

# George Cowan Family Leads Duplin Farm Families In Farm Income Contest

The George Cowan family of the Cedar Fork Community has been declared Duplin County's winner of the News and Observer Farm Income Contest. Mr. Cowan farms 35 acres of land but like most of the farmers of the county his tobacco allotment has been cut to the extent that he felt that he needed new sources of income to continue to make a good living farming. Mr. and Mrs. Cowan, along with the three of their children who are still at home, decided to see how much they could increase their income in 1957. They even inspired themselves. The Cowans added some new enterprises as well as trying to improve their old ones.

## Notes From Our County Agent

By V. F. REYNOLDS

**2, 4-D, Nitrogen Solutions and Small Grains**  
Within the last few years North Carolina farmers had made available to them nonpressure nitrogen solutions containing nitrogen as ammonium nitrate or as combinations of ammonium nitrate urea. These solutions, when first used, were simply dribbled on small grain at topdressing time. Within the past year or two there has been an attempt to utilize this solution not only as a topdressing material but as a liquid carrier for 2,4-D. As such through a spraying operation the small grain could be topdressed and the weeds controlled in one trip over the field. The following information serves as a progress report for both research and field observations on the use of 2,4-D in nitrogen solutions for small grain.

**NITROGEN RESPONSE.** Available information indicates that there is no difference between a nonpressure water solution of ammonium nitrate or a combination of ammonium nitrate and urea and the conventional solids as sources of available nitrogen for small grain.

**WEED CONTROL.** The use of amine salts of 2,4-D acid is recommended for the control of susceptible weeds in small grain. The winter annual weeds involved are generally highly susceptible to 2,4-D and are readily killed by the ordinary solutions of 2,4-D in water. A minimum of foliage burn generally occurs from such a treatment. The commercial formulations of 2,4-D contain a reasonable quantity of wetting agent or spreader sticker in order that the water solutions do a better job of adhering to plant leaves. The 2,4-D in its reaction as a weed killer passes into the leaf and moves through the living layers of plant. Rains which might remove the material from the plant leaves, or severe freezes or other injury which might kill the plant leaves, will upset this reaction.

**COMBINATION APPLICATIONS.** Mixing water solutions of ammonium nitrate or ammonium nitrate urea with 2,4-D involves certain points which should be understood in order that desirable results be obtained. 1. When mixing these solutions with 2,4-D it is necessary to use some form of 2,4-D other than amine salts. Low volatile esters are generally suggested. 2. The agent or spreader sticker materials in the 2,4-D also cause the solution nitrogen to stick or adhere to small grain leaves. The nitrogen solution (Continued On Back)

**Improved Farm and Home Management.** Included here are the many little things that contribute to a better overall farm management program and really show whether a family is a good progressive farm family — kept farm records, worked better financial arrangement to offset time prices, reduced light bill by installing 100 amp. box on central located pole, upholstered inter-communication system between home and chicken and pack barn to make more efficient use of family labor and time, built manure spreader to more efficiently use broiler house manure, wired pack barn for electricity, made pictures for reference on improvements, improved home surroundings by moving old buildings and planting grass at intersection in front of house, applied manure

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E. WALKER STEVENS, JR.

**son of Mr. and Mrs. E. Walker Stevens, Sr., of Warsaw, won the coveted Morehead Scholarship at the University of North Carolina, Chapel Hill, last week. Young Stevens won this honor on his own merits. Principal Harmon of James Kenan High said the questionnaire forms he filled out for Stevens were rather tough but he measured up perfectly on every question. He met every scholarship requirement. Stevens leads the senior class in marks this year so far and will probably be valedictorian.**

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## Briefs

**James Kenan Booster Club Meet**  
There will be a meeting of the James Kenan Boosters club in the grammar school lunch room tonight at 8: p.m. This will be the second organizational meeting. Everyone interested in athletics at James Kenan are urged to attend.

**Home Damaged By Fire**  
The home of Patrolman Wray near Warsaw was damaged by fire last Friday. Mrs. Wray was away from home. The Patrolman was taking a bath. Mrs. Wray had left a frying pan with grease in it on the stove. The fire started from the pan. Wray managed to put it out before calling the fire department. The kitchen walls and ceiling were burned and there was smoke damage throughout the house. Estimated damage was about \$500.

