eling expedition, called it "scientific" to commend it to unties a handkerchief knotted around his hind leg, or around the intelligent, and came to New York city to set it in operation. College professors were interviewed, and their support obtained through the magnificent prospectus set forth, gle; a fourth waltzes in excellent time to music; and a fifth, most healthy season of the year. Very few persons seem to and a show of substantial backing was thus secured. The a magnificent cream colored animal, accomplishes an aston- realize the fact that cold is the condition of death, and that, preliminaries to chartering a vessel were begun, and then the mails were flooded with pamphlets replete with glowing descriptions, combined with gross inconsistencies and misrepresentations. The subscribers, however, who were ex- of dogs, one of which exhibits considerable skill as a rider every cubic inch of oxygen that serves to vitalize our blood pected to come forward and pay \$5,000 each for the privi- on a pad saddle. It leaps over banners and through paper must be raised by our own bodily heat, or life ceases. Since lege of accompanying the expedition, failed to appear, and the contract for the vessel expired by limitation.

The next step was to cut down prices, begin preliminaries again for a cheaper vessel, and send out a fresh batch of advertisements, in which misrepresentations were even more of the horse, and its prompt retrial in case of failure, seem frequent than before. This also met with no success, and to show that it takes actual pleasure in its performances. the projectors, finding that financial ingenuity and unlimited assurance were not as attractive as they imagined, sought in lar breed-a fact somewhat extraordinary, as trainers usually The death rate rises and falls with the regularity of the therthe person of Mr. John Roach, the well known shipbuilder, prefer to teach the intelligent French poodle. The perform- mometer. So many degrees less heat, so many more deaths, an indorser who would build them a ship, and by so doing ance opens with roll call, each dog answering to its name by and vice versa. In a recent fortnightly report Dr. Russell commend their wild cat enterprise to public favor. But Mr. a sharp bark. One animal then dances, two dance on their says: "The death rate in the first week of the fortnight was Roach was not to be so easily captured. He liked the idea of hind legs and seat themselves human fashion in small chairs, twenty-one, in the second week twenty-five. The mean tema scientific expedition, and was willing to help it by build- and others jump the rope. The most curious trick is one in perature in the former week was 40.8° Fah., in the latter ing a fine vessel on very liberal terms; but the projectors he which all participate. At the word of the trainer one of the '39 5°." He attributes the low rate of the first week to the evidently did not fancy, as he insisted on their placing the animals takes off its collar with its fore paws. As the collar high mean temperature of the preceding fortnight, which management in the hands of a well known banking house of falls upon the ground a little dog runs forward, seizes it, was 47.3°, and adds: "This is a good illustration of a law this city, and in those of a committee of parents of sub- and scampers away. Another animal pursues him, regains which we frequently observe in these reports of temperatures scribers-when the latter should appear. The adventurous the collar, and puts it on. The trainer then asks, "What and death rates-that a week of low temperature produces a couple, however, calmly disregarded this promise, and the ought to be done to a dog that steals?" No sooner are these rise in mortality the week following." result was another batch of advertisements asserting posi- words uttered than two dogs jump upon chairs, to which uptively that Mr. Roach guaranteed the scheme, etc., which rights having large hooks at their upper extremities are se- frequent cause of serious ailments than taking cold. What-Mr. Roach promptly suppressed.

Thus, after three trials, the Woodruff Scientific Expedithe hundreds of old steamers retired from service, now roton any terms, and the grant of an American register would them to get the ship "on tick." Accordingly, with unblushing audacity, which bears its falsity on its face, the a register for a foreign hulk.

based on nothing but speculation. To stamp it as representative of American science would be shamefully unjust to all who have the real scientific advancement of the country at heart, and discreditable to the nation generally. Concountry a participant in their jobbery.

dicate a degree of intelligence which is very remarkable. There are ten Broncho horses, a number of dogs, and a pair of Rocky Mountain goats, all of which possess accomplish- full gallop. The horses run side by side, and the goat on verted the once densely populated regions of central Asia It is stated that the horses were wild upon the plains three years ago, and consequently that during this brief period their education has been effected. In beginning the performances the whole ten are first introduced, and at the word of command they perform various military evolutions, such as cage now contains a dozen or so flying foxes-the nearest The fertilizing water courses have disappeared; massive marching in line abreast, in columns of fours by the flanks, living link between bird and brute-which eke out their in- bridges now span river beds whose floods have wasted; and etc., both at common and quick time. A handkerchief given to one is passed to the next and so on from mouth to mouth monkey-faced hen we described in a recent number con- tion rivaling in density that of the still fertile regions of of the ten; any one horse called by name steps forward, and each of his comrades in turn, and, crowding him out of the baby hippopotamus and the giraffes. The latest addi-yet in the afflicted region there still remain probably twice line, pushes him with his nose as a signal for exit.

accomplishments.

growing cities of the West, revamped the old idea of a trav- | flag of a given color out of three of different hues; another and pulls a string which fires a pistol attached to its surcinishing leap over a six foot gate and four horses placed side in both warm and cold climates, it is our unconscious effort by side against it.

