Local Showers Tonight and Tuesday. Light to Moderate North-East Winds.

Dr. J. H. Pratt Discusses Sand-Clay Road Work

North Carolina Geological and Eco-AUTOMOBILE PARTY HAVE nomic Survey Issues Circular. The Ideas Well Worth Careful Perusal.

Before beginning the construction a sand-clay road about eighty per of a sand-clay road, the sand and cent sand and twenty per cent clay. One simple means of determining the be examined to ascertain whether theoretical amount of pure clay that they have the right properties neces-sary to build a first-class sand-clay road. The best sand or gravel to use of the twick has a sharp cutting of that which has a sharp cutting or brimful with the sand that is to odge and it should not be in too fine is that which has a sharp cutting odes and it should not be in too fine grains. A clean, sharp grit, such as is desired in making mortar is the quality of sand that is wanted. The best results are obtained, however, when the grains of sand are coarser than those used in making mortar. While any clean sand will make a sand-clay road, the sharper the grit the better the resulting road. The characteristics which are more destrable in the clay are plasticity and the ability to slake well when it first becomes wet. A clay is called plastic when it becomes sticky or dough-like when it becomes sticky or dough-like when mixed with a certain amount of water, so that it can be molded or pressed into various shapes which it water, it will usually retain its form for a long time. There are other clays, however, which will immediately fall to pleces when placed in water as a lump of quick-lime will do under similar conditions. This is due to the very rapid absorption of water into the porous construction of the clay. It can readily be seen that this characteristic is an important one when considering the material to be used in a sand-clay road. There is come in a sand-clay road. There is come of the subsoil is a clay.

Clay Subsoil—The road should be properly located and graded and then the proper crop and slope from this to the diches. The surface should when leased in a sand-clay road. There is come in a sand-clay road then the proper crop and slope from this the proper crop and slope from this to the diches. The surface should when leased in a sand-clay road. There is come in a sand-clay road. when considering the material to be smooth and about four or five inused in a sand-clay road. There is ches lower than what is desired when
still another physical characteristic
of clay which is to be considered
from the standpoint of the road
builder. Some clays shrink when
or sixteen feet in the center, should
dried, which is shown by the crackting and breaking out of their surlage. This shrinkage in the measure
harrowed, with a cutaway (disc) har-. This shrinkage in the measure harrowed, with a cutaway (disc) har of their expansion makes a sand-clay row. The sand should then be spread composition unstable. Shrinkage over the surface to a depth of four would do no harm if the clay would titches and thoroughly harrowed in would do no harm if the clay would titches and thoroughly harrowed in stay in this condition, but it does not and then four more inches of sand When water, removed by evapora-spread over the surface, and again tion, is restored to the sand-clay thoroughly harrowed. After this mixture, its entrance is accompanied mixing of the sand and clay is comby a simultaneous expansion which pleted the road should be dragged. causes the grains of sand to become After the first heavy rain the road separated. This property can not be should again be harrowed and then

clays if possible.

One good test for a clay is to wet sharp sand is used on a plastic clay. the thumb and place it against the a first class sand-clay road will be the clay and if it sticks to the thumb it result. clay and if it sticks to the thumb it result.

In too many instances in constructing a same clay road. If, on the other ing a sand-clay road the sand has hand, it does not stick to the thumb, we are safe in assuming that this particular clay will not make a good binder. In general, select the sticking and very often there is not a cest clay and the chargest said available.

break up in dry weather. Avoid such If the sand clay road is construct

In too many instances in construct

"top soil dressing" and the resultant becomes a hard-surfaced road. The road a "top soil" road. In reality, main objections to making the sand however, "to a sand-clay road and clay road in this way are that unless the sand-clay road and clay road in this way are that unless the sand-clay road and clay road in this way are that unless the sand-clay road and clay road in this way are that unless the sand-clay road and clay road in this way are that unless the sand-clay road.

however, 'it-is a sand-clay road and we simply used a mixture of the sand and clay which nature has provided.

