



Apollo Astronauts Study Celestial Navigation At Morehead Planetarium  
Schweickart, Chafee, McDivitt and White . . . Chaffee and White died in Cape Kennedy capsule fire last year

## Morehead Planetarium Visitors Travel In Company Of Astronauts

By ERNEST H. ROBL  
of The Daily Tar Heel Staff

For 65 cents you can not only take a trip to the moon and back, but you can also travel in time, and either way you can be assured you are traveling in good company.

Since 1960 the Morehead Planetarium on the campus here — the first major planetarium on a college campus — has been used to instruct the United States'

astronauts in celestial navigation.

The planetarium first opened its doors in 1949. Director A. F. Jenzano has been in charge of its operation since then and was responsible for insulating and developing the astronaut training program.

The planetarium staff is now eagerly anticipating a new star machine which will be the most modern in the world when it is installed in 1968. The current Zeiss projector was built in 1930 and brought to the United States in 1948 by its donor, the late John Motley Morehead.

In 1959 the instrument was modernized by the planetarium staff with the latest available improvements. Last year the John Motley Morehead Foundation gave the planetarium \$200,000 to replace the current projector and to add numerous supplementary devices. Some of the instruments for the new star machine have already arrived but the new projector will not be put into operation until the fall of 1968.

The current machine can not only show the sky as seen from any point on earth, it can also

show how it appeared or will appear from that point at any time as far as 26,000 years ago or 26,000 years in the future.

Special devices have been developed by the planetarium staff to show astronauts how target vehicles appear during docking maneuvers and to allow them to judge the distance between vehicles in space.

These same devices as well as actual photographs and films made by the astronauts in space are used by the planetarium in many of its public programs.

Under the agreement between the University and NASA, astronauts often show up unexpectedly, sometimes on weekends, with little or no notice. Audiences have frequently been surprised to find one or more astronauts sitting in one of the back rows, using the public presentation to further familiarize themselves with star patterns.

To aid the astronauts the planetarium has also constructed simulators which give the same field of view as those of various space capsules.

For its public programs, which change several times a year and are keyed to the

seasons, the staff also employs animated models to dramatize presentations.

The summer program "Three To The Moon" tells the story of the Apollo program and summarizes America's past efforts in space. This program concludes Sept. 16.

"Probing Space" will precede the planetarium's traditional Christmas program which begins Nov. 21. This and the annual Easter program are the planetarium's most popular, drawing thousands of viewers from across the state as well as from neighboring states.

In trying to take its educational message to as wide a segment of the population as possible, the planetarium also conducts special showings for school groups.

The planetarium building itself also houses numerous scientific and art exhibits.

Public planetarium programs are presented daily at 8:30 p.m.; on Saturdays at 11 a.m., 1, 3, 4 and 8:30 p.m.; and on Sundays at 2, 3, 4 and 8:30 p.m. But frequently there are extra seats available for showings specially arranged for a group, and the public may also purchase tickets for these programs.

Planetarium shows cost 65 cents (with student I. D.). There is no charge for viewing any of the planetariums other exhibits.

# Four Leading Writers Expand UNC Program

By JOAN PAGE

The University campus here will become somewhat of a literary haven in the coming year with an expanded creative writing program and visits of four of the nation's leading literary figures as writers-in-residence.

Novelist Max Steele, last year's writer-in-residence, is replacing the late Jessie Rehder as head of the creative writing program. Steele's novel, *Debby*, won the Harper Brothers \$10,000 prize in 1950. A collection of his short stories will be published Jan. 31 by Harper and Row under the title: *Where She Brushed Her Hair*.

Two other writers will work full-time with Steele in the creative writing program. They are Wallace Kaufmann, a member of the English faculty here for several years, and Doris Betts of Sanford, fiction prize winner.

Also participating in this year's program will be Prof. Louis D. Rubin, former chairman of the Hollins College English Department, and Durham novelist Sylvia Wilkinson. Other noted writers will take part in the program periodically.

A Duke graduate, Kaufmann received his Bachelor of Literature Degree from Oxford University, Merton College, where he was a Marshall Scholar. Many of his poems, stories, articles and reviews have been published in scholarly journals and newspapers. A novella, *Promises of Spring*, will be published in the fall edition of *The Red Clay Reader*.

