



### THE LIBERATOR



*Simón Bolívar Statue*

During the month of July, people in all parts of Latin America remember the birth of the greatest hero in the history of these countries. Simón Bolívar, often called "The George Washington of South America", was born in Caracas, Venezuela, on July 24th, 1783. The great drive of his life was to free Latin America from Spanish rule, create independent republics and unite them in a strong federation. His efforts in behalf of the independence of the struggling South American republics also won for him the title of "El Libertador" or "The Liberator."

Simón Bolívar was born into a wealthy and prominent family. His high position in Spanish colonial Venezuela might have led him to side with Spain. But he was an ardent patriot from the start and gave his entire fortune to his country's war for freedom. In his early years he studied in Europe and travelled, including a visit to the United States.

Returning to Venezuela just before the revolutionary uprising of 1810, he joined with the patriots. He was soon the leader of these forces but was defeated in 1812 and again in 1815. Forced into exile, he continued to fight with great courage. He led a victorious march over the Andes Moun-

tains in 1819. By 1822 he had liberated what is now Venezuela, Colombia, Panama and Ecuador. His defeat of the Spaniards at Carabobo, in Venezuela, is an outstanding event in the history of that country.

He then turned his attention further south, and his army won a brilliant victory at Ayacucho in 1824, which ended Spanish rule in Peru. In 1825 the southern provinces of Peru formed a separate state which was named Bolivia in honor of the liberator. He organized the government and drew up the constitution for this new country.

In spite of his military genius and brilliant victories, Bolívar was hated by many for his tyrannical dictatorship. He was falsely accused of desiring to make himself a monarch or permanent dictator of one of the liberated countries. There were plots to assassinate him. In Bogotá, Colombia, these plots nearly succeeded in 1826.

His desire to bring all the republics of the American Hemisphere into a strong federation resulted in the first Pan-American Conference held in Panama in 1825. However, there were no great results from the meeting. Bolívar failed to bring union and harmony to the parts of South America that he had liberated. He said bitterly, "I have plowed in the sea." He was reelected President of Colombia where he served until being forced to resign in 1830, when Venezuela separated itself from Colombia. He died shortly afterwards of tuberculosis, in exile and in poverty.

Bolívar's fame has grown steadily since his death. Today he is revered as the greatest of Latin American heroes. Statues of "The Liberator" are found in many places throughout South America, including the one shown in our picture. This Statue of Simón Bolívar leading his troops into battle stands in the Alameda Park in downtown Quito.

## HOXO & LIFE RADIO



*HOXO Control Room*

The Isthmus of Panama not only links two great oceans but also the two American continents. About 40 ships from all parts of the world make the transit between the Pacific and the Atlantic Oceans each day. Most of the air travel between the Americas passes through this narrow strip of land. Panama is certainly worthy of the titles it has been given, "Bridge of the Americas" and "Crossroads of the World."

In this strategic spot, HOXO went on the air on July 22, 1949, as a Christian radio voice. The station had been purchased by a group of local Christian laymen, organized under the name of The Tropical Broadcasting Association. For many years now HOXO has also been a full time ministry of The World Radio Missionary Fellowship, Inc.

Celebrating its 25th anniversary this month, HOXO reaches a potential audience of at least 750,000 persons. A large number of this group are Panamanians who speak Spanish and understand English. There are also 30,000 English-speaking people in Panama and another 50,000 in the Canal Zone.

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### **ANDEX International —**

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## SCIENCE & RELIGION

This is the scientific age in which it seems that modern learning has formed a new earth and looks forward to transforming the heavens. The evidence of these changes is all about us. Science and technology have changed our existence physically, socially and intellectually.

It would seem that the explosion of scientific progress has blasted God out of the world of learning. Many university professors are reticent to speak of God or acknowledge Him as the omnipotent being. Students understandably wonder whether the mountains of data accumulated through scientific and technological advances don't imply the unreality of God, or at least the irrelevance of such an idea. Dr. Elmer W. Engstrom, for many years the Chief Executive Officer of the Radio Corporation of America, who was largely responsible for the organization and management of a research and development program that led to a practical television system, says, "We live in an age when the results of science and engineering exercise the controlling influence in all walks of life."