The proportion of sand and clay the clay causes considerable of the such that there is just a sufficient are not broken up by the harrowing; amount of clay, and no more, to fill the voids between the grains of sand when these grains are touching each other. The clay is the binder that there is not as even a mixture of the clay to get into round balls, which are not broken up by the harrowing; amount of clay is the binder that there is not as even a mixture of the clay is the binder that there are not broken up by the harrowing; and that there is not as even a mixture of the clay is the binder that there are the chartowed later when they are thoroughly mixed and then harrowed later when they are thoroughly mixed for and then harrowed later when they are thoroughly mixed for and the harrowed later when they are thoroughly mixed and then harrowed later when they are thoroughly mixed and then harrowed later when they are thoroughly mixed and then harrowed later when they are thoroughly mixed and then harrowed later when they are thoroughly mixed and then harrowed later when they are thoroughly mixed and then harrowed later when they are thoroughly mixed and then harrowed later when they are the clay to get into round balls, which we clay to get into round balls, which will be clay to get into round balls, which will be clay to get into round balls, which will be clay to get into round balls, which will be clay to get into round balls, which is clay to get into round balls, which is clay to get into round balls, which is and that there is not be clay to get into round balls, which is and the clay to get into round balls, which is and the clay to get into round balls, which is and the clay to get into round balls, which is and the clay to get into round balls, which is and the clay to get into round balls, which is an extend the proportion of sand in the clay to get into round balls, which is an out of the s the grains of sand are prevented form subsoil and have to add clay to this, and seventy-five were the recipents touching each other and are able to the method of procedure is somewhat of Miss Lyda's hospitality. Tempting move about such other in the mass of different from the case outlined refreshments were served. No social clay so that the resistance of the above. The sandy roadbed should function among the little tots was clay so that the resistance of the above. The sandy roadbed should mass to the wearing effect of traffic be flat and then a layer of clay spread mans to the wearing effect of traffic to was practically no more than if the road was composed simply of clay. Water is also able to act upon the mass of clay and the road becomes sticky and muddy. If there is too small a proportion of clay used, the the grains of sand are not commented lightly together and the road disinter rates very quickly under traffic and rain.

The uxect proportion of sand and clay for making the best sand-clay road and the stand-clay road on not be stand-clay to the clay and the after a heavy rain against the coarting to the sand-clay road and the character of the sand-clay road and the character of the sand-clay road in the character of the sand-clay road the sand-clay road and the stand-clay road and the stand-clay road and the stand-clay road the sand-clay road was a sand-clay road when the sand-clay road was a sand-clay road when the sand-clay road was a sand-clay road when the sand-clay road was a sand-clay road when the sand was a sand-clay road was a sand-clay roa

ARRIVED AT RICHMOND

Messrs David Fowle, William Knight, David T. Tayloe and Jay Hodges, left Saturday moraing in the automobile of Mr. Dayld Fowle for Richmond, Washington City, Baltimore. Philadelphia and Atlantic City The party arrived safe and sound in Richmond on aSturday night and ar enjoying their trip so far immensely

MISS MAUD SWINDELL AT HOME TO GUESTS

8:30 to 11, Miss Maud Swindell, the attractive little daughter of Mr. and Mrs. W. E. Swindell, charmingly en tertained at her home on East Sec ond Street in honor of her house guests of Misses Suesi Fields of Hert-ford and Gladys Rous, of Edward, Between twenty and thirty were inwited the evening proved to be one of pleasure and merriment. Delicious refreshments were served. All de parted wishing every joy to the me little hostess.

WILLIAM G. RODMAN DIED SATURDAY NIGHT

On Saturday night last at the In let Inn, Beaufort, N. C., after a ling ering illness of six weeks little William Grimes Rodman, the ten-month old son of Major and Mrs. Wiley C Rodman, of this city, fell peacefull; on sleep. The remains arrived here Sunday morning via the Norfoll Southern train and the funeral servi ces were conducted from the resi dence yesterday afternoon at 5 o' clock conducted by Revs. Nathanie Harding and C. D. Malone. The inlerment was in Oakdale cemetery.

