

The BEAM

ARMS Christian
Fellowship Group



Volume 44, Number 1

Spring, 2000

ELWA back on the air

The following article is based on information supplied to us by Orbra W. Bliss, W9GEK, with the HCJB World Radio Engineering Center in Elkhart, Indiana.

For the first time in nearly four years, SIM radio station ELWA in Monrovia, Liberia (West Africa), is sending out programs via shortwave, reaching the entire country and beyond with gospel broadcasts. Shortwave programming resumed on Wednesday, February 9, four years after the station was destroyed during Liberia's civil war in 1996.

—Continued on page 11—ELWA

Dues and election time

It's dues time again. The ARMS fiscal year runs from June 1 through March 31, so the \$8.00 dues for 2000-2001 are now payable. Send in the pink slip included with this issue of The BEAM in order to renew your membership for another year.

Every three years we elect officers. Since the current officers, President Charlie Cox, K7AQ, Vice President Jay Sudenga, KØGAZ, and Secretary-Treasurer Bob Hambly, WA7BYD, are willing to serve another term, and the nominating committee, Ora Gifford, KE7BF, chairman, Pat Person, K7YIR, and Chuck Winter, N7AAG, knew of no other members aspiring to these offices, they are presenting these three for re-election. Vote by marking the appropriate box on your membership renewal form. . . .

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

Know your missionary organizations—

Far East Broadcasting Company (FEBC)

World War II ended in August, 1945 with Japan's surrender, and with it came the return of many soldiers from those remote parts of the world in southeast Asia. Two of those veterans of the war in the South Pacific were John Broger and Robert J. Bowman. As they looked back on their war experiences, they were moved by the spiritual darkness that they had seen



throughout that part of the world. Their involvement in radio work led them to believe that that medium could be used effectively to reach the millions of people

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The BEAM

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Vice President..... Jay Sudenga, KØGAZ
Secretary/Treasurer..... Bob Hambly, WA7BYD
Assistant Secretary/Treasurer..... Ora Gifford, KE7BF
20-Meter Net Manager..... Harold Jones, KI5KF

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Eastern..... Larry Hodge, W2PT
Central..... (vacant)
Southeast..... Denis Parker, WD4ACH
Midwest..... Arnie Kopischke, WAØDFT
South Central..... (vacant)
Rocky Mountain..... Geno McGahey, NRØNR
Northwest..... Bob Hambly, WA7BYD
Southwest..... Dan Hough, KA7BHS
Canada..... Jim McAuley, VE4ID

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 editor's desk:

With this issue I decided to indulge in some nostalgia, some reminiscing from the past. Not that I am such an old-timer in ARMS. I joined ARMS in 1972, but I was not really active until after I retired in 1991.

However, there are several features in this issue that take us back to the earlier days of ARMS. One is a reprint of an article that originally appeared in a 1974 issue of the *Good News Broadcaster*. It is found on page 8. It was written by Chuck Brockmeyer, WØETA, who was the secretary of ARMS at the time. The other bit of nostalgia is a listing of all of the ARMS officers, past and present, on page 12.

It is interesting to note the similarities and the differences between ARMS then and now. Originally, officers were elected each year. Today they are elected every three years. Up until 1965, all the officers were from the east, 2s and 3s. This reflected the fact that ARMS was started in Philadelphia.

However, Christian fellowship on the air remains an important part of ARMS. Today, just as 25 years ago, new members learn of ARMS by hearing scripture and testimonies on the ham bands. We will never know how many seeds may have been planted over the years by ARMS members as they bring the gospel to life on the air.

Your editor has a new call

You will notice that I now have a new call. My old 5-call has created some confusion since I moved to Washington state in 7-land. Also, I thought, why not go for one that has more meaningful phonetics. I checked the QRZ.com website, and when I saw that W7PTL was available, I grabbed it. Unfortunately, the new ARMS directory was already printed when my new license arrived, so I am still listed as W5PQL there.

We now have a new officer in ARMS

The current election of officers has precipitated the development of a new office in ARMS. Several years ago the offices of secretary and treasurer were combined, with Bob Hambly, WA7BYD, filling both shoes. Bob is willing to continue on, but it is a big job, and he has asked for some help. As a result, Ora Gifford, KE7BF, of Grandview, Washington, has consented to serve as Bob's assistant.

—Dave Shortess, W7PTL (ex-W5PQL)

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, W7PTL, 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.

Missionary reports

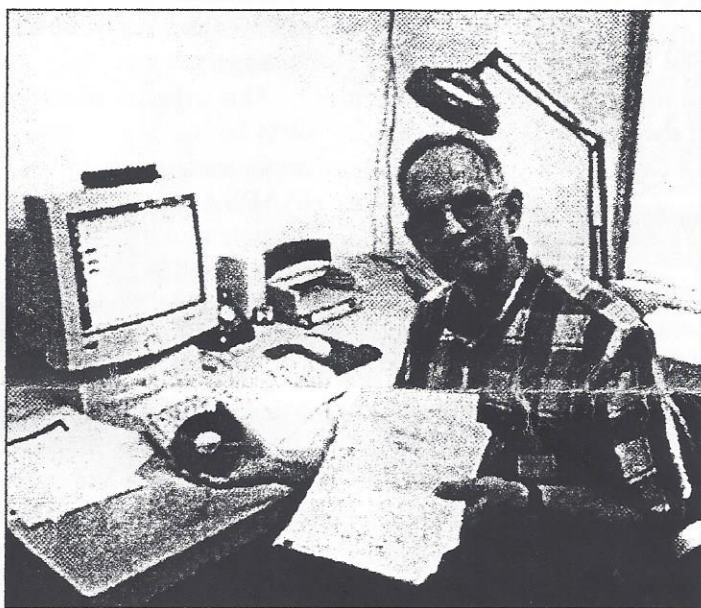
Leon (DU2/WX6I) and Sally Winter, Philippines

Sally writes:

How do we, as Wycliffe support members, help the cause of Bible translation? In my years as a single member in the Philippines, I was involved in a translation and literacy project with the Koronadal Blaan people on the southern island of Mindanao. Now, I'm in an entirely different form of work. After going back to school and then marrying Leon, I became a teacher of missionary kids.

What does that have to do with the job of giving the written Word of God to people in their own tongue? Well, I give translators time. It takes years to translate the New Testament into another language. Even with the use of computers, it has to be done verse by verse, with a translation assistant at your side. It takes many checks to make sure the result is accurate and natural. By teaching, I give translators with children hours and hours that they would otherwise have to spend home-schooling. Considering I spend about 5-1/2 hours a day for 180 days of the year teaching these kids, I give translators 990 hours a year of time to put into their translation work. That breaks down to about 124 working days! Not a bad thing to give them, huh? And to make it even better, I LOVE what I do!

Some of you are teachers and wonder what it's like to teach here. Planning is the same whether you have 25 students or 5, but I have to work weeks ahead. Another big difference comes with grading papers. Five definitely is easier than 25! One challenging twist to teaching here is that I have



two grades to cover. While I'm teaching math to the third graders, the fourth graders sit outside on the school porch and read together. Then after morning recess we switch. It takes a bit of a juggling act, but the days are full and there's no time for boredom.

Leon writes:

How does one of my jobs fit into the goal of giving the written Word of God to people in their own tongue? Perhaps the best place to start is with the picture below. I'm holding an old linguistic journal and a blank CD. With a bit of work, it is possible to take all the information in this research journal and "write" it onto the CD.

Why is this important? These journals contain research work done by Bible translators as they study each language. This analysis helps them make an accurate translation of God's Word. There are many of these journals covering the work since

the beginning in 1953. They represent a treasure that should rightly be available to the Filipino people, for it helps define their heritage.

Working now to preserve this research data is vital for another reason. The book in my hand, and many others, are falling apart. Perhaps you can see the sad state of the one I'm holding. It's 1-1/2 inches thick, but I must hold it carefully lest its pages come apart.