Dr. Engstrom does not stop there. While multitudes of present day men and women are tempted to look upon science as their new god, and on the God of the Bible as outdated and old-fashioned, it is remarkable that an impressive number of outstanding scientists -- Engstrom among them -- declare that it is science that is always changing, while the God of creation is -- as the Bible says -- the same "yesterday, today and forever." Dr. Engstrom says, "I accept as real God's ruling in the affairs of men and in all respects of His creation, and I accept the validity of a scientific understanding of material things and the happenings of nature."

Contrary to a widespread understanding, it is not the "scientists" as such who are debunking the supernatural. Their authority, as a class, cannot be invoked against miracles or faith in the deity of Jesus Christ. Many philosophers -- notably naturalists in the free world as well as the dialectical materialists in the communist world -- contend that the scientific way of thinking disproves and discredits any faith in the supernatural. Nevertheless, some of the leading men of science have spoken up to expose the falsity of such claims. Dr. Engstrom is only one of these, and we plan to pre-

sent the comments of several others in future issues of ANDEX International. These testimonies of outstanding scientists are well worth serious consideration by all of us.

Yes, the testimony of many prominent men of science indicates that it is not possible to flippantly brush aside the Bible and the claims of Christ. It is a matter of great importance to each person to give serious consideration to the claims and teachings of Christianity.

In the Bible we read, "For God in His wisdom saw to it that the world would never find God through human brilliance." (I Corinthians 1:21 -- Living Bible) It also declares, "How can men be wise? The only way to begin is by reverence for God." (Psalms 111:10 -- Living Bible)

"The Lord says: Let not the wise man bask in his wisdom, nor the mighty man in his might, nor the rich man in his riches. Let them boast in this alone: That they truly know me, and understand that I am the Lord of justice and righteousness whose love is steadfast; and that I love to be this way." (Jeremiah 9:23, 24 -- Living Bible)

To know God and His love is life's highest attainment. The first step in realizing this goal is to put our faith in Jesus Christ as our personal Savior and Lord. "For God loved the world so much that He gave His only Son so that anyone who believes in Him shall not perish but have eternal life." (John 3:16 -- Living Bible)

Listen to DX Party Line, and invite your friends to tune in. Heard 3 times each week on HCJB.

For South Pacific: Monday-Thursday-Saturday  
0930 GMT 31 m - 9.745 mHz

For Europe: Monday-Thursday-Saturday  
1930 GMT 16 m - 17.815 mHz  
19 m - 15.300 mHz  
0930 GMT 25 m - 11.915 mHz

For North and South America:  
0230 GMT Sunday (9:30 PM Saturday EST)\*  
0300 GMT Tuesday (10:00 PM Monday EST)\*  
0130 GMT Thursday (8:30 PM Wednesday EST)  
19 m - 15.115 mHz  
25 m - 11.915 mHz  
31 m - 9.560 mHz  
0400 GMT Friday (11:00 PM Thursday EST)\*  
25 m - 11.915 mHz  
31 m - 9.560 mHz  
(\*31 m - 9.745 mHz for South America)

## DXer OF THE MONTH



*Edwin W. Hand*

The excellent equipment shown in the picture comprises the listening post of Edwin W. Hand. Although he has been interested in shortwave listening for less than one year, he has acquired facilities that would be the envy of many who have been DXing much longer.

Edwin is retired after a very active career of research in Nuclear Medicine. He now occupies his time doing volunteer medical work in hospitals in the Washington, D. C., area near his home in suburban Silver Spring, Maryland. Of course, he finds time to do some DXing as well as photographic work, another hobby he finds of great interest.

