

Is a Paper Devoted to the Upbuilding of the Sandhill Territory of North Carolina

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## OUTLINE OF MOORE COUNTY GEOLOGY

Paper Read Before Board of Conservation And Development

The following paper was read by Bion H. Butler at the last meeting of the County Board of Conservation and Development:

"One of the essentials in comprehending the natural resources of Moore county is some knowledge of the geology of the territory. In many ways the character of the ground we live on has to do with the wealth, happiness, comfort and progress of the people. After the climate of Moore county probably the geology of the county is its most important asset. The rolling and somewhat hilly surface affords one of the most serviceable and pleasing topographical formations, giving drainage, variety of scenery, ease of cultivation and travel, picturesque surroundings and landscape, and the encouragement of a wide range of trees and plants which has much to do with the pleasure of a habitable land. The climate is materially helped by the geology of the county, for the sandy soil of the lower townships is made dryer on the surface by the sand, which moderates the temperature in both summer and winter. In those portions of the county where the sand prevails the water supply is greatly influenced, as the open soil takes up the water of the rain fall, filters it through the beds of clean sand, and discharges it through springs that are more constant in their flow than springs under any other conditions except some of those limestone springs that are really small streams discharging from reservoirs created by the cavities in the porous rock.

By the geologist the county is divided into three zones, the slate belt, the Newark sands, and the Sandhills. These formations are radically distinct from each other, and right well defined. The slate belt comes into the county at the northeast corner, crossing from Chatham county a mile or two west of Carthage, and following to the southwest to the Montgomery county line not far I imagine from Samarand. Joining this belt on the southeast is the Newark red sand, better known in this section as the possible coal measures. This belt comes in from Lee county about the vicinity of Whitehill church or a little farther south, and crosses a mile or so south of Carthage, to escape into Montgomery county probably not far from Jackson Springs. Next southeast of the Newark beds is the Sandhill region, which covers the rest of the county.

"The slate belt is the oldest formation. It should be called the volcanic belt, for a complete survey of the section by Dr. J. L. Stuckey, of the State Department of Conservation and Development, shows that the slates of the area are limited in their extent, and also that they are so mixed with volcanic material that the dominant type of the whole belt is volcanic with some mixture of waste in the slate limits. In early geological days it is probable the whole of the county was an extension of the slate belt, for at points as at Glendon, Parkwood, and elsewhere it can be seen as it goes under the Newark rocks of the Triassic period, and at points farther southeast as at Chandler's dam, Lamb's chapel, on the Carthage and Cameron road, and elsewhere the same rocks come to the surface again, indicating that the Newark rocks are in a strip of a few miles in width across the county. But along the south side of the Newark rocks an enormous fault extends, which has lifted the lower rocks vertically several thousand feet, indicating a tremendous disturbance of the earth's crust along the southeastern boundary of the Newark rocks. The Newark rocks are of sedimentary origin. From their outcrop where they join the slates on the northwest they did

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Citizens' Bank and Trust Company Building, Southern Pines

In a few days the Citizens' Bank and Trust Company of Southern Pines will be established in its fine new building, a picture of which is shown above. The two trees in front are not there yet, but will be as soon as they can be planted. This is one of the finest bank buildings in rural North Carolina.

## FOREST PROTECTIVE SYSTEM UNDER WAY

Moore County Will Be Carefully Watched For Forest Fires By Large Force of Wardens

The work of perfecting a forest protective system for Moore county is under way. Mr. Haywood H. Frye has been appointed County Forest Warden. The county has been divided into twenty-one warden districts and a district warden will be appointed for each. Each district warden will appoint from five to ten deputy wardens who will work under his direction. When this organization is complete no large section of the county will be without one or more wardens watching it. Particular pains have been taken to provide the Sandhill section of the county with plenty of wardens. Such protective measures as the funds in hand will permit will be taken to prevent the spread of the fires that get started. Every warden is expected to go to every smoke he sees. The wardens have full authority to hire fire fighters and to summons men without pay if the need arise. They have authority to commandeer cars, implements, teams or anything that they need to fight fire with. They cannot be held for trespass and have the power of arrest without warrant.

