdays; and nature, science or ecology on Fridays. At the hour or half-hour (depending on your location) is our featured program of the day. (Details below)

MORNING IN THE MOUNTAINS—(to the Americas only) Rich McVicar and Ray Hinchman team up for some great times. From 1325 to 1430 UTC, this fresh breath of Andean air can be heard up and down the Western Hemisphere.

MONDAY

DATELINE 90—Refreshing...objective...creative. Those are some of the comments generated by DATELINE 90. Join Jan Shober as she considers the decade and our place in it.

Sept. 2 We see inside the Latin American family circle.

Sept. 9 Turning 40 can be traumatic—or it can open new windows of opportunity. Join just-turned-40 Jan Shober as she opts for the windows instead of the trauma.

Sept. 16 Politics and religion: adjusting the ingredients to find the best mix.

Sept. 23 Does the Bible have anything to say to the 90s generation?

Sept. 30 The adjustment process of plunging into a new culture.

Oct. 7 Jan Shober talks with listeners during her summer journeys.

Oct. 14 How to manage conflict—and resolve it.

Oct. 21 The poor. The homeless. The underprivileged. Meet them today, and meet those trying to help them in their plight.

Oct. 28 The critical issues of our times? What matters to you?

TUESDAY

HAPPINESS IS—Dee Baklenko takes you on a trip back through time as she features exotic spots in Ecuador and around the world.

Sept. 17 HCJB's first years.

Oct. 1 A program filled with surprises—a surprise visit and a surprise offer. Don't miss out!

Oct. 15 Join Dee in scaling some of Ecuador's beautiful volcanic mountains. You'll enjoy this hike accompanied by two veteran climbers.

WEDNESDAY

HAM RADIO TODAY—Host John Beck brings you the latest news from the world of electronics and amateur radio with practical hints to heighten your enjoyment of the hobby.

Sept. 4 Angle of radiation; HF mobile antennas; station logs.

Sept. 11 Longwave characteristics; headphones.

Sept. 18 Mediumwave characteristics; the "novice accent."

Sept. 24 Shortwave characteristics; repairs.

Oct. 2 VHF characteristics; low cost traps; plastic repairs.

Oct. 9 UHF + characteristics; maritime mobiles.

Oct. 16 The trans-equatorial mode; maritime distress traffic.

Oct. 23 Ducts; coaxial cable; handling a pile-up.

Oct. 30 Special report: 160 meter band operation.

THURSDAY

HAPPINESS IS—Thursday editions follow a magazine format, beginning with a fabulous colour photo cover. This is one magazine where you, the listener, are invited to make a contribution.

FRIDAY

MUSICA DEL ECUADOR—Jorge Zambrano presents his special blend of Ecuadorian and Latin music combined with friendly chatter.

SATURDAY

DX PARTYLINE—Rich McVicar features "Taking your loved ones to shortwave transmitter sites," and a journey to visit Costa Rica's Radio Titania. There are also plenty of receiver reviews, loads of the very latest DX news and more.

MUSICAL MAILBAG—The MUSICAL MAILBAG just rolls on with food, folks and fun. Your letters provide our script as we bounce from pillar to post around the globe, acknowledging your friendly greetings. Join us the totally unpredictable MUSICAL MAILBAG.

SUNDAY

SALUDOS AMIGOS—Ken MacHarg excavates the mounds of mail on his desk to read letters from listeners worldwide. Ken offers special features such as "Your Question Please" where studio guests answer questions about all kinds of things. (Sept. 8, 22, Oct. 6, 20). "Write On" offers those interested in pen pals the names and addresses of potential correspondents around the globe. (Sept. 1, 15, 29, Oct. 13, 27). Other weeks, Ken presents the "Quito Radio Theater," short dramatic presentations that focus on issues of life and faith.

MUSIC FROM THE MOUNTAINS—Do you like traditional or contemporary, jazz or rock, praise or hymns? MUSIC FROM THE MOUNTAINS is a weekly mix of music and inspiration, hosted by Ken MacHarg.

THIS 'N THAT

NEW ADDITIONS: On Saturday evenings, listeners in the Americas can become sports-wise, courtesy of **SPORTS SPECTRUM**. Chuck Swirsky of WGN Radio in Chicago hosts this 30 minute program which brings another dimension to sports. (0330 UTC Sunday)

LETTER MONTH: Maintaining that marvelous tradition of letter month is our pleasure during October. When you write to us at HCJB and ask for it, we'll gladly send you a 1992 calendar with a breathtaking picture of Mt. Antisana in all its snowcapped glory. And we'll add another Ecuadorian souvenir as well. So...we'll be looking out for a letter from you, postmarked in October.