Doris Betts is the author of two novels, *Tall Houses in Winter* and *The Scarlet Thread*, and two short story books, *The Gentle Insurrection* and *The Astronomer*. She has received a Mademoiselle Award, a UNC-Putnam award, a Guggenheim Fellowship in Creative Writing, and the Sir Walter Raleigh Award twice for North Carolina fiction.

Sylvia Wilkinson is author of

*Moss on the North Side*, and *A Killing Frost*, scheduled for publication by Houghton Mifflin Co. in September. She received a Eugene Saxton Memorial Trust grant while studying creative writing at Hollins College and attended Stanford University on a writing fellowship. She formerly taught at William and Mary College.



Max Steele  
... heads program

Rubin will teach the honors course in writing. A former Guggenheim and Sewanee Review Fellow, he served as a Fulbright lecturer in Nice, France. He has taught at Johns Hopkins, the University of Pennsylvania, Louisiana State, and is a former associate editor of the *Richmond, Va. News Leader*.

He has written or edited several books including a novel, *The Golden Weather*; critical studies of Thomas Wolfe, Ellen Glasgow and James Branch Cabell; and a study of modern Southern literature entitled *The Faraway Country*. His two most recent books are *The Teller in the Tale* and *Southerners and Jews: Essays in American Literature*.

For the first time, the University will have more than one writer-in-residence during the coming year. Prof. Robert M. Miller will head the program, which will bring four visiting writers to the campus.

The authors will include writer-producer-director Norman Corwin, teacher-writer David Madden, writer Harry Mark Petrakis and poet Carolyn Kizer. They will not have formal teaching duties, but will meet informally with classes and students interested in writing and contemporary American culture.

Each visiting writer will give one formal public address. The expanded program is designed to give students, faculty and townspeople greater opportunity to meet representatives of various forms of literature.

Corwin will visit the campus Sept. 18-Oct. 20. A Radio Hall of Fame Fellow and award winner, he is a former Newspaperman and CBS writer, director and producer. He has served as chief of special projects for United Nations radio and once chaired

the Documentary Awards Committee of Motion Picture Arts and Sciences. His works include films, two stage plays and several dramas.

Madden will be on campus from Oct. 18 to Nov. 22. He is associate editor of "Film Heritage" and is creative writing and dramatic literature lecturer at Ohio University. He studied with John Gassner at Yale Drama School as John Golden Playwriting Fellow, and with Waite Van Tilburg Clark at San Francisco State College. He served as assistant editor of the *Kenyon College Review* for two years.

Carolyn Kizer will serve as writer-in-residence from March 4 to April 5. She is founder and editor of *Poetry Northwest*, a journal published at the University of Washington.

## Five Grad Students Will Teach In Poverty Program

Five graduate students in the School of Social Work will begin field instruction in community action under a \$15,317 federal grant this fall.

The program — financed by the Office of Economic Opportunity — is aimed at:

STRENGTHENING the knowledge and skill of Community Action Program personnel through association with the University.

PROVIDING field training in connection with graduate studies in community development and community problem solving.

The five graduate students are: John Freas, assigned to the Orange-Chatham Community Action Program in Carrboro; Gerald Allen, State Planning Task Force, Raleigh; C. O. Williamson, Experiment

in Self-Reliance, Winston-Salem; Carolyn Carruth, Charlotte Area Fund, Charlotte; and Tonio Lasater, Guilford Community Action Program, Greensboro.

The five students are now in the second year of their masters degree study. All are majoring in community action.

W. L. Riddick II has been named field instructor for the unit. He has worked previously with Coastl Progress Inc. in New Bern; the Agricultural Extension Service in Person County, and the Neighborhood Youth Corps in Asheville.

Riddick received his B.S. degree in agricultural engineering from A & T State University in 1961, his masters degree in adult education from N.C. State in 1966.

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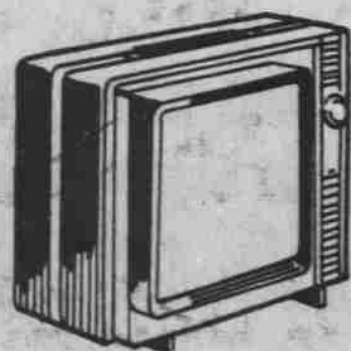
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