**Warrants Withdrawn**  
Warrants were issued Monday by Gordon Muldrow of Beulaville against J. C. Cavanaugh and Gordon Mobley. According to Sheriff's officers Mobley entered the store of Cavanaugh at Lyman Sunday night and soon an argument between he and Mobley ensued. They went out of the store and across the road, after Mobley ordered Cavanaugh forms he filled out for Stevens were rather tough but he measured up perfectly on every question. He met every scholarship requirement. Stevens leads the senior class in marks this year so far and will probably be valedictorian.

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# Research At Coastal Plain Begins Soon With Planting



WAIT, ASK YOURSELF - Is it safe? Many of the rural water supplies in Eastern North Carolina do not meet the minimum requirements for an approved water supply according to standards of the State Board of Health. Here pretty Miss Lillian Sutton may be making a pause before taking a drink of spring water which may be polluted. Think before you drink. (Photo By Paul Barwick.)

**Ground breaking has been completed and planting is to begin soon at the Coastal Plain Vegetable Research Station near Faison.**  
Bill Reid, farm superintendent, said today that several experiments which have been in progress at the Station for several years will be continued along with some new experiments.  
Breeding line work to be continued are with cucumbers, Irish potatoes, sweet potatoes, hot and sweet peppers and tomatoes. Some experiments are conducted with strawberries, blueberries and dewberries. This latter work with fruits is not extensive.  
Variety testing programs will be conducted with sweet corn, snap beans, field peas, sweet and hot pepper and Italian type pepper. Reid points out that this work is to determine from various varieties of certain crops such important factors as yields, adaptation to the area for growth, and disease control and resistance.  
In the field of soil fertility work, considerable emphasis is being placed. This is not done with particular brands of fertilizer but rather with various combinations of ingredients of elements which are used for plant food mixtures.  
The soil fertility work is to be conducted from the plant bed to the field.  
Research with plant beds is becoming increasingly more important. Reid says. He points out that use of plastic covers for plant beds present different problems in production of plants in relation to watering, airing and disease. In the past, glass was used for covers of plant beds. Plastic covers are air tight and as a result more problems are becoming more prevalent every year.  
In the Duplin-Sampson area, plant beds are very important in

regards to vegetables, especially peppers and egg plants.  
Insect problems are studied every year. Reid says the importance is seen through the fact that some insecticides which are placed on the market get good results so far as insect control is concerned, but it may be harmful to the human body. When such an insecticide is found, it is not recommended. There are many new products which are placed on the market annually and all which are used on vegetables are tested to prove effectiveness.  
Plant disease experiments and studies are very important and more are planned this year at the Coastal Plain Vegetable Research Station. New and better ways to control diseases in vegetables are always being sought.  
These studies of plant diseases are being conducted from the plant bed to the field, and even in transportation of the product to market.  
Feld points this out by the fact that last year a scientist followed (traced) with a load of pickling cucumbers to Michigan to determine the disease, if any, that would effect the pickling cucumber from the market to the receiving point.  
In other words, after the cucumbers arrived in Michigan, each package was checked to see what the condition of the cucumber was. If it was rotten, it was checked to see which organism was responsible for the breakdown in transit.  
Over the past few years, experiments in irrigation have proven the value of irrigation on farms where the operation is being enough to support irrigation.  
The Coastal Plain Vegetable Research Station consist of 45 acres, 38 of which are under cultivation for the purpose of testing various crops in varied conditions.

## Is Your Rural Supply As Safe As You Would Like?

Water is one gift of nature which cannot get along without. However, that same water, under certain conditions, can mean death and sorrow.

In a bulletin released by the North Carolina State Board of Health it suggests that rural water supplies do not come up to the standards of water safety that they should. Even though most urban water supplies are ample to fill the needs and receive treatment to make them meet the standards of safety, they serve a relatively small part of our population as about two-thirds of the people in North Carolina live in rural areas," the bulletin says.

Since pollution of water by organic matter of animal or plant origin is always prevalent in rural areas of North Carolina, particular caution should be taken to see that water supplies are approved.

The bulletin further states: "The water that goes into the formation of surface streams and lakes not only retains much of this matter but also takes up large amounts of inorganic substances in solution of suspension. Subsurface water in seeping through the pollution. This is not always the case, however, as in some instances water does not penetrate to a sufficient depth to afford the required filtration and in others it passes through loose, coarse gravel or fissures. The distance disease germs will penetrate the soil vertically depends on several factors including the rainfall, extent of pollution and porosity of the soil. In fairly tight soil without crevices pollution could extend to a depth of 10 feet with a combination of favorable conditions."

