

How To Have Your Soil Tested

North Carolinians are making good use of the services offered by the Agronomic Division of the North Carolina Department of Agriculture. Formerly known as the soil testing division that is exactly what the agency does, along with several other services.

In essence, the division analyzes soil samples submitted primarily by farmers but also by homeowners golf courses, businesses and even the Department of Transportation to determine lime and fertilizer needs.

Through this scientific approach, the correct type and amount of fertilizer and lime can be applied to crops, gardens or lawns providing maximum results at minimum cost. Additionally, the environment is protected from over-fertilization. Too much can leak out of the soil and find its way into waterways promoting unwanted plant growth.

Plant analysis and nematode assay are relatively recent additions to the Agronomic Division. Plant analysis tests determine

whether a plant is absorbing and utilizing the proper nutrients.

Nematode assays offer information on the degree of nematode infestation and the best approach to ridding the soil of these microscopic worms that generally feed on the plant through its root system. Without control of these pests, a plant is stunted productivity is reduced and sometimes the plant dies.

For sample soil testing for fertilizer and lime requirements, the service is free to all North Carolina citizens. With plant analysis and nematode assay, there is a small fee.

Soon to be included in the soil sample examinations are tests for zinc and copper deficiencies.

Latest figures show that 28,000 citizens had their soils tested during the year. 148,000 samples were examined with 1,350,000 determinations made. This is a marked increase since the 1969-70 year when approximately 15,000 people had 77,700 soil tests run totalling to 700,000 determinations.

Five hundred citizens had 3,500 plants tested with 45,000 determinations made during the past year and nematode assays were run for 2,300 individuals. 11,500 samples were tested with 175,000 determinations.

Along with service to the people, education and research are prime activities of the Agronomic Division.

According to Dr. Donald W. Eaddy, division director, education takes the form of lab tours, formal talks across the state, news releases, TV and radio appearances and person-to-person grower consultation. This is conducted by headquarters and regional agronomists located in various parts in the state.

Last year 3,690 grower consultations were conducted along with 125 lab tours. Talks, releases and radio and TV shows totalled 107.

Regarding research, Eaddy said: "We have developed and published new methods for determining lime and copper requirements along with a new soil test extractant."

In addition, the division director noted that numerous papers on research had been published internationally and others were being readied for publication.

According to state Agriculture Commissioner Jim Graham, the NCDA's Agronomic Division is a model for the nation. We have the facilities, techniques and top personnel and we are going to render the best service possible.

As an indicator of the high professional competence of the Agronomic Division, it has been visited over the past 10 years by scientists from 42 countries, 14 states and has had requests from around the world for 234 research papers.

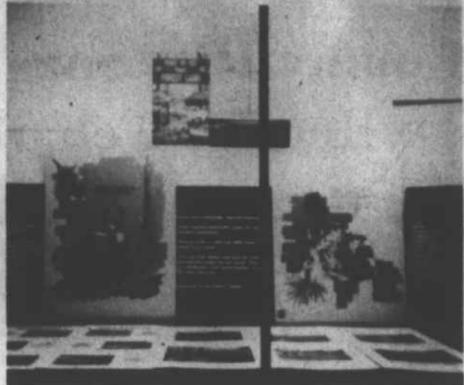
Graham and Eaddy jointly encourage North Carolina citizens to have their soils and plants tested. The best time is during dry weather, ideally in the fall, but anytime is far better than not testing at all.



Marshall Library Display

ANTIQUE TOOLS collected by Fred Ray are on display in the left library window. Most of the 45 tools shown were used in the 1800s. Included are seven augers (one a bung auger), a hay hook, tobacco knife, one-man saw, meat saw, sheep shears, hay knife, cross-cut saw, handmade hoe,

mattock, hatchet, hammer, corn sheller, 10 planes, a level, doughboard scrapper, and doughboard flat scrapper, froe, WPA shovel, weed cutter, draw knife, food adz, groove chisel, wood pick, broad axe and maul. An apple peeler of George Penland is also shown.



