### - Farm Report

By Dr. J.W. Pou

Dean of the School of in mind," he said. **Agriculture and Life Sciences** few years will continue.

forefront," Legates said. Specifically, he predicted that:

\*Farms, particularly in the Southeast, will continue to become fewer and larger.

\*Enterprises will become sive as new energy-sparing technology emerges. \*Capital investment per

farm will continue to rise and sound financial management will be essential.

\*Enlargement and concentration of individual livestock and poultry enterprises will continue to make waste disposal a critical concern. \*Integrated pest manage-

ment programs will become necessary to reduce costs and chemical usage.

\*Land and water management will have to be carried out with renewed vigor. \*External pressures beyond

pact on farming. There is a bright future for

agriculture during the rest of the '80's," Legates said. "The number of people in the Unites States and the world needing food and fiber continues to increase."

The agricultural educator said world food supply currently depends predominantly on our four species of plants and three animal species. The plants are corn, wheat, rice and soybeans. The animals are cattle, swine and poultry. "Science and technology

must be directed to enhance the output of these species by placing advanced information in the hands of farmers," Legates said. solfie douse ing this G A century ago, according to U.S. Department of Agriculture estimates, labor accounted for 62 per cent of inputs used in American agriculture, and land and capital accounted for 19 per

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cent each. Today, USDA estimates, capital accounts for 62 per cent of inputs, real estate 22 per cent, and labor only 16 per

had an unfavorable impact on What's ahead for farm production levels and agriculture over the next profits. "We need to protect the environment, but regula-There's no crystal ball tions must be reasonable and available to provide the must be drafted and enforced answer. But Dr. J.E. Legates, with the needs of agriculture

Efficiency in agriculture at North Carolina State will become increasingly im-University, believes most of portant in the years ahead, the trends evident in the past Legates said. He added that America can continue to feed "Four E's-Exports, its own people and millions Energy, Efficiency and the abroad only by giving strong Environment-will be in the support to agricultural research and education so that needed technologies can be developed and applied.

#### Lawrence Defeats Ridgecroft

The Lawrence Academy more specialized and inten- Varsity Boys had a .500 week as they beat conference rival **Ridgecroft School on Tuesday** 64-58 and then had a disappointing 59-55 loss to Hobgood on Friday.

The game with Ridgecroft started slowly for the Warriors as they were out scored 20-14 in the first quarter. However the second quarter was just the opposite. The Warriors not only outscored the Rams but also began to get the Ridgecroft team in deep fouls. The third quarter saw the Warrior lead jump to 51-40. Six Lawrence boys scored in that period. The fourth period was a dogfight the agricultural community as the Warriors went 3-10 will have an increasing im-from the line allowing Ridgecroft to close the gap. The Warriors managed to hold on at the end as they broke the Ridgecroft press for a couple of easy baskets and came away with the 64-58 win. The Warrior scoring was lead by Mark Oliver's 17 points. He was followed in the scoring by Jason Holton's 14 points, Brad Brown with 10, Kevin Copeland 8, Jon Powell 7, Jeff Powell 6, and Tony Dail 2. Jeff Futrell lead Ridgecroft with 19 points. The win leaves Lawrence in first place in the Tarheel Independent Conference with a record of 5-1. On Friday, the Warriors traveled to Hobgood and dominated most of the first three quarters of the game before falling 59-55. The story of the game is the same story that tells of many close games: the team that shoots the best from the foul line will win the game. This was cer-

tainly the case Friday as the Raiders hit 13 of 19 for the game and 6 for 6 the fourth quarter while the Warriors hit only 7-16 and 2 of 6 in the fourth quarter. The Lawrence team had gone into the fourth quarter with an eight point lead, 45-37. However the foul shooting and outside shooting of Hobgood allowed them to out score Lawrence 22-10 over the last eight minutes and win the game 59-55. The scoring for Lawrence was Mark Oliver 16, Jason Holton 11, Jon Powell 9, Kevin Copeland 7, Brad Brown 6, Jeff Powell 4, and Tony Dail 2. The Hobgood team was lead by Ron Faithful's 14 points. The loss left the Warriors with a 10-9 overall record. In J.V. action for the week the Warriors had an 0-2 week as they fell behind Ridgecroft on Tuesday by a score of 25-9 after the first quarter before losing 57-45. Friday's game was much tighter as the Hobgood and Lawrence teams battled to a 29-29 tie in regulation before falling 35-31 after the overtime period. The loss to Ridgecroft leaves the J.V. Warriors at 3-3 in the conference. Summer Jobs CHAPEL HILL-Regional auditions for summer jobs in 12 of the nation's largest outdoor historical dramas will be held by the Institute of Outdoor Drama at the University of North Carolina at Chapel Hill on March 26. Two of North Carolina's indoor summer companies, the N.C. Shakespeare Festival in High Point and the East Carolina Summer Theatre in Greenville, also will audition singers, actors and dancers at the same time. The outdoor dramas typically offer employment for three weeks of rehearsals and an eight- to 10-week season. Some also offer additional productions, such as new plays or children's

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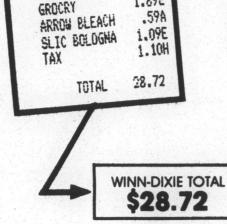
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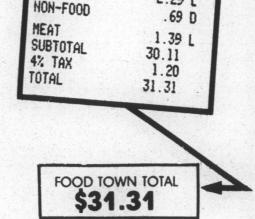
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The application of "science power" to farming has increased the need for capital, reduced the need for workers, and made it possible for only 3 per cent of the population to produce abundant supplies of food and fiber for domestic use and for export.

It has also enabled consumers in this country, he said, to enjoy the best, most varied and most plentiful food supply in the world at a reasonable cost amounting to less than 17 per cent of their disposable or after-tax personal income.

As for the four "E's" affecting agriculture's future, Legates said: "Energy will permeate every decision we make in agriculture.

"Our greatest potential for reducing the almost total dependence of N.C. agriculture on petroleumbased fuel rests with wood and solar energy."

He said the equivalent of 150 million gallons of fuel oil is now required to cure the Auditions For state's flue-cured tobacco crop. But this need exists between June and September, which coincides with the highest level of solar

radiation. "We should be able to capitalize on this potential for solar drying during the 1980s," he said. "Meanwhile we must continue to develop and apply energy-efficient techno

Exports are important, the NCSU official said, because the output from 30 per cent or more of U.\$. tilled copland is shipped abroad. If foreign markets were lost, he said, American agriculture would have to undergo a drastic cut-back and it would lose much of its efficiency.

**Environmental regulations** put into effect during and nce 1970 have in many cases

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