Program Notes editor: Karen Schmidt.



DENIS PASQUALE - 1820 4th St., Brighton, PA, 15066, U.S.A., ANDEX # 7666. Denis is 40 years old and a sports fan. He is interested in exchanging pins, stickers and other items with team logos from American professional and college sports teams.

NIKOLAI RUDNEV - Lenina 5A-34, Stroitel, Belorodskaya Obl. 309120, U.S.S.R., ANDEX # 7535. Nikolai is 22 and he is interested in DXing, religion...almost any topic under the sun. He is especially interested in writing to pen pals from the U.S.A. (he mentions the state of Alaska specifically) and Canada.

BORIS RUSLANOV - Moscovski Prospect 19-33, Kaliningrad 236005, U.S.S.R., ANDEX # 7411. Boris would like to correspond with DXers all over the world. He studies philology at the university. His hobbies are DXing, QSLing and music.

GARY CLARK - 428 N. Surry, Missoula, MT, 59802, U.S.A., ANDEX # 7400. Gary enjoys watching trains and collecting old radio shows. He is a TV engineer.

EWALD HAUSSMANN - Poste Restante, 5608 Balabag, Malay, Aklan, PHILIPPINES, ANDEX # 7963. Ewald owns a small grocery store and enjoys collecting view cards, swimming and hiking.



ANDEX INTERNATIONAL



is the official bimonthly publication of Andes DXers International, a listeners' club operated in conjunction with "DX Partyline" broadcast on HCJB.

ANDEX Director Richard McVicar

DX Partyline broadcasts

Saturdays (UTC)—two broadcasts to Europe: at 0739 UTC on 11835, 15270 and 17790 kHz, and again at 1909 UTC on 15270, 17790 and 21480 kHz. —twice to the South Pacific: at 0739 and again at 1009 UTC on 9745 and 11925 kHz.

Sundays (UTC) (Sat. evening in North America) —three times to the Americas: at 0039, 0239 and 0509 UTC on 9745 and 15155 kHz.

You can also check our SSB frequencies on 21455 and 25950 kHz.

Address mail (No funds) to: ANDEX International, Casilla 17-01-00691, Quito, Ecuador.

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

AUSTRALIA	A \$7.00	HCJB--ANDEX, GPO Box 691, Melbourne, Vic 3001, Australia
CANADA	C \$7.00	HCJB--ANDEX, 6981 Millcreek Dr. # 23, Mississauga, Ontario, Canada L5N 6B8
FINLAND	FIM 28	Send fee to: Radio HCJB, Helsingin Sp/Helsingfors Sb, 40550609630716. Send application form to: Radio HCJB, PL-101, 15111 Lahti, Finland
ITALY	L 7.500	HCJB--ANDEX, Italian Christian Media, C. so B. Brin, 29, I-10149 Torino, Italy
JAMAICA	J \$ 26	HCJB--ANDEX, Jamaica Office, P.O. Box 31, Kingston 6, Jamaica
NETHERLANDS	Hfl. 15	Stichting HCJB Nederland, Dalweg 30, NL - 7122 BC Aalten, Netherlands
NEW ZEALAND	NZ \$11	HCJB--ANDEX, P.O. Box 38-776, Howick, Auckland, New Zeland Attention: Quito
SWEDEN	Equivalent of \$ 5.50 U.S. dollars	Fees to: Postgiro 68 06 80-6 or to bank giro 332-4407. Send application form to: Radio HCJB, Box 110,54201 Mariestad
SWITZERLAND	SFr. 11	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, Switzerland
UNITED KINGDOM	4 pounds sterling	HCJB--ANDEX, 131 Grattan Rd., Bradford, West Yorkshire, England, BD1 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.
U.S.A.	US \$ 5.50	HCJB-ANDEX, P.O. Box 553000, Opa Locka (Miami), Florida 33055-0401
GERMANY	DM 13	Margot Stegmiller, Heberlstr. 32, W-6908 Wiesloch, Germany Account Nr. 207415-675 Postgiroamt Ludwigshafen, BLZ 545-100 67

EUROPEAN COUNTRIES WHERE THERE IS NOT A LOCAL OFFICE:

Applicants may use the United Kingdom post office giro account by sending the equivalent of four pounds sterling

IF YOU LIVE ANYWHERE ELSE, SEND \$ 5.50 (U.S. dollars) to: HCJB--ANDEX, P.O. Box 553000, Opa Locka (Miami), Florida 33055-0401.

THE AMOUNTS LISTED ARE THE FEES FOR A FULL YEAR OF AIRMAIL SERVICE. MAKE CHECKS/MONEY ORDERS PAYABLE TO HCJB-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.