in ancient or modern times, and he says-"The power of conduction is common to all substances and the question of discharge is a mere question of time. In some substances, such as the metale this communication takes place with extreme tanidit, in others, such as air, water, sheller, &c., the process is difficult and slow-so slow as to admit of such substances being considered as insulators." Again the progress of electrical discharge by combustion through metal in or other substances involves the idea of velocity, and hence Professor Wheatstone has, by a beautiful series of experiments, shown that the velocity of an electrical discharge is at the rate of 576, 000 miles in a second of time. Again aimos. pheric electricity when travelling along the elecme wires has been known to disarrange magnetto needles at the stations, and to prevent this an arrangement has been made at the posts nearest to the stations to carry the communicanxing on the tops of the posts points, which attract the atmospheric electricity when the current is passing over the posts, and carries it down the posts into the earth, while the outrent from the battery at the previous station is left to pass on its course unintersuptedly, for it will jump over spaces, as atmospheric electricity is known to do to take the easiest and most powerful conductor towards the earth, and honce I do conceive the telegraphic wires, and also the rails, carry off by conduction much electricity from the air, and thereby reduce the frequency and intensity of our thunder storms, W. II. WHITE.

-Mark Lane Express.

WATER .- Some four-fifths of the weight of the human body are nothing but water. The blood is just a solution of the body in a vast excess of water-as saliva, mucous, milk, gall, urine, sweat, and tears are the local and partial infusions effected by that liquid. All the soft, solid parts of the frame may be considered in son, and pairs fary precipitates, or crystalizations (to use the word but foosely) from the blood, that mether-liquor to the whole body; always being precipitated or suffered to become solid, and always being redissolved, the forms remaining, but the matter never the same for more than a moment, so that the flesh is only a vanishing solid, as fluent as the blood itself. It has also to be observed, that every part of the body, melting again into the river of life continually as it does, is also kept perpetually drenched in blood by means of the blood-vessels, and more than nine-tenths of that wonderful current is pure water. Water plays as great a part, indeed, in the economy of that little world, the body of a man, as it still more evidently does in the phenomenal life of the world at large. Three-fourths of the surface of the earth is occun; the dry ground is dotted with lakes, its mountain-creats are covered with snow and ice, its surface is irrigated by rivers and streams, its edges are caten by the sea; and squeous vapour is uncensingly ascending from the ocean and inland surfaces through the yielding air, only to descend in portions and at intervals in dows and rains, hads and snows. Water is not only the busis of the juices of all the plants and animals in the world; it is the very blood of nature, it is well known to all the terrestrial sciences; and old Thales, the earliest of European speculators, pronounced it the mother-liquid of the universe. In the later systems of the Greeks, indeed, it was reduced to the inferior dignity of being only one of the four parental natures-fire, air, earth, and water; but water was the highest in rank .- Westminster Review.

## A STATE OF THE PARTY OF THE PAR Agriculture.

POTATO DISEASE. - A correspondent of the London Times, adopting the signature of "An Lye to the Potatoes," in the course of some admirable observations on this subject, makes the following remarks:—" The potatoes again show unmistakeable symptoms of disease—the leaves and stems appear withered and burnt, and these symptoms were developed immediately after the ment thunderstorm of Friday week last-1'iose plants atono escaping which were under the shel-ter of some walls. The same effect was produced upon semo potatoes of my own, apparently by the same cause, while residing in Guernsey, some fow years back; and the present result tends to confirm me in an opinion which I was then led to adopt, owing to the development of the disease appearing to be immediately consequent upon the liberation of a large amount of atmospheric electricity, that the potato rot is due to the formation of uzone, which is an altropic or electric and more active form of oxygen.