Little Willaim was the sunshine of

skill of the physicians or the attention of loved ones proved of no avail for God kissed his eyelids down and called him to brighten the battle "The Lord gav overcome for it is inherent in the dragged into shape so as to give it in the stage with the proper crown, and it will then be mad the Lord hath taken away. Bless the own position. This, however, will a roller convenient this may be used weaken the road and cause it to to some advantage. ments of heaven.

Bowers Lewis Co's. Cost Sale Wednesday

As will be seen elsewhere in to day's News the well-known firm of Bowers-Lewis Company beginning Wednesday morning and lasting for ten days, will afford the citizens Washington and Beaufort county as able.

Occasionally, a natural mixture of sand and clay have been found in the right porporation and of the right when constructed by the method described above.

If the sand is added to the clay factor of the fill barrows and have been used in surfaced to the fill be done at one time, and, the nitriare has been called the shaped up and dried out, when shaped up and dried out, and their cost sale. This bargain sale beserible above.

LYDA CARTER STUDDERT CELEBRATES NATAL DAY

Miss Lyda Carter Studdert, the 7year old daughter of Captain and Mrs. George J. Studdert, was at home to heard in connection with the presi George J. Studdert, was at home to heard in connection with the presi-her playmates and friends Saturday dential nomination are Francis E. afternoon from four to six thirty, the occasion being the celebration of her J. Houston, of Texas, Madison F. beventh natal day. Between fitty Larkin, of Pennsylvania and Dr.

DR. LOUIS A. BAUER



Dr. Louis A. Bauer, the scientist in charge of measuring the earth of Carnegis institution, has returned from a trip of two and a half years non-magnetic ship Carnegis, in the course of which he circumnavigat world. The observations he made will be used to rectify errors on m

Prohibition Party Names Its Nominees Wednesday

President. 1872 James Black of Pennsylvania John Russell of Michigan 5,607 9.737 *

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1876 G. O. Smith of Kentucky G. T. Stewart of Ohio 1880 Neil Dow of Maine. W. A. Daniel of Maryland 150,626 1888 Clinton B. Fisk of New Jersey J. A. Brooks of Missouri 249,945 * 1892 John Bidwell of California 1896 Joshua Levering of Maryland

1900 John G. Woolley of Illinois 1904 Silas C. Swallow of Penn.

to meet on the Steel Pier during

The convention will be called to

rder at 10 o'clock Wednesday morn-

ing by Charles R. Jones, chairman of the national committee. The con-

vention will be attended by 1484 delegates and an equal number of alter-nates. Owing to the popularity of

Atlantic City as a summer resort the

attendance of visitors and onlooker

is expected to be larger than at any of the previous national conventions

With the arrival of the delegates in town the discussion has opened in

regards to the probable choice for the head of the national ticket. Those

whose names are most frequently

Aaron S. Watkins of Ohio, Eugene

bearer four year ago, is also mention

the time of his nomination in 1908.

ominee will depend largely upor what section of the country the

idential choice comes from. W. G. Calderwood, of Minnesota, is said to

be slated for the chairmanship of the national committee to succeed Char-les R. Jones, of Illinois, who is re-tiring from the post after a service of ten years. Mr. Calderwood is believ.

ed to be entitled to the honor in

but has since removed to Aris

Mr. Chain lived in Illinois at

on of a vice presidential

of the Prohibition party

the last three days of this week for

angements

Hale Johnson of Illinois 130,753 H. B. Metcalf of R. I. 207,174 watkins of Ohio 253,840 Special to the Daily News.
ATLANTIC CITY, N. J. July 8.—Pro-

Columbus, Ohio, in 1872, the Probihibitionists are beginning to arrive for their national convention, which bition party has regularly held na tional conventions and as cominated candidates for President and Vice President, encouraged by a the nomination of candidates for President and Vice President and the growing popular vote, though it has never received a vote in the electoral adoption of a party platform. To-day the national committee met at the Hotel Chalfonte to complete the gratifying growth, particularly in final details of the convention arcertain sections of the South and

> The candidates of the Prohibition party and votes cast for them in the presidential elections since and cluding 1872 are shown above.

