

The BEAM

ARMS Christian
Fellowship Group



Volume 43, Number 2

Fall, 1999

It should be more
than just a name—

Amateur Radio Missionary Service

by Parks Squyres, W7PKS

Around the middle of September, I heard from ARMS president, Charlie Cox, K7AQ, that Ren Ells, N7FMD, wanted to donate his deluxe transceiver to a missionary. Ren suffered a stroke several months ago and is in a nursing home here in Medford, Oregon, so he is no longer able to use it.

I had been very busy this past summer and I had just gotten



Ren Ells, N7FMD

—Continued on page 3—*Transceiver*

Visit our web site—
www.tenforward.com/arms

Know your missionary organizations—

HCJB World Radio



WORLD
RADIO

HCJB World Radio (World Radio Missionary Fellowship, Inc.) is an evangelical, interdenominational faith mission involved primarily in radio broadcasting.

Together with their partners worldwide, they have ministries in more than 90 countries and broadcast the gospel in over 100 languages and dialects from various broadcasting sites. Their staff includes more than 1,000 missionaries, national employees and volunteers.

History

HCJB began as a vision of Clarence W. Jones. Clarence was on the music, youth and radio staff of the Chicago

—Continued on page 13—*HCJB*

Inside this issue—

ARMS officers, sections and nets	2
From the president's desk	2
Doc Microp update	3
Code practise equipment needed	3
Missionary reports	4
"Gurrilla Hostage" by Ray Rising now available	6
Around the world to Borneo and Israel	6
Dick Harris, K7VCD, goes to Swaziland	7
Section reports	8
Ham radio still serves overseas missionaries	9
Treasurer's report	10
From our members here and there	11
We welcome our new members	12
Silent key	12
Millennial thoughts	12
Quito volcano threatens—again	15
Scripture crossword puzzle	16

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ARMS CHRISTIAN FELLOWSHIP NETS

Eastern.....	Mon.-Thurs., 7:00 a.m., Sat., 9:00 a.m.	3.907
Central.....	Sat., 8:00 a.m.	3.922
Southeast.....	Sat., 9:00 a.m.	3.900
Midwest.....	Sat., 8:30 a.m.	3.905
Rocky Mountain.....	Mon.-Sat., 7:30 a.m.	3.893
Northwest.....	Thurs., 7:00 a.m.	3.984
20-Meter.....	Mon.-Sat. 1500 Z (ST), 1400 Z (DT)	
	(10:00 East., 9:00 Ctr., 8:00 Mtn., 7:00 Pac.)	14.3075
Halo Net.....	Every day, 1800 Z ..	21.390

ARMS SECTIONS



ARMS Motto

Therefore, as we have opportunity, let us do good to all people, especially to those who belong to the family of believers.

Galatians 6:10 (NIV)

From the president's desk:

For over 30 years it has been a blessing for me to be able to check into our fellowship nets every morning from our homes in Colorado, Oregon and Arizona, and from the mobile all across the U.S. and Canada. As Emily and I browse through our ARMS photo album and go over the calls in the Glory Net, it brings back wonderful memories. Membership in the Glory Net has now grown to over 100 since I began keeping records in 1967.

A few months ago I got a phone call from Ren, N7FMD, one of our old time members. He had a stroke and is now in a care home. He can no longer use his radio and wanted to donate it to a missionary who could put it to good use (see article on page 1). About the same time we heard that Ed, AA7GM, who is battling lung cancer, was forced to move in with his daughter and family, and has had to give up his hamming activities. Ed was first licensed in 1929.

I also got a call from Dick, KB7PRI, a retired missionary and a long time member of ARMS living in Tucson. Because of his age and his wife's health, they will be returning to Grand Rapids and will no longer be able to get on the air. He wanted to see if we could be of help in disposing of his equipment. I sent an e-mail to Bud, KG8BK, who lives in the Grands Rapids area, and asked him to get in touch with Dick. It turns out that Bud knows Dick. He used to be active in the Central Section before moving to Tucson. The Lord sure works things out in a wonderful way.

As many of us are getting up in years, it's good that we are able to continue to encourage and uphold each other in prayer as we fellowship on the air and are kept informed through The BEAM. Harold, our 20-meter Net Manager, keeps an ongoing record of our prayer requests so we can all remember those of our group who need our support and encouragement. First Thessalonians 5:11 reminds us to "...encourage one another and build each other up, just as in fact you are doing."

I want to thank the officers, the net control stations and the many relay stations around the country for making it possible for us to have a Christian presence on the ham bands.

—Charlie, K7AQ

The BEAM is published twice a year to provide information and inspiration for the members of the Amateur Radio Missionary Service (ARMS). Anyone desiring to submit material for publication in The BEAM should contact the editor, Dave Shortess, W5PQL, at 95 Prawn Rd., Port Angeles, WA 98363. Submission deadlines are 3/15 and 9/15.

Regular membership in ARMS is open to any licensed radio amateur who can subscribe to the ARMS doctrinal statement. Further information about membership in ARMS can be obtained from the secretary-treasurer, Bob Hambly, WA7BYD, 1516 Lawnridge Ave.; Grants Pass, OR 97526, or by checking the ARMS web site, www.tenforward.com/arms.

Annual dues for membership in ARMS is \$8.00. Active missionaries are exempt. The dues year runs from June 1 through May 31.

Doc Mierop update

Last April, ARMS member Ed Schuit, KA3QIN, dropped us the following note regarding Dr. William Mierop, K2JEI, who is now living in a retirement home in Quarryville, Pennsylvania.

"Doc" was a co-founder of ARMS in 1957 and served as its first president. At that time he was the president of The Philadelphia College of the Bible. He is now 87.

To all those who know him:

From time to time I get to visit Dr. Bill Mierop and his wife, Eileen.

During the last visit, Bill came into the room walking with a cane and supported by his faithful wife.

I asked him, "How are you doing, Bill?"

"Depleted," was his answer.

I just thought some of his amateur friends would like to know. He is no longer active on the air, not even on 2-meters.

*Yours sincerely,
Ed Schuit, KA3QIN*

Code practise equipment needed

Recently Don Jensen, KC7WV, passed along the following. He has a missionary friend there in Tucson named Scott Starker. Scott and his wife, Paula, were just getting underway as Wycliffe translators in southern Mexico when Scott suffered a rather massive stroke, leaving his right side paralyzed.

The Starkers were forced to leave their work in Mexico and return to the States. Scott has been doing some computer work with Wycliffe at their support facility in Tucson.

Don has been trying to get Scott involved in ham radio. Scott is interested, but is finding the code requirement to be a fairly formidable hurdle, especially since he is unable to use his right hand.

Don has an old straight key he is giving to Scott, but he is looking for some code practise tapes as well as some sort of a keyer and tone generator or the like, to help Scott along. If anyone would like to donate any of these things to the cause, contact Don on the 20-meter ARMS net, or at:

P.O. Box 8987
Catalina, AZ 85738.

Cont. from page 1—Transceiver

back from a business trip to Denver, when I thought about a missionary that I had been in contact with by e-mail. His name is Don Jensen, KC7WV, and he is a missionary with Wycliffe Bible Translators in Tucson, Arizona. I had found out that he was also in a wheel chair and had old analog ham equipment.

The idea came to me to pick up the transceiver from Ren and take it down to Don as a surprise gift. I know I would have loved to have had something like that happen to me when I was serving with Wycliffe years ago. However, a lot of negative ideas also came to my mind.

First we are very busy on our ranch with 35 animals to take care of. Also the following week I had to be in Chicago for four days. The only time to go was the weekend of Sep-

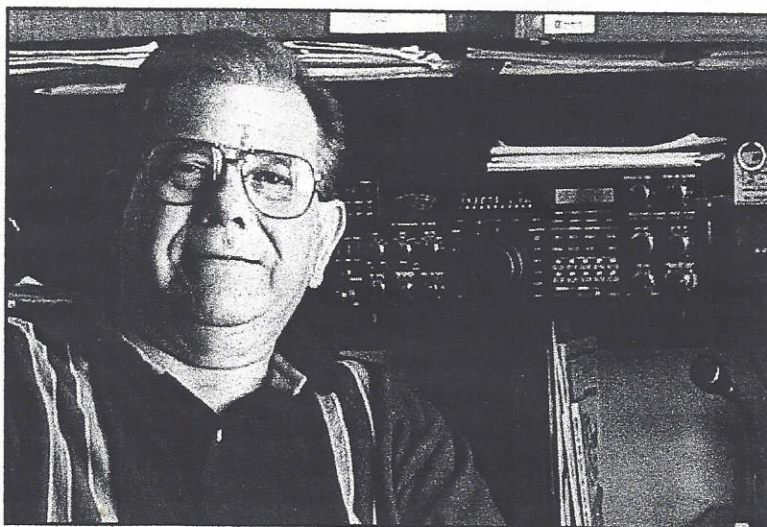
tember 4, when my son could come over and do a little feeding of some of our animals while we were gone. Also, we had had a good rain just two days before. This meant we didn't need to irrigate for a while.