It is important that good and reliable men be appointed to the position of warden. The district forester requests the citizens of the county to aid the county warden in every way in getting a good warden organization. This means more than passing the buck along when a warden job is put up to you. A thousand dollars is not much money when it is spread over 230,000 acres of forest land. The wardens cannot do the protective work alone. It is up to the good people of Moore county not to let fires get started and to willingly help suppress those that some foolish person does start. More than 2600 persons fought forest fire in the cooperating counties of district three during the spring fire season free of charge. This is community cooperation that makes the fire money go the distance.

There is ample law to take care of practically all cases of violations of the common welfare of the county as regards forest fires. The fire laws will be vigorously enforced. The destruction of community and private wealth, in the form of forest growth, through carelessness and indifference cannot be tolerated. More than 95 per cent of all our fires are of human

origin and can be prevented. Learn the forest fire law and obey it. If you have burning that must be done do it now while it is reasonably safe. Don't wait until March or April.

Forest protection means a great deal to Moore county. If the people of the county will do their part in filling the warden positions and in supporting the efforts of the wardens the forest fire menace can be controlled.

K. E. KIMBALL,  
District Forester.

## THAT JACKSON SPRINGS EMOTIONAL DEVELOPMENT

The story that has been going around about the sale of Jackson Springs sounds as if Florida had broken loose over there, but unfortunately, while a bit of negotiation is in progress the situation so far has not looked much like reality. It may be consummated, and when it does The Pilot will tell about it. But all the talk so far has been a dream.

## RICKERS COMING FIRST OF NEXT WEEK

The members of the Ricker Hotel company expected to be in the neighborhood this week, but Mr. Joyner of the Lockwood Green company was taken sick and could not come and the engagement was postponed until a few days later. The letters say the hotel company wants to get things under way as rapidly as possible, and that they are pleased with the way affairs are working. The hotel looks like a certainty, although the agreements are not yet signed up. But they are expected to be within the next week.

## NOTICE

Dr. Chas. C. Adams, Director, Roosevelt Wild Life Station, Syracuse, N. Y., will give a public address, by invitation of the Board of Conservation, at Carthage, Monday, December 14th, at 2 P. M., on the value of birds in protecting the forests and fields from harmful insects, the annual revenue of game birds, and the recreational and educational values of birds in relation to the tourist business. Sawyer's Colored Bird Plates will be shown.

Dr. Adams will also talk to the members of the Kiwanis club, by invitation of the President of the club, J. Talbot Johnson, at their lunch hour Wednesday, December 16th, at 12:15 o'clock in the Page Trust Company building, Southern Pines. Edmund J. Sawyer's Colored Bird Plates will be shown.

## WANTS KIWANIS TO PREVENT ACCIDENTS

Advertising Committee is Getting Many Inquiries From Other States

Kiwanis club meeting at the Country club Wednesday pleased the members with the report from the Advertising committee which said that the advertising had commenced in the New York and Boston papers in the last few days and that inquiries were coming in freely from these first announcements. The work has not been going on long enough to have returns from all the cities where the papers have been used, but sufficient has been received to know that the work is having its effect.

Judge Way tossed a pleasing bouquet at Richard Tufts whose weekly letters to the membership the Judge regards as a model of persuasive epistolary work, and the club agreed that the Judge had called the turn on the secretary, for his original and interesting style is a topic of much comment.

An announcement that awakened much interest was that in February a delegation of about 160 members of the Chamber of Commerce of Maine will visit Pinehurst and Southern Pines, and the club is starting arrangements to care for the visitors.

