

## Down In Front

By Biff Roberts

### The Old Man And The NC

AN UN-FITTING CLOSE came to one of the best coaching records in the nation last Tuesday night when Carl Grey Snavelly announced his resignation as head football coach at Carolina. For 26 years as a head tutor he had been at the top of the coaching roster. It's a shame that he had to bow out after a season that had been shackled with ill luck from September to November.

Until the 1952 season, when his denouncement began, the Old Man had a brilliant record. His teams had won 140, lost 57, and tied 14. In the years between 1946 and 1949 he had sent three teams to bowl games. The nation acclaimed him as one of the best in the game.

But in the three years from that final great season in 1949, the Old Man and the NC declined. In that span of time his teams won but seven games—what would be considered good for one Snavelly season. The wolves started howling after the 1950 season. This season it became unbearable. The Old Man stepped down. His reasons weren't announced, but there's no doubt the glum alums had something to do with it. Coaching has been Snavelly's living for 26 years. A man doesn't treat his livelihood that lightly.

### King Carl

BUT WHAT EVER his reason for stepping out, and whether you like his leaving or not, the fact remains that he's gone and the job of hiring a new coach is already moving. Snavelly was criticized greatly during the past three seasons—for his coaching, handling of the boys, running of the team during a game, etc. Perhaps some complaints were justified. But one thing that can not be taken away from the Old Man, regardless of his losing streak, was his fairness on and off the field. He played his cards straight. When one of his boys needed help Snavelly could always be counted on to lend a helping hand.

Snavelly's story is almost one of riches-to-rags. In the Justice-Weiner days he was King Carl, but try to remember how many times he's been called that in the past three years. Back in the late forties he had men, tempered by war service, playing for him. When the last of the vets left he was confronted with the problem of going back to building boys, fresh out of high school, into college stars. Somewhere in that transition period something missed.

### Less We Forget

HE'S BEEN TRYING to build those boys into stars during the past three years but the Carolina teams haven't materialized. Whether it was his fault, the players' fault, or the assistant coaches' fault will have to be decided in the next season—under a new head coach.

Snavelly has been offered a position with the Department of Athletics and Physical Education, but whether he stays is still to be answered. His love for coaching may send him to another school. Then again, because of his age, he may stay here. The answer rests with Snavelly himself.

Nothing is more disheartening than seeing a champion going down. Snavelly contributed great records to Carolina in his 10-year reign as coach. Whether you are sorry to see him go or are in the group that feels it was time for a change, you must give the Old Man his credit. His contribution to Carolina has been a great one. Our sometimes too-short memories shouldn't forget that.

# Tar Heels Play Richmond Here Tonight

## Seek Third SC Victory Of Season

Unsatisfied with two Conference wins this week, Carolina's basketball team will be out to make it three at Woollen Gym tonight when it faces Richmond University.

The shooting begins at 8 o'clock.

The Tar Heels are not taking Richmond for granted. The Spiders reportedly looked surprisingly strong in a preseason scrimmage with Duke at Durham and are listed on some charts as a loop dark horse.

Coach Frank McGuire will probably start the same five that opened Wednesday night's win over Washington and Lee. That would place Jack Wallace and Jerry Vayda at the forwards, Bud Maddie at center and Vince Grimaldi and Bob Phillips at the guards.

Paul Likins, reserve center, appears to be fully recovered from an illness that kept him out of the opening game with The Citadel. Against Washington and Lee, Likins showed good form in two limited appearances. He should be ready for full service tonight.

The Junior Varsity game will open at 6 o'clock.

## Swimming Team Meets VMI Today

The North Carolina swimming team opens its road season to Virginia Military Institute in a Southern Conference dual meet.

Carolina, the Conference champions, will start with a small but veteran team. Carolina has compiled a 12-0 record in the past two meets, and will be looking for their third straight win.

Coach Ralph Casey will direct the Tar Heels, taking over the job from Dick Jamerson who resigned last summer. Casey has served as Tar Heel coach on two previous occasions and formerly was coach at V.M.I.

# THE DU PONT DIGEST

## Plant and Equipment Design and the Engineer

At Du Pont, men with many types of training translate laboratory developments into full-scale production



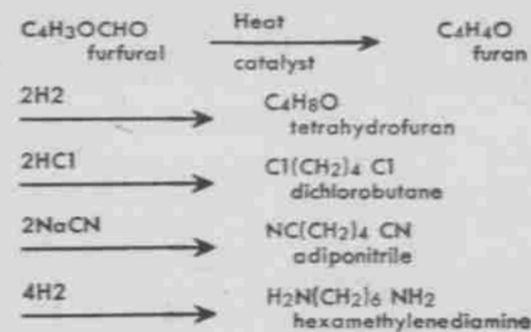
Roger Jones, B.S. in Chem., Haverford College '52 (right), and operator, check temperature control in the conversion of furfural to furan.

Among the most interesting fields for engineers at Du Pont is the design of plants and equipment.

It takes ingenuity of a high order to translate a small-scale laboratory operation into all-out commercial production. Design engineers cannot always use purchasable equipment to scale up research findings, even with considerable adaptation. About half of the time at Du Pont, entirely new equipment must be designed because of the novelty of the process developed by research.

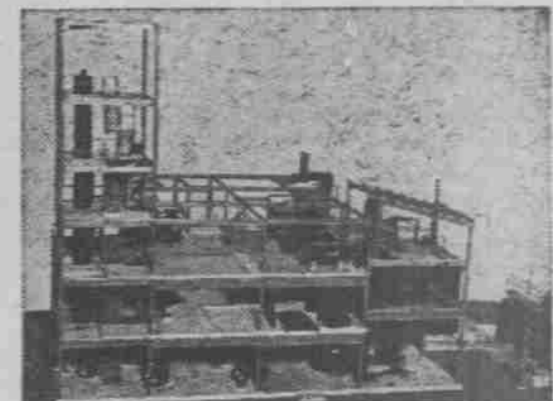
For example, a number of unusual problems were involved in designing the equipment and plant for a process in which hexamethylenediamine, one of the intermediates for nylon, is made from furfural, derived from such agricultural by-products as corn cobs and hulls of cottonseed, oats and rice.

