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MEN OF GRIDIRON RECEIVE HONORS

Stars Awarded to Six Men. Six Men Receive Letters

The morning chapel period January 16, was turned over to the Men's Athletic Association. The president of the A. A., L. L. Williams, took this occasion to present to the men of the football squad, who attained the required record, the emblem of service which is given Guilford athletes as a mark of appreciation for services rendered.

The requirements for winning a "G" are that the man must be in three Varsity games, one of which is won by the team. For each additional season in which these requirements are met a star is awarded.

Six men received stars for the past season's work, "Bony" White, G. McBane and Captain Newlin are the first in length of service, having been through four seasons, White and Newlin received their second star and McBane his first. Babe Shore has served three years with the squad and having made the Varsity during his first year also received his second star. E. McBane and B. C. Shore were awarded their first star for the two years' work with the Varsity. The men who filled the requirements and were awarded a "G" are Smith, Jack Frazier, Lassiter, Warrick, Purvis and Taylor. Williams a three year man who suffered an injury early in the season which prevented his playing in Varsity games was given special mention.

SCIENCE IN THE AIR

Supercharger Made Record Breaking Air plane Flight Possible.

The present record breaking airplane flight of Lieut. J. A. McReady to a height of over 40,000 feet, was made possible through the use of special turbine supercharger. This is a device which takes the scant supply of oxygen from the rarefied atmosphere at these tremendous heights and compresses it to sea level density, supplying it at this density to the carburetors of the air plane engine.

The supercharger does the same thing for the engine that oxygen flasks do for the pilot—prevents suffocation.

Beyond altitudes of 15,000 feet, the aviator must begin to take oxygen.

As the aviator approaches 20,000 feet, the gas engine of his airplane begins to struggle, also for want of oxygen; for at that level there is only half as much oxygen in the atmosphere as there is at sea level. The speed of the engine slows down because there is not enough oxygen for combustion.

Aided by the supercharger, however, the airplane can now master heights unattainable without it. The supercharger has given the gas engine of the airplane actually more vitality than the man who rides in the airplane.

Dr. Sanford A. Moss, research engineer, who designed the G. E. supercharger, has made the apparatus work by means of a complete cycle of operations. The red-hot exhaust gases from the airplane engine, which formerly passed off into the air as wasted energy, are now made to discharge against a small turbine wheel, causing it to revolve at between 20,000 and 30,000 revolutions per minute.

The turbine drives a centrifugal air compressor, which compresses the small percentage of oxygen in the rarefied air to sea level density and feeds it into the carburetors of the engine. That enables the engine to continue running at full power; to continue driving the propeller of the airship; and to continue discharging exhaust gases, which, in turn, continue to operate the turbine wheel.

QUAKER QUINT BEGINNING TO SHAPE UP

First game with Ejon on January 31.

Two more weeks before the opening of the college basketball season, ought to find the Quaker aggregation in excellent shape. The whole squad has been undergoing practice, since the holidays designed to increase the efficiency of a passing game. Dribbling has not been entirely eliminated, but unnecessary work of this kind is looked upon with disfavor. Every effort is being made to make the quintet a skillful passing team.

Four letter men of last year are on the court and will furnish the frame work of the basketball machine this season. J. G. Frazier, veteran forward is back at his old position and has proven himself capable of making records equal to former achievements. J. W. Frazier, who played forward last year is displaying flashes of speed and good shooting. Mackie, one of last year's substitutes is doing good work at center. G. McBane, a guard of last year and Newlin, who played center in some games last year have been placed in the guard positions. Gate, Crews, Hayworth, Paine, Kendall and Ferrell are also displaying some skill at the game. All indications seem to point to the development of the best quintet that has represented Guilford in several years.

Although the college season does not open until we meet Ejon here January 31, the team will meet the strong Winston-Salem "Y" team in Winston Wednesday, evening, January 18. The Winston team is composed of former college players and will afford a good practice game for the Quakers.

DAVIDSON COLLEGE ANNOUNCES 1922 BASKETBALL SCHEDULE.

Wildcat Cage Artists Face Many Southern Teams on Difficult Schedule

Davidson, N. C., Jan. 18—Davidson College opens the 1922 intercollegiate basketball season February 1st, when she plays Wofford College at Davidson. Davidson is somewhat handicapped in that only one of last year's letter men is back, Captain Crawford at guard. However, many of last year's scrubs are showing excellent form and it is expected that Davidson will be represented by a team that will be worthy of the name "Wildcat" in every particular. The saying is though that Coach Hengeveld's broad grin is due to the excellent work of several Freshmen on the light but unusually fast second team.

