

Text Of Cavenaugh's Address

The following is the text of Aubrey L. Cavenaugh's speech to the Cape Fear Engineers Club in Kenansville last week. Mr. Cavenaugh, member of the State Dept. of Conservation and Development spoke before nearly 50 engineers of this area.

I appreciate very much the honor you have given me in inviting me to talk to you tonight.

I want to talk to you about a subject that is vital to all of us and to all of our countrymen; I want to talk to you about Duplin County and south eastern North Carolina.

Having been invited to talk to an engineering club it is the utmost importance that I know what an engineer is. When I was a small boy in my mind there was only one kind of an engineer. He pulled the throttle on a locomotive and for many years my definition of an engineer was just that. I don't believe that many of you, if any, will qualify as an engineer of that kind, and so yearning for an expert definition I went to our friend Webster for his opinion. He tells me that an engineer is first, a designer or construction of engines, second, one of a corps of men who inform engineering work—as in building forts, bridges etc.

Third, one versed in or follows as a calling any branch of engineering.

Fourth, one who operates an engine.

Fifth, one who skillfully manages or comes through with some enterprise.

I believe that number 2 and 3 fit you gentlemen more than the others, but I would like to add Number 5 to our thinking for tonight.

An engineer of any kind has to have vision to successfully conduct his vocation. He must be going somewhere because he wants to go there; he must have an ideal in mind and that ideal must permeate

his every action and thought. These things apply to your present work in the greatest possible degree. It is necessary that you have a mental picture of your completed job. You must see in your mind's eye a beautiful and wide highway, with farmers, doctors, school children, mail carriers and all types and kinds of business representatives using these roads for the benefit of their individual businesses. You must visualize these people using these roads in a happy, contented frame of mind. Behind all this you want to know that the fruits of your labors mean greater happiness, richer and more prosperous living to those folks who use your roads. From every indication, I believe that you have done your work as to Webster's two and three definitions in a fine and creditable way. What about the fifth definition given us as defining an engineer. "One who skillfully manages or comes through with some enterprise." A part that not only you, but all of us can play such an important role in. There still remains much to be done in this whole southeastern area. Much that you can do and much that I can do, in fact it is a job for every individual in our country. It will take courage and nerve to follow through on the things that we should do. But we should remember that things worth while do not come without extra effort on someone's part.

It took courage and nerve together with a far sighted vision for our governor to launch his road, school, welfare and other public benefit programs of the state. But he had that idea and that ideal. He visioned happiness, contentment and prosperity for his fellow citizens of North Carolina. He struck out on an uncharted road. Opposition was rampant. Jealousy and Envy created tremendous opposition. But today, three years after he started his program, we see the wisdom of

his courageous actions and those of us who followed his line of thinking all through those dark days have reasons to be proud and happy that we upheld his hands. He has started a work that will go down in history and brand him as one of the greatest. If not the greatest governors that North Carolina has ever had. What he has done has been done with great handicaps. What would have been if every one had joined with him in helping him instead of trying to hinder? I leave you to answer that question. Bringing our discussion to a county district level. With the many improvements that have come to us from a state level, we are now in a most favorable position to continue this great work on a county level, bringing more benefits, more happiness, more riches to our people.

Duplin County and Southeastern North Carolina is predominantly agricultural. Consequently our thinking should be along the lines of solving the farmer's problems. In the olden days the farmer lived on his farm and used the products of his labors for his living. It took him and nine more fellow farmers to feed themselves and one non-farming family. Today one farmer can feed himself and family plus nine more non-farming families. This trend has been in evidence for several years and is occasioned by greatly improved methods of farming plus mechanical labor, so now the farm income in our county has to be divided into 100 many shares, which means that our income per capita is low or around \$500.00. It further means that these young boys and girls on our farms will be seeking other locations to live in and to help build up. It means that Duplin County and other agricultural counties will be denied the brains and abilities of so many of our young men and women. When we realize that the fathers and mothers of our county spend an average of \$20,000 each on their children's education from the first grade through college, we can begin to realize the dollar loss to us when these same boys and girls leave us to go into other locales.

So don't you think it behooves us to do some tall thinking about improving the economic condition of our people?

There is much to be done and all of us qualify as engineers under definition 5 to promote a better and happier state.

One of the first things that should enter our minds is a plan to put to work thousands of our people, giving them honest and desired work to supplement the income from their fathers farms.

At this time, thousands of different towns and counties of the south are bidding against each other for factories. North Carolina with her 100 counties is in the midst of this bidding. Competition is keen and the water is cold. But when we look about us and see what we have to offer, we even surprise ourselves at the many things that are very highly attractive to prospectives. The only thing about it is, these prospectives doubt

not know about it and it is to us that we should offer.

Along with our thinking of making jobs through industry for our surplus labor, we must also think about our farmers and their problems. There are many things that we can do for them that will make life easier and more profitable. One thing that comes to my mind most frequently is the drainage of North East River. That river is so filled up with sand bars and debris that high water overflows the low lands of our county and encroaches on the higher lands to the extent that the drainage of the highlands is a definite problem.

