

Carolina Cage Star Selected On Third All-American Team

John Dillon regular with Coach Ben Carnevale's spotlight University of North Carolina basketball team was chosen on his third All-American team. Chuck Taylor picked Dillon on the Converse selection for All-America it was made known this week. Dillon already has been picked on the Sporting News number one cage team and the New York radio sports commentators selections. Dillon was a hookshot artist with the White Phantoms this past season, and amassed 494 points via the aforementioned method. He played a vital role in leading the Carolina five to Madison Square Garden and the NCAA semifinals.

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Full Sports Card Features Mural Program

Softball Heads Summer Schedule

The Carolina summer intramural schedule will get under way next week with a full card planned by the intramural department in several summer sports, including softball, tennis, handball, swimming and dancing. Softball will head the list of summer sports, with games scheduled daily at 4 p.m. on all fields. Softball games will start next Thursday, with

MURAL INFORMATION

Any individual or organization desiring information about entering intramural competition for the summer can obtain that information by calling F-3321 or by visiting the intramural office in 217 Woolen gymnasium.

all entries to be turned in by next Tuesday afternoon. All organization such as fraternities, dormitories or independents are limited to enter one team in the competition.

Tennis competition will be run in the form of a tournament to be carried on all through the summer. The tournament will include women's singles, men's singles and mixed doubles. Entries for tennis will be marked on the sheets available on the tennis courts, and must be turned in by Friday, June 21.

Handball will include mens' doubles, with entries to be turned in by Friday, June 21.

The swimming competition will be run in the form of a swimming meet to be held on July 18. Entries will be made for the various events and heats will be arranged for the entries at a later date.

Pool Regulations For Summer Term Are Announced

Students will be able to use the outdoor pool for recreational swimming at hours announced by the physical education department.

Monday through Friday the pool will be open from 11:45 to 12:45 and from 2 to 6:30 in the afternoons. On Saturdays the pool will be open from 11 to 1 and from 2 to 6. On Sundays from 2-5.

Students are reminded that they must don their swimming apparel at the locker rooms of the gym before using the pool. All male students are required to use University swimming trunks, and all students must have an infirmary permit prior to using the pool.

For further information with regard to swimming regulations call 3431, the physical education department number.

Children may use pool, at other than instruction periods from 11 to 12:45 Monday through Saturday and 3:30-5 every day.

Graham Given Degree At Harvard Exercises

President Frank P. Graham was honored by Harvard University last week at their commencement exercises when he and twelve others, including General Eisenhower, Admiral Nimitz and General Arnold, received the degree of doctor of laws.

Later that day President Graham spoke at the annual meeting of the Harvard Alumni Association, where he called for a recognition of the power of ideas in an age of the power of machines.

Athletic Office To Accept Football Ducat Applications

The athletic ticket office is now accepting applications for season tickets for Carolina's 1947 football campaign and the Duke game, it was announced this week.

Alumni which includes present students will be given priority on the tickets up until July 1 at which time the general public will have an opportunity to get season tickets and Duke game ducats.

The following special procedures will be adhered to for the Duke game which is expected to be a sell-out: 1-Orders for season tickets will be serviced first. 2-Orders up to and including six tickets will be filled from the best location available at the time of receipt of the order. 3-When more than six tickets are ordered, six seats will be assigned from the best location available at the time, and the rest of the order will be held in abeyance until July 1 and then filled from the best location available. Season tickets command a preferential seat throughout the season.

Checks or money orders should be mailed to box 109, Chapel Hill in care of the ticket office, University Athletic Association.

Swimmers Meet Monday

All men interested in trying out for the summer swimming team are requested by Coach Jamerson to report to the indoor pool 2:30 Monday afternoon.

Veteran's discharge pin: ruptured duck.

Scott To Replace Carnevale As Head Basketball Mentor

Midwest Coach Lands Position

By Jim Pharr

Carolina's basketball coaching staff for next year began to take shape this week with the announcement of the appointment of Tom Scott, Athletic Director of the Central Missouri State Teachers College, to the position of head coach here, replacing Ben Carnevale, who took over coaching duties at the United States Naval Academy.

Scott will have the job of reorganizing Carolina basketball, with the 1946 team, which went to Madison Square Garden and national fame, in the NC AA tourney, being defeated in the final by the Oklahoma Aggies 43-40.

Scott, who comes to Carolina about the middle of August to begin his work, has a reputation as one of the outstanding cage coaches in the Midwest. He was graduated from Kansas State Teachers College in 1930 with a major in physical education and played basketball there four years.

The new basketball coach began his coaching career at Moundredge Kansas High School, where he put in two years, followed by three years as coach at Halstead, Kansas, High School. In 1935 he went to Moorhead, Minnesota, where he served as public school physical education director for one year.

In 1936 Scott was made head coach of Concordia College, Moorhead, Minnesota, where his teams took second and third place in the M.S.C. Conference. In 1938 he went to the University of

Iowa, where he got a masters degree in physical education.

Scott took over his present coaching position in 1938, when he was elected head basketball coach at Central Missouri State Teachers College. In five seasons at Warrenburg, his team won four championships, one undefeated, and one second place in the M.I.A.A. Conference. In the conference, his teams won 42 out of 50 games during the five year period, while in all games played, they copped 92 out of 126 games for a percentage of .730.

Tournaments won by Scott's teams include Oklahoma City, El Paso, and St. Joseph, Missouri. In 1942, Scott coached his team to fourth place in the National Tournament at Kansas City.

A REGULAR meeting of University Lodge No. 408, AF&AM, will be held on Monday, June 17, 1946 SECOND DEGREE

A pedestrian is a man whose son is home from college. —Technique, Ga. Tech.