Manager Cornelison has announced the following schedule for the Wildcats:

February 1, Wofford at Davidson
February 2, Clemson at Davidson
February 4, N. C. State at Davidson
February 7, Trinity at Durham
February 8, N. C. State at Raleigh
February 9, Wake Forest at Wake Forest
February 10, Elen at Elen
February 13, Trinity at Charlotte
February 15, Elen at Davidson
February 18, U. of S. C. at Davidson
February 21, Clemson at Clemson
February 22, Wofford at Spartanburg
February 23, U. of S. C. at Columbia
February 27, Wake Forest at Davidson.

The total dividends of the various Standard Oil companies since the dissolution of the parent company in 1911 are \$925,250,359.00. During the last quarter of the current year these companies paid dividends of \$28,736,727.00.

ELIZABETHAN PLAYERS PRESENT "THE TAMING OF THE SHREW"

In "The Taming of the Shrew" as presented by the Elizabethan players under the direction of Pierre Pelletier, on Saturday, January 14, Guilford students enjoyed an unusual treat. The play, while much abridged was staged as nearly as possible in the Elizabethan manner, with hangings for a background instead of scenery and very few stage properties.

The troupe, six in number, displayed much versatility in the way in which they handled a play involving twelve characters. First honors, of course, belong to Mr. Pelletier, who presented admirably the role of Petruchio. Mrs. Pelletier, who played the part of Katherinethe Shrew, also won the hearty support of the audience, particularly in her interpretation of the final scene.

Mr. Barron, as Grumio, and Mrs. Krant, in the part of Curtis, were also especially good, although all the minor parts were well enacted.

Mr. and Mrs. Pelletier have both had extensive professional careers, Mr. Pelletier having acted with Sothern and Marlowe for two years, with Mrs. Fiske and other famous stars as well as having directed several stock companies, while Mrs. Pelletier starred in "What Happened to Mary."

TURNING WAR'S KNOWLEDGE TO PEACE TIME USE

By E. W. Davidson.

The lessons we learned at war were multitudinous. The boundaries of human knowledge were pushed far afield. But how is the world to profit by it all

The answer comes from Engineering Foundation, which in a report on co-operation in industrial research, declares that America is entering on an "era of industrial research in which corporations large and small are linked with government agencies, engineering organizations, and universities in a systematic effort to salvage the knowledge gained in war and turn it to peace time use in order to awaken the nation's latent industrial power."

And the research laboratories of the land are to play a large part in this invaluable work. It is the highest tribute this country ever paid to those scientific workshops and to the men in them—scientists, engineers, experimenters, in a word "Inventors"—who were once scorned as futile, puttering fellows by all-wise Business.

For years these industrial "invention shops" of America have been conscientiously at work pioneering constantly into the unknown, producing achievements of industrial value or of purest science or nothing, as success attended or failed to attend their efforts. The great laboratories of the United States Steel Corporation showed how to build better rails and more dependable frames for sky scrapers. Those of the Du Pont interests produced more serviceable explosives and a wider range of valuable by-products. The Eastman laboratories continuously make photography easier and more accurate. Swift and Company's "inventors" do wonders with foods.

The General Electric Company's 275 scientists engineers and allied workers, both men and women in the big laboratory at Schenectady, save the country a billion dollars every year on its electric light bills through improvements in incandescent lamps. And so it goes, the nation over. More than 1200 companies have laboratories. More than 9000 men and women work in them. They serve the people of the whole world by cheapening and bettering goods, finding substitutes more satisfactory than original products and continually giving humanity more comfort, more happiness and more to live for.

OAK RIDGE DEFEATED BY GUILFORD SECONDS

Game Close and Hard Fought Throughout

As the preliminary to the opening of the varsity basketball season the Guilford second team met Oak Ridge here January 13 and administered a defeat, 29 to 28.

The team put up a hard scrap from the beginning, and numerous fouls were called on both sides. Throughout the first half the scoring ran neck and neck. The Oak Ridge boys seemed to have the greater number of chances but were unable to find the basket most of the time, so that at the end of the first half the score was tied.

At the beginning of the second half the visitors spurted into the lead and by means of some active floor work managed to pocket the ball for several points margin. The Quakers found themselves however in time to overtake the lead and make the game safe by one point.

"Shorty" Frazier was the outstanding man for Guilford. His playing was hard and consistent and a greater part of the goals made go to his credit. Mackie played a good game at center, increasing in speed toward the last of the game and showing more accuracy in shooting. Hood and Rector played a strong game for the visitors.