Preserving these books is the current project I'm working on. The technology is

called Optical Character Recognition or OCR. Each page is put on a scanner and the OCR program "reads" the image of the page and converts what it sees to text. Before this can be saved to a computer file, the text must be checked against the original. Since the program is from the US, it only knows English, so I have to "teach" it Filipino words.

After the text is checked, it can be "written" to the CD for long-term storage. The CD provides easy access for reprinting or for language research. Thus this work from the hands of Bible translators will not be lost. It may be slow going, and even frustrating at times, but I like this work for its potential to serve others. Someday SIL will have finished Bible translation and literacy work here. Won't it be nice to leave this legacy to our Filipino friends?

Saving the old and fading pictures of long ago is another project, but we'll save that for another time.

—Leon and Sally Winter

—Missionary reports continued on the next page

E-mail address problem

Please check your e-mail address in the new ARMS Directory mailed out with this issue of *The BEAM*. I am sorry that a few may be missing or incorrect, as the result of a computer glitch. If you find a mistake, please note the correction on your membership renewal form. —Ed.

—Missionary reports continued

Jeff (KO4TS) and Deb Johnson, JAARS, Waxhaw, North Carolina

The following report is based on an email sent by the Johnsons early in January. —Ed.

The last few weeks have been a real roller coaster in the area of Deb's health. Her CEA (cancer blood marker) was elevated but we were thinking it was a problem with her gallbladder. Her oncologist scheduled her for a gallbladder ultrasound, a CT of her chest/liver and a bone scan. She had all of those tests December 13-15.

The doctor told her on December 14th that her breast cancer has now metastasized to her liver (her lungs are clear). While this is not good news, we WILL NOT LOSE HOPE. Doctor Boyd said that she still has many options for treatment, and December 15th she started the first 14-day cycle of daily oral chemotherapy. She had to quit after 12 days because her hands and feet got really sore. She had over a week off of the medication and she began her second course of chemo on January 7th for 14 days, at a lower dosage, so



far so good with the side effects this time. Please pray that the cancer would respond to this medication so that the ultrasound on January 24th will have improved

significantly. We are thankful that she has no symptoms. Her bone scan showed no new cancer and some areas are greatly improved. Please give thanks to the Lord with us in this good report.

While we were reading in Psalms one morning we were reminded a number of times to praise the Lord. And so even in times of trial we find peace, comfort and strength in praising the Lord. Now she is focusing on that. We are so thankful for God's promise.

Of course our desire is that the Lord would heal her completely from this disease, so that she could live a normal life and see our girls grow up.

—Jeff Johnson

Dave (KE4EW) and Patsy Immel, JAARS, Waxhaw, North Carolina

The Immels and the Johnsons are neighbors in Waxhaw, living less than a block from each other. —Ed.

CHANGES, STEPS OF FAITH—

What would you like to change? Our world is in a constant state of changing. Most of us don't like change and even resist it. It may mean taking a chance or it could improve something. Isn't it nice that some things never change like God's Word (Malachi 3:6).

In our last letter, we mentioned the International Conference that was held at JAARS. As Wycliffe looks ahead into the next few years, changes are inevitable. They will be looking at ways to partner with other missions and organizations. Recruitment and training methods are being evaluated. The move of our headquarters from California to Florida says, "change, it's good!"

Our aviation missions statement reads: "So that Scriptures be made available to every language group and then implemented in the lives of local believers and the church, JAARS Aviation, in dependence on God, links its efforts with partners worldwide to maximize the use of safe and appropriate aviation transportation services."

Our aviation department is making a few changes to help accomplish that goal. A friend of JAARS in Virginia is making available to us a twin engine turboprop aircraft (a Beechcraft King Air). We feel this plane has future potential as a field aircraft. However, we need to familiarize ourselves with its systems and operation before we can commit to using it overseas. I have been asked to help lead this project; learn about the aircraft in an effort to get it in service; and teach other mechanics. In recent months, I have been involved with getting the plane through overhaul, spending a week at a time in Bridgewater, Virginia. Other JAARS mechanics are also helping on this project. We hope to have the plane at JAARS and ready for service by the end of the year.

TEEN MISSIONS, HONDURAS—

Amanda had a great summer missions trip to Honduras. She experienced discouragement, sickness, heat, dirt and being lonesome. She learned to keep her eyes on God, work together with her teammates, patience, that God answers prayer, and that He has a plan for each of our lives. About three hundred people made decisions for Christ or rededicated their lives as a result of her team's witness. She said the verse that summed up her summer was Psalm 126:6 - "He who goes out weeping, carrying seed to sow, will return with songs of joy, carrying sheaves with Him."

OTHER HAPPENINGS—

With our director traveling recently, Patsy has had some

—Continued on the next page

The new licensing regulations in a nutshell

Are you still confused by the new licensing regulations that went into effect on April 15? No wonder. The FCC's Report and Order reads as though everything were starting from scratch. They seemed to forget that there are a lot of licensed hams out there, wondering how they are affected. The press releases put out by ARRL didn't do much to clarify the situation, either. Perhaps this article might clear the muddy waters a little.

The bottom line for licensed hams is, nothing will happen to them. Almost without exception, unless they take steps to upgrade, current licensees will keep their present licenses indefinitely, and they will neither lose nor gain any privileges. All band allocations will remain unchanged. All six license classes will remain unchanged, even through renewals, until the FCC says otherwise.

So what's new, then? The changes, which involve offering only three license classes—Technician, General and Amateur Extra—and one code speed

requirement—5 words per minute for General and Amateur Extra—affect only new licensees and current hams who upgrade. For those people, the Novice, Technician Plus and Advanced licenses are no longer available.

Let's look at the upgrade specifics. Novices can upgrade to Technician by passing the Technician exam. Technician Pluses will get credit for their 5 wpm and need only take the General written exam to upgrade to General. Technicians (except those upgrading from Novice) will have to take both the 5 wpm and the General written exam to upgrade to General. General and Advanced license holders need only take the Amateur Extra written exam to upgrade to Extra.

The exceptions to the above are as follows. Technician Pluses will, on renewal, be classified as Technicians, although they will retain their limited HF operating privileges. The ARRL has appealed this ruling, on the basis that it is too confusing and difficult to regu-

late. The other exception involves Technicians who were licensed prior to March 21, 1987, when the Technician written exam was the same as the General exam, and a 5 wpm code requirement was in effect. Those Technicians will be upgraded to General on request.

The rest of the Report and Order involves volunteer examiners (VEs) and RACES station licenses. There will be no new RACES station licenses issued, and existing RACES licenses will not be renewed. With the exception of those testing for the Extra exam, VEs must hold a license that is higher than that for which they are administering a test. For example, now Advanced license holders can administer the General exam. Only Extra license holders can administer the Extra test.

It took the FCC 115 pages on the internet to say this. The vital facts were deeply buried in historical background and many discussions and arguments, pro and con, on each point. Ah, that's our government for you. — — —

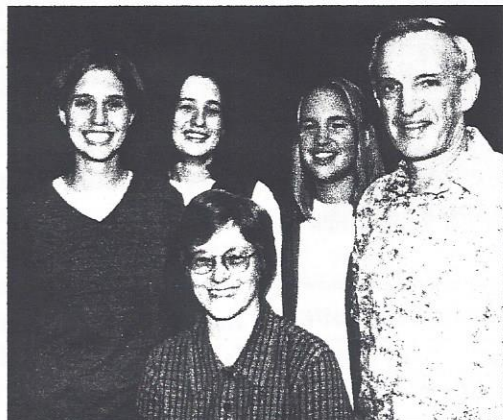
added responsibilities in the office. Our fall Spiritual Vitality meetings kept her busy with planning, ordering materials and coordinating with the presenters. Currently she is working on plans for upcoming board meetings, getting reports ready, and planning some events for the year 2000. She has also been acting as both "dad" and "mom" during my time in Virginia.

