cience for You



PROBLEM: Air pressure and weight.

NEEDED: A stick with holes, a balloon, string, a paper cup, salt and a pin.

DO THIS: Tie a string near the middle of the stick to make a handle. Tie the cup to one end of the stick, and a large balloon on the other. Add salt to the cup until the cup and balloon are balanced.

Let motion of the apparatus stop, then break the balloon by sticking the pin in the bottom of it. The cup with salt is now heavier. (If pieces of the balloon fall to the floor, put them back on the string so the loss of weight cannot be attributed to loss of rubber.)

HERE'S WHY: This experiment does not "prove that air has weight, of course, but the air outside of it has weight too, and tends to buoy it up. If the pressure inside the balloon could be exactly that of the air outside of it, there would be no difference after the balloon is punctured. What this does prove is that the "compressed" air inside the inflated balloon is heavier than the air outside the balloon, which has less pressure.

This special "Science For You" feature is sponsored by Olin Corporation at Pisgah Forest in co-operation with The Transylvania Times.

Transylvania County ASCS News

cultural Stabilization and Con- said.

He cited specifically a 300 per cent per man-hour productivity increase for Agriculture in the last 20 years, comparing it with the 150 per cent increase recorded by other American in-

Mr. Carter said, "We should recognize that this national salute to Agriculture is a salute to North Carolina farmers as well as those in the other 49 states.

"In our farm program agention and Conservation Service, course, most interested in the productivity." crops under the set-aside farm programs, corn, grain sorghum, wheat, and cotton; those under marketing quota programs, tobacco and peanuts; plus crops which are eligible for the loan, oats, and rye.

and kinds of crops which were and Urban Development George imposed in previous years have W. Romney, and other Governbeen removed, as was noted by ment leaders. President Nixon recently in a national speech on Agriculture," Mr. Carter said.

North Carolina farmers help- capitalize on new opportunities ed earn national recognition in and can compete successfully President Nixon's recent White whenever they have the chance House Salute to Agriculture, ac. to compete. Mr. Nixon said he cording to H. O. Carter, State is determined to see that Agri-Executive Director for the Agri- culture has that chance," he ed in the early summer include:

President Nixon told the Sa-The President, in a unique lute to Agriculture audience: tribute to agricultural achieve- "It is a rule in a free society ment, said, "Thanks to Ameri- that whoever produces more can Agriculture for making us should be compensated for the best fed, the best clothed more. The income per capita of people in America; thanks to those who live on America's American Agriculture for pro- farms has gone up in the last viding the basic industry that 20 years. But in terms of sharis essential for any nation to be ing in this increased produc- Rose, Spirea, and Weigelia tivity, those who live on America's farms, those who produce from America's farms, have not had the rewards from increasing productivity that their colleagues who work in American is from October through Februindustry have had for their in- ary. crease in productivity.

"It is that problem that we have been addressing ourselves of course, we need cooperation among all branches of Governcy, the Agricultural Stabiliza- munity, to see that America's University is to spray 2-4D here in North Carolina is, of of a dramatically increasing may need to continue this for

The focus on farming which control. was initiated May 2 with comments on Agriculture by the President, broadcast tivities of the White House Sa- with Vorlex as a drench under principally soybeans, barley, lute to Agriculture on Friday, plastic, and that is not a guar-May 7. A representative group enteed control. "Some 93,461 farms in North of farm leaders heard addresses Carolina are participating this by the President, Secretary of year in the new market-oriented Agriculture Clifford M. Hardin, set-aside farm programs. Some Attorney General John N. of the restraints on production Mitchell, Secretary of Housing

Foilowing these addresses and conferences with officials, the group was entertained at a dincluded modern farm machinery When you think of prescrip cluded modern farm machinery tions, think of VARNER'S. adv. and equipment, plus purebred livestock.