The Chamber of Commerce of Winston Salem realizes the importance of the farmer. They have an agricultural department along with their industrial department, forever making plans and studying the problems of the farmer. This department is headed by Mr. Neil Bolton, who once was agricultural agent for the Tide Water Power Co. If Winston Salem, with its highly industrialized section considers agriculture a dominating factor in their economic life, don't you think that we, in a most pure agricultural section should show more interest and concern over the farmer? That is exactly what a group of the leaders of Duplin County are now doing. The Duplin Industrial and Agricultural Council has been organized for the one purpose. We are endeavoring to instill a sufficient interest in the leader and business men of our county to make plans and execute those plans whereby a greater income may be possible for all especially those of low income brackets. We feel that now is the most ideal time that we have ever had. We have the blessings of all state departments; we can draw help from them that will enable us to emerge from our lethargy and place us in a comparative position with other more prosperous counties. This council has the opportunity to remake Duplin County. The men that are behind it are some of the most prominent citizens of the county, but they need more help, more backing and more encouragement. The Duplin Council will succeed. How fast they go forward depends on how much support they receive from the masses. The men behind this council realize that they have a hard job. In addition to trying to move forward, they are coming in contact with the self satisfied man, the jealous man, and the envious man. There are men in our county, believe it or not, that are getting along nicely and in so doing they are doing nothing to help improve Duplin's economic condition. They are jealous of their positions and are afraid if their neighbors improve his position, then their star will fade.

Gentlemen it is our responsibility to help our neighbor. Help him help himself. In doing this instead of our star fading, we will have an inner consciousness that is brighter and more brilliant than we have ever had, to say nothing about an increase in our own financial standing. If we answer our responsibility all of us will grow among ourselves and also into the eyes of our state. Let us take our responsibility, then we have committed a crime against humanity that brands us as jealous, invidious and self centered individuals.

Everything I have said can be said with equal emphasis to any county in North Carolina. Conditions cannot be changed for the better unless interest is manifested. With it work and plenty of it. There is no greater patriotic duty than to plan and do things for the public good.

So Gentlemen, in closing, let me repeat again that number 5 definition of an engineer, is, one who with some enterprise, may I impress upon you the importance of this individual and to you that ply your trade as either one of a corps of men who perform engineering work as in building forts, bridges, etc., or as one versed in our follows as a calling any branch of engineering, may I ask you to as a better citizen and as a neighbor, remember your fellow man together with his trials and problems, have half the cost of that produced from other

QUESTION: When should shrubs and seedlings be set out?
ANSWER: John H. Harris, extension horticultural specialist at State College, says any time between now and the last of March is a good time to do transplanting. Pick out a day when the soil isn't too wet. If your plants arrive when the soil is wet or frozen, keep them outdoors, open the package and pile soil, sawdust, or sand around the roots and keep this moist until they can be planted.

QUESTION: How much butterfat must a dairy cow produce each year to be profitable for her owner?
ANSWER: A summary of Dairy Herd Improvement Association records for 1930 shows that a dairy cow must be a high producer if she is to make money for her owner. The cow producing 200 pounds of butterfat for the year returned only \$126 above feed cost as compared to \$274 returned by the animal producing 300 pounds of butterfat. When production increased to 400 pounds, the return above feed cost jumped to \$391.

Dairy specialists at State College point out that this is an average increase of \$128 return over feed cost for each 100-pound increase in butterfat production.

"From this," say the specialists, "we may expect an increased return of more than \$1 for each pound of butterfat increase. By increasing the production of our cows we can increase our returns."

QUESTION: What is the outlook for dairy products in 1935?
ANSWER: Prices for dairy products are expected to be moderately to materially higher this year. There will be a further shift in a consumer demand for butter fluid milk, ice cream, and cheese.

From January through September last year, North Carolina imported nearly 14 million pounds of milk for bottling sales. The shortage of milk for manufacturing purposes was even greater.

To help Tar Heel dairymen obtain maximum returns, specialists of the State College Extension Service make these suggestions:

1. Increase milk production by using high quality roughage and better pastures can provide extra nutrients at about half the cost of that produced from other

feeds.

2. Cut costs by culling out low-producing cows while beef prices are high and feed scarce because of the 1934 drought.
3. Breed as many heifers and cows as practical during the November-January period to make milk production more uniform throughout the year.
4. Use bulls for high production. This can be done at small expense through the artificial breeding program.
5. Keep milk quality high by following the practices of good sanitation. Maintain herd health through efficient management. But only disease-free cattle.

New Snapbean Seed Are Now Available

Seed of the new, highly productive Wade snapbean variety are now available in quantity from most seedmen in North Carolina, according to H. M. Covington, horticultural specialist for the State College Extension Service.

The variety is recommended in North Carolina for use by home gardeners and for trial plantings on a commercial scale.

The U. S. Department of Agriculture, which released the new snapbean recently, describe it as "outstanding in productiveness and appearance." It matures 54 days after planting and bears over a long season, a characteristic that appeals to home gardeners.

Other favorable characteristics include resistance to major bean diseases, superior quality, low fiber content, and ability to ship well and to retain freshness.

The nearly round pods of the Wade snapbean are dark green and the color remains through blanching. This makes the variety suitable for U. S. fancy frozen pack. Seed are the color of port wine. Pods are stringless. After harvest the new bean does not wilt nearly so rapidly as the other commercial varieties.

The variety has been widely tested by USDA's Vegetable Breeding Laboratory in cooperation with agricultural experiment stations of the Southern states and with commercial producers and seedsmen.

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Extension Issues Tobacco Circulars

The State College Extension Service announces publication of two new circulars on tobacco plant production, one on burley and the other on flue-cured.

The circulars, prepared by Tobacco Specialists R. R. Bennett and S. N. Hawks with the assistance of Entomologist T. M. Dobrovsky and Plant Pathologist H. R. Garrison, cover such topics as location of plant bed, water supply, weed control, fertilization, covering the bed, and control of insects, blue mold, and wildfire.

Bennett and Hawks suggest that growers seed sufficient yardage to insure a plentiful supply of strong plants, avoid over-fertilizing, apply water when needed, protect the plant bed from flooding by ditching around the edges, and follow recommended practices for control of diseases and insects.

The plant introduction guide for flue-cured tobacco is issued as Extension Circular No. 363, and the

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