Programs For Aging Listed In Directory

The first directory ever compiled listing programs for and about aging in the state has been published by the North Carolina Adult Education Association, Section on Education for the Aging in conjunction with the N.C. Division on Aging using funds from a grant under

Title IV-A of the Older Americans Act.

Raymond C. Rapp, coordinator of Continuing Education Programs at Mars Hill College, and chairman of the Section on Aging for the N.C. Adult Education Association, announced the publication of the directory and noted that "Like Topsy, programs for and about aging in North Carolina just grew."

"We began the project thinking that there were not very many institutions and agencies offering programs in the field of aging in the state," he explains, "but we ended up with well over 80 responses to our initial questionnaire."

This is the first time an effort has been made to systematically organize all of the programs and institutions and agencies offering educational services for or about the aging.

Those interested in obtaining a copy of the directory, free of cost, should contact Mr. Rapp in care of the Continuing Education Program, Mars Hill College, Mars Hill 28754, or for more direct service, contact Mrs. Julia Jessop, Editor, Director of Education Resources in Aging in N.C., P.O. Box 3286, Durham, 27705, or the N.C. Division on Aging, Suite 200, 708 Hillsboro St., Raleigh 27603.

recreation for our families; and 6) trees act as windbreaks and sound barriers to make life more pleasant. The exhibit was prepared by Tony Webb and Bill Leatherwood, Madison County forest rangers. The following pamphlets are available in the library: Landowner's Guide to the North Carolina Forest Development Program; Forestry Assistance to Landowners in North Carolina; Forestry Incentives Programs; and others.

THE FOREST SERVICE of North Carolina has 15 posters in the right library window showing how they can assist residents in maintaining our forests and keeping them productive and healthy. The posters show that: 1) Forests are renewable natural resources; 2) trees regulate and purify water for our streams and homes; 3) trees provide us with over 1,500 items made from wood; 4) trees provide us with shelter and food for wild animals; 5) forests offer

recreation for our families; and 6) trees act as windbreaks and sound barriers to make life more pleasant. The exhibit was prepared by Tony Webb and Bill Leatherwood, Madison County forest rangers. The following pamphlets are available in the library: Landowner's Guide to the North Carolina Forest Development Program; Forestry Assistance to Landowners in North Carolina; Forestry Incentives Programs; and others.

Patrolmen Monitor Bus Routes

With schools reopening, State Highway Patrol Commander John T. Jenkins has called on troopers to closely monitor the operation of school buses. Although North Carolina has an excellent school bus driver training program, Jenkins is directing this special attention of troopers to ensure maximum safety of students. Eight students were killed in school bus accidents during the 1978-79 school year.

Troopers will monitor not only school buses, he said, but all vehicles along school bus routes. According to Jenkins, troopers have been directed to be on the lookout for any unruly conduct by school bus passengers which might distract the driver's attention or otherwise be hazardous.

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Mars Hill Drama Department Announces Fall Schedule

Mars Hill College's Theatre Arts Department has announced the fall semester schedule of productions which includes two one-act plays, a special musical revue, and William Shakespeare's "The Tempest," which will be guest directed by Dr. William Martin, a Tony nominee for his direction of "The Lieutenant" on Broadway in 1975.

The two one-act plays will lead off the season, opening Oct. 1 for a two-day run. These comedies will be student directed and free of charge to the public. The first play, Robert Anderson's "The Footsteps of Doves," explores the struggles of a married couple reaching middle age. Directed by Martha Hill, a senior from Mt. Airy, the production features four characters, and is set in the present time. Miss Hill has

performed and worked with the technical crews of the Andy Griffith Playhouse, several Mars Hill productions, and the Southern Appalachian Repertory Theatre. She will graduate in December with a degree in Theatre Arts.

The second one act is Chekhov's "A Marriage Proposal." This Russian comedy will be directed by Ron Andrews, a senior from Winston-Salem, who has

served as musical director, actor, and with the technical crews of several Mars Hill productions as well as the Southern Appalachian Repertory Theatre.