Patsy, Amanda, and two friends visited Columbia International University (Formerly Columbia Bible College) in September. We plan to make a trip to Chicago in November to visit Moody Bible Institute. She is seeking the Lord's

direction about which college to attend. She may be pursuing a major in teaching but is not sure at this time.

Kristen is enjoying college and seems to be handling her RA (Resident Assistant) duties well. The challenges give opportunity for character growth! We try to encourage her with the fact that these experiences (head lice, missing girls, and attitudes) are another form of education and preparation for her future field of Christian Education—Youth Ministry.

Heidi being a high school freshman this year just doesn't seem possible!



Through the summer she was a bit unsure about the upcoming experiences. Some required reading, learning to march in the band, finding her way to classes in different buildings, brought some uncertainty at times. But, school is under way and she loves high school and marching band. New friends and getting to be around the upper classmen a few benefits that will help her next year when Amanda is gone.

Please pray for Amanda as she seeks the Lord's will in finding a college and the additional support we need to meet our Wycliffe quota.

Praise God for a very worthwhile and safe summer missions trip for Amanda, full recovery from my knee surgery this summer, the girls off to a good start this year in high school and college, and for good health and the privilege to serve Bible translation.

—Dave Immel

Section Reports

Eastern Section

Greetings from the Eastern Section of ARMS. We are still alive even though we have managed to miss the BEAM deadlines for the last few issues. We have been meeting three times a week on 75-meters, and some members show up on the 20-meter net.

Larry, W2PT, has been our section director for about nine years, since Bob, W2CYO, left for South Carolina. Bob hasn't forgotten us, however, as he checks into our 75-meter net during the winter months when the long skip prevails. We let him in even though the wrong flag is flying over his state capitol. Bob was the vice president of ARMS from 1988 until 1991.

Larry has been net control once a week, and he manages to twist arms (ARMS?) to get others to take the other two slots. One arm that doesn't need to be twisted is that of Don, K3RYV, "Old Faithful" who has been net control for many years on Saturdays. He was ARMS president from 1963 to 1966.

One of the ARMS founders and its first president, Bill ("Doc") Meirop, K2JEI, has not been able to join us on the air, but I'm sure he continues to pray for us. Another founder, and vice president from 1957 to 1960, Bob Matthews, W3BBM, who has been the pastor of the same church in Wilkes Barré, Pennsylvania since he founded it in 1937, often checks in from his car on the way to the church or from the church where he has his ham shack set up.

Al, K2CAC, who is still in Houghton, New York, but no longer working as a printer at Houghton College, was vice president of ARMS from 1973 to 1975, and treasurer from 1975 until 1988. He has been active over the years hooking up MKs at Houghton with their parents overseas. He and his wife enjoy tooling around the country in their

motorhome, and he often checks into the 20-meter net from it.

Gerry, K4RBZ, in Virginia is a pretty regular checkin on Saturdays when he isn't in the classroom. He is looking forward to his retirement in another year, so maybe we will hear him more often after that. Gerry also served as ARMS president from 1971 to 1973.

Paul, N2MNO, who served the Lord for many years in Mission, Texas, is now back in the Syracuse area. Back, that is, when he isn't vacationing in Mexico.

Mike, AA0AO, formerly from the Denver area, is now living in eastern Pennsylvania after his employer, Continental Airlines, told him to "Go east, young man." He is active on the air and checks into the 20-meter net often, either from his home, or from the cockpit of a 757 flying somewhere over the United States.

We miss our Maine members. We suspect that the computer bug (or is it the internet bug) has bitten some of them. We wish that they would return to the fold.

Larry, W2PT, has been sending out an ARMS prayer letter for some time, and it includes missionaries and others from outside the Eastern Section. If you would like to be included on the distribution list, you can e-mail Larry at lhodge50@juno.com.

May the Lord continue to bless ARMS, and may we honor Him on our nets and in our lives.

—Robert Zecher, W2YIK, scribe
for the Eastern Section

Southwest Section

Our group met together for lunch and fellowship on Saturday February 19, 2000 at Denny's Restaurant in Phoenix. This always works out very well for us as the snow birds are here from the north country and are able to join us for a good time together.

We had 20 folks in attendance. Al, W7KAP, and his wife, Ivie, could not be with us as Al just got home from the hospital after his surgery. To everyone's enjoyment Al and Ivie checked in on 2-meters and gave us their greetings. Al opened our meeting with prayer and gave thanks for the meal. The signal was loud and clear for everyone to hear. Thanks to Jay, K0GAZ, for setting up the contact.

Our speakers for the meeting were Ken Wilder, AL7AX, and his wife, Darlene, from up Washington way. They took us on a trip to Alaska where they served as missionaries working in Christian radio.

Ken first went to Alaska with the Coast Guard as an electronic technician during the Korean War. It was about this time that he got his first ham ticket—K6AIW.

Later he and his wife were called to Nome, Alaska as a short term volunteers working in Christian radio, KICY.

In 1979, they returned to Soldotna, Alaska, on the Kenai Peninsula, south of Anchorage. For 10 years Ken worked there at a Christian radio station as chief engineer and director for the Christian programming. They now live near Spokane, Washington.

Those in attendance at the gathering were: Charlie, K7AQ, and Emily Cox, Sun City, Arizona; Ken, AL7AX, and Darlene Wilder, Colbert, Washington; Dan, KA7BHS, and Dare Hough, Glendale, Arizona; Tom, WB7CYX, and Artis Johnson, Phoenix, Arizona; Ted, AA7HX, and Anne Willis, Tucson, Arizona; Maurice, K7JKG, and Orlena Knisel, Mesa, Arizona; Al, W7KAP, and Ivie Folden (by radio), Sun City, Arizona; Vern, W7VPL, and Jan Lewis, Sun City, Arizona; Jay, K0GAZ, and Dottie Sudenga, George, Iowa; Harley, K0LNJ, and Bernice Sykora, Windom, Minnesota; Gordon, VE7BQA, and Leone Tiessen, Kamloops, British Columbia.

—Charlie Cox, K7AQ

Southeast Section

The Southeast Section of ARMS will gather on April 28th in Spartanburg, South Carolina. We will meet for dinner at the Steak and Ale Restaurant next to the Days Inn on Business I-85 on Friday night.

I will be monitoring 146.490 MHz simplex when you get into town. We will decide then what time to eat. The next

day, on Saturday, April 29, we will attend the Spartanburg Hamfest.

We have made arrangements thru Days Inn for good room rates. We hope and pray all the Southeast Section members will be able to attend. If you have any questions please e-mail me: wd4ach@juno.com or catch me on either the Southeast Section Net or the 20-meter ARMS Net.

—Denis Parker, WD4ACH



The Southeast Section get-together last summer. The picture was omitted from the fall BEAM. Pictured left to right: Dave Gillespie, WA4LLR; Ervina Gillespie, N4PFZ; Andra Parker, KD4CLF; Kristin Parker; Chris Howington; Denis Parker, WD4ACH; Ed Bradley, W4VGI; Bobby Howington, KC4DOG; D J Howington; Diane Howington, KD4UXT

Northwest Section

Dave, W5PQL, and Wealthy are going to take a trip to San Diego and Texas to visit their family, and some ARMS friends in between. They have a new (to them) motor-home and are going to see what RVing is all about. Wealthy hopes that it will be easier traveling for her if she can prepare her own meals, etc. We look forward to their stopping in here on their way south.

We lost a good friend, Ed, AA7GM, to lung cancer on October 28, 1999. Ed became a member of our Northwest Section net in 1990 when he joined

ARMS. We all miss him and his potent signal from atop the Manor in Medford. He later moved to California, Brandon, Oregon, and finally to Springfield, Oregon near his daughter. His wife, Dotty, is in an Alzheimer's facility there.

