

The Daily Tar Heel

Seventy Years Of Editorial Freedom

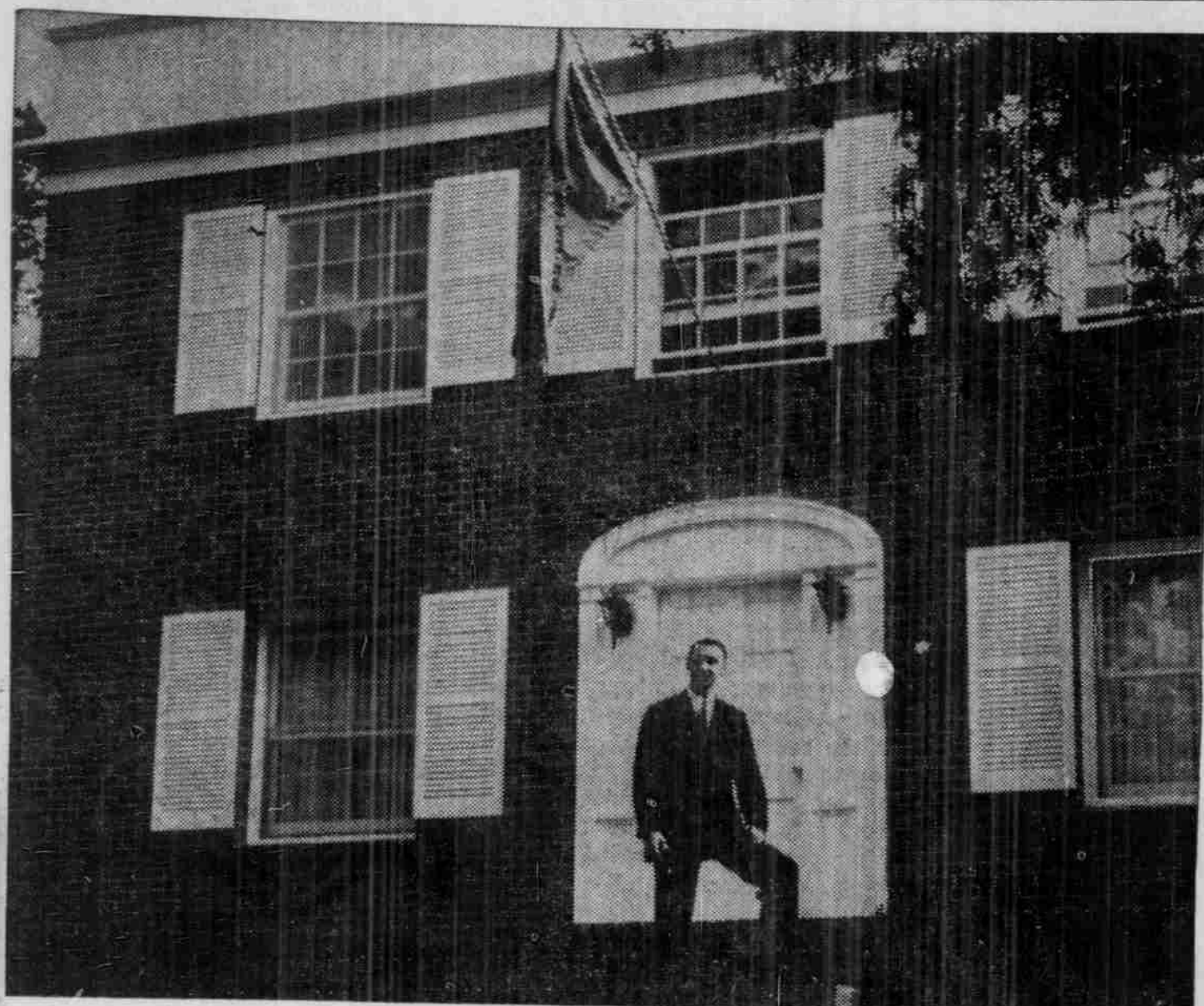
CHAPEL HILL, NORTH CAROLINA, SATURDAY, SEPTEMBER 29, 1962

Weather

Mostly cloudy and cool.