"Typhoid and dysentery bacteria have been known to remain alive for 70 days in moist soil and for much longer periods in water. All

## Corn Acreage Increase Likely For Use As Feed As Livestock Farming In Area

Considerable interest has been shown in the production of corn by Eastern North Carolina in recent months.  
Joe Koonce, Jr., County Farm Agent, points out that emphasis seems to be on white corn because of the current higher price being paid for white corn.  
One of the major factors in increased corn acreage is the demand for more grain for broilers, beef and swine production in Eastern North Carolina during the past two years.  
Several factors are important to consider, according to Koonce, in order to prevent eventual pitfalls.  
Farmers are urged to consider the following items carefully before planting their corn this year.  
(1) Since white corn prices are currently running much higher than yellow corn, many farmers are planning to plant white corn. If a large number of farmers switch to white corn, the price next fall will likely be below yellow corn. More than 90% of the total corn market prefers yellow corn. Therefore, when the demand for white corn is filled, white corn prices usually drop below yellow corn. Another consideration is that if white and yellow corn are planted too close together in the field, mixing will take place and mixed corn is usually discounted. All farmers are urged to carefully consider the white vs. yellow corn problem before deciding which one to plant.  
(2) Short season corns apparently are becoming more popular. Since the quality of short season corn is not as good as the full season corns, it is very important for a grower to be in a position to harvest those short season corns as they become ready. A delay in harvesting generally means a lower quality corn. Also, according to the official variety tests, the yield of short season corns is less than one of the better full season hybrids. Therefore, it will be necessary for a grower to market short season corn in such a way as to get enough premium to offset any loss in yield.  
(3) It is becoming increasingly important that if farmers are to get the maximum income from corn, they must find ways and means of storing part or all the crop in order to avoid the selling of the crop at harvest time when prices are at the lowest level. Indications are that more interest will be shown in the storage of corn on the farm.

## Uncle Pete From Chittlin Switch

**DEAR MISTIE EDITOR:**  
Well, from what I read in the papers this week things is moving along in this ditty world. And it gits dizzier all the time. Fer instance, I see where they had a lawsuit up in Boston and the court ruled that a woman on roller skates was a vehicle. I think the judge was correct, and if she was wearing skates I think it would be legal to hold her for being a unguided missile. Wimmen is bad enough behind a steering wheel, but when they get on roller skates in a crowded street the only safe place for miles around would be up on the house-top.  
I wasn't surprised to see where Ingrid Bergman's marriage went on the rocks. Them kind of marriages seldom last longer than it takes a farmer to fill his hayrack with fodder.  
I been aiming fer quite a spell to write a column on marriage, but my old lady has got so she looks over this paper and I didn't know if it was safe or not. She's gone to Ball's Creek to visit her sister this week and so I'm going to risk it.  
As a general rule there's two sides to most all questions, and that holds good for marriage. The side that gits disgusting is the one where these folks in the entertainment field rotate their mates like us farmers rotate our crops.  
Fer instance, I was reading in the paper the other day about this fellow in Hollywood taking on his

seventh wife. The piece said they went to the license bureau with the girl wearing a bathing suit. I reckon she just barely got there from her last wedding in time to get a license for her new one.  
Just between you and me, Mister Editor, I don't see no need in a fellow getting a license for marrying after about the fourth time. I agree with some fellow that wrote not long ago that after a man has partaken of "holy" wedlock about four times and ain't got cured or killed, one or the other, the law ought to let him take his wives where he finds 'em, without benefit of clergy or legal proceedings. He has done proved that these two items ain't no benefit to him anyhow.  
On the other hand I don't think a man or woman ought to stay hitched together if they can't pull together. Even once in a while, when me and my old lady gits to squabbling, I think the price on a good divorce ought to be put down where a pore man could afford one. But any man or woman that gits married five or six times ain't never got married fer keeps in the first place. They was just using the preacher to make it look legal.  
Well, Mister Editor, if you don't git no column from me next week you'll know that somebody over at Ball's Creek was passing this paper around Mighty careless like.  
Yours truly  
Uncle Pete

## Methodist To Hold Revivals March 16-23; Local Charge Be At Magnolia

Simultaneous revivals will be held in most of the churches of the Goldsboro District March 16-23, according to an announcement by Rev. H. M. McLamb, district superintendent.  
Evangelists for the churches of this area include: Duplin Charge, Rev. W. E. Howard of Carthage, to be held at Magnolia; Charity, Rev. Leon Ross of Roper; Wallace, Rev. A. F. McClung, pastor; Rose Hill, Rev. L. L. Parrish of Roanoke Rapids; Pink Hill, Rev. H. B. Johnson of Siler City; Warsaw, Rev. C. H. Dunn of Clayton; Turkey, Rev. R. A. McLean of Kiltrell; Faison, Rev. A. M. Cameron of Englehard; Sarecta, Robert Rose of Goldsboro, lay leader of the Goldsboro sub-district.  
Services will be held at 7:30 p.m. daily. The public has been cordially invited.