Now, as the potate disease has been generally found to be the precursor of cholers, some of our chemical philosophers may be led to put the ozone theory (at least, so far as regards the pointe disease) to the test of experiment. Surely, nothing would be easier than to ascertain the influence of an atmospheric ozone upon a potate plant; and if it could be shown that all the symptoms of the disonse can be thus artificially produced, at least we should have advanced one step towards the discovery of a remedy for n, and, may be, afterwards, for that more terrible scourge, the cholora. Catarrhul complaints, I find, have been very general among my own fruends, since the late storms, and that this is an econic effect Professor Schonbein, to whom we two the discovery of the substance or principle itself, has placed beyond doubt. Dr. Faraday, too, tecently showed, by some experiments performed at Brighton, that ozone is generally present in the breeze blowing. Down is free from it. Those who have consulted Dr. Faraday's admirable map of the cholera in his late voluminous and philosophic report upon the subject, will not have failed to observe that the places where the pestilence committed the greatest havoc were mostly either on the banks of rivers near the sea, or on the coast itself; and that in the inland districts the scourge was comparatively powerless .- Liverpool Paper.

## Oriental Sanings.

THE STORY OF THE OLD WOLF, IN SEVEN FABLES.

## FROM THE GERMAN OF LESSING.

A wicked wolf who was advanced in years, formed the hypocritical resolution of living on friendly terms with the shepherds. He set out, therefore, and came to the shepherd whose folds were nearest to his den.

"Shepherd,' said he, " you call me a blood-thirsty robber, which yet in reality I am not. It is true I must rely on your sheep for a meal when I am hungry, for hunger pains me. But protect me from hunger: only satisfy my wants and you will be right content with me. I am truly the tamest and gentlest of animals, when I have enough."

"When you have enough! that may well be," replied the shepherd, "but when will you have enough? 11.

The disappointed wolf then came to a second shepberd.

"You know, shepherd," was his address, "that? can, throughout the year, kill many of your sheep, but if you will each year give me six good sheep, I will be satisfied. Then you can sleep securely, and dispense with your dog a thout frac."

"Six sheep" said the abephord, " that would be a whole flock

"Well, then since it is for you, I will content my-self with five," and the wolf.

"You jest ! five cheep; hardly do I offer more than five to l'an in the whole year.

' Nor four, either ?' asked the wolf futher.

The shepherd shook his bead scoffingly.

"Three!" " Two!'-

"Not a single one," was the final reply. "It would be listed foolish to become tributary to an enemy against whom I can protect myself by my vigilance.

"Three is lucky," thought the wolf as he came to the third shepherd.

. It grieves me to the heart," said he, " that I should be decried among you shepherds, as the fiercest enimal, To you will I presently prove what injustice they do me. Give me yearly one abore, and then shall your flocks be allowed to grate free and subarmed in youder wood, where none but I cause insecurity. One sheep? What a trifle? Can I possibly act more generously, more disinterestedly? You laugh, shepherd. Why do

"Oh, for nothing at all," "But how old are you, my good friend?" said the shepherd.

" What, does my age concern you? Law still young enough to kill your young lembs.

" Don't get angry, old leegrimm! I am exceedingly comfortably and with the less danger support your-

he went on to the tourth shepherd. His faithful dos was just dead, and the wolf availed hunself of this circumstance.

"Shepherd," said he, "I have quarrelled with my brethren of the forest, so, that I can never again be reconciled to them; you know how much you have to fear from them. But if you will take me into your service instead of your dead dog, I will answer for it, that they shall not even look askance at one of your sheep.

"Will you, then," replied the shopbord, " protect them against your brothron of the forest?

"Cortainly. What else do I mean ?"

"That is all very good. But if I receive you into my folds, pray toll me, who shall then protect my poor sheep against you. To take a thief into the houss in order to secure it from a thief without, that

"I have heard enough," said the wolf. "You begin to moralize. Farewell"

"Were I not so old "snarled the wolf. "But along I must adapt mys I to the times." And so he came to the lifth shepherd.

"Do you know me, shapkerd?" demanded the wolf-

"I know those like you, at least" replied the shepherd.

"Like met that I very much doubt. I am so singular a wolf hat I am well worthy of your friendship, and of that of your sheep."

"In what are you singular then !

plied the shepherd, "but when will you have enough? I cannot kill a sheep and then devour it even You and avarice have never enough. Go your should it cost me my life. I live entirely on dead way."