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NEWS LETTER

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LUMM

NORTH CAROLINA CLUB STUDIES

A COMMUNITY RALLY AT THE UNIVERSITY

The guests were our friends and neighbors in Orange, Chatham, Durham and When our wasteful methods of lum-Alamance—some 500 or more.

The hosts were the people of Chapel the housekeepers, everybody in Chapel

The major-domo was Dean M. C. S. social significance became clearly evi-

an entertainment by the University stu- mercial concerns. dents, a brief address of welcome by President Graham, a wonderful exhibit in Memorial Hall of farm products, vegetables, fruits, and flowers; needlework new and old, some of it historic, rare, athletic contests by the young people- in October.

lationship with the people far and near to hay and forage production, livestock and they could but realize it.

LEADS THE SOUTH IN PO-TENTIAL WATER POWERS

In the mountain regions of the state grasses. and on the long slope eastward to the North Carolina and Wisconsin fall line in North Carolina, and southeastward along the streams flowing into South Carolina, our potential minimum ation Commission in 1912.

Herein lies the explanation of North den seeds, the apex. Carolina's early start toward industrial Comparing it with Wisconsin's proddevelopment, and her present pre-emi- ucts he said, we raise everything that dwellings with unsanitary surface closets; nence in manufacture in the South, said Wisconsin raises except flaxseed, emmer 653 families depending on wells and

1000 horsepowers. These small water not grow at all. powers are available for domestic and municipal uses; for running farm mapower for the hundred uses of small businesses therein.

ership

But in 1912 only two towns in North year. Carolina had developed their own small for municipal purposes.

Water Powers in Manufacture

The water power developed and in use was 41,926 horsepowers; in which particular we ranked 2nd, in the South.

In addition we had 22,000 horsepowers in use by 191 custom saw mills and 861 custom grist mills; making all told 64,000 horsepowers developed by water and in use for manufacturing purposes in the state. That is to say, we are using for manufacture almost exactly one-ninth of the potential water power in North Carolina.

Corporation Ownership

developed and under construction in 1912 cattle. by two light and power companies, says years.

Herbert Knox Smith, our Federal Corporation Commissioner at that time.

A Look Ahead

bering, our steady destruction of present and prospective timber by forest fires, Hill, the faculty and student body of the and our enormous yearly cut of firewood University—the Community Club, the have brought us to our knees in North city Board of Trade, the business people. Carolina, we will begin to realize the immence value of our unconsidered small water powers.

In another generation or two we will Noble who conceived this idea and has turn to these small privately owned water kept it alive from year to year until its powers, not only for light and warmth, power and traction, said Mr. Eagle, but for protection against over-charges_for The events were an automobile parade, electricity furnished by the big com-

OUR DIVERSITY OF FARM PRODUCTS

The remarkable diversity of soils and and precious; old furnitures and house- seasons in North Carolina naturally leads hold furnishings; school exhibits and so to diversity in crops, livestock farming on and ou; free moving pictures; a lan- and agricultural industries, said Mr. R. pointed out the simple effective things know. Here belong geography, history tern lecture on poultry; a competitive E. Price of Rutherford county to the singing by five county Sunday schools; North Carolina Club at the last meeting save the 65 children who die in Orange nature study, physiology and hygiene. eight is a different one, as a teacher some-

potato races, three-legged races, rainy In the tide-water country we have said day races and the like; an old-fashioned he, the truck crops of the Great Winter picnic dinner in the University grove; Garden. In the coastal plain counties, and the awarding of some sixty small we have nature's choicest area for cotton, tobacco, corn, sweet potatoes, pea-An eventful happy day—a detail of the nuts, pumpkins and pork production. large University plan to promote a com- The Piedmont country is a winter wheat fortable, folksy, home-folksy, helpful re- area, offering every possible advantage in whom the University belongs, if only dairy farming. The mountain country is a region of cattle, cabbages and kings, buckwheat, sugar maples and apple or

> We raise everything from the sub-tropical fig to the sub-arctic cereals and

Compared

The speaker exhibited an interesting water power is 578,000 horsepowers, on a chart of the farm products of the state in basis of 75 per cent efficiency; and our the census year, arranged in the form of rank in this particular is first in the a pyramid; fifty million dollars worth of houses. They found 1,605 dwellings to- ventable, postponable diseases and South, as recorded by the Federal Corpor- cotton forming the base, and seventy-five hundred dollars worth of grasses and gar-

and spelt: and we raise corn, wheat, pea-North Carolina Club at its last meeting. nuts, tobacco, orchard fruits and nuts in homes. greater abundance. Our farm woodlot Numerous Small Water Pow- products are worth nearly \$2,000,000 more. Our poultry stock is smaller, but altogether 1,188 cases of typhoid fever in And these figures do not count the we produce 5,000,000 fowls more per the homes/of the county during the last small sites capable of developing less than year. Cotton of course Wisconsin can- 25 years.