> horse passes. Then as the horse returns at a gallop around bodily temperature becomes very often a difficulty too great the ring the dog springs from the platform back upon the for our strength, the advent of a severe winter is really more saddle. The eagerness of the dog in watching for the return to be dreaded than the visitation of a pestilence.

cured. A third dog picks up a cross bar in his mouth, car- ever weak place we have, whatever constitutional disorder ries it to the two on the chairs, and these lift it up and insert we be subject to, cold will surely discover. We take cold tion consisted of only its two originators, for the naval offi- it on the hooks. The trainer meanwhile slips a noose over because our vitality is too low to ward off the effects of the cers and professors who had been induced to lend their the small thief's head, and another dog grasps the end of the reduced temperature around us. As a matter of the first imnames by specious promises had long since backed out. But rope and drags the culpritto the gallows. The problem then portance, then, to resist cold and the various derangements the genius of the pair was still fertile. They remembered is how to get the rope over the cross bar, but this is quickly of the system consequent, it is necessary by proper nutrition settled by the executioner jumping over the bar with the to maintain our natural animal heat; second, to retain this ting in English docks. One of these can be obtained almost rope in his mouth. The hangman then pulls the cord, and heat by a sufficient quantity of clothing; third, to regulate lifts the struggling victim into the air, keeps him up for a with care the temperature of the air we breathe. Contrary probably obviate the necessity of any payments, and allow few moments, and lowers him apparently dead. A wagon is to the opinion current among lovers of cold weather, a fire now brought in and the hanged dog placed in front. Im- in a bedroom in the winter is cheaper and better than a mediately one large dog places himself between the shafts, doctor's bill; for, owing to our inactive condition during couple coolly inform Congress that there are at present no two more seat themselves upright on the seats, and another sleep, the circulation of the vitalizing blood is both slow and ships under our flag suitable for their purpose, and demand two push the vehicle from behind, and with the exit of the imperfect, and hence the danger of taking cold by breathing register for a foreign hulk. Inter this fittle merourania, which is purject and the program of everything that is bad. If any one conscious of having caught one feels cold chills creeping the caught o

when the stupid, phlegmatic nature of the brute is remember- doing he may avert a dangerous illness before it is too late gress should promptly throw out the bill and leave this pair ed. Yet they leap upon the backs of horses, ride around the and medical advice can be procured. It should never be forof speculators to invent a scheme which will not make the ring at full gallop, and are not displaced even when the horses gotten that "Heat is life-cold is death." take flying leaps over high fences. One of the goats emu-

lates the dog in leaping upon and from a platform; but the EDUCATED BRUTES AT THE NEW YORK AQUARIUM. solemn manner in which this is done, and the pertinacity neath him, are very ludicrous. A remarkable act performed or severe. by both goats is circling from one horse to another while at

really wonderful specimens of the brute creation. A large history of civilized countries.

"HEAT IS LIFE-COLD IS DEATH."

There is no greater fallacy than the opinion held by many. that of another horse; a third jumps over a gate, then turns particularly the young and strong and vigorous, that winter -especially a sharp, frosty one, with plenty of snow-is the to maintain our bodily heat at a temperature of 98° that The exhibition of the horses is followed by that of a troupe wears us out. To this temperature, called "blood heat," hoops, and finally springs upon a platform under which the in cold weather the maintenance of a sufficiently elevated

The saying, "Heat is life-cold is death," has a striking illustration and confirmation in the reports now regularly The troupe of trained dogs appear to belong to no particu- submitted by Dr. Russell to the Glasgow Sanitary Committee.

In our climate it would probably be difficult to find a more

The accomplishments of the Rocky Mountain goats-large up the back, let him apply a mustard plaster to the bottom white animals with enormous horns-are the more curious, of the spine and lower part of the back at once; and by so

.... THE LESSON OF THE CHINESE FAMINE.