Tucson is 1100 miles southeast of here. We decided that we needed to drive it in one day in order to have a little time to visit. We had done this before. We left at 2:30 in the morning and arrived in Tucson at 9:30 that evening. Wycliffe

had a nice apartment all set up for us.

The next morning I delivered the radio to Don in his office at the Wycliffe Center. It was a total surprise and well worth the effort. It was wonderful that Ren felt led to give his radio to a missionary, and I made sure it got into the right hands. I was also able to go through some audio and video equipment that I had shipped there to Wycliffe just the previous week. I have been helping them with media and computer equipment as the Lord provides.

I have been a member of ARMS for over 30 years, and I believe if we consider our name (...Missionary Service) and really mean what it says, we should all be doing something to help missionaries, not just giving lip service (Galatians 6:10). No, we don't run traffic or phone patches any more, so we should be looking for other opportunities. ---



Don Jensen, KC7WV with his new transceiver

Gospel Tabernacle founded by Paul Rader. He saw the effectiveness of the tabernacle radio ministry on WJBT and felt God's call to establish missionary radio. In 1930 he visited Venezuela, Colombia, Panama and Cuba seeking a permit, but all doors were closed.

Back in Chicago the Joneses met Reuben and Grace Larson who had pioneered a mission in the jungles of Ecuador under the Christian & Missionary Alliance. Reuben said he and the other C&MA missionaries could get a permit in Ecuador, which they did. Jones got the equipment, and on Christmas Day, 1931, a 200-watt transmitter in a renovated sheep-shed, located high in the Andes Mountains, became the world's first missionary radio station.

Founders were the Joneses and Larsons, along with D.S. and Irma Clark, and J.D. and Ruth Clark (D.S. and J.D. were brothers who had come to Ecuador from Brazil with the C&MA), and Paul and Bernice Young, who worked with the Bible societies in Ecuador. HCJB's power grew to three transmitters of 1,000 watts each by 1940.

From the beginning, the concept was to minister directly to the people as

well as broadcast to them. Thus was born a sound-bus ministry, evangelistic meetings and an outstanding public relations image.

The station, by contract, is apolitical, and by internal policy has always given a positive message centered on Bible teaching and appli-

cation of biblical principles. Through many revolutions and political changes those policies have endeared HCJB to the people and authorities in Ecuador. The station has always emphasized live programming done by program people from the countries where broadcasts are targeted.

In 1939 HCJB World Radio bought the presently-owned property on the north side of Quito. Towers and antennas were built on the grounds. Clarence Moore built the first 10,000-watt transmitter at the LeTourneau plant in Peoria, Illinois. It went on the air in Quito on Easter Sunday 1940. To use its power more effectively, Clarence invented the cubical quad antenna, now familiar to hams around the world.

Shortwave signals began to reach the far corners of the world, and programs in languages other than Spanish and English began. During World War II NBC made a contract for HCJB to re-broadcast news and commentary programs in Spanish to local Ecuadorian audiences. The income from that project helped build the broadcast center which is still in use today. In 1949 HCJB became partners with HOXO in Panama which remains one of its worldwide ministries.

In the early 1950s a small clinic was established to minister to Indians bringing their goods to the Quito markets. A Sunday school and church grew in the rented building. In 1955 land across the street from HCJB was purchased and Hospital Vozandes was built headed by Dr. Paul Roberts from Canada. At the same time an adjoining property was purchased and the Iñaquito Evangelical

Church was built. This church, now under local leadership, is one of the largest in Quito. A few years earlier a campaign held in the bullfight arena resulted in the establishment of the Divine Redeemer church, Quito's second evangelical church. Other churches have also been started by HCJB World Radio missionaries.

Missionaries in the Amazon rainforest asked the mission to establish a medical work there and Hospital Vozandes-Shell was built under the lead-

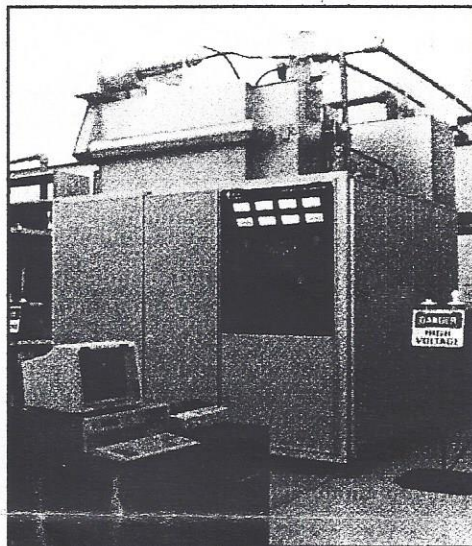
ership of Dr. Ev Fuller. The Health Care Division still operates these two hospitals as well as community services that include mobile medical clinics, urban clinics, rural health facilities and community development programs.

HCJB World Radio started Channel 4 TV station in Quito in 1959 and operated it until 1973.

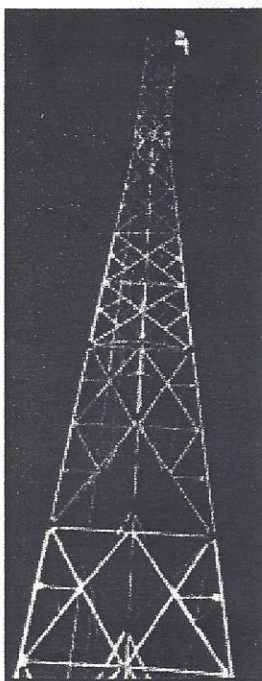
Televozandes continues to produce programs for television and partners with Asomavision, a national TV network.

In 1956, on the 25th anniversary of its founding, a 50,000-watt, band-switching shortwave transmitter was installed. It was built by HCJB's missionary engineers and national technicians. In the 1960s FM radio broadcasting was added, and HCJB's main transmitting facilities were moved to their present site at Pifo, 15 miles east of Quito.

In 1969 HCJB World Radio added three 100,000-watt shortwave transmitters made by RCA. The HC500 (500,000 watts) was built in the late 1970s by a team at facilities provided by Crown International in Elkhart, In-



One of the four HC-100 100,000 watt shortwave transmitters at HCJB



—Continued on the next page

Reports and news



Christine Grotendiek, DU/KC7GUA, Germany and the Philippines

One nice day, Werner had a rather routine flight. The plan was that he fly his heavily loaded aircraft out to a big jungle airstrip, unload some of its cargo, and leave the cargo there while he flew the lighter cargo load on to another small airstrip, about five minutes away. The trick was not to leave the unloaded cargo unattended at the big strip.

Normally, the missionary receiving the cargo would send someone to watch it, but because the river was high and no one could cross it, Werner decided to proceed to plan B, which was that he take someone with him, preferably a small, skinny person who did not weigh much, and have him wait, guarding the cargo at the big strip. This time the choice fell on one of our language students.

Shortly before their departure, the missionary called again and said, "By the way, we had a robbery last night at the big airstrip. The victim was found beheaded and chances are that his murderers are still in the area, so you better not to hang around there too long..."

Well great, just what he wanted to hear. But for Werner the choice was easy. He always tries to be a good steward of his entrusted cargo. He knew that he would be safely above all the things going on down below, as well as being busy getting the precious cargo to its destination. So he said to the student, "Well, my friend, things are not always as dangerous as they seem, so it's no big deal. But don't tell your wife about it, yet." Then he handed him two machetes

and said, "Just in case." He also promised the student that he would keep his stopover short.

Well, everything went fine that day, praise the Lord, despite the uncertain beginning. But life can get interesting over there.

We left for Manila in the middle of June, and from there went on to Germany on the 23rd. We will have a one-year furlough, but we won't be able to come to the U.S. Please pray for us as we do not know yet where we will live. Pray also for the kids' adjustment to life



in Germany. One big change will be going to a public school, with mandatory religion classes. (In Germany we are not allowed to home-school our children.) Werner will try to find out about getting his American licenses (both pilot and mechanics) transferred to European ones so that maybe he will be able to use his skills in a job while we are in Germany.

And then there are our relatives and friends, mostly unbelievers, that we like to visit and spend time with. We pray for their salvation and that the Lord will use us to be witnesses for Him. Please remember especially Werner's father. He just turned 88 and is very closed about spiritual matters.

—Christine Grotendiek, DU/KC7GUA, with Werner, Sina and Tobias

Leon Winter, DU/WX6I, Philippines

Furlough in the States is designed to be a time when overseas missionaries can be refreshed and catch our breath. But the time allotted always passes much too quickly. Even so, we would not have it any other way. Deep in our hearts, we want to be doing the Lord's will. This is the way of peace with Him.

As we return to the Philippines for our fifth term, we are a little sad at having to say good-bye to so many friends and family. But, we have so much to be thankful for.

Praise for our smooth flight to the Philippines. It was the best we've ever experienced. We asked for prayer and I'm certain that many of you did. After a restful flight, we arrived refreshed and without hassles.