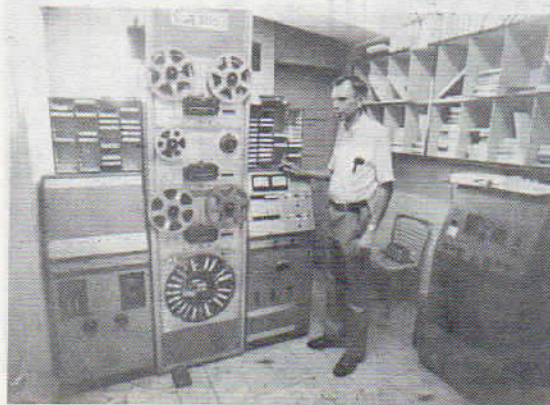
Included in the radio equipment used by Edwin is the following: Normende Pro portable shortwave receiver, Realistic DX-150B shortwave receiver, Ross VHF and UHF receiver, 100 kHz crystal calibrator and a Bell and Howell cassette recorder. A digital clock gives the local time, while a chronometer on the wall is set for GMT. A world map centered on Washington, D. C., gives immediate indication of the directions to all countries of the world. Antennas used by Edwin include a multiband dipole and a long wire with antenna tuner.

Edwin enjoys SWLing for 3 to 4 hours a day and finds the best hours during the evenings and early mornings, local time. The first DX station he ever heard was HCJB, before he had installed his antenna. He joined ANDEX soon after it was organized and is member number 321. His membership certificate can be seen on the wall.

ANDEX congratulates Edwin W. Hand on his fine shortwave listening setup and is happy to present him as the "DXer of the Month" for July 1974.

## MEET THE ENGINEERS

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*Stanley R. Swanson*

This month we are happy to feature another of our engineers working with World Radio. Stanley R. Swanson was born in Chicago, Illinois, and grew up in this same area of the United States. His higher education was obtained at Purdue University in Lafayette, Indiana, where he earned the B. S. degree in Electrical Engineering.

From 1951 to 1953 Stan served at the Naval Research Laboratory in Washington, D. C. Following this he moved to Rochester, New York, and took a position with the General Dynamics Corporation. He worked with this company until 1968 and was assigned to jobs in communications, navigation and anti-submarine warfare.

Stan first heard HCJB in the early 1940s. He joined the staff of World Radio in 1969 but was assigned to serve with HOXO in Panama City rather than in Quito. He has served as engineer for HOXO and Life Radio FM Stereo during the past 5 years. He designed and constructed the automation system used to operate the stereo FM station on a continuous 24 hour around the clock schedule. He has also helped in making many improvements in the HOXO equipment as this station has grown in power and service to the people of Panama and the Canal Zone.

Living with Stan in Panama are his wife, Shirley, and their two sons, Douglas and David, 10 and 9 years of age. When Stan has free time from his heavy responsibilities, he enjoys making repairs and improvements around his home. He is also active in his church where he serves as a deacon and on the Property Care Committee. Stan's favorite Bible verses are, "Trust in the Lord completely;

For this reason, HOXO broadcasts 17 hours each day with programming in Spanish and English. Programs of a cultural and religious nature are carried.

HOXO started out with a 500 watt transmitter but has now increased to 5000 watts of power. The frequency used is 760 kHz. The 5000 watt transmitter was manufactured by Mission Engineering, located in Cedar Rapids, Iowa. A 300 foot vertical tower serves as the non-directional antenna.

The outreach from HOXO has been increased by the addition of "Life Radio", an FM stereo outlet which operates with a power of 1000 watts on a frequency of 105.1 MHz. Using a 4 bay circularly-polarized antenna with a gain of 2.05 db, this station provides good coverage of the metropolitan area of Panama City. Programming consists of music with short gospel programs in both Spanish and English. The equipment is completely automated and programs run continuously, 24 hours each day. Five tape transports, 1 cartridge carousel and 2 cartridge machines are tied together and controlled by a master clock which produces a smooth flow of programs. An SCA sub-channel also operates to provide a background music service. Future plans for HOXO and Life Radio include the possibility of repeater stations for the FM service to cover other areas of Panama. Also the possibility of operation on shortwave is being considered for the near future. We will let you know as soon as any definite plans for shortwave have been decided upon.

At present any DXers trying to pick up HOXO will have to look for 760 kHz in the standard medium wave band. Reception reports from outside of Panama are welcomed and are verified by letter. Send all reports to Radio Station HOXO, Apartado 3269, Panama City 3, Panama.

ANDEX Membership Report: As this issue of ANDEX International goes to press, we have 730 members from a total of 38 countries. Tell your friends about ANDEX and help our membership grow.

don't ever trust yourself. In everything you do, put God first, and He will direct you and crown your efforts with success." (Proverbs 3:5, 6 -- Living Bible)