The services are a part of the conference-wide plan of simultaneous revivals. During March 16-23 services will be held in the churches of the Goldsboro, New Bern, Fayetteville and Wilmington districts. Services are in progress this week in the Durham, Raleigh, Rocky Mount and Elizabeth City districts. Preachers exchange their services in the revivals of the two periods.

National Visitation Evangelism Week was observed by most of the churches March 2-9. Church members paired off to visit prospective members in their homes and invite them to join the church during the Lenten season. A large ingathering of new members is expected in the various churches by Easter, April 8, the Rev. Mr. McLamb said.

**District 14 Nurses Association Meets**  
District No. 14 of the North Carolina State Nurses' Association met at the Main Post Officers' Club, Ft. Bragg, on Tuesday, March 11. Mrs. Edith Brooker, Assistant Superintendent of Nurses at Duke Hospital, Durham, and former President of N. C. Nurses Association reported on the Congress of the International Council of Nurses recently held in Italy.  
Capt. Howard of Ft. Bragg Army Hospital demonstrated the utilization of moulages in training personnel in disaster planning.

**Sally Jo Kennedy on Dean's List**  
Miss Sally Jo Kennedy, daughter of Mrs. Christine Kennedy of Beulaville was among the freshmen at East Carolina College on the Dean's list for the Winter quarter which requires a grade average of 90 to 95.

## Warsaw Pastor To Head Red Cross Drive In Town

The Reverend Gordon W. Hart, Pastor of the First Original Free Will Baptist Church in Warsaw, has been chosen Warsaw City Chairman for the 1958 Red Cross Campaign.  
Mr. Hart born and reared on a farm near Ayden, N. C., is the son of Mr. and Mrs. Hubert Hart of Ayden. While attending Ayden High School, Mr. Hart was President of the H-Y Organization and an active participant in all sports. After graduating from AHS, Mr. Hart attended the Free Will Baptist Bible College in Nashville, Tennessee, for 3 1/2 years, where he was a member of the John Bunyan Literary Society and active in college sports. He was married to the former Miss Eleanor Trice Prude of Tupelo, Mississippi, on August 11, 1957. He assumed his first pastoral duties, here in Warsaw, on September 1, 1957.  
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## Chas. R. Gavin Post, American Legion To Have Birthday Party On March 21st

Warsaw Legionnaires are planning a gay celebration of the 39th anniversary of the birth of The American Legion, which occurs March 15 to 17.  
A birthday party has been scheduled by Charles R. Gavin Post No. 127 of The American Legion of Warsaw for the night of March 21, at 8:00 according to Woodrow Blackburn, post commander. All members of Post 127 are asked to attend.  
The local event will be part of a coast-to-coast chain of Post celebrations. The American Legion has 17,000 posts, most of which are making elaborate plans for celebrating the organization's 1958 birthday.  
The American Legion was founded at a caucus of delegates from the 1st AEF in Paris, France, March 15 to 17, 1919, according to Com-

## Carolina Telephone Co. Files Petition For Rate Increase To Be Adjusted Again

Carolina Telephone and Telegraph Company filed with the North Carolina Utilities Commission on March 6 requesting the Commission to authorize and approve the rates as established by the Company under bond on bills dated November 25, 1957 and thereafter, to relieve the company of the present bond, to determine the fair rate of return on the fair value of the property, and to establish such additional rates and charges as may be applicable for the future.  
The petition states that in fulfilling its obligations to provide adequate telephone service in the area it serves, the company's total telephone plant investment has increased from 37-1/2 million dollars at the end of October 1952 (investment date for last rate proceeding) to over 70 million dollars at the end of December 1957 — an increase of over 41 million dollars. During the same period the number of telephones increased from 105,483 to 153,279. The total telephone plant added per telephone gained since the last rate proceeding is \$70. This cost per telephoned gain reflects the increases in costs of material and labor during the period as well as the additional investment re-

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