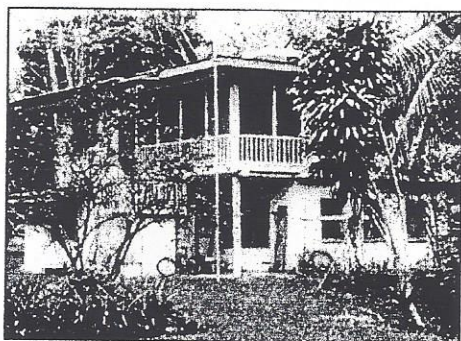
Praise is in order for Sally's classroom full of eager students. She experiences such a joy in working with these children. This year she has four in 3rd and three in 4th grade. Pray for Sally and her class to have a good year, full of the adventure of learning.

Now that Sheri and Kristy have started their school year at Faith Academy in Manila, we are thankful to see how well they are adapting to the challenges of life in a dorm. Kristy keeps telling us how much she likes the dorm. This is a very real answer to prayer. Thank you and keep praying as they move through the academic year. Especially that they will make good use of their study time, that is, the dorm quiet hours. Twenty girls can easily lose the time.

—Continued on the next page

Continued from previous page—

Another praise is that the place we call home here at our Bagabag Center



was in good repair on our arrival. Even our cat, Oliver, who had vanished a few weeks before our return, came sauntering in an hour later!

Please continue to pray as Leon establishes the new Archive Office on our Center. He will be helping preserve cultural and linguistic data that have been gathered in the course of SIL's work in the Philippines. Locating some empty space suitable for setting up the precision equipment took some time, but a place was agreed upon. Setting up this kind of equipment is routine for Leon. The challenge is in its use in this pioneering field.

Sally has been almost allergy free since we returned. There are occasional bouts of sneezing and stuffy head, but little more. Nothing like what she suffered at the end of our last term. She is so thankful that so many have prayed for her. She asks prayer for the Lord's continued help in this area.

After we said our good-bye to our family and friends in the US, and then just a month later to Sheri and Kristy, Sally and I looked at each other and remarked that we are feeling the beginnings of the empty nest. Feelings are mixed in this area. Pray for us as we adjust to this hole in our family life. I know that many of you are nodding your heads with understanding—you know how to pray for us.

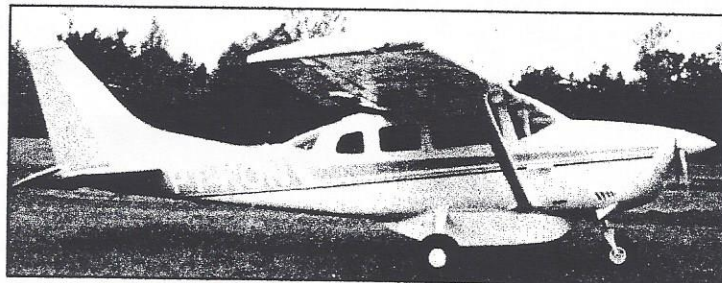
—Leon Winter, DU/WX6I, with Sally and the girls

Dave Immel, KE4EW, Waxhaw, N. Carolina

Less than two years ago on a hot July morning, an outdoor service was held in an open area near the entrance to the JAARS center here at Waxhaw, North Carolina. Several of our directors shared and later turned the first shovels of dirt committing the new Language Services Center to the Lord's service.

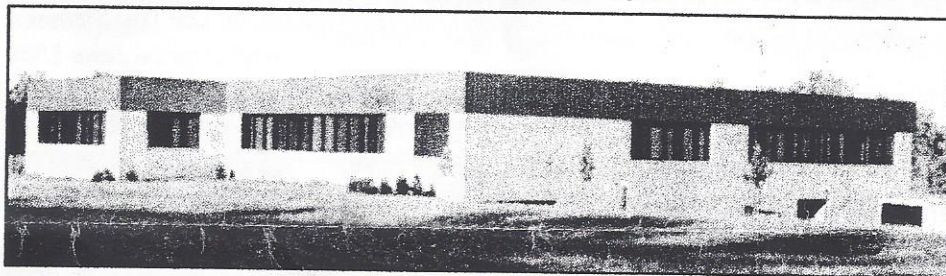
After the service ended, the bulldozers went to work. We were trusting God to provide the funds and volunteer work force to get

the Aviation Department completed the refurbishing of aircraft heading in three of those directions. West—a Piper Navajo, that was flown to the Philippines (see the Spring, 1999, BEAM), east—a Helio Courier, ferried in May to Cameroon and, south—a Cessna 206



Cessna 206, ready to be flown to Brazil

flown to Brazil in June. The shop has been a very busy place for the last year or so getting these aircraft reworked and



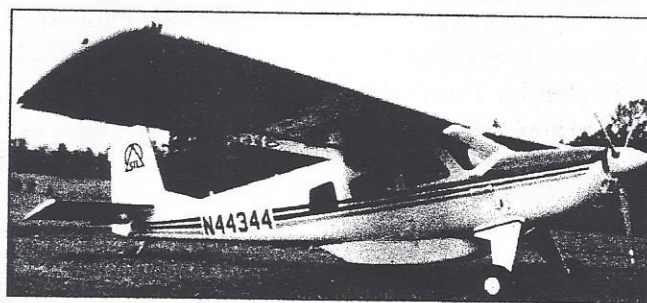
The new Language Services Building at the JAARS Center

the job done. Over the months a beautiful 30,000 square foot building has emerged from the vacant lot.

The Lord provided the funding and dozens of volunteers to accomplish the construction. We are happy to report that this new center is complete and was occupied in August. The building will house our Telecommunications Department, International Computer Services Department and translators researching and writing translation helps.

Ever heard of a compass rose? Nope, it's not a type of flower; to airmen, it is a familiar term referring to the four points of the compass. In recent months

ready for another stint of serving Bible translation. We are definitely in the recycling business here as we attempt to



Helio Courier, ready to go to Cameroon, Africa

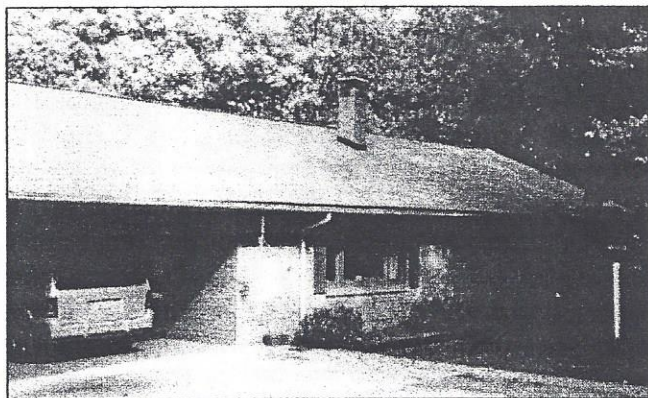
be good stewards of what the Lord has blessed us with.

—Dave Immel, KE4EW, with Patsy and the girls

—Missionary reports continued on the next page

Jeff Johnson, KO4TS, Waxhaw, N. Carolina Roots... and wings...

Three years ago Jeff was attending a seminar at a missions committee conference on how to help returning missionaries. The speaker shared practical things her church had done to help her "rootless" kids adjust to her home cul-



ture. Jeff realized anew that our girls really didn't have any place to call home. (By the time she was eight, Rebekah had made nine major geographical moves.)

Deb was in chemotherapy during her first round of cancer at that time, and we were hopefully anticipating a return to overseas service. But after our next overseas term, Rebekah would be in junior high, and that seemed like an ideal target time to pray that the Lord would show us where to have a home, and also to make it possible.

When we discovered the return of Deb's cancer last December, our focus was on battling that, and dealing with the disappointment of doctors saying that Deb is no longer a candidate for overseas living. With our resulting re-assignment to the JAARS center here in North Carolina, one of our prayer partners encouraged us to consider buying a house for sale near her. Our eyes were reopened to that possibility, and even though that house didn't work out, we began wondering if this was the Lord's timing for us to get a house.

At that point Deb had been in a wheelchair and using a walker. While

she continued to respond to chemo and regain mobility throughout the spring, we both felt it prudent to consider only a handicapped-accessible house. Realistically, that meant few if any steps, and a way to get from a car to the house without getting wet. (These limitations rule out most houses around here.)

Then we heard of another house that just filled the bill. When this house came up for sale we were just settling into another rental house, but the Lord brought things together and we moved in on August 18th. We thank the Lord for His provision for this house, and also that Deb's recent cancer blood test was normal two months after her final chemo treatment on June 15th.

The flip side of parenting is giving your kids wings. Now that Ruth is in kindergarten, all three girls get up at 6:20 to catch the school bus together. School is off to a good start, and we're adjusting to the first big change toward an "empty nest." Rebekah and Rachel press on, realizing that each year brings more homework.

Rejoicing at His goodness,

—Jeff Johnson, KO4TS, with Deb
and the girls

Ray Rising's book, is now available

"Guerrilla Hostage," the book by Wycliffe missionary Ray Rising, K4LWJ, is now in the bookstores. It is the story of Ray's 810-day ordeal while being held captive by Colombian rebels.

