

MOREHEAD PLANETARIUM WAS TRAINING SITE FOR ASTRONAUTS

When the late John Motley Morehead announced more than two decades ago he was going to present his alma mater with a planetarium many people asked, "Why doesn't he give something useful?"

That question, rephrased today, would border on blasphemy.

However, in 1959 no university campus in the world had even a simple planetarium. Now, with the benefit of 20 years of hindsight, a great many North Carolinians point with pride to the Morehead Planetarium which has brought much distinction to both the University of North Carolina at Chapel Hill and the entire state in which it has become a major tourist attraction.

While the purpose of a planetarium is to recreate on an interior dome a facsimile of the solar system, the Chapel Hill facility can do that and much more.

Equipped with a new Model VI Zeiss planetarium which was installed early this year, the Morehead planetarium is one of the most sophisticated of its kind in the world. Among other things the new instrumentation allows the narrator to make the stars scintillate, to control the brilliance of the stars through a complete range of intensity and to project separately up to 20 constellation figures in motion with their respective star patterns.

The new projector can zoom in on any planet or star or star cluster for a view from any point on earth or earth orbit for any time forward or backward for thousands of years. It can show five different types of solar eclipses and a number of obscure things like the transits of Venus and the parallax of Sirius.

Approximately 125,000 visitors see the planetarium's daily shows each year. In addition, the planetarium is also contributing a vital role to man's conquest of space.

This week while Charles Conrad and Alan Bean descend upon the surface of the moon while their colleague, Richard Gordon, circles above in lunar orbit, three more of the Chapel Hill planetarium's former students will have become space heroes.

For almost 10 years, American astronauts have studied the fundamental techniques of probing their ways through the dark, unmarked avenues of space at the Morehead Planetarium in Chapel Hill.

Each of the astronauts is given an introductory program of celestial navigation when he is initially chosen for the space program. Then when he is assigned to a specific series of missions, he returns to Chapel Hill with his teammates for more advanced and more specific instruction.

Some of the astronauts have spent as much as 116 hours in the planetarium chamber itself with additional time in other parts of the facility. A separate program of instruction was designed for each of the Mercury, Gemini and Apollo programs.

The Gemini program, which involved the first real use of celestial navigation in the orbital missions, resulted in the most intensive use of planetarium facilities to date, according to Planetarium Director Anthony F. Jenzano.

The use of planetarium facilities have also contributed to the design of the space craft. For example, experiments in the planetarium helped determine

how large the viewing apparatus should be in the Apollo vehicles to enable the astronauts to effectively use the stars in celestial navigation.

Why was the UNC facility chosen by space officials?

In 1959, National Aeronautics and Space Administration officials invited planetariums around the country to submit a proposal of how their facilities could be used in training future astronauts.

Jenzano offered a plan for use of the Chapel Hill planetarium which was accepted by NASA. Since February 1960 the Morehead Planetarium has been the astronomical brain of the American space program.

This role has focused worldwide attention on the Chapel Hill facility which was established partially because a leading astronomer once stated that North Carolinians were "the most astronomically ignorant people in all America."

Morehead, irritated by the remark, told the author, Harvard's Harlow Shapley, "Amend your statement, Dr. Shapley, to read, 'Of all the people in America, North Carolinians are the most ignorant of astronomical matters' and we'll build a planetarium."

Dr. Shapley amended his remark and Morehead built the world's most sophisticated planetarium which now represents an investment of more than \$4 million.

The planetarium is only a part of the huge facility which also consists of art galleries, scientific exhibits and meeting rooms.

It has become so closely identified with the American space program that stamp collectors from all over the world send, stamped, self-addressed letters to be stamped with the Morehead Planetarium mark and mailed on the date of an important American flight.

Actually, its role in the space race is only one of the many functions it serves. Daily shows are offered weekdays for both student groups and public audiences. Public shows are also available on the weekends.

Planetarium shows, which include technical and seasonal attractions, combine the art of showmanship with the mystique of science to draw viewers and send them away with a little more knowledge of the universe than they brought with them.

Schedules of planetarium events are available by writing to the Morehead Planetarium, University of North Carolina, Chapel Hill, N. C. 27514.

The world's longest golf hole, a 745-yard, par-6, is located at the Black Mountain Golf Club.

There are 47 daily newspapers and 148 non-dailies published in North Carolina which boast a combined circulation of more than 1.5 million readers.

Babe Ruth hit his first home run at Fayetteville in 1914.