While in Medford recently, I ran into Ed, K6AGD, and his wife, Donna. We found ourselves eating at the same restaurant and enjoyed a nice conversation with them. They are both doing well.

A telephone call to Bill, W7KTM, confirmed my suspicions that he had been ill. Both he and his wife, Pat, were down with the flu and were just starting to get back on their feet. We miss

Bill on the Northwest net when he doesn't show up.

Ken, AL7AX, and his wife, Darlene, are rounding out an eight-month motor-home trip that took them to Nova Scotia, Florida, Texas and Arizona. Ken says it's a great way to travel, but it can get a little snug after a while. He has been checking into the 20-meter net off and on with a pretty nice mobile signal. They are looking forward to getting back to their home in eastern Washington.

Participation in the Northwest net varies from week to week, from seven to fourteen check-ins, but with longer days coming on, we hope to see some of the old group back again (and less of our foreign broadcast friends south of the border).

—Bob Hambly, WA7BYD

Midwest Section

The Midwest ARMS Section get-together is set for Saturday, August 12, 2000 in Mankato, Minne-snow-da. Please mark your calendars as this is the only notice you will receive. ARMS members from other sections are more than welcome to attend.

The coffee pot will be on by 9:00 a.m. at our QTH on the east edge of Mankato near the junction of routes 83 and 22. At the junction traffic light, go west on 83 0.1 mile, and then go south on the gravel road for another 0.1 mile. Look for two very tall power poles. We are the blue-gray house across the road.

At 11:45 we will go to the Old County Buffet, located a block south of the River Hills Shopping Mall, for our lunch, meeting and program. This is 2.2 miles north of our QTH.

The talk-in frequency will be 147.240 MHz and will be monitored from 9:00 to 11:45 a.m. The 75-meter net on 3.905 MHz will start at 8:00 instead of the usual 8:30, and I will be the net control that morning.

For more information feel free to write me at R.R. 4, Box 351, Mankato, MN, or phone me at 507-625-8083.

—Arnie Kokischke, WAØDFT

From out of the past

The following article, written by long-time ARMS member Chuck Brockmeyer, WØETA, first appeared in the February, 1974 issue the *Good News Broadcaster*, a publication of the *Back to the Bible* broadcasts. Although poor health has curtailed many of Chuck's activities, he and his wife, Timmie, still live in Littleton, Colorado, and he hopes to get back on the air in the near future.

A Call to ARMS

by Chuck Brockmeyer, WØETA

It was Saturday. The man in Erie, Pennsylvania, glanced up at the clock above the neatly arranged radio equipment that made up amateur radio station W3ZLO.

Eleven o'clock, he thought. Guess I'll tune around on 20 meters and see how signals are today. I just might find somebody around Victoria, British Columbia, who can handle a message for me.

A New Christian

As he tuned up the band from 14.300 MHz, he pondered events of the past couple of months and compared the changes that had taken place. Two months ago, his marriage, his health, everything was on the rocks. Now, he had found Jesus Christ, and things were so different it was hard to realize how messed up his life had been. *Actually, he mused, Christ had found him, according to Revelation 3:20: "Behold, I stand at the door, and knock: if any man hear my voice, and open the door, I will come in to him, and will sup with him, and he with me." Putting Christ in control of his life made all the difference in the world.*

He tuned up a little higher in frequency. The dial read "14.307" when he

heard a voice say, "CQ ARMS, CQ ARMS, CQ the Amateur Radio Missionary Service. This is K4RBZ, in Harrisonburg, Virginia, calling the Amateur Radio Missionary Service Transcontinental Net. ARMS is a fellowship of born-again Christian amateur radio operators, cooperating to provide communications for missionaries by way of amateur radio. CQ ARMS, CQ ARMS, CQ ARMS. Anyone wishing to check into the Amateur Radio Missionary Service Transcontinental Net, with or without traffic, call net control, K4RBZ. The handle here is Gerry."

One by one, members checked in.

"K4RBZ, this is K6GRS, Gardena, California."

"K4RBZ, this is W7FQ in Grants Pass, Oregon."

"K4RBZ, this is K2CAC, Houghton, New York."

"OK, fellows, I have listed Brownie, Emil and Al. The QRM is pretty bad this morning, but I copy all of you. Anyone else for ARMS?" asked Gerry.

"Good morning, Gerry. This is KØCAV in St. Paul, Minnesota."

"Fine, Don. You have a good signal here this morning. Anyone else for the ARMS Net at this time?"

Routine 'Net' Business

The man in Erie heard several more stations check into the net from such familiar places as Denver, Des Moines and Minneapolis—and some not-so-familiar places: George, Iowa; Mena, Arkansas; Deer Trail, Colorado.

During the next hour he heard about 20 stations check into the ARMS Net. Some had traffic for missionaries, some had traffic from missionaries, and some had nothing more than greetings and a desire for fellowship on the air.

A message that originated at a home in Denver, Colorado, was passed on to Houghton, New York, to be relayed to a daughter and her family at radio station ELWA in Monrovia, Liberia. The message would be relayed the following morning, when radio propagation con-

ditions favored communications between the eastern United States and western Africa.

A schedule was set up for 2100 GMT between an amateur in Michigan and a missionary couple in Peru so they can talk to their parents in that Michigan town.

A "health and welfare" message from Seattle relieved the anxiety of a family in Illinois.

The man in Erie was impressed with the way this group was using their amateur radio and technical know-how in Christian service. He was interested in making contact with the organization.

The Clincher

He picked up his microphone, and as he debated whether or not to check in, he heard K4BRZ say, "I think that takes care of the traffic for today, and I know that many of you have other Saturday activities planned. Glen, why don't you give us a verse from God's Word before we close the net. WØEYL, this is K4RBZ."

"K4RBZ, this is WØEYL. I'd be glad to, Gerry. Let me read Acts 4:12. 'Neither is there salvation in any other: for there is none other name under heaven given among men, whereby we must be saved.' Here we find that the only way to receive God's gift of salvation and the peace that is greater than we can understand is through Jesus Christ, our Lord and Saviour. Back to you, Gerry. K4RBZ, this is WØEYL."

The man from Erie thought, *That clinches it—a Christian witness, too.* He pressed the push-to-talk switch.

"Break—K4RBZ, this is W3ZLO."

"W3ZLO, this is K4RBZ. Go ahead."

"K4RBZ, this is W3ZLO. The handle is Chuck, and the QTH is Erie, Pennsylvania. I am really excited to have found the ARMS Net this morning. I think I would like to be a member of the group, but I would like to have some more information about the purpose, organizational structure and net schedules. Incidentally, do you have anyone in the

Victoria, British Columbia, area that could take a message for a missionary couple who have just moved from here out there? K4RBZ, this is W3ZLO."

"W3ZLO, this is K4RBZ. Why don't you call WØETA, our secretary, and tell him what you want. Over."

"WØETA, this is W3ZLO. You copy?"

"This is WØETA. I copied your conversation with Gerry, and if you'll give me your address, I'll send you the information you asked for. I don't think we have any members in Victoria, but we do have a member who checks in regularly from Auburn, Washington, near Seattle. I haven't heard him yet this morning, but why don't you give him a call? His call is W7MXV, and his handle is Roy."

"W7MXV, W7MXV, this is W3ZLO. Do you copy, Roy?"

"W3ZLO, this is W7MXV. I copy you fine, but WØETA is way down in the mud. What can I do for you?"

The two amateurs were unable to get the message into Victoria, but before they finished their contact, W3ZLO gave WØETA his mailing address and in return was told that he would receive additional information and an application form in a few days.

So ended another typical Saturday morning session of the ARMS Transcontinental Net which, without a great deal of fanfare and with no pay whatever, serves as a rallying point and clearing-house for much of the Christian missionary-oriented traffic that is generated and received during the week. It meets at 1600 GMT every day except Sunday on 14.307 MHz and welcomes "breakers" who can help or be helped.