Read how Ray was able to miraculously hear his wife's voice over the radio, and how he used a Brillo pad to make a receiving antenna.

Check your local Christian bookstore for a copy of this exciting, first person account. Or you can order it by dialing 1-800-877-2665. -- -- --

Around the world to Borneo and Israel

by Arnie Kopischke, WAØDFT

My wife, Vicky, and I were getting ready to leave for Borneo last spring when we got the word. A tribal war had broken out there between the indigenous Dayaks and immigrant Madurese.

The great majority of these people are animists, and as a result, they resort to murder and even cannibalism to get revenge and to appease the spirits. A single incident had escalated to widespread bloodshed.

This is what Vicky and I faced as we made our plans to work at a jungle hospital on this Indonesian island. We delayed our departure for a week, and by the time we arrived, things had calmed down and we had no trouble.

My time there involved electrical and mechanical work at the hospital. One interesting project involved a hydro-electric plant. They were having trouble with it, and with the Lord's help, we were able to get the bugs out of it. We stayed and worked around the hospital for seven weeks.

Our contact there was Paul Geary, a medical missionary. He is the son of Dr. Wendell Geary, who was a high school buddy of mine.

We left Borneo by heading west, going to Israel. We got down to the Dead Sea and Masada, and up around the Sea of Galilee. Of course we took in Jerusalem, even though we got kicked out of the area on the Temple Mount near the Golden Gate!

We came home by continuing west, stopping in Atlanta, Georgia to visit Vicky's sister. So, all in all, it was a great trip for both of us.

This was my sixth trip to Borneo and Israel, and on around the world. I'm glad the Lord saw fit to make this possible yet another time. But it is always good to get home. We still live in the greatest, freest land in the world. Let us pray that it will stay that way. -- -- --

Dick Harris, K7VCD, makes a trip to TWR, Swaziland in southern Africa

We received the following letter from Dick Harris, K7VCD, in April. Dick is a charter member of ARMS, and, as K2MBT, served as its first treasurer. Dick now lives in the Seattle area and works as an engineer at a Christian radio station. —Ed.

I thoroughly enjoyed the article on TWR [in the Spring, 1999, *BEAM*]. You might understand this better when I tell you I have just returned from three

summer, probably in June. That will bring their transmitter complement in Swaziland up to six transmitters: two HC-100s, one Continental 200-kW shortwave transmitter, one 1940 GE 25-kW shortwave transmitter, one Continental 25-kW shortwave transmitter, and one Continental 50-kW medium wave transmitter tuned to 1170 kHz. The antenna farm consists of one two-tower directional antenna for the 1170 kHz transmitter, and about nine other

below is of me with my two new Swazi "grandsons," Bongani Matsebula, and Duma Shongwe, a couple of the studio technicians.

While the whole operation at TWR Swaziland is up to modern broadcast standards technically, it was still a joy to find that the whole operation is committed to the spread of the Gospel throughout those parts of Africa their transmitters can reach.

One major disappointment for them was the loss of an Angola outlet that closed only a few weeks ago. They had been using some time allowed on a government station in Angola that decided it didn't want their programs any longer. That is a matter of major prayer concern, that the Lord will open up another door of opportunity in Angola, or provide the necessary wisdom to design a system that will penetrate Angola from Swaziland or Johannesburg.

The rest of our time in South Africa was spent on a tour bus enjoying that beautiful part of the world. I had been in South Africa briefly in 1930 with my parents on their way to the Belgian Congo as medical missionaries. So stepping on Cape Town soil and Durban soil again after 69 years was a special thrill for me. In those days we didn't fly, we went by boat. The trip to Cape Town from New York then took 30 days at sea; this time the trip home to Seattle from Cape Town took a mere 30 hours in two 747s!

—Dick Harris, K7VCD



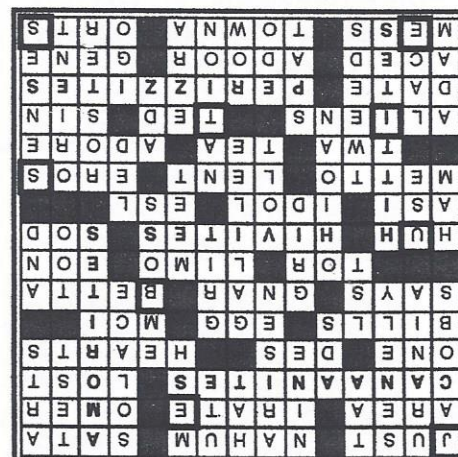
Dick Harris, K7VCD, and his two Swazi "grandsons"

weeks in southern Africa that included a week with the staff at TWR, Swaziland. A team of 38 of us from our church in Lynnwood, flew over there February 23 and returned March 15.

Among the several projects members of our team undertook were—dis-mantling an old 1940-vintage 25 kW shortwave transmitter to make room for a brand new HC-100 shortwave transmitter. The HC-100 is a state of the art 100-kW transmitter designed and built for TWR by the HCJB folks at their Indiana plant (see page 13 for a photo). It They expect to install it sometime this

shortwave antennas of the log periodic and curtain varieties, all home-made on the site. All antennas, including the 1170 towers are fed with open four-wire transmission lines. The site is a ham radio operator and broadcast engineer's dream!

I spent only four hours at the transmitter site, and the rest of the week at the studio site in Manzini with the studio engineers. I had expected to be handed a soldering iron and a meter, but the entire time was spent in consultation with the guys encouraging them and talking plenty of "shop." The photo



Solution to the puzzle on page 16

Section Reports

Southeast Section

The Southeast Section of ARMS met at Stone Mountain State Park outside of Atlanta, May 14-15, 1999. There were 11 of us in attendance. We met on Friday night for dinner and fellowship.

Saturday we toured HRO in Atlanta and window shopped (the wrong place to be when you are broke). Saturday afternoon and evening we spent at Stone Mountain where we rode the tram to the top of the huge rock where we had a magnificent view of the Atlanta skyline. Later we rode the train around the base of the mountain.

Saturday nights they have a laser light show on the side of the large stone. The show is choreographed to music. It is something to see.

All in all we had a great time of fellowship in the Lord and look forward to next year. We will meet in the Greenville, South Carolina area for next year's meeting, Lord willing. More will follow concerning date and place.

Those in attendance:

Denis Parker, WD4ACH

Andra Parker, KD4CLF

Kristin Parker

Ed Bradley, W4VGI

Randy Joiner, N4CX

Bobby Howington, KC4ERJ

Diane Howington, KD4UXT

DJ and Christopher Howington

Dave Gillespie, WA4LLR

Ervina Gillespie, N4PFZ

—Denis Parker, WD4ACH,
Southeast Section Director

Northwest Section

We've seen lots of changes in the membership of the Northwest Section of ARMS over the years. Some have died, some have moved away, and some have become inactive for one reason or another. This past year we have been

missing some of our regular participants in the net.

Mac, W7SDS, and Lola, WDØBAA, who used to come out to Oregon each summer and man a fire tower, have decided to stay in Waxhaw, North Carolina. Mac says they are doing well, but the trip west was just getting to be too much for them. He and Lola send their greetings to all.

Ren, N7FMD, following a stroke, is living in an assisted care home and has donated his radio equipment to a missionary ham (see page 1). He is in good spirits, but regrets that he can no longer get on the air.

Ed, AA7GM, also has been forced to dispose of all his equipment. He is fighting lung cancer and now lives with his daughter in Eugene, Oregon. He, too, is in good spirits, and, although his condition has deteriorated and is now causing some inconvenience, he does not have pain. Doc's Alzheimer's disease continues to worsen slowly. If you would like to drop him a note, his address is: 1511 Ranchwood Dr., Eugene, Oregon 97401. I know he would be pleased to hear from anyone in the group.

Roy, W7MXY, has gone out of the ham radio business. He has decided that computers are more to his liking.

We were glad to hear Ralph, WB7OOL, check in recently, the first since his move to Gresham, Oregon some time ago. Ralph, we missed your cheery voice (and your corny jokes!).

We haven't heard from Skid, K7OKT, for quite a while, either from Seattle or Lopez Island. We think he and his wife may be traveling. Skid, how about giving us a call?

Bill, KI7XT, and I had the opportunity to have lunch here in Grants Pass with Jim, WA6TTJ, and his wife, Midge. They live in San José, California. Jim is an active member of the Northwest Section of ARMS. He puts out a pretty good

signal on 75. Even Dave, W5PQL, up in northwest Washington copies him most of the time.

We miss all of our old members and would like very much for you to become active with us again.

—Bob, WA7BYD,
Northwest Section Director

Midwest Section

The Midwest Section of the Amateur Radio Missionary Service met together in Christian fellowship Saturday, August 14, 1999, at Mankato, Minnesota. There were 24 in attendance. The initial gathering took place at the home of Vicky and WAØDFT = Arnie. A time of reacquainting and refreshment was enjoyed as the members gathered.

At noon, the assembled group travelled to the Old Country Buffet restaurant. Table grace was led by KGØEC = Herb preceding a delicious meal.