Complete UPI Wire Service

Officers in Graham Memorial



NEW HOUSE—Richard Windham, Sigma Phi Epsilon president, stands on the steps of the fraternity's new house on West Cameron Avenue. Started last February, the house stands on the site of the old Sig Ep house and is now complete except for minor details.
—Photo by Jim Wallace

SPE Moves Into New House

Members of the Sigma Phi Epsilon fraternity moved last week into their newly constructed house for which they have been waiting for the past eight years. Zoning regulations and lack of money largely accounted for the delay.

Construction on the West Cameron Avenue house, which accommodates 29 men, began last February, and is almost completed. Cost on the red brick structure was approximately \$50,000.

A unique fact concerning the house is that it was built on its old foundation and still retains its original floor plan and ivy-covered chimney.

The living room features a brown

brick wall and fireplace, and is carpeted wall-to-wall in beige. Draperies from ceiling to floor are of a darker beige-gold.

The spacious party room in the basement is paneled in pine with a refreshment bar at one end. Budweiser lanterns hung at intervals contribute to the atmosphere.

A special feature is the accessible flat roof upon which the Sig Ep's plan to hold some of their rush parties.

According to president Richard Windham, the Sig Ep fraternity plans to make full use of its new facilities to improve its standing on the campus this year.

Ole Miss Students Silent On Barnett

By MIKE PUTZEL

Students at "Ole Miss" were close-mouthed yesterday about the present battle over James Meredith's admission to the University.

The DTH contacted two student leaders in telephone interviews to determine what the students are doing or saying in connection with the Meredith incident.

According to information received from student leaders, the primary concern of the students at present is the possibility the school might close or lose its present standing as an accredited school in its region.

Neither student contacted would make a public statement on how the "Ole Miss" students feel about Gov. Ross Barnett's action to keep a Negro from registering at the University of Mississippi.

Asked what was happening on campus, one student said, "Nothing. That is, nothing can be seen from campus right now. The State Troopers are out at the gates, but the gates can't be seen from here. As far as our opinion on the matter goes, we feel that this is strictly a political matter to be handled by the state officials, and we have no authority to speak on how the students feel."

The DTH asked if any students had taken any action either in support or in opposition to Gov. Barnett. One student government official said, "There has been no organized action on campus, and

there have been no public statements by students other than the usual discussion among friends."

Another student said, "There has been only one demonstration, and that was caused by outsiders coming on campus. I don't think there were any students other than freshmen involved."

Special Session Petition Passed

A petition to call a special session of the Student Legislature is being circulated by several legislators, in an effort to bring some immediate action upon the resolution supporting James Meredith's attempts to enroll in the University of Mississippi.

The special session, if called, will meet on October first. In an effort to "have discussion while the issue is relevant, we must act now, if we intend to act at all" the petition states. The petition must have fifteen signatures according to the By-Laws of the Constitution.

It will be presented to Speaker of the Legislature, Mike Lawler. It is expected that the fifteen signatures will be acquired readily. The text of the petition follows:

Telegrams Urge Negro Be Admitted

The text of telegrams supporting James Meredith's efforts to enter the University of Mississippi were released today. Those signing the messages were student body President Inman Allen, Vice President Mike Lawler, and National Student Association Coordinator Harry DeLang.

To President Kennedy:

"As students of the University of North Carolina, we wish to express our confidence in your enforcement of federal law at the University of Mississippi. We support James Meredith's efforts to gain admission, and urge that the decision of the 5th district Court of Appeals be upheld, by the use of troops if necessary."

To the President of the student government of "Ole Miss":

"The voice of your student government can and should be a significant force in the present crisis facing your university. I urge you to stand up against the intervention of state officials, and support the decision of the 5th district Court of Appeals in the admission of James Meredith. The Greatness of 'Ole Miss' can better be upheld by a victory over violence and hate than a defeat before federal troops."