Ecuador, Surgery Results

An example of some "off-net" operating occurred on a Saturday afternoon in August, 1972, when KØGAZ in George, Iowa, received a telephone call from the wife of G. Christian Weiss, *Back to the Bible's* director of Missions. Mrs. Weiss told KØGAZ that her husband was to have open-heart surgery at

7:00 a.m. the following Tuesday, and that she wanted to get word to their daughter and son-in-law, the Don Daileys, at radio station HCJB in Quito, Ecuador. KØGAZ, Jay, and HC1RT, Roger, are both ARMS members and very good friends. They have a regular Sunday afternoon schedule. Roger is a radio engineer for HCJB.

On Sunday, the contact was made on schedule, and Roger called the Daileys on the telephone. Signal conditions were so good that Jay decided to call Mrs. Weiss and try to arrange a phone patch so she could talk directly with the Daileys.

Jay found that Mr. Weiss had already been taken to the hospital, due to his weakened condition, and that Mrs. Weiss was there with him. He was able to contact her there, and she was able to talk directly to the Daileys, asking for prayer in the 50-50 situation that existed.

During that week signal conditions continued to be good, and they were able to make contact each day until Friday, when Mr. Weiss, although very weak, was able to talk directly with his daughter and son-in-law in Ecuador from the intensive care unit of the hospital! What a thrill for those families, and what a thrill for KØGAZ to have had a part in it!

ARMS Reaches Out

ARMS had its beginning at Philadelphia Bible Institute (now Philadelphia College of Bible) on March 2, 1957, when 16 born-again amateur radio operators, seven of whom were ordained ministers, organized for "whatever possible service they might be able to render to missionaries and Christian workers in general, . . . being banded together, to facilitate message handling for missionaries, their parents and friends, wherever such traffic was permitted by the governments involved, . . . and for Christian fellowship over the air."

These dedicated radio enthusiasts adopted as their motto Galatians 6:10: "As we have therefore opportunity, let us do good unto all men, especially unto them who are of the household of faith."

What started as an idea in Pennsylvania and originally limited membership to "those residing within 200 miles of Philadelphia" has grown to the point where every contiguous state in the United States is included in one of the present nine sections of ARMS.

Over the years ARMS members have, through their missionary radio contacts, been led to recognize that their interests and skills are God-given and that it is His plan for them to be something more than amateur radio operators. Today, many of the technical and operating personnel of missionary radio stations around the world are active ARMS members. Many will admit that the Lord used ARMS as the instrument to put them in their present situation.

Because the knowledge of radio can be applied to both amateur and professional radio, ARMS members are found applying their technical skills with such groups as HCJB, "The Voice of the Andes" in Quito, Ecuador; ELWA, the radio voice of the Sudan Interior Mission in Monrovia, Liberia; Trans World Radio in Monte Carlo, Bonaire and Swaziland; Far East Broadcasting Company (FEBC), blanketing the Far East and Latin America; Wycliffe Bible Translators, working with about 560 language groups around the world; and Wycliffe's Jungle Aviation and Radio Service (JAARS), providing transportation and communications to missionaries and translators.

Many of the 300-plus ARMS members are everyday working people with three things in common: a love for Jesus Christ, an interest in amateur radio, and a desire to link these two through the Amateur Radio Missionary Service. Pursuing the goal "Upholding the arms of the missionary through amateur radio," they provide ARMS for holding together a missionary and his home and loved ones, ARMS reaching out through radio to provide a bond of fellowship, and ARMS to support those who will hear the voice of the Saviour, Jesus Christ, and follow Him. -- -- --

Silent Keys

Ed Soultz, AA7GM

On October 28, 1999, Ed Soultz, AA7GM, went to his eternal reward. Ed was born in 1913 and grew up in Eugene, Oregon. In 1927 a friend taught him the Morse code, and in 1929 he got on the air as W7AHA.

In 1932 he went to Seattle, hoping to get a commercial radio license. But he failed the theory test, so he went to Oakland, California, to work in a meat packing plant. In 1935 he and Dot were married, and in 1937 they returned to Eugene where he ran his own meat market. He had let his ham license lapse, and in 1942 he joined the navy.

Because of his ham experience, he was sent to Chicago for radio training. He went to the Naval Research Lab in Washington, D.C., and from there he was assigned to the destroyer escort John M. Birmingham.

After the war he returned to Eugene. In 1963 he went to work as a county property appraiser, and in 1976 he went with the Department of Veterans' Affairs. He retired in 1977.

He and Dot liked the motor home lifestyle, so they did that for about 12 years. Then in 1989 he had a heart attack. After he recovered, they moved into the Rogue Valley Manor in Medford, Oregon. He could still copy code, so he got his Novice ham ticket right away. His call was KB7HOA. Soon he got his General, and then upgraded to Amateur



Extra with the call AA7GM. He eventually had a radio shack in the "penthouse" (a converted utility closet) on top of the Manor. Ren Ells, N7FMD, also of Medford, introduced him to the ARMS group.

Shortly after moving into the Manor, Ed's wife was diagnosed with Alzheimer's disease. As her condition gradually worsened they were forced to leave Medford, and they moved first to Crescent City, California, near their daughter, then to Bandon, Oregon, and finally to Springfield, Oregon, where Dot is receiving excellent care.

Ed was living in an apartment in Springfield, close by Dot, when he was diagnosed with the lung cancer that took his life.

Peter Thiessen, VE4PP

On January 4, 2000, Peter Thiessen, VE4PP, went to be with his Lord. He had suffered from heart problems for several years.

Peter was born April 3, 1930 on a farm in Giroux, Manitoba, Canada. Peter first became interested in radio as a teenager when he and his brother built some simple crystal receivers.

On November 8, 1953 Peter married his childhood sweetheart, Adeline. She could always sing well, and he hoped that she would give him

children who could sing. She far exceeded his expectations with five boys, all fine singers.

Peter had accepted Christ as his Savior at age 17. After he was married for three years, the Lord called him to Bible School. He had completed only six and a half years of public school, so learning theology was rough.

He thought that upon graduation, he would go to the mission

field, but the Lord had other plans. Adeline became ill, so he decided to go into teaching.



He spent 22 years in education, the last 15 years of which were spent as a school psychologist and special education coordinator. About this time he became interested in radio again and went for his ham ticket. He was first licensed in 1978 as VE4AGM. In 1980 he got the advanced ticket, and his call was changed to VE4PP.

He retired from education in 1985 and expected to go into some kind of mission work, but it was not to be. Adeline had major cancer surgery at that time, and while she was healing, Peter developed congestive heart problems. Adeline recovered completely, but he did only partially.

Besides ham radio, Peter enjoyed photography, traveling and gardening. He was very active in the church all his life. He is survived by his wife, Adeline, their five sons and 13 grandchildren.

—SKs continued on the next page

**We welcome
our new
members!**

Michael Breckinridge, N1JXP
22 Harrison St.
Calais, ME 04619

Paul Wyse, W4PFM
P.O. Box 248
Waxhaw, NC 28173,
(Reinstated ex-OA8V)

Art Hebert, VE5ARJ
P.O. Box 2451
Nipawin, SK S0E 1E0, Canada

Howard King, W9OCK
54594 Bradley
Elkhart, IN 46514
(Reinstated)

—SKs continued

William Roberts, WD4KJK

We recently learned that William Roberts, WD4KJK, of Kissimmee, Florida, has become a silent key. Unfortunately, we have no further information about him.

Gordon Bradbury, K2KXY

Late last fall, Gordon, "Brad" Bradbury, K2KXY, went to be with his Lord. He was 82 years old. He and his wife, Eddie, made their home in Pompton Plains, New Jersey. He was a regular participant in the Eastern Section 75-meter ARMS Net.

Brad was an active member of the First Reformed Church of Pompton Plains, where Eddie was the church organist for 40 years. He worked as an electrical engineer for the Mobil Oil Company for 41 years.

