



MEET THE ENGINEERS



Laying out a printed circuit board

From a farm in northcentral Kansas to computers at HCJB is the story of one of our newer engineers at HCJB. Daniel Anderson has been a member of the HCJB Engineering Department for a little more than one year. We'd like to have you get acquainted with him.

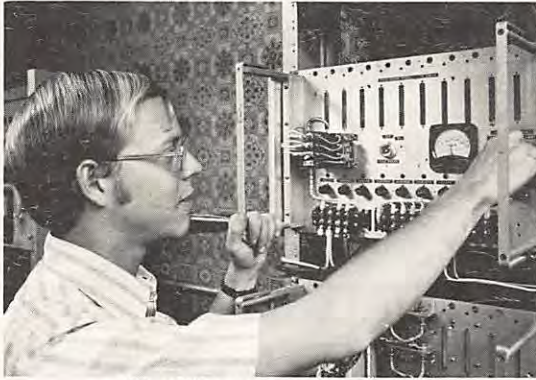
As a child growing up on a Kansas farm, Dan first heard about radio station HCJB. During his grade-school days he heard a missionary from HCJB tell about the work in Ecuador. Later, as an eighth-grade student, he built his first shortwave receiver. Among the stations he heard was HCJB and he has

been a frequent listener ever since. Dan received his college education at LeTourneau College in Longview, Texas. This is a school that has a very strong engineering program. He then moved to Chicago and attended the North Park Seminary for two years. As a student he worked for the school as a computer programmer. He also did similar work for the Covenant Church which operates North Park College and Seminary. This was good training for the work he is now doing as an engineer at HCJB.

Dan spent the summer of 1972 in Quito as a summer missionary working with HCJB, so when he returned as a full-time missionary, life in Ecuador was nothing new to him. To further prepare himself for missionary service, Dan spent five months in Spanish study at a school in Edinburg, Texas. We'll let Dan tell you in his own words about his life and work in Quito.

"I've been in Ecuador about a year and have adjusted well to the changes. I am living by myself in the home of a missionary couple who are currently in the United States on a special assignment. At first I wasn't sure that I would like baching it here in Ecuador because some things, especially cooking, are more difficult than in the United States. There aren't many prepared foods here. I'm getting along fine taking care of myself. I buy almost everything from a local store like in the States, but go to an outdoor market once a week for fresh fruits and vegetables. The food is really good here and I've been in good health.

"My work in engineering is going well. Most of it centers around the design and construction of PACS, Program Automation and Control System, a system for sending programs to the transmitters under computer control. I generally work a regular 8:00 to 5:30 day and sometimes have a



Checking out a power supply

few duties at night. We recently finished the first part of the PACS system and this provided semi-automatic control. We are now working on the second stage which will provide fully automatic control using mini-computers. Some recent changes in plans have been made so that this stage of the system will probably not be completed and put into full operation until the spring of 1979. The pictures show me as I go about my work.

“On weekends I don’t normally have to work so I do things around the house. Sometimes I take a ride on my motorcycle, go swimming, or sight-seeing. On Sunday mornings I go to a little church that meets in a home on the south side of Quito with the Glenn Heikeses, a Covenant missionary family I met while in seminary. This is a new church just being started by the Covenant Church. We’re a small group but have a pastor now and are looking for a building. On Sunday evenings I go to an English church since the Spanish church does not have evening services. It’s good to hear one sermon each week in English.”

You may not hear Dan Anderson’s voice very often on the programs from HCJB. However, when you listen to your favorite programs from Quito, remember that engineers like Dan, working behind the scenes, are those who install the technical equipment and keep it running smoothly. As DXers, we owe a real debt of gratitude to the many faithful engineers. Daniel Anderson is a good example of these very important people!