The musical revue will be the college's next production and will feature performers singing popular songs from past productions. The cast for this production includes Earl Leininger, Callie Warner, Sara Page Hall and Kim English, among others, and

the songs will include "Oklahoma," "September Song," "Adelaide's Lament," and others. The revue opens Oct. 11 and will be performed through the 17 with the exception of Oct. 15. Seat reservations are required for this production and may be made through the box office at 689-1239. The box office will open Oct. 8.

The final production of the fall semester will be

Shakespeare's "The Tempest," and will feature Dr. William Martin as guest director. Dr. Martin, who earned his Ph. D. at the University of Wisconsin, won a Tony nomination as Best Musical in 1975 for his direction of "The Lieutenant," by Curly Scharfner and Strand.

He also assisted Edward Albee when Albee directed his own plays, "Seascapes," and "Who's Afraid of Virginia Woolf" on Broadway and has extensive experience in Off-Broadway shows as well as regional and stock theatre.

"The Tempest" will open on Dec. 5, and run through the 16. Additional information on any of the productions, box office information, or auditions, which are open to the public, may be obtained by calling the Theatre Arts Department at 689-1203. All of the productions will be held in Owen Theatre and will begin at 8 p.m. for the evening performances and 2:30 p.m. for the Sunday matinees.

Heard And Seen

By POP

Some people have referred to me as a "sports nut" - they're perhaps correct. I'll admit I love sports of every kind, especially baseball, football and basketball. A good example of what a "nut" I am, I stayed at home last Saturday afternoon where I watched Missouri defeat Ole Miss., on TV and at the same time listened to the Carolina-Pitt game on one radio and the Clemson-Georgia game on my transistor - all at the same time - as these games weren't enough, I changed over to another channel and saw the Cincinnati-Astro baseball game played in the Dome. I took out time for a bite of supper and then tuned in to WWNC and heard the Western Carolina-Appalachian football game and during time-outs and commercials, turned over to FM and picked up parts of the Mars Hill-Gardner-Webb game. Although my eyes were tired and my ears full of football and baseball, I listened to Lawrence Welk (as usual) and the other Saturday night TV shows. Then came Sunday. After church service Sunday morning, I rushed home to watch the Lions-Falcons, followed by the Miami Dolphins vs. Chicago Bears football games and also the Cincinnati-Houston baseball game. So I guess I could be termed as a sports "nut" - I also have some friends who are just about as nutty as I am - maybe not as bad but still "nutty."

Alan Anderson, the new editor, is doing a fine job here and is quickly learning the people of Madison County. Alan is a fine writer and I like to read his articles. He likes to do feature articles and appreciates the cooperation which has been extended him. Keep it up, people, cooperation of the public makes his duties easier and the paper better.

With so many places in western North Carolina suffering from the effects of so much heavy rain and flooding conditions, I feel that Marshall and Hot Springs have been fortunate in not having major damages. The French Broad River has "behaved" itself quite well during the recent rainy weather.

Keith Flynn, son of Mr. and Mrs. Donald Flynn of Marshall, represented the state of North Carolina in extemporaneous speech. Flynn who placed first in both District 8 and state competition; placed sixth among the 47 states that were in attendance.

Ronald Rice, son of Mr. and Mrs. Ezekiel Rice, was also the District 8 and state champion in prepared speech. Ronald placed fourth in his competition in the nation.

These young men, who were accompanied by their adviser, David Cox of Marshall, both enjoyed the trip there and their stay and did a fine job of representing both our state and school.

Sept. 27, 28 and 29 two advisers and four students will attend a leadership



RONALD RICE

2 Represent State At U.S. VICA Meet

July 23-28, the National Leadership Conference for the Vocational and Industrial Clubs of America was held in Atlanta. This year from July 23 to 28 Madison High School was proud to have, among the 6,000 members invited, two students who did very well on the national level.

seminar in Laurinburg. The Madison High VICA Club, one of the outstanding clubs in the state, is now holding campaigns and elections to elect school officers to represent its 160 members.



KEITH FLYNN

Health Clinic Posts Schedule

Edward A. Morton, health director for Madison County, has announced the Health Department Clinic schedule for October. Clinics listed are held at the health department unless otherwise specified.

Tuesday, Oct. 2 - Eye Clinic by appointment.