In addition to ham radio, Brad enjoyed photography and conducted many

A testimony from new member, Mike Breckinridge, N1JXP

I graduated from pharmacy school (Oregon State, Corvallis) in 1973. I couldn't find a job, so I signed up with the U.S. Public Health Service. I was assigned to a position at the USPHS Hospital at Staten Island, New York. I was to meet many wonderful people in New York.

There was a nurse there named Cathy. I asked her for a date and got turned down flat. "I only go out with Christians," she said. I drew a complete blank. What she said made no sense to me, as I had no religious background whatsoever. But there was something special about her. I persisted, and eventually she led me to the Lord.

We were married fifteen months later. That was twenty-three years ago. Since then, we have served the Lord in San Juan, Puerto Rico, Wolf Point, Montana, and here in Maine. I am still with the U.S. Public Health Service.

Several years ago, back in Montana, I hauled up an old shortwave receiver out of the basement. Someone had given it to us as a wedding present. When it was plugged in, lo and behold, here was HCJB coming out of the speaker. Later on, I heard some CW on the ham bands and I really got hooked. My prayer is that the Lord would allow me to use my radio skills for His honor and glory. -- --

Continued from page 1—ELWA

Personnel from the HCJB World Radio Engineering Center in Elkhart, spent two weeks at ELWA installing a 1,000-watt tropical band shortwave transmitter.

When operating at its peak in 1989, ELWA broadcast the gospel across West Africa in 47 languages. Lee and Michelle Sonius were directing the station when civil war broke out on Christmas Eve, 1989. "Everything at ELWA was burned and destroyed, to the last cassette tape," Lee says. "The only salvageable things were the towers. After 36 years of broadcasting, leading people to the Lord and discipling them through the radio, everything was gone."

The radio station was partially rebuilt and went back on the air in January, 1992, using a small FM transmitter.

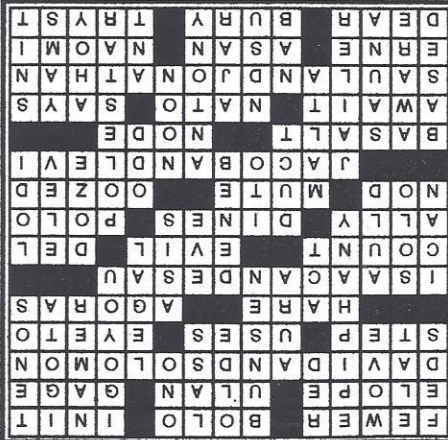
Bible studies over the years. He and his wife made many trips to the "Word of Life" Bible conferences in New York and Florida.

"He was always a very positive man, with a pleasant air about him," said Eastern Section director Larry Hodge. W2PT.

In addition to his wife, Brad is survived by their three sons, seven grandchildren and six great-grandchildren.

Shortly afterwards a 10,000-watt short-wave transmitter was added. But again in April 1996 war over-ran the area, and all the facilities were looted or destroyed, forcing the missionaries and national staff to evacuate.

Despite the violence, Liberians refused to abandon the facilities and began rebuilding the station. ELWA went back on the air with a small FM transmitter supplied by HCJB World Radio in 1997. This local station has been reaching Monrovia and surrounding towns, but fell far short of reaching the entire country. Radio ELWA now operates under a Liberian Management Team in partnership with SIM and HCJB World Radio. ■ ■ ■ ■



Solution to the puzzle on page 16

ARMS officers, past and present

Shown below are all the officers who have faithfully served ARMS over the years.
P = president, VP = vice president, S = secretary, T = treasurer, S/T = secretary-treasurer.

March 2, 1957-58, charter officers

P K2JEI William Mierop
VP W3BBM Robert Matthews
S/T W3FTH Robert Burns

1967-69

P WØSLF Don Peterson
VP WA6VOR Amos Buckwalter
S K3RYV Don Bix
T W3RVY Frank Swanson

1978-79

P KØGAZ Jay Sudenga
VP WAØTCU Mac Pike
S WØNEW Darwin Moxness
T K2CAC Al Smith

1958-59

P K2JEI William Mierop
VP W3BBM Robert Matthews
S W2RJQ Leonard Van Saun
T K2MBT Richard Harris

1969-70

P WØSLF Don Peterson
VP WA6VOR Amos Buckwalter
S K3RYV Don Bix
T W3RVY Frank Swanson

1979-82

P K7AQ Charlie Cox
VP W7SDS Mac Pike
S WØETA Chuck Brockmeyer
T K2CAC Al Smith

1959-60

P K2JEI William Mierop
VP W3BBM Robert Matthews
S W3RVY Frank Swanson
T W3BPJ Horace Wolf

1970-71

P WA6VOR Amos Buckwalter
VP KØGKR Charlie Cox
S KØOAV Don Berggren
T WØJAJ Eugene Iliff

1982-85

P K7AQ Charlie Cox
VP KØUBI Dury Miller
S NØDRE John Treanor
T K2CAC Al Smith

1960-61

P W2RJQ Leonard Van Saun
VP K2AXO John Buck
S W3RVY Frank Swanson
T W3BPJ Horace Wolf

1971-73

P K4RBZ Gerry Brunk
VP KØGKR Charlie Cox
S WØETA Chuck Brockmeyer
T WØJAJ Eugene Iliff

1985-88

P K7AQ Charlie Cox
VP VE5HP Gordon Pearce
S NØDRE John Treanor
T K2CAC Al Smith

1961-63

P K2MFE Louis Clifford
VP W3BPJ Horace Wolf
S W3RVY Frank Swanson
T K3JRD George Jackamonis

1973-75

P KØOAV Don Berggren
VP K2CAC Al Smith
S WØETA Chuck Brockmeyer
T WØJAJ Eugene Iliff

1988-91

P K7AQ Charlie Cox
VP WA2CYO Bob Kurtz
S NØDRE John Treanor
T KK4CB Harry Campbell

1963-65

P K3RYV Don Bix
VP W2RJQ Leonard Van Saun
S W3EAN Gene Reynolds
T K3JRD George Jackamonis

1975-76

P WØETA Chuck Brockmeyer
VP WB9GGK Dave Hoff
S WBØAKV Ed Andrews
T K2CAC Al Smith

1991-93

P K7AQ Charlie Cox
VP KØGAZ Jay Sudenga
S W6UZF Al Heath
T KK4CB Harry Campbell

1965-66

P W2RJQ Leonard Van Saun
VP W1GQK Bob Dickinson
S KØELX Mary Rittgers
T W3RVY Frank Swanson

1976-77

P WØETA Chuck Brockmeyer
VP KØGAZ Jay Sudenga
S WBØAKV Ed Andrews
T K2CAC Al Smith

1993-95

P K7AQ Charlie Cox
VP KØGAZ Jay Sudenga
S W6UZF Al Heath
T WA7BYD Bob Hambly

1966-67

P VE3AX Lloyd Alford
VP W2CCE Bob Dickinson
S KØELX Mary Rittgers
T W3RVY Frank Swanson

1977-78

P KØGAZ Jay Sudenga
VP WB9GGK Dave Hoff
S WBØAKV Ed Andrews
T K2CAC Al Smith

1995-2000

P K7AQ Charlie Cox
VP KØGAZ Jay Sudenga
S/T WA7BYD Bob Hambly

FAR EAST BROADCASTING

Continued from page 1—

scattered over that far-flung area, particularly China.

Over the next few months, they felt God leading them to establish an organization to address that need, and on December 20, 1945, the Far East Broadcast Company (FEBC) was incorporated

began, and he started looking around for an alternative transmitter location. He received a cordial welcome in the Philippines, and by September, 1946, he had negotiated a broadcast franchise there. Throughout 1947, preparations were being made for the establishment of a station in the Philippines. Property was purchased and transmitters constructed,



Robert Bowman, John Broger and William Roberts, in 1945

in Los Angeles, California. John Broger was the president, Bob Bowman was vice president, and William Roberts was named executive secretary.