PERSONAL COMPETENCE

By Wil Pounds

“The late night telephone calls to Jesse Medina started several weeks ago. In the corridors of Sunset High other students would whisper to Medina that there was a contract out on his life. He told the principal that someone once fired a shot at him. One day last week he left school early complaining of illness and went home. He asked his mother to buy some hamburgers. While she was gone, Medina put a .22-caliber rifle to his forehead and pulled the trigger. He was only fifteen years old. Medina’s death was ruled a suicide caused by severe depression . . . ” (AP Wire Service).

How do we learn to handle life’s pressures before it is too late? Is it true that some of us have it easier than others? But does that make it any more difficult? Is our happiness and stability conditioned by our smooth circumstances? Where do we get that sense of adequacy, of courage, of hopefulness, of strength to carry out the tasks of our daily life situations? How can I get that “I can” feeling to be able to face life with all of its complexities?

Dr. Maurice Wagner says, “Competence positions a person with respect to life situations. It is related to how he copes with life. Competence orients a person to circumstances, to time, to responsibility, to usefulness, and to fulfillment in his role in life.”

The very moment you confess to God that you are a sinner and believe on Christ as your own personal Savior you receive the gift of the Holy Spirit. The Spirit of God takes up residence within you. Jesus promised to every believer the person of the Holy Spirit. “And I will ask the Father, and he will give you another helper, that he may be with you forever; that is the Spirit of truth, whom the

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HCJB



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world cannot receive, because it does not behold him, or know him, but you know him because he abides in you, and will be in you" (John 14: 16,17).

One of the ministries of the Holy Spirit is that of being our Helper. He is our Enabler. He helps us to face life. He causes us to face situations that we would never be able to handle otherwise. He gives the believer strength to overcome problems that he could not face under "normal" circumstances.

No one can live the Christian life in his own power and strength. Only a fool would dare attempt it. The Holy Spirit makes us stand on our own two feet and face life. He is our competence! The Holy Spirit is in sovereign control of the situations that he allows believers to experience. He teaches and strengthens us through tough situations. How does the Holy Spirit give us competence? He directs our attention to Christ and his Kingdom. He imparts the love of God. He gives us hope and encouragement. He gives us love, joy, peace, patience, kindness, goodness, faithfulness, gentleness, self-control, etc.

Do you know the competence that comes only from the living reality of Christ in your life? If not, why not let Christ come into your life right now? Accept him by faith this very moment. Why wait any longer? Write to us and we would be most happy to help you and share Christ with you.

KNOWING ECUADOR

One of the fascinating things about DXing is not just hearing the stations as they broadcast from other countries, but also learning something about the countries where the stations operate. Ecuador, the land that has given HCJB freedom to operate for over 46 years, is a beautiful and picturesque country. We would like to have you know more about it, so we are starting a series of articles to help you learn more concerning this nation. Ecuador is a small country, about the size of Italy, with a population of around seven-million people. In all of South America only Uruguay is smaller. It lies on the west coast of the continent and, as its name implies, is crossed by the equator. By far the greater part of the territory, including Quito, the capital, lies south of the equatorial line.

Ecuador has been called a land of contrasts. Of

all the contrasts the country offers, the geographical is the one most immediately obvious. There are four clearly defined geographical regions: the coast, the Andean mountains and valleys, the eastern slopes and jungles stretching to the Amazon basin, and the Galápagos Islands several hundred miles out in the Pacific Ocean. In this first article we would like to tell you something of the coastal region of Ecuador which makes up approximately a quarter of the nation's territory. It is mainly an alluvial plain at the foot of the Andes and varies in width from a mere twelve miles in the south to as much as 100 miles farther north. On the whole the coast is flat, but here and there isolated chains of hills may rise to 2,000 feet. The area is cut by numerous rivers which originate in the towering Andes to the east. In some coastal areas the smaller rivers run dry during the greater part of the year. The two principal river systems are those of the Esmeraldas, to the north, and the Guayas, to the south, which form an extended and extremely fertile delta. Farther south, near the Peruvian frontier, the land becomes drier and the region is like a desert. There are also two smaller desert-like regions to the north of the Guayas River.