In Wisconsin the farmer struggles with Nature to produce crops and animal prodchinery, lighting farm homes, lighting ucts: in North Carolina Nature struggles small towns and cities, and furnishing with the farmer for a full expression of of her gifts and favors.

He called attention to the fact that Wisconsin's agriculture is based on hay Lags Behind in Municipal Own- and forage, her greatest crop; ours, on cotton and tobacco-or so in the census

We are crop farmers mainly; they are water powers and brought them into use livestock farmers mainly. While we proproduce \$33,000,000 worth of livestock brought face to face with these anazing products, they produce nearly \$120,000,-000 worth, not counting another \$100, 000,000 in butter, cheese and condensed milk turned out by their 3,000 small facfor manufacturing purposes in North tories. They are food farmers and live Carolina, as reported in the 1910 census, at home with surpluses to sell; we raise cotton and tobacco to sell, withdeficits of food and feed to buy-or so for a long term of years.

wealth is less than a third of the average in the United States; Wisconsin's is a fourth above. Our average is \$322 and theirs \$1,123.

Our New Farm Basis

crop values have increased \$151,000,000 weekly disposal of contents. and controlled 158,435 horsepowers or 000,000 a year. And the gain is in bread enough to know that, simple as these superstition, myth, legend fairy story or and the perception of a professionally 27 per cent of our total potential horseDowers Fort C Powers. Forty-five per cent of the commercial waters in a jiffy; and contagious and infectious diseases is durmercial water power in North Carolina, wheat, oats, hay and forage, pigs and that time is required for the full measure ing childhood?

Van Hise, in his volume on Concentra
\$55,000,000 worth. Cotton retires to the enough to go on to the very end now occur among children having whoopingtion on ten-cent boys. We protest against enough to go on to the very end now occur among children having whoopingtion on ten-cent boys. tion and Control; and two-thirds of it, second place for the first time in forty that they have started to clean up thor-

TWO HEADLIGHTS

Two headlights for North Carolina: The daylight school for every child in the State and the moonlight school in operation till there are no illiterates in North Carolina.-The News and Observer.

A WONDERFUL SANITARY SURVEY

officers of the Federal Health Service have been visiting and re-visiting the 3250 homes of Orange county.

They have been investigating the conditions affecting disease, sickness and death in these homes—the water supply, the toilet facilities, the disposal of human body waste, the breeding places of disease-carrying insects, the screening against flies and mosquitoes and so on.

They have scattered bulletins far and wide about the origin and nature of typhoid fever and other intestinal diseases

in schools and churches all over the coun- course belong in different groups, as, for today because pupils are not drilled in health campaign has ever been conducted arithmetic and problems involving reason- oughness. A child who can give the anywhere in the United States.

Astounding Revelations

The civilization of Orange county is 162 years old, and there are no better people on earth. The disclosures of this survey simply show how sensible, good people can habitually neglect the commonest safeguards of health and life—the health and life of loved ones in their own home

In the 2,085 country homes, the surveyors found not a single family that tried to prevent the breeding of flies in manure piles. They found only two sanitary outtally unscreened, and 1,292 homes or deaths. more than three-fifths of them all with no surface closets or other toilet facilities.

In the 773 town homes, they found 645

In these 773 town homes they found histories of 301 typhoid fever cases, and

The same kind of searching examination would show similar or worse conditions in any other county in this and every other state. Orange is not worse than other counties, but Orange now knows better than 3,000 other counties of the United States the necessity of safeguarding the home circle against preventable diseases, and the ways in which to do it simply and inexpensively.

The Results to Date

When the people of Orange were conditions, they began to act promptly.

The towns have all passed ordinances requiring sanitary surface closets, and the weekly disposal of human body waste in sanitary ways under the direction and in-

spection of health officers. ranging to provide them.

to help in building sanitary outhouses for their level best. We are looking for much dea and is clearly setting forth the issue. district trustees, and the teachers are ating from Asheboro. However, said Mr. Price, we are rapid- alive to the necessity for fly-proof closets ly remedying this economic error. Our with water-tight receptacles, and the

of results.

was controlled by a single concern, says The base of our 1915 pyramid is corn, And the people of Orange are wise loughly.

UNIVERSITY SCHOOL OF EDUCATION LETTER SERIES NO. 50

subject is this: What is the aim of this is simple, definite, and easily tested. am I aiming at in this lesson or this series nite things, easily, accurately, mechaniof lessons? For the result at which one cally, and without hesitation. is aiming will naturally determine the During the last six months, six field methods of teaching which are followed.

Different Groups of Subjects

we examine the different subjects of the tion of a series of habits of dealing with course of study, we find that they fall number combinations. The aim is fulinto different groups.