To James Meredith:

"As students at the University of North Carolina, we support your efforts to enter the University of Mississippi. Your courage in the face of bigotry, disregard for law, and frustration has been an inspiration for all students. We have confidence that the U.S. Constitution will be upheld and your admittance will be a milestone in the struggle for human equality."

First Recital Has Soprano Solist

The first recital of this year's Tuesday Evening Series will be given in Hill Music Hall at 8 p.m., October 2, by Teresa Orantes, staff soprano soloist with the Rockefeller Memorial Chapel of the University of Chicago, and first place winner of the annual auditions of the National Association of Teachers of Singing held last December in Boston.

Barnett Refuses To Budge; Judges Reach No Decision

For Viet Nam Service

Grad Student Decorated

Army Lt. Col. James O'Brien has been presented the Army Commendation Medal for service rendered in Viet-Nam, at special ceremonies held by Carolina's AFROTC Cadet Group.

Lt. Col. Gordon D. Kage, Professor of Air Science, presented the medal to Mrs. O'Brien, who pinned it on her husband. The honor was presented to Col. O'Brien for his service during 1961 as a member of the Military Assistance Advisory Group. O'Brien was staff and academic advisor to the Vietnamese National Military Academy.

A graduate of West Point, O'Brien describes the Vietnamese school as "our West Point of 150 years ago." After returning from Viet-Nam, O'Brien was sent to UNC where he is pursuing a masters degree in personnel administration.

Col. O'Brien has attended numerous military schools, including the Command and General Staff College at Fort Leavenworth, Kan. He served four years as an associate professor of engineering at West Point. He served six years, including World War II time, in Germany.

BULLETIN

NEW ORLEANS UPI—A federal appeals court found Gov. Ross Barnett in contempt of court. It gave him until 11 a.m. next Tuesday to purge himself and if he fails to do so he will be arrested and fined \$10,000 a day.



COMMENDATION—Lt. Col. James O'Brien, USA, watches as his wife pins the Army Commendation Medal on him. O'Brien received the medal for service last year as a member of a U. S. Military Assistance group to Viet-Nam. Standing to the left is Lt. Col. Gordon D. Kage, Professor of Air Science, who presented the medal to Mrs. O'Brien. Photo by Jim Wallace

Goheen Chosen To Deliver Main University Day Talk

Robert F. Goheen, president of Princeton University, will be the main speaker at "University Day" exercises here Friday, October 12, at 11:15 a.m. in Memorial Hall.

President Goheen will address students, faculty, trustees, alumni and visitors on the occasion of the cornerstone laying of Old East Building in 1793, which marked the beginning of the first state university in the United States.

Chancellor William B. Aycock will preside.

There will be a faculty procession, with members of the University faculty assembling at the Old Well in caps and gowns at 11 a.m.

Robert F. Goheen is the sixteenth president of Princeton University. He is a classicist who insists that "liberal education is, in a most essential way, education for use—certainly not a luxury item which a free society can afford to surrender or even dilute." He succeeded Dr. Harold W. Dodds in 1957. President Goheen was graduated at Princeton in 1940.

He is 43 years of age, once directed the Woodrow Wilson Fellowship program, was a Professor of Classics prior to his induction. He was born in India, the son of Presbyterian missionaries.

He was a member of Phi Beta Kappa and graduated with the Highest Honors in the Special Program in the Humanities.

He was a scholarship-holder and a self-help student throughout his undergraduate career, and also was a member of the soccer team, president of the Intramural Athletic Association, Latin Salutatorian at Commencement in 1940.

During World War II he was inducted into the Army and attained the rank of lieutenant colonel, served in the Pacific, and has several wartime decorations, including four battlestars and arrowheads for invasion landings.

The University of North Carolina is now in its 169th year. Students were first admitted in 1795. In the annual October 12th celebration there is usually a ceremony recognizing the laying of the Old East cornerstone.

Last year in Kenan Stadium President John F. Kennedy was the speaker on University Day.

Three new professors, hailing from Czechoslovakia, China and Wilmington, N. C., have been named to the faculty of the Dept. of History.