The meeting, held in a most comfortable meeting room of the restaurant, was called to order by Midwest Section Director WAØDFT = Arnie. Minutes of the previous annual meeting were read by Secretary WBØEJA = Elaine. A motion to approve the minutes as read was made by KØGAZ = Jay, seconded by KØRGO = Ray. Motion carried.

The first topic of discussion concerned officers of the Midwest Section for the coming year. A motion to retain the current slate of officers was made by WAØJGT = Keith, seconded by KØGAZ = Jay. Motion carried. Therefore, for the year to come, these people will hold office: section director: WAØDFT = Arnie, vice-director: KØOAV = Don, secretary: WBØEJA = Elaine, net manager: WAØTFC = Karl, chaplain: KØLHJ = Neal.

Discussion was held concerning the date and location of the next annual meeting. It was agreed that the second Saturday in August—the 12th, 2000—would be an acceptable date. By acclamation the location was decided to be

—Continued on the next page

Ham radio still serves overseas missionaries

by Dave Shortess, W5PQL

When I became a Christian in 1968, I had been a ham for 10 years. However, the church I was attending in New Mexico was not especially evangelical, and there was never any mention of missionaries. But, with time, I began to learn of the vital work that missionaries perform in taking the gospel to all parts of the world.

Over the next few years I heard of the role that ham radio played in the lives of missionaries isolated in remote regions, and I began looking for some way that I, as a ham, could be a part of that. In 1975 I ran into ARMS, the Amateur Radio Missionary Service. I figured this organization would help me to get in touch with overseas missionaries, so I

joined. For several years I checked into the Rocky Mountain Section ARMS Net on 75-meters.

But my dream of contacting missionaries by radio didn't pan out. For one thing, I was limited to a 75-meter antenna, so reliable overseas contacts were not possible. Also, my job was taking more and more of my time, so I was becoming a very inactive ham. In fact, at one time I considered selling my equipment and letting my license lapse. However, my wife said that after I retire I might want to get active again, so I ought to hang onto it. How right she was!

In 1991 I retired and we moved to the Port Angeles area on the Olympic Peninsula in western Washington State.

I was still an ARMS member, so after I put up a tower and bought a beam, I began checking into the ARMS 20-Meter Net. However, I was told that faxes, and later e-mail, had pretty much replaced ham radio for missionaries, so I still didn't see any means of fulfilling my dream. Then the Lord used something completely unrelated to accomplish that.

About five years ago I designed and built a small, one-man sawmill. It was a carriage and track arrangement on which was mounted a portable band saw called a RipSaw®. The western sales representative for RipSaw® encouraged me to write up a construction manual for the mill and offer it for sale. He agreed to send me the names and addresses of all his RipSaw® customers. So I did, and sent fliers out to all the names he gave me. My e-mail address was on the flier.

About a year later I received an e-mail from one of those RipSaw® owners. He

—Continued on the next page

Continued from previous page—

Mankato.

A collection was taken to defray costs of preparation and mailing of the meeting announcements.

The business meeting was adjourned and the remainder of the get-together included the following:

A reading of Proverbs 31 as "paraphrased by Arnie."

KGØEC = Herb told of his and XYL NØSZA = Ardys' involvement with "Praise Network, Inc." Christian radio stations, of which Herb serves as president and Ardys as business manager, as well as carrying on other duties when needed.

WBØHJG = Dean spoke of his work with the HCJB Engineering Center in Elkhart, Indiana and displayed a 3.2 MHz silverplated transmitting capacitor, which was most impressive.

WAØDFT = Arnie and XYL Vicky enthusiastically recounted just a few of their many experiences and tours during their recent extended stay in Borneo.

WØQPX = Jerry brought the members up to date on his information concerning the building of the third temple in Jerusalem.

WB9GGK = Dave gave an abbreviated summary of his and XYL Marge's involvement in the Lord's work where they use their talents at camps and retreats.

KØOAV = Don told of his and XYL Barbara's work in RVICS (Roving Volunteers in Christ's Service). This winter they will be involved with building and maintenance in Arizona.

WAØJGT = Keith spoke of his change of employment and concern for his children as they enter their chosen profession or attendance at a university.

The time of most enjoyable fellowship was brought to a close by WAØTFC = Karl as he sang *a cappella* "Open Our Eyes, Lord," which touched the hearts of all those present:

WAØDFT = Arnie and wife, Vicky

KØOAV = Don and wife, Barb

WAØTFC = Karl and mother, Mary Alice

Margie Schenk

NØBBI = Mary and daughter, Mary Esther

KØGAZ = Jay and wife, Dottie

WB9GGK = Dave and wife, Marge

KGØEC = Herb and wife, NØSZA = Ardys

WBØHJG = Dean and wife, Eloise

WBØEJB = JR and wife, WBØEJA = Elaine

NØVF = Lloyd

WØQPX = Jerry and wife, Mary

WAØJGT = Keith

KØRGO = Ray

—WBØEJA = Elaine Wigen,
Midwest Section Secretary

Notice!

The 2000 meeting of the Midwest Section of ARMS will be held on Saturday, August 12 in Mankato, Minnesota. It will start at the home of Section Director, Arnie Kopischke, WDØDFT, and proceed to the Old Country Buffet. Look for details in the next issue of The BEAM.

Continued from previous page—

said he had some questions about getting parts for the mill, since he was living in Papua New Guinea. His name was Mike Sweeney. I thought, "What is this American doing in Papua New Guinea? I wonder if he's a missionary?"

When I e-mailed him back with the answers to his questions, I asked him why he was in PNG. He replied that he was a missionary, working with Pioneer Bible Translators. Although he usually was doing translation work in a small village far out in the bush, he was then on temporary administrative assignment in Madang, a city on the northeast coast of PNG. I immediately e-mailed back that I am a believer, that we attend a very mission-minded church. I also said I am active in a Christian ham organization—ARMS. In his reply, he said that he, too is an active ham, P29MS, and that perhaps we could meet on the air sometime.

I sent another e-mail with my call and expressing the desire to set up a sked. I asked him for a good time and frequency for him. He replied that 15-meters was usually good and suggested 2100 Z on Friday, which would be 2:00 p.m. for me, and 7:00 a.m. Saturday for him. The first week the band was dead, but a week later we made it. We have maintained that schedule, more or less depending on band conditions and his work schedule, for the past couple of years. He is married, and they have two teenage sons.

Last summer Mike completed his Madang assignment and they returned to the bush in a village which is a four-hour hike from the nearest dirt air-strip. While e-mail to Madang was easy, getting e-mail to the bush is another story. It has to go to Madang where they put the message on a floppy disk. Then, when somebody happens to be going out to the village, which isn't often, they carry the disk along. However, Mike does have his ham radio set up out there in the bush. He has a solar panel/battery arrangement that gives him 12 volts. He also has a 120/240-volt generator. He has

a triband beam on a bamboo pole and a 100-watt transceiver. So our schedules continued after his move.

What have these contacts, many of which go for an hour, accomplished? First, it has given Mike a chance to chat with a believer from back home. (He was originally from Portland.) He had no other motive than that. He did buy the construction manual, but has yet to start on the construction of the mill. He made no plea for money or anything like that. He just wanted a chance to fellowship. For me it has been an opportunity to talk on a regular basis with a missionary, a Bible translator living in the bush, and to learn of the trials and challenges that these folks face on a daily basis.

This past September, the Sweeneys returned to the States for a year furlough, so our skeds are on hold for a year. However, they will be living in Portland, which is about a five-hour drive from Port Angeles, and he has promised to come to see us sometime during this year. Mike has a brother in Gig Harbor, Washington, which is also here on the peninsula, yet another incentive for them to get up this way.

But this isn't the end of the story. One Friday afternoon I was calling Mike and getting no reply. After a few minutes, another station came on frequency calling me. It was P29VR, and his name was Vern Robinson. He too is a missionary in PNG, with New Tribes Mission, and is located in the highlands in Goroka, a town about 100 miles from Mike. He knew Mike through a local 75-meter net there. So we began to chat. It turns out that he is a retired Boeing engineer from Seattle doing avionics with NTM. Not only that, his wife was from Clallam Bay, Washington, which is about 40 miles from our home, and when he was in college, he worked one summer in the Olympic National Park, which is just to the south of us. He knows our area very well. The world was getting smaller all the time.

Early last summer I learned the Britt and Gayle Hemphill, NTM missionar-

ies from PNG would be speaking in our church. The Hemphills are from Port Angeles and were home on furlough. Since Vern and the Hemphills were both with NTM and were both in PNG, I asked Vern if he knew them. He laughed. "They're home on furlough now," he said, "but when they are here they live two doors up the street from us!" That Sunday evening when the Hemphills spoke at our church, I told them, "I bring you greetings from Vern Robinson," to which they replied, "You must be a ham!" The Hemphills have now returned to PNG, and I look forward to talking with them one of these Fridays, via P29VR.