The following April, John Broger sailed to Shanghai where he worked with Chang Tsing Yu, commissioner of reconstruction for the four northwest provinces of China. Mr. Chang became the chairman of the newly organized China Christian Broadcasting System (CCBS), and in February, 1947, the first FEBC broadcast went out from Shanghai. However, those broadcasts were short-lived. The Communist takeover of China was in full swing, and by early 1948, all missionary work in China was coming to an end.

John Broger anticipated this situation even before the broadcasts from China

and on June 4, 1948, station KZAS, first in Manila and later in Karuhatan, Bulacan, Philippines, was on the air. After the Philippines gained their independence from the U.S., the call was changed to DZAS.

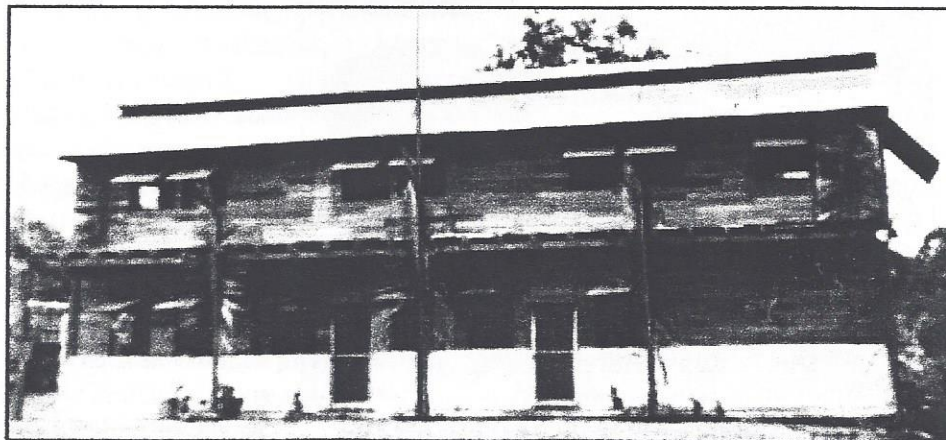


Typical house in rural Philippines with a thatched roof and built on stilts to avoid flooding and vermin

Initially KZAS operated on 680 kHz, so it could be heard on the mainland only at night. However in July, 1949, a 10,000 watt short wave transmitter went on the air with broadcasts in Chinese, Russian and other Asian languages. However, on October 1, 1949, the Peoples Republic of China was declared, and for 30 years all contact with that country was lost. It was not until 1979 that Christians in China began to send letters to FEBC indicating that they had been hearing the broadcasts, and that they were maintaining their faith despite the severe government restrictions.

In the 1950s FEBC stations were established on the islands of Formosa and Okinawa, and in Hong Kong and Tokyo, and the operations in the Philippines were expanded. Since then FEBC's work has grown such that there are both

—Continued on the next page



FEBC's first building housing station KZAS in Karuhatan, Philippines

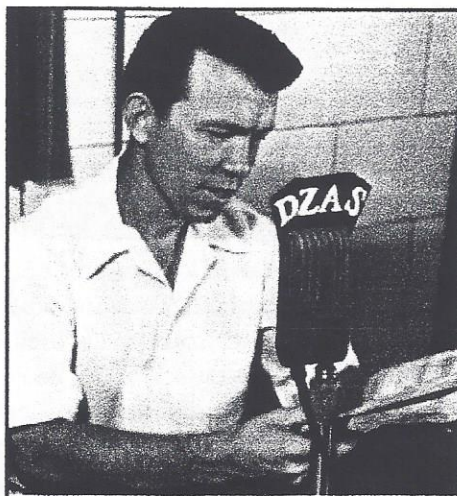
Continued from previous page—

AM and FM stations in Manila and 10 regional stations throughout the provinces. All of this was in addition to FEBC's overseas transmission sites.

With the advent of transistors, it was decided to develop an inexpensive transistorized, battery-operated receiver, pre-set to DZAS's frequency. Many hundreds of these sets, called "PMs" (portable missionaries), were distributed by FEBC to schools, hospitals and neighborhoods throughout the Philippines.

In 1972 FEBC established a transmitting station on the island of Cheju in South Korea.

This has become the mainstay of FEBC's broadcasts to China on mediumwave. It also broadcasts to Japan and Russia. A second medium wave station was added later, broadcasting from Inchon just



Robert Bowman at the mike at DZAS in Manila, reading scripture



A "PM" (portable missionary) in a Philippine hospital

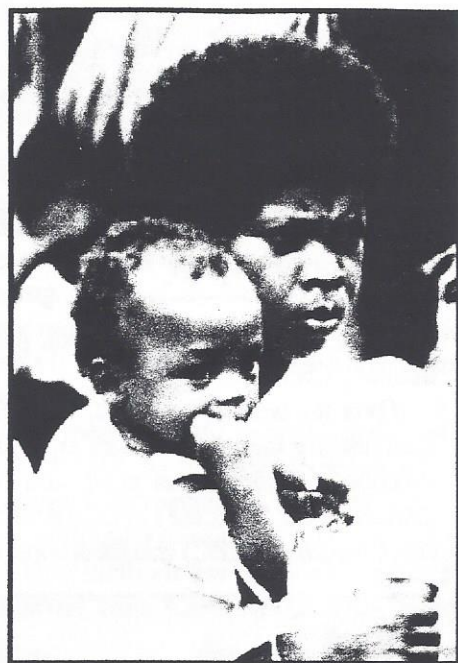


Transistor radios can go anywhere. Do you suppose you could call this "bovine mobile"?

outside of Seoul, the capital. South Korea has become a very stable nation in the region and FEBC has been happy to enjoy a good working relationship with the Korean government over the years.

Saipan, an island of the western Pacific in the southern Mariana Islands, was developed as a shortwave site for FEBC in the early 1980s. It houses four shortwave transmitters which broadcast to Russia, China, and parts of Southeast Asia.

On June 9, 1991, Mt.



This mother and child face a better future as the result of FEBC's broadcasts to Southeast Asia

Pinatubo erupted in the Philippines. FEBC was able to play a critical role in radio-related relief efforts in that area. However, the eruption also caused many dust-related problems at the transmitter sites.

The changing political scene in Asia



One of Manila's famous Jeepney buses. The "BMW" insignia on the grill is a fooler. This really a converted WWII military Jeep. The sign on top reads "God is more than enough," and the one on the bumper says, "God bless our trip."



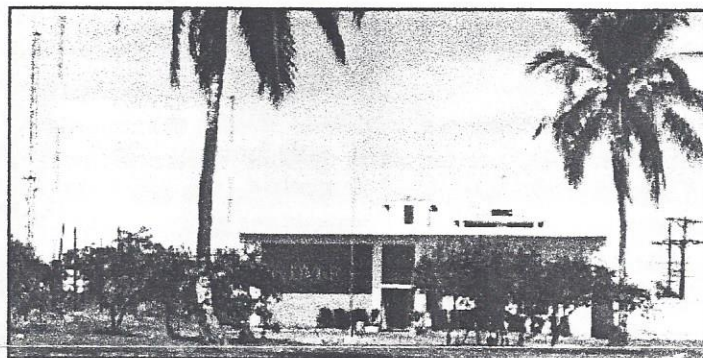
The map as the left shows the 150 people groups throughout Southeast Asia reached by FEBC's transmitters, providing a source of information for home study courses (above).

and the U.S.S.R. enabled FEBC to open stations in previously closed countries. In the 1990s, transmissions were initiated from Russia, Cambodia, Ukraine and Indonesia.

Regardless of the political winds of the moment or the whims of governments, the mission of FEBC remains the same: "...to develop radio programming and deliver it to listeners in Asia in such a way that they move toward Jesus Christ and into His Kingdom, that they know Him as Saviour, Lord, and King, follow His teaching, and live in obedience to Him as His servants, and as members of a local body of believers."