The three new faculty members, all assistant professors, are Drs. Yi Chu Wang, Josef Anderle, and Frederick Behrends.

Wang was a Visiting Associate Professor of History at the University of Kansas last Spring and before that was on the faculty of the University of Chicago. He has also taught at the University of Texas, at Dickinson College and elsewhere. Born in Peiping, China, he became

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Three Professors Of History Named

A naturalized citizen of this country last year. He is the author of a number of articles and one book, "Chinese Intellectuals and the West," published this year by Hongkong University Press. His teaching specialty is in history of the Far East.

Anderle, born in Czechoslovakia in 1924, was enrolled at the University of Prague but left that country in 1948 when the Communists gained control. He then studied at the University of Munich and at the University of Chicago where he received his Ph.D.

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Federal Forces Still Waiting For Move Order

OXFORD, Miss. (UPI)—Eight federal judges and 700 U.S. marshals closed in on Gov. Ross Barnett from two sides Friday but the rebellious governor stood steadfast in his vow that Negro James Meredith shall not enter the University of Mississippi.

Barnett again defied the judges who earlier had cited him for contempt, by refusing to appear before them in a contempt proceeding Friday in New Orleans. The hearing went on without him and it appeared likely he would be held in contempt for ignoring federal court orders to admit Meredith to the school.

The marshals, backed by 110 Army engineers, moved to within 80 miles on the campus—just across the state line in Memphis, Tenn. They were prepared to act on a moment's notice should the government decide to use force to get Meredith onto the campus.

Attempt Expected Monday

However, all indications were that the government would wait until Monday before again attempting to take Meredith into "Ole Miss."

The campus and the town of Oxford were quiet Friday. For the first time in a week heavy concentrations of police officers were nowhere in sight and students and townfolks went normally about their business on the bright, fall day.

But under the facade of calm were deep tensions.

The federal court ruling was awaited with anxiety. Its implementation could bring violence in Mississippi. In the morning session, the judges heard arguments on what steps should be taken to force Barnett to admit Meredith. Burke Marshall, a Justice Department lawyer, told the court that the department felt Barnett should be given until Monday to purge himself of contempt.

Tuttle Gives View

Chief Judge Elbert P. Tuttle told Marshall:

"The court has practically exhausted its power in these circumstances. The court has no powers to execute its orders. The court feels that the time has come that the burden falls on the executive branch of government."

When the hearing opened at 11 a.m. CST 2 p.m. EDT in the federal building, the courtroom was jammed but the crowd was orderly. The eight federal judges sat on the bench in their black robes. U. S. marshals controlling the crowds in the corridor and outside the building used walkie talkies for communications.

Meredith was at a table in the front of the room.

Mrs. Constance Baker Motley, attorney for the National Association for the Advancement of Colored People asked for a far more extreme view than did the Justice Department on what action should be taken now.

Mrs. Motley Favors Force

"I think the enforcement of the court's orders should go forward immediately by the use of whatever force is necessary," she said. "The government has suggested a fine until such time as the governor has purged himself of contempt."

"The appellant Meredith does not feel a fine is adequate. A collection would be taken up in Mississippi to pay the fine."

Although he was not present himself, Barnett was represented by a battery of attorneys, headed by John C. Satterfield, former president of the American Bar Association.

Judge Tuttle opened the proceedings by asking:

"Is there a respondent present for Gov. Ross Barnett?"

There was a silence. Then Satterfield advised the court that he and his colleagues represented the governor who was not present. Tuttle

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Physics Prof Inspecting Superconductors

Perpetual motion, movement which once started continues forever with no further energy supply, has long been listed by scientists as one of the world's "impossibles."

Physicists here, however, are experimenting with a scientific phenomenon that could be classed as a form of perpetual motion: "superconductivity."

It occurs in certain metals when they are cooled to only a few degrees above Absolute Zero, which is -459.6 degrees Fahrenheit.

Dr. Charles V. Briscoe, UNC Assistant Professor of Physics, has been investigating "superconductivity" for nearly four years.