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Du Pont Digest

Items of Interest in the Fields of Chemistry, Engineering, Physics, and Biology

Chemistry Finds Better Way to Descale Steel

One of the most bothersome problems in the metal industry is the removal of scale from the surface of stainless steels and other alloys. Scale is a thin film of metal oxide which forms at high temperatures during fabrication or processing. It is very abrasive to dies and other metal-forming tools, and if not completely removed causes serious flaws in the surface of finished products.

Several years prior to World War II, Du Pont chemists, engineers and metallurgists went to work on the problem of developing a quick and positive descaling process. When success came three years later, a secrecy order prevented its public announcement at that time—the discovery went directly into war work.

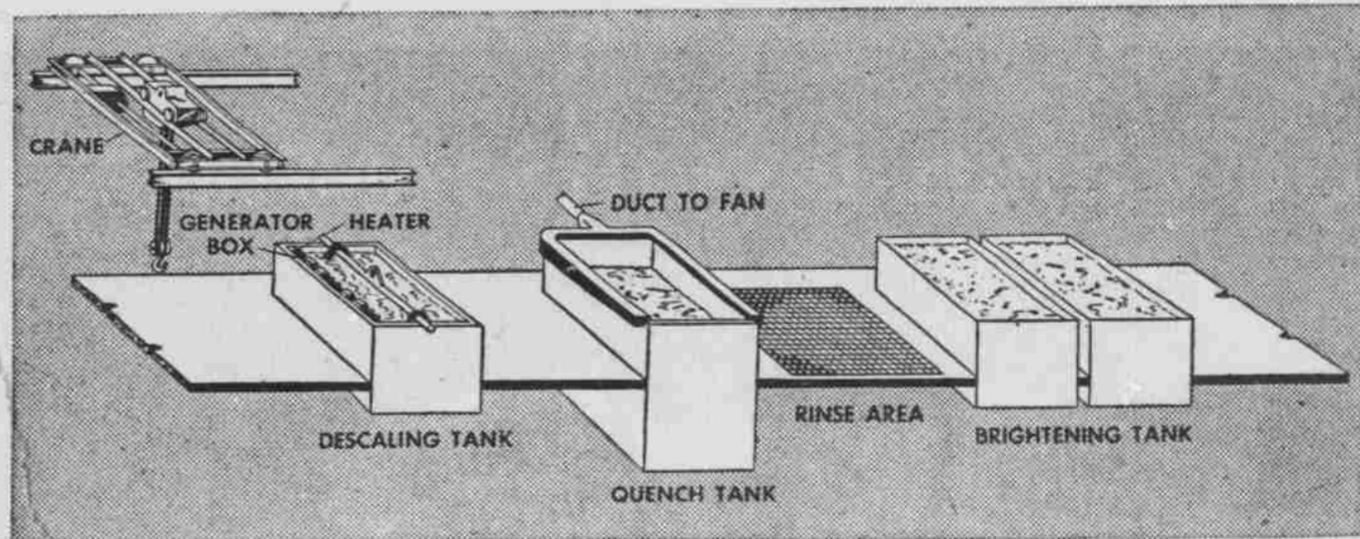
Process Development

In developing the process, a group of Du Pont Chemists found that small amounts of sodium hydride, dissolved in molten sodium hydroxide, effectively removed scale without attacking the base metal or embrittling it. However, the problem then arose of finding an efficient and economic means of obtaining the sodium hydride. This was accomplished by developing an ingenious apparatus for forming it directly in the molten sodium hydroxide (700° F.) from metallic sodium and gaseous hydrogen.

Metal chambers, open at the bottom, are placed along the inside of the descaling tank and partly immersed in the bath. Solid sodium is introduced into these chambers, and hydrogen gas bubbled through. The sodium hydride formed is diffused uniformly throughout the molten caustic.

Practical Application

The metal to be descaled is immersed in the bath which contains 1.5 to 2% of sodium hydride. Scale is reduced to the metallic state for



A typical layout showing arrangement of equipment for sodium hydride descaling. The usual treating cycle comprises sodium hydride treatment, water quench, water rinse and acid dip for brightening.

the most part in from a few seconds to twenty minutes, depending on the size and type of material.

The hot metal is then quenched in water, and the steam generated actually blasts the reduced scale from the underlying metal. A water rinse and a short dip in dilute acid complete the process and produce a clean bright surface.

This process has been called the most significant development in the cleaning of metal surfaces in decades. It is representative of what men of Du Pont are doing to help American industry to better, quicker, more economical production methods.

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Among the most versatile members of the family of cellulose products—whose members include rayon, cellophane, lacquers and plastics—is the synthetic sponge.

Du Pont cellulose sponges have many of the attributes of the kind that grow in the sea, plus several additional advantages. For example, quality can be kept uniform; texture and hole-size can be predetermined; they can be cut to handy shapes, and they may be sterilized by boiling.

The complicated 10-day manufacturing process starts when viscose is produced by adding carbon disul-

phide to alkali cellulose (from wood or cotton), and dissolving the mixture in water and mild alkali. To produce holes, crystals of the desired size are introduced. Heating in a salt solution hardens the viscose and dissolves out the crystals. Washing, centrifuging and oven-drying complete the operation.

Questions College Men ask about working with Du Pont

"DOES THE DU PONT COMPANY EMPLOY ENGINEERS?"

There are many diverse opportunities at Du Pont for engineers. Principal requirements are for chemical and mechanical engineers, but opportunities also exist for industrial, civil, electrical, metallurgical, textile, petroleum and others. Practically all types of engineering are included in the work of the manufacturing departments and the central Engineering Department. Openings for qualified engineers exist at times in all of these departments.



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