LEGAL NOTICES

NOTICE NORTH CAROLINA JONES COUNTY

WHEREAS, the undersigned, acting as Trustee, in a certain deed of trust executed by Herman M. McArthur and wife, Charlotte McArthur and recorded in Book 144, page 96 in the office of the Register of Deeds of Jones County, foreclosed and offered for sale the land hereinafter described; and whereas within the time allowed by law an advanced bid was filed with the Clerk of the Superior Court and an order issued directing the Trustee to resell said land upon an opening bid of Eight Thousand Nine Hundred Seventy Five and No/100 (\$8,975.00) Dollars.

Now therefore, under and by virtue of said order of the Clerk of the Superior Court of Jones County, and the power of sale contained in said deed of trust, the undersigned Trustee will offer for sale upon said opening bid at public auction to the highest bidder for cash at the door of the county courthouse in Jones County, Trenton, North Carolina, at 12 o'clock noon, on the 24th day of November, 1969, the following described property located in Tuckahoe Township, Jones County, North Carolina:

Tract No. 1: Beginning at a lightwood stake at the southwest corner of Pleasant Hill Church yard and runs South 26 1/2 West 150 yards to a maple in a branch, thence with the various courses of the branch to a lightwood stake, then South 87-00 East to a marked poplar on the public road and then with the public road to a lightwood stake, at the southeast corner of the church yard. Then a straight line to the beginning, containing 4 acres, more or less, being the same lands described in a deed from Luther King to Wilbur King dated November 5, 1949 recorded in Book 112, page 231 to which deed reference is hereby made for a complete description.

Tract No. 2: A tract or parcel of land lying and being in Tuckahoe Township, Jones County, North Carolina, beginning at a lightwood stake on the north side of the road leading to Ervin's cross road a corner of Hines Bros. Lumber Co. and runs thence with their line a northwardly direction to Trent River, thence with Trent River a southwardly direction to the bridge on the Trenton-Pleasant Hill Road, thence with the road to the Pleasant Hill Church property lines, thence with the Church property lines its various courses back to Ervin's cross road, Public road, thence with the road westwardly to the beginning containing 22 acres more or less. Excepting the Cemetery lots and Church lot from the operation of this deed. This being the same land conveyed to Wilbur King by H. I. King and wife, Janie King, recorded in Book 100, page 71, to which deed reference is heremade for a complete description.

Tract No. 3: Located in Tuckahoe Township, Jones County, North Carolina, beginning at the Pleasant Hill and Ervin Cross

Road to Hines Brothers line, thence southeastward to an iron stake in the line of Henry King and Hines line, then east to Luther King's line to a maple stump, containing 4 acres, more or less, being the same lands described in a deed from H. J. King and wife, Janie King, to Wilbur King recorded in Book 144, page 96, Jones County Registry. Being a part of the same lands as deeded to O. P. Sheppard and wife, Emma G. Thompson Sheppard from Wilbur King and wife, Edna F. King and Luther King of record Jones County Registry in Book 112, page 251. Being also the same lands as deeded to Herman M. McArthur and wife, Charlotte McArthur by O. P. Sheppard and wife, Emma G. Thompson Sheppard of record Jones Co. Reg. in Book 146, page 13.

Subject to unpaid taxes, and deeds of trust of record in Book 145, page 47, and Book 143, page 217, Jones County Registry. This the 6th day of November, 1969.

Darris W. Koonce
Trustee
Darris W. Koonce
Attorney at Law
Trenton, N. C.
JJ-11-13,20

NOTICE TO CREDITORS

The undersigned, having qualified as Administrator of the Estate of Jasper Metts, deceased, late of Jones County, this is to notify all persons having claims against said Estate to present them to the undersigned before the 14th day of May, 1970, otherwise, this notice will be pleaded in bar of their recovery.

All persons indebted to said Estate will please make immediate settlement.

This the 14th day of November, 1969.

Mable T. Metts,
Administrator of the
Estate of Jasper Metts
Brock and Gerrans
Attorneys at Law
Trenton, North Carolina
J-11-20,27; 12-4,11

IN THE GENERAL COURT
OF JUSTICE
SUPERIOR COURT
DIVISION

STATE OF NORTH CAROLINA JONES COUNTY

ADMINISTRATOR'S — EXECUTOR'S NOTICE

Having qualified as Executor of the estate of George Brimage of Jones County, North Carolina, this is to notify all persons having claims against the estate of said George Brimage to present them to the undersigned within 6 months from date of the publication of this notice or same will be pleaded in bar of their recovery. All persons indebted to said estate please make immediate payment.

This the 5th day of November, 1969.

Donald P. Brock,
Executor
P. O. Box 219,
Trenton, N. C. 28585
Brock and Gerrans
Trenton, N. C.
Attorneys
11-6,13,20,27



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