Hints From The

County Extension Chairman

By - JERRY PURSER

Proper Time To Root Cuttings Carolina will be held June 24

Cuttings that should be root-Athea, Boxwood, Buddleia (Butterfly Bush), Clematis. Crape Myrtle, Flowering almond and Flowering quince

Boxwood, Camellia, cent. Forsythia, Gardenia, Juniper, Mountain Laurel, Pyracanthia,

when they are in full bloom.

The best time to root Rhododendron and Mountain Laurel velopment.

Control Of Wild Chrysanthemum

Many home owners have askto. It is that problem in which, ed about the control of Mugwort (Wild Chrysanthemum) in lawns and gardens. According ment, the Administration, the to Extension Agronomy Special-Congress, and the farm com- ists at North Carolina State farmers receive their fair share three or four times a year. You two or three years. It is one of corn diseases: however, losses

wide, culminated in daylong ac- could be used unless they treat severity.

Note To Sheep Producers producers in Western North ease.

in Asheville, Major Corn Diseases

Each year corn production potential in North Carolina is reduced due to the effects of disease. There are a number Those cuttings that should be of diseases that attack corn, and rooted in late summer or early in some individual fields losses fall are as follows: Arborvitae, are often as high as 10 per

Diseases lower the value and quality of the grain and may increase harvesting costs when not only be an answer to a Dogwoods can be rooted affected plants lodge. All parts need of these former Germans of the plant may be attackedthe ears, leaves, stalks and also to give an opportunity to roots-at various stages of de-

> Corn leaf, ear and stalk diseases generally are favored by warm, wet weather. Seedling diseases are favored by cool, wet weather following planting. Pythium root rot is usually more severe in wet than in dry soils. Symptoms of nematode damage are more pronounced in dry, sandy soils.

There are no completely effective measures for controlling the hardest weeds we have to can be minimized by following As far as vegetable gardens, acquainted with disease prob- ters say. nation- there isn't any chemical that lems and factors affecting their

> list some of the major corn dis- well street, phone 883-3751. eases in Transvlvania County and list recommended method The Wool Pool for all sheep of corn control for each dis-

From The Broadcaster

New Constitution Adopted At BHS

Will Organize German Club In Transylvania

The German born citizens of Transylvania County have decided to form a club. feel it would be a good for Brevard and its neighbor- They are as follows: hood to have such a club

The aim of this club would to meet with each other, but any resident of Brevard to learn more about the cultural life as well as the customs of Germany.

A language study could be added. This might inspire other language groups to join together, either individually or unitedly with each other.

This club would certainly give Brevard an international flavor, and also it would have the benefit of uniting all the newly adopted citizens of the United States of America. It certain recommended practices, certainly would be one step The grower should become closer to peace, the promo-

Anyone interested in this new enterprise, please contact Beginning next week, we will Mrs. R. S. Berk, 335 N. Cald-

> When in need of job printing. call The Transylvania Times.

A new Constitution for the BHS student body was recently presented.

The purpose of the new Constitution is "to encourage the improvement of human relation and accordingly consider the dignity and value of the individual students within the

Article IV states the pro ceedings for the election of stud-They ent body officers and the rething uirements for holding office.

- .1 The President will be a rising senior. He will not serve as a class or club president during his tenure of office.
- 2. The Vice President will be a rising junior.
- 3. The Secretary will be any bonfide member of the student body the year of election other than senior.

Two weeks after student body officers are elected, nominations will be held for class officers. The names of all the candidates will be posted in homerooms for two days. After this each class will elect their officers. The elected officers may not run for office in the same grade but will be able to run in the next higher grade.

FOR SALE—1 ream Olin Waylite Paper (500 Sheets) ideal for second copies and Air Mail Letters. Special: \$1.00. The Transylvania Times.

ner at the White House with "The President told the Nation that American farmers President and Mrs. Nixon. have proven their ability to Throughout the day, an exhibit COUNTY COUNCIL on the White House lawn in-

Ca(NO₃)₂ is much more than a great fertilizer*

*Tests in Florida point to low soil calcium ratio as a fundamental cause of tomato blossom-end rot

Experiments¹ and soil analyses indicate that blossom-end rot can (most often) be expected to occur where soils have calcium ratios lower than 10 per cent

Many factors contribute to mechan-isms that lower calcium ratios and may cause blossom-end rot of tomato, a

cause blossom-end rot of tomato, a widespread and growing problem: excesses of total salt and specific nutrients, unfavorable moisture relationships, low pH, and rapid growth.