In the northern province of China seventy millions of There is now on exhibition at the New York Aquarium a with which the goat refuses to jump down until the horse is people are starving. Famine is no infrequent visitor in those collection of trained animals, the performances of which in- placed in what he considers exactly the proper position be- parts, but never before has abject want been so widespread

For centuries the sterilizing influences, which have conments sufficient to fill up a long and interesting programme. one places his fore feet on one pad and hind feet on the into a vast desert, have been reaching eastward. During other; the other goat does the same. Then they follow each the past two hundred years the desert has been encroaching other in a circle, passing from horse to horse and back again. upon northern China, the regions now afflicted undergoing The Aquarium is rapidly accumulating a collection of in that time a climatic change almost without parallel in the

verted lives hanging from the top bars of their prison. The everywhere the traveler finds evidence of a former populastantly attracts a curious crowd. A huge rattlesnake has re. South China. Repeated local famines and civil disturbances finally the act is closed by one of the number, who goes to cently been added, and divides popular interest with the resulting therefrom have greatly thinned the population; tion was a pair of young chimpanzees, captured in the as many people as there are in all the United States. And Each horse is then introduced in turn to exhibit his special northern part of Africa, one of which has since died. The these are not only starving, but are almost hopelessly beyond One walks up and to the middle of young male had the look of an old man, and the resem- the reach of relief from without. Formerly the deficiencies a balanced board, and there by moving his fore feet oscil- blance was ludicrously enhanced by the grave manner in of northern China were supplied from the south by way of lates the plank, accommodating every muscle of his body to which he sat and regarded visitors, while placidly pulling the the great canal, extending 650 miles from Soochow to Tienthe movement. Finally he retires to one end of the board, tuft of white whisker under his chin. The female is covered tsin, on the Peiho, near Pekin. For a thousand years this bearing that extremity down and leaving the other high in with long black straight hair, especially about the head. She was the greatest artery of commerce in the world; but it the air. A second horse now called in puts his nose over is the least ugly of the two in face. We shall probably pre- lost its feeders, and became for the most part unnavigable,

the elevated end of the plank, forces it down until he can sent a picture of this interesting pair before long, as they when the Yang-tse-Kiang shifted its channel and found a plant his fore hoofs on it, and then mounts thereon. The are the first of their species ever brought over to this new outlet three hundred miles to the north of its old one. curious sight is then presented of two horses at the respec- country.

It is hardly necessary to add that with the splendid collec- ing crops, with scanty means of internal communication, tive ends of the "teeter" gravely swinging each other up and down. The difficulty of teaching all this to an animal

Professor C. V. Riley.

tion of rare fishes, in addition to the above named attractions, and subject to a government that has not the energy to comso careful as to stepping on insecure supports as the horse the Aquarium just now is an exceedingly interesting place bat so dire an evil, even if it had the power, the stricken region must bear its affliction as best it may. Millions must die, while the rest of the world looks on appalled by the mag-

Thus cut off from its only source of relief in case of fail-

nitude of the disaster, yet impotent to relieve its victims.

We understand that the present entomologist of the De-To the world it is but another illustration of the pitiless great care), and the rolling of a barrel over the whole length partment of Agriculture is about to retire, and that the sequence of material cause and effect, against which the Commissioner contemplates calling Professor C. V. Riley to prayers of 70,000,000 human beings have no more influence some undertaking to get a horse to do anything with his that post. Professor Riley is well known as the Chief of than the cries of as many insects. Will it be anything more front hoofs which involves raising them to any height, but the United States Entomological Commission charged with to China? The experience of civilization has been that the here the animal plants both hoofs on a barrel and rolls it up the study of the insect pests which have devastated portions surest means of averting famines are found in good and one side of the balanced board. Then as the latter swings of the West, as State Entomologist of Missouri, and as an abundant roads. No failure of crops, however complete, over the horse catches the barrel with the rear side of his exceedingly able writer on all entomological subjects. His could create a famine along a line of railway, nor in a counhoofs, and walks down the steep incline holding the barrel labors in this field have been long, arduous, and fruitful, try well supplied with such means of quick communication. back. There are several tricks commonly performed by with many contributions to knowledge. The Commissioner In tearing up the first and only line of railway in China, the trained horses in circuses which these animals execute with could hardly find a scientist more thoroughly suited to the government has but lately shown its hostility to this instrument and safeguard of civilization.

is can well be imagined. Perhaps the most remarkable feats to visit. accomplished on the board, which is quite narrow, are the turning around of a horse (who stands directly over the fulcrum, and is compelled while turning to balance himself with of the plank. Trainers find that it is an exceedingly troubleremarkable readiness and accuracy. One of them selects a position above mentioned.