Do missionaries still use ham radio? Maybe not in the same way they used to, but there is still a definite need. If this is your desire, pray to the Lord that he will bring an overseas missionary ham in need of fellowship your way. Not only has the Lord fulfilled my dream of many years, but I have gained two new ham friends and brothers in the Lord. Ephesians 3:20 says that God "...is able to do immeasurably more than all we ask or imagine..." To that I say, "Amen and Amen!"

Treasurer's Report

Balance, June 1, 1998 \$2430.39

Receipts:

Dues	1812.15
Gifts	343.00
Tracts	7.00
Interest earned	29.59
Total	2191.74

Disbursements:

Printing	957.70
Postage	342.49
Total	1300.19

Balance, May 31, 1999 \$3321.94

—Robert J. Hambly, WA7BYD,
ARMS Treasurer

From our members here and there



—from down under

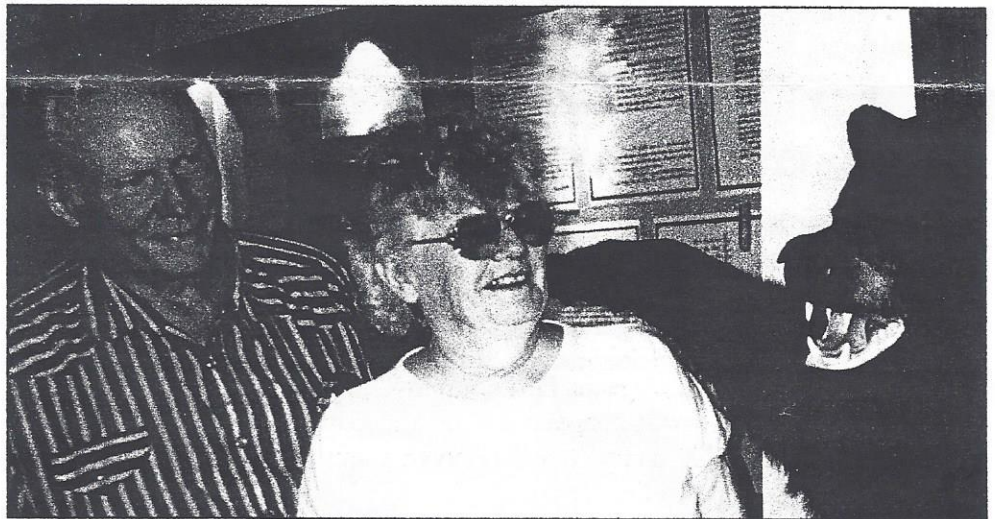
Malcolm Williams, ZL1UE, shared this photo (left) of himself with us recently. Malcolm's home is near Hamilton, on the west side of the North Island of New Zealand. The photo was taken at Sponge Bay near the town of Gisborne, on the east coast of the island. Gisborne is about 400 kilometers (about 250 miles) from Hamilton.

Sponge Bay and adjoining Poverty Bay were named by Captain James Cook in 1769. It is a popular resort area. Notice the people swimming in the bay in the background. The picture was taken in January of this year. Of course, January is the middle of summer in New Zealand.

Malcolm is a long-time member of ARMS. He is able to check into the 20-meter net every now and then, even though it is three or four o'clock in the morning, the next day, for him!

—from north of the border

Peter Thiessen, VE4PP, and his wife, Adeline, are shown at the right apparently receiving a blessing from a "genuine native Canadian." The Thiessens are from Roseau River, Manitoba, Canada. Roseau River is located about 75 kilometers (45 miles) south of Winnipeg, and 20 kilometers (12 miles) north of the Minnesota border.



On the other hand, one might think that the bear was "making a pass" at Adeline, but Peter assured us that the animal was full of stuff and nonsense, and was completely harmless.

Peter and Adeline enjoy gardening. They have abundant flowers and a very ample vegetable garden. Peter puts a very nice signal into the 20-meter net most mornings.

I am much afraid that schools will prove to be great gates of hell unless they diligently labor in explaining the Holy Scriptures, engraving them in the hearts of youth. I advise no one to place his child where the Scriptures do not reign paramount. Every institution in which men are not increasingly occupied with the Word of God must become corrupt.

—Martin Luther

We welcome our new members!

William Gwyer, KD4HAJ
PYH-0201 Venezuela
P.O. Box 02-8537,
Miami, FL 33102

H. Stan Treeby, VE3HT
104 Cottonwood Dr.
Don Mills, ON M3C 2B4
Canada

Vernon D. Ohlhauser, VE6AF
510-33 Arbor Grove Cl., NW
Calgary, AB T3G 4K2
Canada

John W. Campbell, W3BRS,
206 Carroll Heights Rd.
Taneytown, MD 21787

Don Jensen, KC7WV
P.O. Box 8987
Catalina, AZ 85738

James Polly, KØJOP
14501 W. 51st St.
Shawnee, KS 66216

Howard D. Hauskins (Assoc.)
423 Summer Circle, NE
Cedar Rapids, IA 52402

Silent Key

We recently learned of the passing of ARMS member J. Russell Killman, WA6KUA, on July 7, 1999. He was 78.

Russ was a retired pastor, writer and missionary living in La Crescenta, California. He and his wife, Ginny, served for four years in Hong Kong.

In recent years he was involved with the program, *The Heaven and Home Hour*. Both Russ and his wife wrote regularly for the program's monthly magazine, *The Transmitter*. -- --

Millennial thoughts

As we look forward to the arrival of year 2000, there is a good deal of talk about things "millennial." There has been an on-going argument in the "letters" sections of our newspapers as to whether the new millennium begins at 12:00 midnight on December 31, 1999, or on December 31, 2000. In other words, is the first day of the third millennium AD, January 1, 2000, or January 1, 2001?

Those who support the January 1, 2001 date argue, correctly, that, when the current calendar system was set up, based on the presumed date of the birth of Christ, there was no provision made for a "year 0." The first year AD was 1 AD. The year just prior to that was called 1 BC. There was no year 0 (AD or BC) between them. Thus, the end of the first year of the Christian era came on December 31, 1 AD, and the end of the first decade came after ten years had elapsed, on December 31, 10 AD. The second decade started on January 1, 11 AD. The same reasoning applies to the marking of the end of the first century, coming after December 31, 100 AD, with the second century starting on January 1, 101 AD. Obviously, the same principle applies to the turn of the millennium as well, with the second millennium start-

ing on January 1, 1001, and the third millennium beginning on January 1, 2001 AD.

Those who support the January 1, 2000 date say it is just common sense that the new millennium will start when all the numbers change. However, those who will celebrate that date aren't celebrating the new millennium, they are celebrating the "turning over of the odometer."

We are very accustomed to watching the odometers of our cars click over, and when it reads 1000.0, that means that the car has travelled exactly 1000 miles. There is a mile "zero" on the odometer, and during the first mile of the car's life, the odometer reads 00000.1, 00000.4, 00000.7, etc. Our son owns a 1967 Volvo, and when his odometer turned over 250,000.0, he stopped the car along the road, put a sign on top of the roof that read "A quarter million miles," and had a party right on the spot. He was correct in his calculation.

The same thing is true of another very familiar milestone—our ages. During the first year of our lives we are zero years old. We talk about a baby being four days old, or six weeks old, or seven months old. We never put "zero years" ahead of that; it is just assumed. But it

is there.

All the millennium confusion has been compounded by the computer glitch popularly known as the "Y2K (year two thousand) problem" or the "millennium bug." This bug will begin to do its dirty work on January 1, 2000, when the odometer turns over, and is properly called the Y2K problem. The term "millennium bug" is a misnomer.

Of course, if you want to get really technical, ask yourself the question, "What are we really counting?" If we want to celebrate 2000 years since the birth of Jesus, we may be too late. There apparently was an error in setting up the current calendar. Some say that Jesus was probably born around 4 BC. If this is so, his 2000th birthday has already passed us by.

When it comes right down to it, there will be a whole lot of celebrating on the night of December 31, 1999, a lot more, I dare say, than there will be a year later on December 31, 2000. What actually will we be celebrating? The start of a new millennium? No. We will be celebrating the turning over of the odometer. The changing of all the numbers. And that's fine. It is certainly something worth celebrating. It is something that none of us has ever seen. However, the fact remains that the new millennium won't begin for another year.

—Dave Shortess, W5PQL

Gospel Tabernacle founded by Paul Rader. He saw the effectiveness of the tabernacle radio ministry on WJBT and felt God's call to establish missionary radio. In 1930 he visited Venezuela, Colombia, Panama and Cuba seeking a permit, but all doors were closed.

Back in Chicago the Joneses met Reuben and Grace Larson who had pioneered a mission in the jungles of Ecuador under the Christian & Missionary Alliance. Reuben said he and the other C&MA missionaries could get a permit in Ecuador, which they did. Jones got the equipment, and on Christmas Day, 1931, a 200-watt transmitter in a renovated sheep-shed, located high in the Andes Mountains, became the world's first missionary radio station.

Founders were the Joneses and Larsons, along with D.S. and Irma Clark, and J.D. and Ruth Clark (D.S. and J.D. were brothers who had come to Ecuador from Brazil with the C&MA), and Paul and Bernice Young, who worked with the Bible societies in Ecuador. HCJB's power grew to three transmitters of 1,000 watts each by 1940.

