## THE RALEICH STAR AND NORTH CAROLINA GAZETTE.



"Amonin Ammonia Amonia, Liebig maintains, is a its being; that it is to organism for
tee and potassed with ice and potash, soda and oxygrn,
whose quantity within the nisme quantity within the orga withont, is, in general terms, con
tant. He holds that whep quired physical propertics have cessary inorganic incredients, in and carbonio acid, with meallia and carbenic aecid with healthy
falls of rain, will provide them-selves,"-Prof, Hor sford,
The Plain English of the abot heory is, that the organized carbon ble and animal origin, are of littie ond crops of grain, grass or roots. Kains and dews will yield to cul. arbonic acid that they need, leas ing the farmer no greater task than opulverize his soil, nnd giveit "the ecessary inorganic properies, an is are not prepared to assert the sliment of vegetnbles is ind not true but We can say that its soundness lacks evidence to ant extent whith
should make one hesitate before he adopts the theory for the parpose practical me basis Does Prof. Horsford find abun-
ant evidence that Anmonas exist in the atmost phere independent the quantity given it by decaying aflisivirutin whieh mmmonia earth in larger quantity than plants this excess of available azote (nitro gen ) adequate, not merely to feed all vegetable growing spontaneous ly on the earth, but to supply the
much larger demands of a whent crop eaqual to 60 bushels per acre crop eaqual to 60 bashels per acre
Uuless every acre on a whole continent posses
 the quantity furvished by forests
and natural meadows, and required by them in their organization, how can one acre recieve a larger
supply, except by human agency? It is much to be regretied that our State Agricultural Society does
not use a small portion of the thousands of dollars it annually receives from the public, to determine the
practical value of Ammonia, both without the addition of the plos found in the ashes of wheat end other crops. For the last thousand dollars paid in premiums for corn
erops, In this State by its several
Societies, we can one new fuct of the best yalue has
been brought to light. Such would not be the case if premiums avere
offered to gain information in the little explored fields of the organt-
ism of eultivated plants and domes.
tic animals. has ever been given to encourage
investigations in vegetable and plyylology. Men that Jevote and money apparatus, and their time to
sive jets, muss work for nothing and State. Is this wise? Is it just? ale specula science that book only to the public good-can find
neither land nor buildings in the Empire State whieh it eon occupy
without paying a ruinous ront. One word more on the subject of
ammonia. Before Mr. Horsford
went to Europe if he was present at an Agricultural Meeting in the Geological Rooms of
the old State Hall, Albany,
Mr Humphrey, then Marer of ich city, stated that, on two acres of
the naturally sterile sand phing near that city, he had miser 120
bushels of shelled busheis of shelled corn, simply by
patting a bandful of 'sernpings of phiting $n$ bandiul of serrpings of
horns obtained at a comb factory in each. hill at planting. On an:
other acre hard by of equing gial other acre hard by of equal quality,
on which no horn shavings wera on which no horn shavings wero
applied, the yeid was then 15 bush-
els. Did the large ammonia, furnished on the decay of this highly nitrogenous sub-
stanee, do no good in the way of angmenting the erep of four fold?
We shonld like to hear something farther on this inporitant subject,
fromi onr friend Prof. H, Gcirsee from oir friend Prof. H,-Gchesee
Farmer.

Farmers of Narth Carolina, stody your
vocation as a seience, and pursue it sya-