The coastal region of Ecuador, on the whole, is a rich agricultural area and produces abundant crops for local consumption as well as for export. Bananas, cacao, rice, sugar, coffee, balsa wood, oranges, and the toquilla palm used for making the hand-woven Panama hats, are some of the products that thrive in this region. Until recent years all the petroleum produced in Ecuador came from this part of the country. Historically, the coastal area of Ecuador has been the source of most of Ecuador's exports. No country in the world has exported more bananas than Ecuador. The picture has changed during the past few years with the growth of industry in the mountain area and especially since the discovery of vast oil fields in the eastern jungles. Petroleum is now Ecuador's number-one export.

Ecuador's largest city is Guayaquil, situated on the Guayas River about 30 miles from the Pacific Ocean. It is a growing city of nearly a million population and serves as the chief port for the country. There are several shortwave stations that operate from Guayaquil and can be heard by DXers outside the country. Other cities in this coastal area that are familiar to DXers because of radio stations they have heard, or at least have

tried to hear, include: Esmeraldas, Santo Domingo de los Colorados, Portoviejo, Calceta, Bahía de Caraquez, and Quevedo. Remember as you listen to stations from these cities that they are all operating in this coastal region of Ecuador. They are all located in an area where the weather is warm and tropical.

DXer OF THE MONTH



Charles Allen tuning his RF-2200

The man we have chosen to be DXer of the Month for August should have had no trouble getting a picture of himself and his receiving equipment. Charles Allen lives in Rochester, New York, which might be called the capital of the photographic world. Rochester is the home of one of the industrial giants of our day, the Eastman Kodak Company. In fact, in many minds, the names Kodak and Rochester are nearly synonymous. We're sure you will agree that Charles has sent us an excellent picture!

Charles has only been involved in the shortwave hobby for a little more than three years. Unlike most ANDEX members, he became interested in DXing as an older man rather than during his teen years. After working hours he finds time to listen for an hour or so each evening. Weekends he has more free time to listen so he has his radio turned on for seven or eight hours. During the summer months he also finds time for other interests, such as fishing and baseball. He enjoys the baseball games that are carried on the local television channels.

Last December Charles purchased one of the new and popular Panasonic RF-2200 portable receivers. Like many others, he is very happy with this radio

and has never regretted his choice. The very accurate dial calibration helps to make shortwave listening more enjoyable. Charles lives in an apartment so he has installed a rather unique antenna system to augment the short 38-inch whip antenna built into the set. He ran seven pieces of copper wire across a window which is three-and-a-half feet wide. A common wire was connected to one end of each of these wires and then the other end was extended to the external antenna connection on the RF-2200. This gives greatly improved reception compared with the whip. His receiver is installed in his nine-by-twelve-foot living room.

Shortly after buying the RF-2200 receiver, Charles heard HCJB for the first time. He is now a regular listener to many of our programs, especially the DX Party Line. He joined ANDEX in early 1978 and is member No. 2804. So far, this is his first and only shortwave club. Some of the countries he has heard and verified include West Germany, Rhodesia, England, Spain, Finland, Switzerland, Sweden, Belgium, the Vatican, and, last but not least, Ecuador. As a fairly new DXer Charles feels he has gotten off to a good start. We can only agree with him and wish him the very best for an exciting future.

Our congratulations to Charles Allen and we are happy to present him to other ANDEX members as the DXer of the Month for August, 1978.

BRAIN TEASERS

Do you like to test your mental powers? Here are a couple of brain teasers sent to us by Mazhar El Haq Loan, ANDEX member No. 2790, who lives in Rawalpindi, Pakistan. Mazhar thinks these will keep you going for a long time, so match your wits with his.

The following sentence has the word "had" used consecutively ten times. Can you add the necessary punctuation so that the sentence will make sense?

Smith where Jones had had had had had had had had had had had satisfied the examiner.

Now construct a sensible sentence with the word "and" used consecutively five times.

Good luck, and we hope you have a lot of fun!

Answers next month