CAMPING PARTY NOW SAFE ON THE ISLAND

ave returned from Ocracoke, N. C., where they accompanied the camping evening. The party left here on Friday night at 8:30 and arrived at a great work in Washington and it shown by the Coracoke Saturday morning at 10 obling arrived at large and the saturday morning at 10 obling arrived at large and the last vine grace clock after spending awtrenuous night on the uncertain aPmileo Sound. All over Washington can be seen every sively entered the next the next the next that the clock after spending awtrenuous night on the uncertain apmileo Sound. All over Washington can be seen every sively entered the next that the clock after the next that From all reports the party irrespec- idences of the good the Home Buildin calling for "New York" on their Many a citizen today owns his own that at least an home as a result of the establishment able meeting and able meeting in the afternoon at f. we o'clock W. Chafin, who was the standard aiding seasickness. Of course it is to state that the entire part were good sailors yet if reports are true they desired terra firms for the time being. The party after landing turned their melancholy into joy and from now on the island will with marriment until the time o

The adies Aid Society met this on with Mrs. Robert L. Jones at five o'clock on Fifth Street. The

County Commissioners Meet in Regular Session

Delegates Named to the Good Roads Convention at Charlotte, August 1-2nd. Commissioners Eberstein and Hooker to Represent County at Wrightsville, Aug. 12th.

business for the past month.

yards of white homespun and a pair \$1.29.

ship, was relieved of poll tax (one The convicts were allowed to work

Commissioners W. W. Hooker and W. F. Gaylord were appointed delegates to the State Association of County Commissioners to be held at Wrightsville on August 12.

All persons desiring to make com plaints to the valuation of property on the tax list for the year 1912 will appear before the board as follows: Monday, July 8: Long Acre, Choco

vinity and Bath Townships.
Tuesday, July 9. Pantego and Richland township, City of Washington

and Belhaven precincts.

The following named persons were appointed delegates to the Good Roads convention to be held at Char-C., on August 1 and 2:

F. H. Von Eberstein, S. F. Freeman B. D. Rowe, F. J. Guilford, E. D. Lewis, Fred Wolfenden, J. N. Hill, Blaney Turage, W. F. Patrick, M. \$100 M. Hill, R. L. Barr, G. T. Leach, A. levic. D. MacLean, Chas. L. Morton, J. J. ton, L. Hodges, J. C. Latham, O. B. Wynne, chips a J. R. Pinkham, M. H. Cutler, Surry Parker, J. F. Tyer, S. W. Anderson, J. B. Archbell, B. M. Smith, C. B. Paul, W. B. Campbell, L. P. Harris. W. H. VonEberstein, Henry Stancill, W. H. VonEberstein, Henry Stancill, W. T. Warren, B. T. Bonner, C. D. Jones, W. K. Jacobson, Jas. L. Mayo G. J. Studdert, F. P. Latham, C. P. Aycock, P. H. Johnson, Thos. Green, J. B. Harris, J. A. Wilkinson, W. J. fied March 8, 19 Harris.

Gilbert Rumley, clerk to the board purposes under sai was given the contract to make up the tax books and do all work in conection therewith at four cents per

Ordered that following taxes be evied for the year 1912:

On each \$100 worth of property es of public roads, its in addition to the state tax levied or ings, a copy of which directed to be levied by an Act of each railroad compan

The twenty-first series of the Home

200 SHARES TAKEN IN

The Board of County Commission- the General Assembly, ratified March ers met at the Courthouse on Mon-day last and transacted the following 21 and 2-3 cents; for bridges and usiness for the past month.