Further information about FEBC can be obtained from their website at www.febc.org, or by writing to them at:

Far East Broadcasting Company
Box 1
La Mirada, CA 90637



Today modern FEBC transmitting facilities such as this one in the Philippines bring the Good News of Jesus Christ to thousands of people who would otherwise never get a chance to hear it.



The wonders of the electronic age

The photo at the left, of Mike Rafferty, AAØAO, was taken at 35,000 feet while Mike was piloting a Continental Airlines Boeing 757 from Houston to San Francisco. A Christian pilot friend of Mike was in the "jump seat," hitching a ride to his home in the Napa Valley, and he had his digital camera with him. He took the picture, recorded on a disk, which he gave to Mike, who e-mailed it to Jay Sudenga, KØGAZ, who in turn e-mailed it to me. And here it is, with no film or, until now, paper involved. The original was in color. —Editor

Rig needed by a missionary

Don Jensen, KC7WV, is looking for the donation of a solid state HF rig for John Black, KC6EOG/XE3. John, who is a missionary serving in Mexico, has an old, tube-type Heath transceiver, which recently bit the dust. If anyone would like to help with this need, contact Don, at P.O. Box 8987, Catalina, AZ 85738, or on the 20-meter ARMS Net. — — —



Fathers and sons

...the LORD disciplines those he loves, as a father the son he delights in. Prov. 3:12

Across

- 1 "...and to the ____
ye give the less..."
(Num. 33:54)
- 6 Big Philippine knife
- 10 "...ye should walk
____." (2 Jn. 6)
- 14 Split to wed
- 15 ____ Bator
- 16 Green ____ (pear
variety)
- 17 **Biblical father
and son** found in
1 Kings 1
- 20 "...there is but a
____ between me
and death."
(1 Sam. 20:3)
- 21 "...good works for
necessary ____,"
(Tit. 3:14)
- 22 "...they shall see
____ eye," (Is. 52:8)
- 23 "...and the ____, and
the coney:"
(Deut. 14:7)
- 25 Old Greek markets
- 26 **Biblical father
and son** found in
Genesis 27
- 31 "...____ me for a
stranger:"
(Job 19:15)
- 32 "...I will fear no
____:" (Ps. 23:4)
- 33 ____ Rio, Texas
- 36 "The Lord's chosen
____ will carry..."
(Is. 48:14, NIV)
- 37 Sups
- 39 It's played on
horses
- 40 Land east of Eden
(Gen. 4:16)
- 41 "...they are all ____
dogs,"
(Is. 56:10, NIV)

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

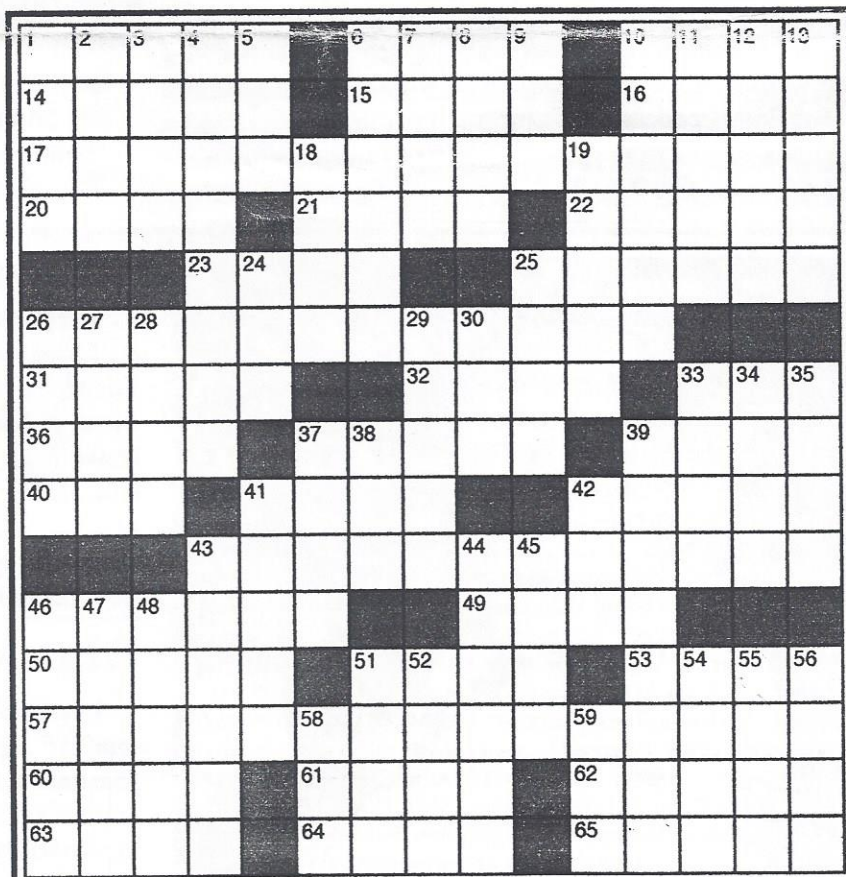
- 42 Seeped
- 43 **Biblical father
and son** found in
Genesis 29
- 46 Hard, volcanic
rock
- 49 Computer network
terminal
- 50 "But their laying
____ was known to
Saul." (Acts 9:24)
- 51 Post-WWII
alliance
- 53 "Therefore, the
Lord ____:"
(Mi. 2:3, NIV)
- 57 **Biblical father
and son** found in
1 Samuel 14
- 60 European sea eagle
- 61 "...and ____ old
lion;" (Gen. 49:9)
- 62 "Call me not ____,"
(Ruth 1:20)
- 63 "...as ____
children;"
(Eph. 5:1)
- 64 "Go up, and ____
thy father,"
(Gen. 50:6)
- 65 Claudestine date

Down

- 1 G-men
- 2 Israel's Red Sea
port
- 3 "...where the
women ____
hangings..."
(2 Kings 23:7)
- 4 Celebration of the
Magi's visit
- 5 "...and ____ skins
of rams,"
(Ex. 35:23)
- 6 Labburner inventor
- 7 Ye ____ Shoppe

- 8 Damsel
- 9 "...lead ____
Benjamin."
(Hos. 5:8, NIV)
- 10 "Where ____
cannot come."
(Jn. 8:21, NIV)
- 11 Christener
- 12 "So ____ girdle..."
(Jer. 13:2)
- 13 A Cyclades isle
- 18 Emanation
- 19 "Is it ____ for you to
flog a Roman..."
(Acts 22:25, NIV)
- 24 "...in the very
____." (Jn. 8:4)
- 25 "...but such ____
common to man:"
(1 Cor. 10:13)
- 26 "____ do all things
..." (Phil. 4:13)
- 27 By oneself
- 28 ____ lang syne
- 29 The brightest star
in Cygnus
- 30 "And Adam knew
____." (Gen. 4:1)
- 33 Get some shuteye
- 34 Alt. kin
- 35 City north of
Stockton, Calif.
- 37 Type of tape
- 38 "And now come
____ thee;"
(Jn. 17:13)
- 39 Polaris
- 41 "...that the island
was called ____."
(Acts 28:1, NIV)
- 42 "...wherein the
____ number of
them is to be..."
(Num. 3:48)
- 43 "...and the ____ was
commanded to ..." (Acts 16:23, NIV)
- 44 A Paris suburb
- 45 "...and let us go up
at ____." (Jer. 6:4)
- 46 "The law is not ____
on faith;"
(Gal. 3:10, NIV)
- 47 "Or ever I was
____," (S.S. 6:12)
- 48 Steam bath
- 51 Fargo sch.
- 52 "Take ____ and..."
(Ex. 16:33, NIV)
- 54 Nautical greeting
- 55 Edible roots
- 56 Worked up state
- 58 Collar
- 59 "Go to the ____,"
(Pr. 6:6)

Solution on page 11



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