The line up: Oak Ridge—Hood, left forward; Shields, right forward. Potts, center; Warren, right guard; Rector, left guard.

Guilford—Hayworth, left forward; Frazier, right forward; Mackie, center; Kendall, right guard; Ferrell, left guard.

Field goals: Hood 4; Shields 3; Parks 4; Rector 1; Frazier 7; Mackie 6; Fouls—Hood 4; Frazier 1; Mackie 2.

Substitutions: Guilford—Thomas for Hayworth. Crews for Thomas; Payne for Kendall; Tate for Crews.

Referee—Stuart.

FRENCH REPLACED BY ENGLISH

At many international conferences in the past French has been the only language used by the delegates at their meetings—for the good reason that there was no other that all of them knew. In more recent years it has been the custom to establish intercommunication between the delegates by means of interpreters, and usually it was the English who had most need of such services. In Washington the situation has changed. The one language that almost all of the delegates know is not French, but English, and if it were not for the French delegates there would be no need to call in an interpreter for anybody. In this the Frenchmen will see a threat that not for long will their admirable tongue retain the proud distinction of being "the lanage of diplomacy." Perhaps it already has lost that distinction, in actuality if not in theory. From one point of view this is to be regretted. The change imposes upon the statesmen and representatives of the world's several nations the task of learning, in addition to their own language, an extremely difficult one, instead of one that is comparatively easy to acquire.

Henry Ford suggests that the material that goes into the manufacture of washpans and other implements of warfare be made into agricultural implements,—thereby literally fulfilling the prophecy of Isaiah.

More than 85 per cent of runaway marriages are failures, according to Dr. Geo. Clarke Houghton, pastor of the Little Church around the Corner in New York City, who has made a study of elopement.

GIRLS' BASKETBALL TOURNAMENT

Two Games Already Played

At the opening of the girls' basketball season the sixty girls who play basketball were divided into eight teams. Many have been coming out for practice and much interest being taken. A tournament which will determine the best team of the eight is being played now.

On January 17 team V lost to VII lost to team VI, score 10 and 6. Team VIII, score 17 and 8. Team All of the teams played well even though some of the players were not very experienced. They showed much improvement for the short time of practice. There are many excellent players among these groups and some very interesting and exciting games will be played.

Tuesday January 17, the other four teams will play. This will end the first round of the tournament. The second tournament will be played January 19. The date for the final game has not yet been determined.

Line up:
Team No. VI. Team No. VII
Riley F. N. Carroll
Reynolds F. V. Tuttle
Garner C. Vuncannon
M. E. Neece C. Johnson
Teague G. Tassiter
G. Tuttle G. N. Allen
Team VIII Team V
E. Raiford F. E. Henley
M. S. Wilkins F. Clodfelter
M. White C. Ragsdale
W. Taylor C. Futrell
Louise Ross G. Edmunds
K. Watson G. Osborne
Substitutes: Sallie Wilkins for Katherine Riley.

Referee: Miss Robertson.

\$7,000,000 FOR FARMERS

Approval of advances for agricultural and livestock purposes and to finance sugar beet growing aggregating more than \$7,000,000 has been announced by the War Finance Corporation. Of this total, \$4,050,000 will be advanced at once in the Utah sugar beet growing districts. The agricultural and livestock advances were distributed as follows: Oregon, \$248,000; Montana, \$120,000; New Mexico, \$112,000; Wisconsin, \$25,000; Missouri, \$272,000; Illinois, \$100,000; Iowa, \$728,000; Minnesota, \$94,000; South Dakota, \$260,000; North Dakota, \$50,000; Nebraska, \$20,000; Texas, \$730,000; Georgia, \$67,000; Louisiana, \$34,000. Florida, \$25,000; and North Carolina, \$50,000.

ONIL A FEW UNIDENTIFIED

Of all the American soldiers killed in France, only 3,089, or a little over 2 per cent in death were unidentified by their comrades, and now are reported as "missing" by the War Department, and of necessity buried beneath white crosses on which no name could be written. A few, nobody knows just how many, but not enough appreciably to raise the ratio of the unidentified dead, were in such immediate contact with high explosives at the moment when terrific energies were released that they could not be buried at all.

Identification was usually possible in the late war because each soldier was tagged with a metal disk bearing his Regimental and Company number.

Construction of highways to the total value of \$76,400,000, covering 6,261 miles and employing more than 150,000 workers, is about to be undertaken by 30 States, as the direct result of the recent passage of the Federal Highway Act. This was recommended by the President's Conference on Unemployment as an emergency measure to provide jobs for the nation's unemployed.