Wednesday, Oct. 3 - Child Health Supervisory Clinic by appointment.

Thursday, Oct. 4 - General Clinic, Mars Hill Town Hall 1-4 p.m.

Thursday, Oct. 4 - Nurse Screening Clinic, Mars Hill Town Hall 1-4 p.m. by appointment.

Friday, Oct. 5 - General Clinic, Mars Hill Town Hall 1-4 p.m. by appointment.

Friday, Oct. 5 - Nurse Screening Clinic by appointment.

Friday, Oct. 5 - WIC screening by appointment.

Monday, Oct. 8 - General Clinic, trailer on left Hot Springs Health Program Grounds 1-3 p.m.

Monday, Oct. 8 - Nurse Screening Clinic, trailer on left Hot Springs Health Program Grounds 1-3 p.m. by appointment.

Tuesday, Oct. 9 - Maternity Clinic, 9 a.m.

Friday, Oct. 12 - General Clinic 8:30-noon, 1-4 p.m.

Friday, Oct. 12 - Nurse Screening Clinic, by appointment only.

Friday, Oct. 12 - Nurse Screening Clinic by appointment.

Friday, Oct. 12 - WIC screening by appointment.

Tuesday, Oct. 16 - Family Planning Clinic by appointment.

Friday, Oct. 19 - General Clinic 8:30-noon, 1-4 p.m.

Friday, Oct. 19 - Nurse Screening Clinic by ap-

pointment.

Friday, Oct. 19 - WIC screening by appointment.

Tuesday, Oct. 23 - Family Planning Clinic by appointment.

Friday, Oct. 26 - General Clinic 8:30-noon, 1-4 p.m.

Friday, Oct. 26 - Nurse Screening Clinic by appointment.

Friday, Oct. 26 - WIC screening by appointment.

At all general clinics, protection is available against diphtheria, Poliomyelitis, whooping cough, tetanus (lockjaw), measles, rubella and smallpox. Blood testing and tuberculin skin testing are also available at the general clinics.

Bach's Passion According to St. Matthew was first performed in 1729 in Leipzig.

CHARLES BISHOP, right, a stylist at the Beverly Hills Barber Shop in Asheville, won first place in the Associated Master Barber and Stylist state competition held in Charlotte on Sept. 2. His trophy was given for executing the best hair cut, shown on his model at left. Bishop began his career in barbering at Vader's Barber Shop

on the Marshall Bypass, where he worked for 14 years before moving to the Beverly Hills on Tunnel Road. "He was one of the best I have ever seen," says Vader Shelton, his former boss. "He was like my own son. I always knew he could do anything he put his mind to. I repeat: He was one of the best."



Junior Beef Show Largest In Years

Forty-nine prize steers and heifers were exhibited in the recent WNC Junior Beef Cattle Show and Sale at the Western North Carolina Agricultural Center near Fletcher by 4-H Club and FFA members from all over Western North Carolina. Jackie Ball of Marshall was auctioneer at the sale, the largest in several years.

The grand champion steer was purchased by Ingle's Markets at a record-setting price of \$2 per pound. The 1,125-pound animal was shown by Andrea Lunsford, a 4-H

Club member from Candler in Buncombe County.

N.C. Farm Bureau Insurance Co. was the "big buyer" at the event, purchasing 10 steers from the various counties. Included was the reserve champion, a Hereford steer shown by Diane McCracken of Haywood County, which sold for \$1,400 per pound.

The grand champion heifer was shown by Harold Gillespie of Buncombe County and the reserve champion by Heather Ferguson of Jackson County.

The News-Record

NON-PARTISAN IN POLITICS (USPS 388-440)

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And Columnist

Published Weekly By
Madison County Publishing Co. Inc.
BOX 369 MARSHALL, N.C. 28753

Subscription Rates in Madison and Buncombe County	Subscription Rates Outside Madison Co.
12 Mos. \$4.00	12 Mos. \$8.00
6 Mos. \$3.00	6 Mos. \$6.00
	3 Mos. \$4.00

(PL125 4 per cent U.S. Sales Tax)
Second Class Privileges Authorized
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