There is, for example, one group, in- those combinations with absolute accuracluding much of English literature, music, cy, with ease and rapidity, and so mepicture study, and the like, in which the chanically that no thought is required. aim sought for is that the pupil should When does a pupil know how to multidevelop an application of the material ply? Not until he can handle any comwith which he is presented. Another bination in the table with one hundred group of subjects attempts to give the pu- per cent accuracy and in a fashion which -dysentery, diarrhoea, hookworm, chol- pil a definite stock of ideas and informa- is absolutely mechanical. Only then has era infantum and the like. They have tion about things important for him to he formed the series of habits in question. to do in order to abolish typhoid, and to to an extent, parts of science and a habit. The ability to multiply seven by year by year before they are five years And so we might go on, finding that the times finds to her surprise. Each habit old, most of them from preventable dis- subjects taught fall naturally into such must be formed separately, and drill on, groups, characterised by different aims each one must be continued until perfec-They have held 80 public meetings, and and so requiring different methods. Dif- tion is reached. A habit half learned is given illustrated lectures to 6,000 people ferent parts of the same subject may of soon forgotten. Our schools are suffering No more searching, stimulating example, the fundamental operations in fundamental habits with sufficient thoring aim at different results.

The Habit Group

groups is that made up of the so-called damentals of arithmetic. Neglect of this parts of subjects, aim not at developing of trouble later.

One question which should be con- appreciation, or at the acquisition of a stantly in the mind of the teacher in pre- stock of useful information or general senting any subject or any portion of a mental discipline, but at a result which work which is being done? What result This is the power to do certain very defi-

One Habit Subject

Let us take for illustration the teaching of the four fundamental operations in If, with this question of aim in mind, arithmetic. The aim here is the formafilled only when the pupil can deal with right answer to a number combination, but who can give it only after stopping to think," should never be considered by One of the most important of these the teacher as having mastered the fun-'habit subjects''. These subjects, or simple truth means a tremendous amount

typhoid cases in 1914 dwindled to 19 this "catching these diseases. Not only must year; and the death rate from eight to there be quarantine but it must be rigidly

whole-time health officer; and to lead the their physical heritage, -good health. whole United States in freedom from pre-

A PRACTICE HOUSE

and economy.

be a practice shop or office or farm to The Board will keep a record of all teach the boys how to provide the neces- school children whose examination show-

May it continue to grow better with each other counties where the medical inspec-

RANDOLPH PROSPERS

take a look into Randolph county. It has give his entire time. wonderful possibilities. Rich soil, beau- With these counties adopting medical tiful in situation and in most cases well inspection for their schools it is expected cultivated. There is much of it still lying that by the end of the year ten counties, waste, however, and some of it is poorly at least, will have been given the benefits tended. They say hay grows well in the of this combined educational-health county. If that is so why is there so much work. baled hay wire visible?

Asheboro

Asheboro is the busy center and a fast the schools, and the superintendent, the good news all through the county radi-

CHILDREN FIRST

Vital statistics can be quoted to show that a vastly greater proportion of deaths against putting a thousand dollar educaamong adolescents or adults.

It is encouraging to know that the 160 | Children must be protected from enforced. Every good citizen will see to The county is getting ready to have a it that children are given the right to

SCHOOL HEALTH INSPECTION

The whole time health officers of Sampson, Nash and Pitt counties have adopted From the Clarion, the official publica- the plan of medical school inspection for springs, and 358 with totally unscreened county) we learn that Belmont is to have Board of Health has recently developed. a practice house as a means of teaching The health officers of these counties will the girls how to run a house with skill cooperate with the Board in like manner as the school specialists of Alamance, The next step we suppose will have to Northampton and Edgecombe counties.

sary wherewithal for the support of the ed some physical defect and, in order to see that the child receives treatment, will We are glad to welcome the Clarion adopt the same follow-up method in once more as it starts on its second year. Sampson, Nash and Pitt counties as in the tion campaigns will be conducted by the Board. The whole-time health officers. however, will be able to give only two or three days in the week to this work while We have just had an opportunity to in the other counties the specialist will

EDITORIAL COMMENT

The newspapers of the state are taking On the second round of visitation, the growing town. There is an alertness notice of the professional training of surveyors found 35 per cent of the coun- among the people there worth watching. teachers. The Greensboro Daily News try homes with sanitary surface closets al- Their school building, built new only a has called attention twice, editorially, to As a result our per capita country ready built, and almost all the rest ar- short time ago, while too large when the necessity for a teaching profession built is now altogether too small. The based on specialized training. The Fay-The school board appropriated money teachers are wide awake and eager to do etteville Observer has also caught the i-

Keep At It,

We know what a decisive part our state papers play in forming public opinion and we sincerely hope this whole Whoever in the world was it started the question will be persistently followed up

The New England states are protesting