In this conversion, these steps are involved:



Here are some of the special problems that were encountered:

1. Design of equipment with close temperature control for converting furfural to furan. The design finally settled on employs a large number of tubes containing a catalyst, with a coolant circulated around them. Special sequence



Scale model of a part of the plant where adiponitrile is made from furfural.

timers were devised for operation of the valves controlling production and regeneration cycles.

2. Design of high-pressure agitated autoclaves for the hydrogenation of furan to tetrahydrofuran.

3. Selection of corrosion-resistant equipment for the hydrochlorination of tetrahydrofuran to dichlorobutane at high temperatures.

4. Design of a unique five-step distillation train to obtain high-grade adiponitrile without trace impurities.

Although most of these problems involve a great deal of chemical engineering, also needed on the designing team were mechanical, electrical, civil, metallurgical and industrial engineers. Thus design work at Du Pont is open to men with many types of training, and there is abundant opportunity for all.



E. W. Griffin, B.S. in M.E., Duke; M.S. in Ind. Mgt., Georgia Tech '52 (right), instructs operator in handling of vapor-tight horizontal vacuum filter used in separating adiponitrile from sodium chloride.

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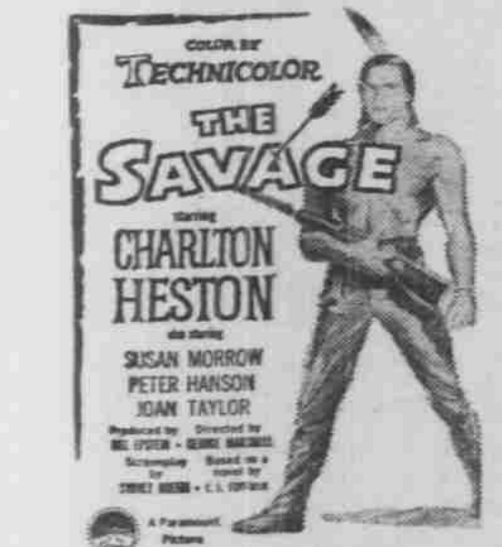
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The professor of Egypt's Al-Azhar, oldest existing Moslem university, came out against co-education, they said is just plain promiscuity, "unsuitable to the Islamic way of life." This situation," they contended, "has turned certain male students from true scientific activity."

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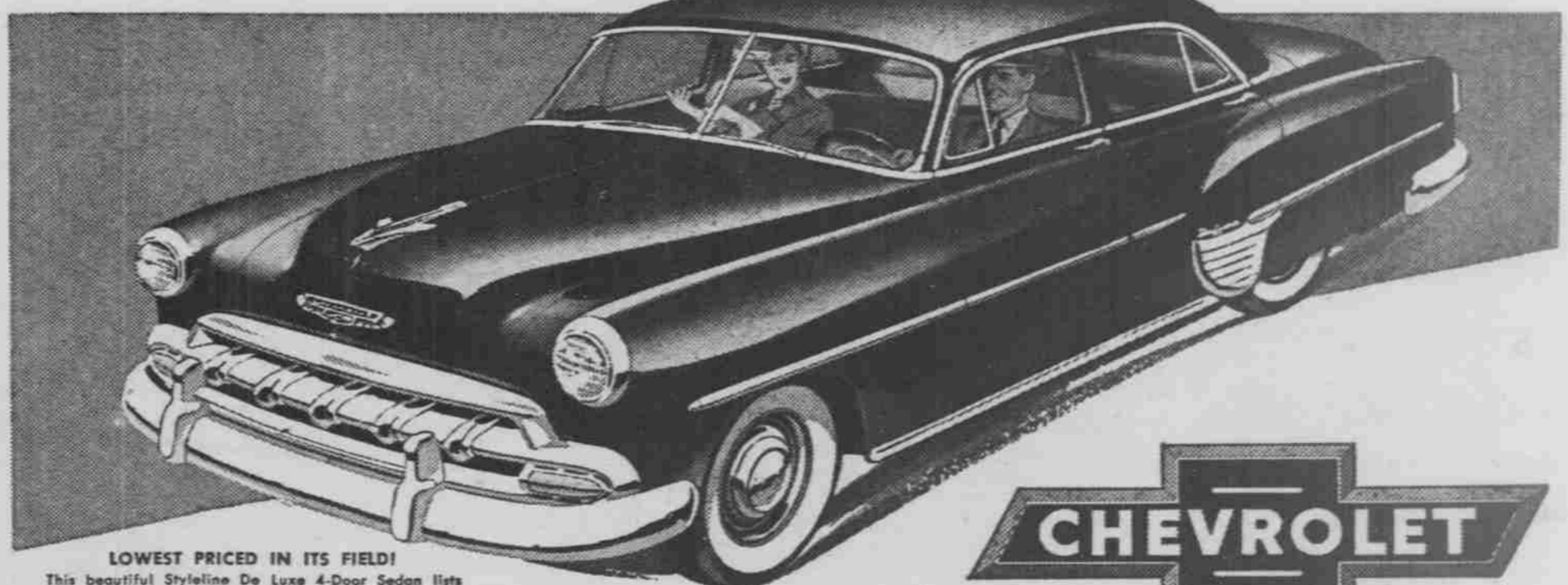
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