Lack of Resistance. Superconductivity can be defined as the ability of certain

metals when very cold to pass an electric current with no resistance at all. Electrical resistance in ordinary metals quickly saps the energy of electricity passing through them and eventually brings the current to a halt. But, currents in small rings of superconductive metals have been kept running for more than two years with no loss of energy and would probably go on forever.

Dr. Briscoe's investigations concern the reaction of superconductive strips of metal to electric currents with frequencies in the 10 to 100 Kilo Megacycle range. These are frequencies 100 to 1,000 times higher than those broadcast by an ordinary FM television transmitter.

The metal he is using is tin, in sheets only about 50 atoms thick. These sheets are thin enough to

be seen through like a piece of smoky glass.

The tin sheets are rolled with liquid helium, the coldest of liquids, and became superconductive suddenly at about 6.75 degrees F. above Absolute Zero.

Practical Application. Superconductivity offers some interesting possibilities for practical application outside the laboratory. It may prove useful for electronic computers in satellites where compactness and minimum current use is desirable. The intense cold and vacuum of outer space will reduce cooling problems. It has even been suggested that superconductivity may someday reduce our light bills, but this is far in the future.

The "why?" behind superconductivity and this sudden and complete loss of resistance baffled physicists for nearly 50 years after the phenomena was first noted in 1911. The present theory is based on the highly complex field of "quantum physics" which holds that energy comes in tiny packages or chunks called "quanta."

The theory still leaves many questions unanswered and needs extensive refinements. Answering some of these questions is the object of Dr. Briscoe's research.

Atomic Vibrations. The theory explains the phenomena roughly in these terms. Electrical resistance is caused by infinitesimal internal vibrations within the atoms of every piece of metal. These vibrations interfere with the movement of electrons which make up electric currents and sap their strength. Electrical wires get hot be-

cause the energy lost through resistance is released as heat. All power companies allow for a certain amount of energy waste along powerlines because of this heat transfer.

The atom vibrations which give rise to resistance can be reduced by lowering the temperature. The colder the metal, the less the resistance. Thus, power companies can actually operate cheaper on a cold winter day than a hot summer one.

This explains something, but not all, about superconductivity. A steady loss of resistance with increasing cold would be expected in metals. The unexpected is that at a certain very cold temperature, which varies slightly for different metals, the pattern of slow loss is broken and all resistance is suddenly lost.

Minimum Energy

The "quantum theory" explains this by stating that when atoms have been reduced to their last "quanta" of energy by temperature reduction, they have no energy left to spare for interference with electric currents.

It has even been suggested that this last bit of atomic vibration may speed the electrons in the current on any other obstacles in their path.

Although Dr. Briscoe has confined his experiments to tin, many other metals and alloys can be made superconductive. A strange fact is that metals which are good conductors at room temperature, such as copper and silver, have not been found to be superconductors even at the lowest temperatures obtainable.

Campus Briefs

COMMUNICATIONS Committee will meet Monday night at 8:30 in Woodhouse room of Graham Memorial. All members have been urged to attend.

There will be a reception for all old and new WOODROW WILSON FELLOWS from 4-6 Tuesday in the Faculty Lounge of the Morehead Building.

WOMEN'S ORIENTATION counselors have been asked to return the WAA preference forms to Mrs. Hogan at Women's Gym or to Carol Clayton at the Alpha Gam house. These forms are needed immediately.

THE UNIVERSITY DANCE Committee will hold its first meeting Monday at 7 in the Grail Room. All members must attend.

ALL FRESHMEN who want to participate in rush will meet Monday night at 7 in Memorial Hall. This is the meeting that was originally scheduled for last Thursday.

THE COMMUNITY CHURCH on Purefoy Road will have nursery service for the children of all parents attending its worship services.

Society Meets

The Elisha Mitchell Scientific Society will meet Tuesday, Oct. 9, at 7:30 p.m. in 265 Phillips Hall. The program will include a report on research activities of the Department of Physics and election of new members.