In a Univ. of Florida Gulf Coast Experiment Station study¹ these many factors were discussed. It noted that their work and reports of other investigators . indicated that deficiency of calcium is a fundamental cause of blossom-end rot. All of the factors frequently associated with . . . severity of (the problem) . . can be grouped into two major categories, according to the mechanism by which they adversely affect calcium uptake . . ."

These were cited as, "Mechanism A.—An excess of soluble ammoniums, magnesium, potassium or sodium salts or a deficiency of soluble calcium salts.

its also can cause a and frequently have ith blossom-end rot,

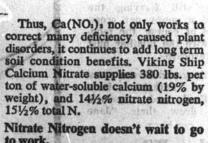
Blossom-end rot first becomes apparent as a water-soaked area on the blossom end of the fruit. Tissue breakdown usually develops rapidly, eventually resulting in blackened, dry, sunken, leathery spois.

Repeated ammonic applications can set the stage for problems.

When calcium is low or depleted,

oil particles tend to pack tog eaving little space for air or moi repeated application of ammonia erials intensifies this condition, en uging tight soil that blocks efficier tion and leaching of harmful salts.





Calcium Nitrate starts where organic and ammonic fertilizers eventually end up—nitrate nitrogen. This is the form most readily absorbed by plants. It is immediately available to plant roots without conversion delay or volatiliza-



Ca(NO₃)₃ is not trapped in layers, but moves quickly to





Transylvania County's 4-H Club Officers

[10] - 10 (10)	
President	David Holden
Vice President	Cheryl Hinkle
Secretary	Beth Burdette
Treasurer	Frank Summey
Reporter	Tommy Hooper

BREVARD 4-H CLUB

ASSESSMENT OF THE PARTY OF THE			
President	Debra	Russell	
Vice President	_ Butch	Hunter	
Secretary	Melissa		
Treasurer	Margie	Griffin	

BOYLESTON 4-H CLUB

President	Alan	Pangle
Vice President		Scroggs
Secretary	Ken	Scroggs
Treasurer	Steve	Scroggs

CHERRYFIELD 4-H CLUB

President	Frank S	Summey
Vice President	Tommy	Hooper
Secretary	Rhonda	Allison
Treasurer	Rhonda	Allison
Same with the control of the control of the		

CEDAR MOUNTAIN 4-H CLUB

President	Gene Blythe
Vice President	_ Rita Skerrett
Secretary	Mark Burdette
Treasurer	Mark Burdette

LAKE TOXAWAY 4-H CLUB

President	Debbie	Miller
Vice President	Martha	Owen
Secretary	Phyllis	Owen
Treasurer	Phyllis	Owen

SAPPHIRE-WHITEWATER 4-H

anda Hartnup
Terry Wilson
Gail McNeely
Larry White

SELICA 4-H CLUB

Asour Admirbolary Ser Boy

FINISHED and

Stronght Chairs and

President	David Holder
Vice President	Pat Owe
Secretary	Kathy McCo
Treasurer	Karen Nicholso

Transylvania County's 4-H Clubs

Are Sponsoring

A Movie

'The War Wagon'

Starring John Wayne And Kirk Douglas

MAY 19-22

At The

CO-ED THEATER

In Brevard

Buy a ticket from the 4-H members so they can achieve their goal of a 4-H Youth Activity Bus for the youth of Transylvania County. Tickets are available from the 4-H members.



Waters' Flore

THIS PUBLIC SERVICE MESSAGE IS CONTRIBUTED BY



CORPORATION PISGAH FOREST, N. C.