One of the most pleasing things before the club in a long time was a band of three negro singers, one lame, one blind, but one of the most powerful bass voices that has ever come this way Talbot Johnson before he heard the songs bet Frank Buchan and Claude Hayes that in Aberdeen is a negro who can sing the hind sights off of the strangers, but after hearing the party sing Talbot put up the \$1.35 he had bet and sat down confessing that he might be wrong. But he is to bring his singer to the club one of these days and let the membership decide whether Talbot is right or wrong.

C. T. Matthews, of the Carolina Motor club, talked about the tremendous slaughter and injuries by automobiles, which in the last year killed and injured two and a half times as many persons as were killed of our American troops in the whole world war. The death and accident list last year would equal almost a third of all the inhabitants in North Carolina, and the thing is growing worse. Mr. Matthews says we must have a state police and drivers' license in this state to keep down the inexcusable accidents, and that laws must be better enforced.

## DEATH OF MISS CRISSIE McLEAN

Died at Her Home in Cameron Monday Morning— Other News

Cameron, shrouded in gloom, mourns the death of Miss Crissie McLean, who passed away Monday a. m., November the thirtieth, at her home, formerly known as the Greenwood Inn, where she was the then efficient hospitable, and beloved proprietress.

She was the younger daughter of John McLean, and Flora Kelly McLean, who before their death lived in the vicinity of Union Church. Her ancestors on both the paternal and maternal side were Scotch. Her father was a native of the Isle of Jura.

Miss McLean was a remarkable and noble woman, generous to a fault, industrious, intellectual, social and charitable. In her the poor and needy ever found a friend, the sick and suffering a ministering angel. Always a word of pleasant greeting for every one she met.

In faith she was a Presbyterian, staunch and true to her faith, yet she was not narrow in her views, and loved and contributed to all denominations. She loved her Bible, and studied it. I have often heard her remark that she believed every word of it, from cover to cover. She will be sorely missed by her only brother, and niece to whom she was more than mother. No sacrifice was too great for her in promoting their welfare. She will be missed in the town, in her home, and by her many friends. Personally, I feel that I have lost a kind and faithful friend, and mourn sincerely her departure.

Friends from far and near have sent many tokens of love and sympathy to her during her illness. The reception room was filled with flowers that she loved so much, many being sent by her former boarders, and young men who had boarded with her, remembered her with beautiful flowers.

Of her immediate family, she leaves one sister, Mrs. J. H. McDonald, of Carthage, one brother, Mr. M. D. McLean, and a niece, Miss Vera McLean, whom she reared from childhood. A host of relatives who were devoted to her, and will ever love and cherish her memory. The funeral services were held at Union Presbyterian Church, where all her life she had been a faithful member, and conducted by the pastor, Rev. D. McD. Monroe, assisted by Rev. M. D. McNeill and Rev. J. W. Hartsell. Mrs. A. L. O'Brian sang very sweetly, "Sometime We'll Understand." The pall bearers were her former and present boarders, Dr. A. L. O'Brian, Messrs. J. F. Saunders, P. G. York, Jess Howard, Johnie Keith, Raymond Smith. The floral offerings were many and beautiful—white predominating, and in lovely designs.

"Say not, good night,  
But in some brighter clime,  
Bid me good morning."

## Wedding

Friends and relatives received last week, the following announcement: Mr. and Mrs. H. P. McPherson announce the marriage of their daughter, Lula Belle to Mr. James Mitchell Guthrie on Wednesday the twenty-fifth of November nineteen hundred and twenty-five; Baltimore, Maryland. At home, Laurenceville, Virginia.

The marriage was solemnized at the Manse of the First Presbyterian Church, Baltimore, by Dr. Hugh Lennox Hodge, who used the marriage rites of the Presbyterian Church of Scotland.

About fifty guests were present. Prior to the ceremony, Miss Margaret Edwards of Baltimore, sang "At Dawning," and "O Promise Me." She was gowned in brown satin and wore a corsage of salmon pink sweet peas. Miss Zelma Ruse of Washington, N. C., wearing brown crepe de chine, presided at the piano. Miss (Continued on page eight)