All the member present and ding session ding session against approach.

Market Ward approach. Mariah Taylor was allowed 15 the county in addition to the tax of

Levied by said acts for the poo W. T. Allcock, of Richland town-lip, was relieved of poll tax tone Levied by said acts for schools 39

cents. Total \$2.00.

That 30 cents on each \$100 worth
of property and 90 cents on each poll for J. B. Harris and others at Pungo for thirty days beginning August 9. shall be levied and collected for the After this work is completed they following school districts towitrare to work for J. A. Wilkinson and No. 1 Springs Creek; No. 2 Oregon

are to work for J. A. Wilkinson and others for thirty days.

Daniel Spates, col., of Bath was relieved of poll tax (One leg).

Commissioners W. W. Hooker and

No. 11 Chocowinity, Chocowinity Township.
No. 3 Old Ford; No. 1 Pineville.

Washington Township. No. 3 North Creek; No. 4 Gaylords No. 6 Bath, Bath Township.

No. 6 Pantego, Pantego Township, Forty five cents on each \$100 orth of property and \$1.35 on each poll will be levied for the Belhaver

special school district. One and 1-2 cents will be leyied per acre for the no-fence territory in

Washington township.
Twenty five cents on each \$100 val untion of property is hereby levied in

the no-fence territry in Long Acre township for the purpose of fencing said territory Ord hat 10 certs

ington, L It is furth

mum special iness and pr the use of the Acts of the Go

Ordered that the serve notice on all ra-in Beaufort County t comply with the reof 1906 relative to grad

SERVICES WELL BUILDING & LOAN ASS'N AT FIRST M

opend on last Saturday night at the 11 A. M., the past Savings and Trust Company's bank-ing house, corner of Main and Mark-sixteen to nineteer et Streets. About two hundred shares the two sacreme were taken representing twenty thou-sand dollars at maturity. the Lord's supper ering for the poand dollars at maturity.

Up to the issuing of this last series Holy Communion

there were 144 shares in force representing \$11,400 with the additional tual. At the even 200 shares taken out on last Satur- usually large co day nighter. There is now in force ent and the pas This home industry is performing of God's anx

of age or size did good service ing and Loan Association is doing. profit able meeting in the afterno at f .we o'clock.

THREE ADDITIONS TO

Interesting services were senduci ed at the First Presbyterian Church Sunday morning. Prior to the a by the pastor, three new addition were announced for the church roster two by examination and one by let intered to Lymbon Shaw Jr., the bright and inferenting son of Mr. and at five e'clock on Fifth Street. The Bright and interesting son of Mr. and Steamer Blanche heat Saturd beard of Stewards are called to meet Mrs. Lyndon Y. Shaw. All present for Occasche to spend next in the Saraca room of the church this speak in the highest terms of the se the greets of the camping povening at \$:36 o'clock. This will thoughtful normon delivered by the file island. They expect to be regular monthly meeting.

isch yesterday. At isch yesterday. At isch yesterday. At or read briefly to or read briefly religion articles of religion at those erelating to ats.—Baptism and The monthly off-was made. The was largely attendtwas largely attendte was deeply spiriming service an unmirretration was prester pased isa. 55 1-3 as
e emphasized the fact
ma nan is sty to save ma nas is rich provisions of diand love so freely offered, se the service was impresied by the singing of "Come Ye Disc all attended in the morning,

! services at the

Blake Watson, son of Mr. and Mrs.

M. F. Watson will regret to learn of his continued illness. He is confined home with fever. bright little fellow and all wish him a speedy recovery.

FOR OCRACORE

Several young ladies and gentlemen contemplate seaving on the Steamer Blanche next Saturday night for Ocracoke to spend next Sunday as the guests of the camping party on