

Pigs At Duke Suffer Heart Attacks For Science's Sake

NEW YORK — By inducing heart attacks in pigs, Duke University scientists have learned that a drug long used to subdue dangerous heart beat irregularities may also be effective in preventing them in the first place.

The research, described here Saturday at the American Heart Association's scientific sessions, points to the possibility that the drug can be prescribed at the onset of a heart attack as a means of heading off rhythm disturbances and speeding recovery.

The drug is quinidine, a chemical relative of malaria-fighting quinine. It currently is used to treat irregular heart beats.

Choosing pigs because their coronary system is similar to man's, the Duke team pro-

duced heart attacks in the animals by placing a tiny constrictor around the main coronary artery.

The constrictor is made of stainless steel with a casein or Ameroid centerpiece. It has a small V-opening in it so that it can be slipped over the blood vessel. Initially it does not interrupt blood flow. But over a period of between 24 to 48 hours, saline in the body causes the centerpiece to swell and close until finally circulation is stopped and a heart attack is produced.

Disturbances in the action of the heart constitute a serious complication of heart attacks. Approximately 20 per cent of fetal heart attacks are a direct result of uncontrolled irregular heart beat, authorities maintain. These occur in

the first hours and days after an attack.

"It seems reasonable to assume," said Dr. James Morris, one of the researchers, "that with early treatment with quinidine, this large number of deaths might be prevented."

Doctors face an extremely difficult task in attempting to interpret the sequence of events which lead to heart attacks. For this reason, they hesitate to evaluate the effects of any drug in the heart attack patient without first studying its action in laboratory animals.

In studies done elsewhere, the heart attacks are induced during surgery. The Duke method is different in that the animal has fully recovered from the surgery and is up and walking about in a cage or chamber when the heart attack occurs.

Dr. Morris said that seven of 20 pigs treated with quinidine survived total shutdown of the artery, compared with three of 20 pigs not given the drug.

It was also found that quinidine increased survival time among the animals that did not recover. In this group, animals treated with quinidine lived an average of 31.3 hours compared with 19.7 hours for those not treated.

Dr. Morris emphasized that this type of research does not necessarily assure that quinidine will be effective in humans with abnormal heart beats after the onset of a heart attack.



GIGI—The 16-year-old French gamine in the title role of the Raleigh-Durham Barn Dinner Theater's current offering, is played by Althea Rose, a vivacious young singer-dancer-actress.

'Gigi's' Innocence Confounds Elders

RALEIGH — An innocently captivating and vivacious teen-age girl who confounds her worldly wise elders is in the title role of "Gigi," the famous Broadway play continuing nightly at the Raleigh-Durham Barn Dinner Theater through October 30.

Althea Rose, playing the part of "Gigi," drew critical acclaim here and in the Greensboro Barn, from which the local troupe came this month. A petite brunette and an accomplished dancer and singer, Miss Rose has the role taken by Leslie Caron in the movie version of Anita Loos' play which is set in Paris about 1900. Miss Rose recently finished her first movie, "Up the

Down Staircase," and has been in numerous TV and stage shows.

Opposite her as Parisian playboy Gaston Lachaille, the swain Gigi's mother and aunt hope will take the girl as his mistress, is David Dangerfield. A TV and movie actor, he is a native of Greenwich Village, New York.

Director Tony Calabrese announced that the show was completely re-staged with a cast change for re-opening on the local arena stage last Thursday night (Oct. 20). Jan Lebo, who has twice before appeared with Barn troupes, joined the cast of seven as Madame Alvarez, Gigi's grandmother and tutor in womanly wiles.

Others in the acting company are Susan Allee, Gigi's mother, who has appeared in the movie "Seven Year Itch," and the Kraft TV Theatre; David Holland, depicting "victor," major domo for the women who vainly try to indoctrinate Gigi; and Alan Lantieri, a manservant in the household.

The play is abetted by the popular songs of Lerner and Lower between the six scene changes. "Gigi" will be followed at the Raleigh-Durham Barn by the popular, "Picnic," now being presented in Greensboro, is scheduled to open here on Nov. 2. Admission to the Barn, by reservation only, may be arranged by calling 787-7771 Raleigh or 596-6343 Durham; or from elsewhere, WX-2100 Durham (Toll free).



STARRING Stephen Boyd, Raquel Welch, Edmond O'Brien, Donald Pleasence, Arthur O'Connell, William Redfield and Arthur Kennedy. Produced by Saul David. Directed by Richard Fleischer. Screenplay by Harry Kleiner. Adaptation by David Duncan. Music by Leonard Rosenman. CinemaScope. Color by DeLuxe.

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None In N. C. Fraternity Men's Grades Top Over-All Averages

College fraternity scholastic averages in almost two-thirds of the nation's higher institutions where chapters are located exceeded the respective All Men's Averages for the previous academic year, according to an analysis released by the National Interfraternity Conference.

A total of 295 institutions with fraternity chapters reported comparative figures for the academic year 1964-65, the highest number since records have been accumulated by the scholarship reporting service of the Conference. During the year, 62 per cent of the reporting institutions showed campus fraternity averages above the All Men's Averages, involving 3,159 individual fraternity chapters.

The campus-wide fraternity scholastic average lead has been going up steadily over the All Men's Average in reporting institutions for the past decade according to the analysis. The previous two years, the lead held at slightly over 59 per cent of the institutions reporting.

When compared on an individual chapter basis nationwide, and disregarding campus averages, the fraternity scholastic averages have maintained a par relationship with All Men's Averages for the past several years. During those years, as many fraternity chapters throughout the country were above the All Men's Averages as were those below it. In the academic year 1964-65, the figure was 49 per cent of all fraternity chapters nationwide, while the previous two academic years the figure hovered approximately at the 50 per cent mark. A decade ago, only 44 per cent of the chapters were reported over the All Men's Average.

In 1964-65, 43 institutions qualified for the Summa Cum Laude rating for superior scholarship where every fraternity chapter on their respective campuses exceeded the All Men's Averages. Of these institutions, 7 achieved this signal honor for three consecutive years. They include University of Akron, Arkansas State College, Georgetown College, Murray State College, Texas Technological College, Wisconsin State College at Stevens Point, and Wisconsin State College at Whitewater.

No North Carolina College was on the list.

Of the 61 national general collegiate fraternity organizations, 29 had over a majority of their individual chapters averaging higher than the All

Men's Averages on their respective campuses. In three cases — Alpha Delta Gamma, FarmHouse, and Phi Lambda Chi — every chapter in their organizations was above the All Men's Average on their respective campuses.

All data was developed from official sources supplied directly by the institutions and processed by the scholarship reporting service of the National Interfraternity Conference. Chairman of the scholarship committee of the Conference is Harold E. Angelo.

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TRYOUTS FOR HANSEL & GRETEL
Tryouts for Hansel and Gretel, to be performed January 7th and 8th, will be held in Hill Hall Auditorium at 4:30 Sunday and Monday October 30 and 31.
Singers and actors needed (also technicians). Rehearsals will be Thursday evenings and Sunday afternoons until the week before performance, when rehearsals will be every night for one week. The play will be directed by Laurel Dykstra.
These Are Open Tryouts—Everyone Is Invited

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