From the beginning, the concept was to minister directly to the people as

well as broadcast to them. Thus was born a sound-bus ministry, evangelistic meetings and an outstanding public relations image.

The station, by contract, is apolitical, and by internal policy has always given a positive message centered on Bible teaching and appli-

cation of biblical principles. Through many revolutions and political changes those policies have endeared HCJB to the people and authorities in Ecuador. The station has always emphasized live programming done by program people from the countries where broadcasts are targeted.

In 1939 HCJB World Radio bought the presently-owned property on the north side of Quito. Towers and antennas were built on the grounds. Clarence Moore built the first 10,000-watt transmitter at the LeTourneau plant in Peoria, Illinois. It went on the air in Quito on Easter Sunday 1940. To use its power more effectively, Clarence invented the cubical quad antenna, now familiar to hams around the world.

Shortwave signals began to reach the far corners of the world, and programs in languages other than Spanish and English began. During World War II NBC made a contract for HCJB to re-broadcast news and commentary programs in Spanish to local Ecuadorian audiences. The income from that project helped build the broadcast center which is still in use today. In 1949 HCJB became partners with HOXO in Panama which remains one of its worldwide ministries.

In the early 1950s a small clinic was established to minister to Indians bringing their goods to the Quito markets. A Sunday school and church grew in the rented building. In 1955 land across the street from HCJB was purchased and Hospital Vozandes was built headed by Dr. Paul Roberts from Canada. At the same time an adjoining property was purchased and the Iñaquito Evangelical

Church was built. This church, now under local leadership, is one of the largest in Quito. A few years earlier a campaign held in the bullfight arena resulted in the establishment of the Divine Redeemer church, Quito's second evangelical church. Other churches have also been started by HCJB World Radio missionaries.

Missionaries in the Amazon rainforest asked the mission to establish a medical work there and Hospital Vozandes-Shell was built under the lead-

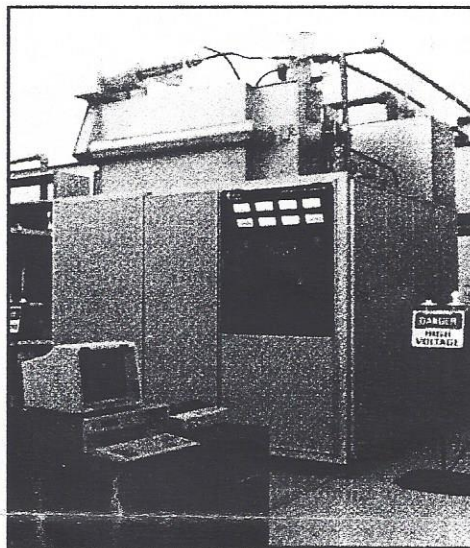
ership of Dr. Ev Fuller. The Health Care Division still operates these two hospitals as well as community services that include mobile medical clinics, urban clinics, rural health facilities and community development programs.

HCJB World Radio started Channel 4 TV station in Quito in 1959 and operated it until 1973.

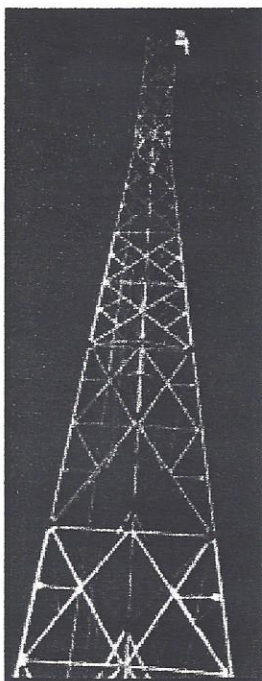
Televozandes continues to produce programs for television and partners with Asomavision, a national TV network.

In 1956, on the 25th anniversary of its founding, a 50,000-watt, band-switching shortwave transmitter was installed. It was built by HCJB's missionary engineers and national technicians. In the 1960s FM radio broadcasting was added, and HCJB's main transmitting facilities were moved to their present site at Pifo, 15 miles east of Quito.

In 1969 HCJB World Radio added three 100,000-watt shortwave transmitters made by RCA. The HC500 (500,000 watts) was built in the late 1970s by a team at facilities provided by Crown International in Elkhart, In-



One of the four HC-100 100,000 watt shortwave transmitters at HCJB



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diana. It went on the air in 1981. The Elkhart team continues to build 100,000-watt transmitters which have replaced the RCAs and are used by other missionary broadcasters. They also design and assemble the "suitcase FM radio station" being used by partner ministries in many countries where HCJB's people assist local groups in establishing radio stations and recording studios.

A cooperating ministry, World Radio Network was established in Texas in 1976. It was led by Dr. Abe Van Der Puy after he had served 20 years as president of HCJB World Radio. The network has FM stations along the U.S.-Mexican border from Texas to Arizona.

The mission's international headquarters moved from Miami to Colorado Springs in 1992. In a joint project with Trans World Radio, HCJB World Radio established the *Alas* satellite network for all of Latin America in 1993. The mission's first official office/studio in Eastern Europe was established in 1994 in Kiev, Ukraine.

Broadcasting

HCJB World Radio operates one of the world's largest shortwave radio stations. The broadcasts go out from Quito in 12 languages and 22 dialects, and the station receives some 60,000 letters from listeners in 115 countries each year. They work with other missionary broadcasters in the *World by 2000* goal to make gospel broadcasts available to everyone in languages they can understand by the year 2000. Programs are also aired from other international broadcasting sites such as Seychelles, Swaziland and the U.K.

Making the broadcasts from Ecua-

dor possible is a highly qualified engineering staff. Shortwave broadcasts are powered by a hydroelectric plant in Papallacta that harnesses energy from Andean lakes and rivers. The transmitter site in Pifo features 11 shortwave transmitters, ranging in size from 10 to 500 kilowatts.

Staff at the Engineering Center in Elkhart, Indiana, design and build antennas, high-power shortwave and low-power FM transmitters as well as re-



Waiting at the HCJB mobile medical unit in rural Ecuador

cording studios. These are installed at sites around the world.

- **Local radio.** Through "radio planting" HCJB World Radio works with local partners to establish local Christian radio ministries throughout Europe, Asia, Africa and the Middle East. HCJB provides equipment, technical support and training while local partners run the stations. Already radio-planting ministries have been established in more than 30 countries.

Local AM and FM stations reach the growing urban areas where shortwave listening is less common. HCJB World Radio operates seven local stations in Ecuador, reaching a potential audience of 5 million. The mission also has AM and FM stations in Panama (HOXO) and 12 FM outlets along the U.S.-Mexican border (World Radio Network) where 4 million people live, including 3 million in Mexico.

- **Satellite radio.** HCJB World Radio, together with Trans World Radio, operates *Alas* (the Spanish word for "wings"), Latin America's first Christian satellite network. The network distributes Spanish Christian programming to more than 60 affiliate stations in 12 countries. Listeners are invited to call follow-up centers with their questions and concerns.

- **Television.** Televozandes, HCJB World Radio's television ministry based in Quito, provides Christian TV programming to Latin America through the production and distribution of programs for both broadcast TV and videocassettes.

Health Care

HCJB World Radio has a tangible outreach to needy people in Ecuador, offering a wide range of health care and educational services in a Christ-

centered setting.

- **Hospital Vozandes-Quito.** Each month the mission's city hospital serves more than 6,000 patients. Every year hundreds hear and accept the gospel through the witness of the chaplains and medical staff. The hospital is affiliated with three Ecuadorian universities as their staff members train more than 50 interns, externs and residents each year.

- **Hospital Vozandes-Shell.** Located at the edge of the Amazon jungle, Hospital Vozandes-Shell serves a vast area where health care facilities are rare. Each month the hospital serves more than 1,200 patients.

- **Vozandes Community Services.** Staff members provide basic health care to thousands of needy people in six provinces of Ecuador through ministries such as mobile medical clinics, fresh water systems, research of tropical dis-

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eases and family practice clinics.

Training

• **Apoyo** (the Spanish word for “support”) is a cooperative effort of HCJB World Radio and Leadership Resources in the U.S. They work with Latin American churches by helping in three areas: evangelism (crusades and camp outreach), edification (family life conferences, Christian education seminars, youth and women’s ministries and Bible studies), and equipping (Bible training for church leaders).

• **Christian Center of Communications** is a three-year program of higher education for Latin American young people, integrating communications and theology. Each year the CCC graduates about 10 students.

• **Radio training worldwide.** They offer regular training for radio students in Ukraine, New Zealand and the United Kingdom. In addition, on-site training is provided for their local partners in locations around the globe.

Enabling

At the heart of HCJB World Radio’s

Strange Call

A good friend of mine in Capetown, South Africa, Pastor John Thomas, wanted to reach the whole city with the gospel, so HCJB partnered to put in a radio station. In just these first couple of years, we’ve seen incredible results.

Recently, late one evening, Pastor John received a strange phone call asking him to come and pray with a high government official who was ill.

As John finished praying, the man who was ill – President Nelson Mandela – whispered to him, “Mr. Thomas, your radio station is the one I listen to.”

Philippians 2 says, “Shine among them like a beacon, holding out the Word of Life.”

—Ron Cline, President,
HCJB World Radio

ministries is the international headquarters in Colorado Springs. The corporate office gives overall direction and leadership to the organization, overseeing

efforts such as resource development and communications. The International Radio Group helps coordinate broadcast relations and radio planting around the world.

Offices and studios in 12 countries have been established to represent the mission, assist local ministries and recruit missionaries. Some offices are used to produce radio programs and train local Christians. Representation sites in eight countries also help make the mission known. Field direction in Quito oversees the ministries of over 250 missionaries and 430 Ecuadorian employees.

HCJB exists to communicate the gospel of Jesus Christ to all nations so that people are transformed and become an active, vital part of the body of Christ. Further information about HCJB can be obtained at:

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Mt. Guagua Pichincha volcano heats up—again

The mayor of Quito upgraded Ecuador’s warning on the Guagua Pichincha volcano to “orange” from “yellow” recently, indicating that the volcano, 7.5 miles from the capital, could erupt in days or weeks.

“There is a good chance that this will end in an eruption. This isn’t water and heat anymore. We’re talking about the probability of having magma included,” said Hugo Yepez, director of Ecuador’s National Geophysics Institute.

Institute scientists said if and when the volcano bursts, devastation for Quito and its 1.4 million is “highly unlikely.” The city would be shielded from a lava



eruption by the taller Ruco Pichincha peak which overlooks the city. Guagua Pichincha is 1,320 ft. lower than Ruco Pichincha, and its crater faces away from Quito. But ash fall remains a threat.

HCJB World Radio and other mission organizations in Quito are making preparations in the event of an eruption. Classes have been suspended indefinitely at the Alliance Academy in Quito where many missionary children attend.

Both the radio station and Hospital Vozandes-Quito have detailed emergency plans ready to swing into action at a moment’s notice. Meanwhile, HCJB is sending out a message of hope to listeners. “While we want to keep people informed, our main goals include weaving in the gospel message and preventing panic,” they said. -- --



Nations in the Promised Land

I will...destroy all the people to whom thou shalt come, and...all thine enemies [shall] turn their backs unto thee. —Exod. 23:27

Across

- 1 "Now the ___ shall live by faith:" (Heb. 10:38)
 5 Micah follower
 10 "And there ___ certain man at Lystra," (Acts 14:8)
 14 "...no ___ will pitch his tent there," (Is. 13:20, NIV)
 15 Enraged
 16 A tenth of an ephah (Ex. 16:36)
 17 A **NATION** Israel encountered in the Promised Land (Ex. 23)
 19 "...that nothing be ___," (Jn. 6:12)
 20 "___ woe is past;" (Rev. 9:12)
 21 ___ Moines, Iowa
 22 "...which trieth our ___," (1 Thes. 2:4)
 24 Wallet fillers
 26 "Or if he shall ask an ___," (Lk. 11:12)
 29 Sprint rival
 30 "...he ___ to Moses," (Rom. 9:15, NIV)
 31 Growl
 32 Bright tropical fish
 35 Rocky hill
 37 V.I.P. transport
 39 Ages
 40 "What's that?"
 43 Another **NATION**
 45 "And Jacob ___ pottage:" (Gen. 25:29)
 46 "...___ have loved you," (Jn. 13:34)
 47 "...as if he blessed an ___," (Is. 66:3)
 48 Course for some U.S. citizens-to-be
 50 "The apostles and the elders ___ consider this..." (Acts 15:6, NIV)

Unless stated otherwise, scripture verses are taken from the King James (Authorized) Version of the Bible.

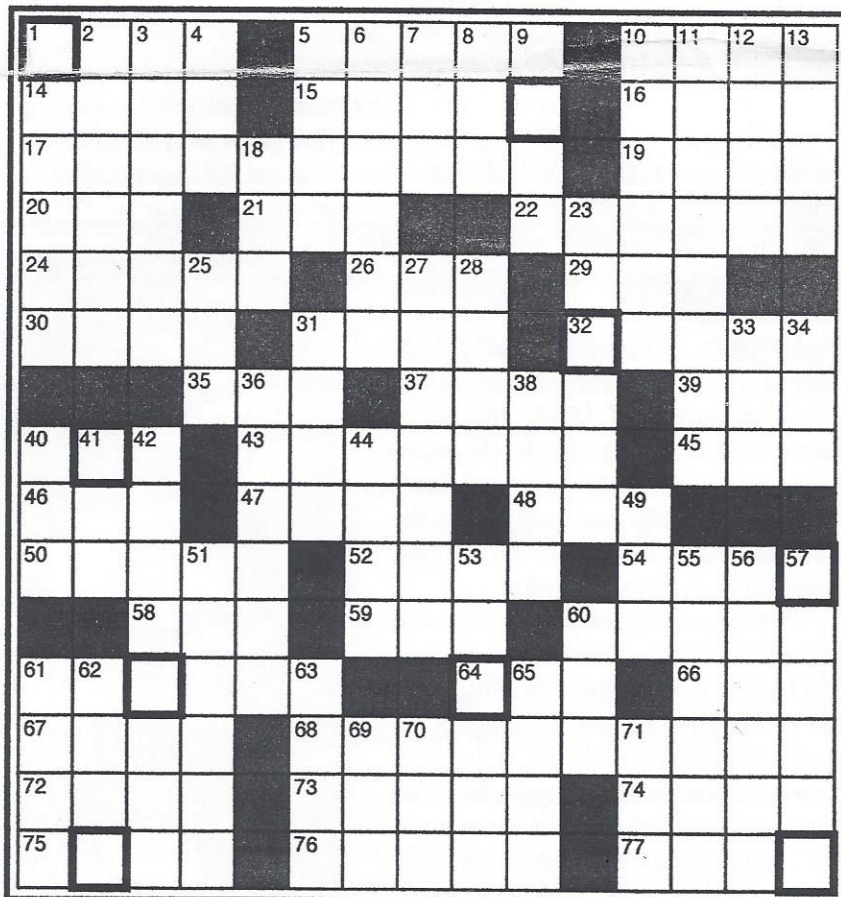
- 52 "...I have ___ him to the Lord." (1 Sam. 1:28)
 54 Greek god of love
 58 KLM rival
 59 Boston ___ Party
 60 "How right they are to ___ you!" (S.S. 1:4, NIV)
 61 "...our houses to ___," (Lam. 5:2)
 64 Spread hay
 66 Wilderness (Ex. 16:1)
 67 "...record this ___," (Eze. 24:2, NIV)
 68 Another **NATION**
 72 Got an A
 73 "...behold, ___ was opened in heaven;" (Rev. 4:1)
 74 Unit of heredity
 75 "...a ___ of meat from the king." (2 Sam. 11:8)
 76 "...the fortified ___ ruin," (Is. 25:2, NIV)
 77 Table scraps

Down

- 1 "Now ___ well was there." (Jn. 4:6)
 2 Muse of astronomy
 3 With rationality
 4 Schedule abbr.
 5 "...and ___ parts to dwell in other cities." (Neh. 11:1)
 6 "...that wicked men have ___ among you..." (Deut. 13:13, NIV)
 7 Pass the ___ (take a collection)
 8 Colorado native
 9 "...and he wanders into its ___," (Job 18:8, NIV)
 10 "...let us ___ ourselves with loves." (Pr. 7:18)

- 11 Another **NATION**
 12 "...but ___ the spirits to see..." (1 Jn. 4:1, NIV)
 13 "Many of them also which used curious ___," (Acts 19:19)
 18 Commercial
 23 Decorate in relief
 25 WWII craft
 27 "...he departed into ___;" (Mt. 4:12)
 28 Clamp together tightly, as teeth
 31 Power distribution network
 33 "...is there any thing ___ hard for me?" (Jer. 32:27)
 34 "___ it came to pass..." (Lk. 2:1)
 36 Akron resident
 38 "...and ___ for the master's use," (2 Tim. 2:21)
 40 Canaan's father (Gen. 9:18)
 41 "...that ___ their tongues and say," (Jer. 23:31)
 42 Another **NATION**
 44 Unit of electrical potential
 49 "...they ___ him away," (Mt. 27:2)
 51 Scotch fabrics
 53 "...O ___ not desired;" (Zep. 2:1)
 55 List of names
 56 Far East
 57 "...have their ___ exercised to discern..." (Heb. 5:14)
 60 Wood-cutting tool
 61 Grandfather of Enos (Lk. 3:28)
 62 "And thou shalt put it on a blue ___," (Ex. 28:37)
 63 "...he ___ on the ground," (Jn. 9:6)
 65 "...and of ___ the priest, the scribe." (Neh. 12:26)
 69 Tokyo, once
 70 "...and a ___ of new timber:" (Ezra 6:4)
 71 "...because ___ to the Father." (Jn. 16:16)

The letters which turn up in the bold squares spell the name of the sixth **NATION**.



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