SCIENTIFIC MISCELLANY.



How it is possible to measure wind
by its sound has been told by Prof. Carl Barus to the Natural Academy of Science. The whistling of the wind an
it erosses a wire varies with the ve
locity, and this can be computed by locity, and this can be compated by
the pitch of the note observed in case or a iven liaweter or wire and for
given air temperatare. A special 1 i.
crometer attachment can be made to converer the sound, isolated from other
noisea, to the observer at a distance. Every kust and variation of the wind can bo studied in this way, and an
idea of the direction of the gust cal
te tan be mad from the souns right angloe t
three wirestareed at
one another. Micro anlmometry the name pro
this method. Inoculation with gradually increased
doses of venom to induce inmunity
from snake-bites has proven very suc. cessful in late experiments in India,
but it is now pointed out that this is
probably no new achievement. The
phe ers is evidentily due to the fact that
these indiviuals have survived acei-
dental bites from cobras and karits, being thoreafter proof against fur
ther bites. A Mahowedan fakir, wh
ta him, seems to have been similarly pro-
teeted by a previous introduction o
st and he was seen to be etung by severing
scorpions after preautions making
deception practically impossible, the A substitute for natural skin for
wounds, which is entirely absorbed
during the healing process, is made in Germany from the muscalar. coating
of the intest nes of animals. This is gested in a pepsin solution, the
treated with tannin and gallic acid. marble in the work-shop by an imita
tion of Natures processes-coloring
with mineral stains, and hardening with mineralizta in a suitable bath.
and erystaling
Strenge sounds of nature have at tracted attention in all ages. Un
taught man gave a superanatural in
terpretation, and heard battles of the terpretation, and heard batties of the
gods, vices of miraulous meaning
the eries of mysterious hantsmen, the barking of dogs of the air. Some of
these ounds are becoming better un waves of sound from a single impulse
have the property of putting othe effect and producing a t melodies of the cave of tsaffa are due
to the pattering of water-drops; the joyous ringing of
desert is supposed
effect of extreme dryness in vibratin the organs or hearing; the music o
harp or organ is in some places-as in
Tartary and vibrations set in motion by wind and
an on $a$ rocky coast; the musical sounds of a rock on the Orinoco begin
at sunrise and are aseribed to changes of temperature; the bell-tones of a
rock in the Red Sea and thunder-like
noises in the region of are caused by the rolling of sand
sand
and -like the "Devil's voice" of Ceylon which passes from place to place on a
clear night, sometimes as the bark of $a$ dog, again as a mournful huma or dryness. Accounts of artillery-like H. Darwin, the British physicist, who would have their geographical distri-
bution determined as the first step toward systematic investigation. The "Barisal guns" of the delta of the
Ganges-dull sounds often heard there, and more or less resembling distant given from $\mathbf{M}$. van der Broeck, of the Museum of Natural History, of Bel-
gium, mentioning the similar and pretty common phenomenon of the Belgian coast known
fers," or fog dissipators. M. van der
Broeck believes such noises to Broeck believes such noises to be
widely distributed, but overlooked discharges of guns. The detonations the day time when the sky is clear and especially toward evening on a hot artillery, blasting in mines, or distant noises as peculiar eleetrical discharges; graphical Survey, thinks their origin may be subterranean-suggesting
wave beats of the earth's fluid in- how to wake a dead town.
terior.
A physician asserts that 99 per cent Some Wiso suggestons trom a wostera
of what are termed colds are nothing of what are termed colds are nothin
more nor less than the poisooning of
the wucous wembrane by impure Mueh is expected by M. Paul
'Humv, a French naval engineer, results from his experiments in the
couversion of petroleum and other oil
into a solid mass suitable for oil with ocean vessels. By winging the subuitting the mixture to beavy pres
sure, he has succeeded in obtainiug can be made in cakes of any size and
shape, that cannot evaporate or cause explosion, that is unaffected by heat less, and that burns with intense head draught is required, and the combu cent of ashes. The cost per ton i
stated to be not more than $\$ 5.00$ to 10.00, while it is affirmed that a to
of this material will equal 30 tons o coal. If all these advantages can be
realized in actual, every-day experi-
ence, the inventor has good reason for his prediction that the new fuel wil propelling warships and other steam
vessels, as well as greatly influence The World's Fair of 1900 will requir for lighting, according to a paper t
the Society of Civil Engineers o
France by M. G. Dumont. At th horse power was necessary.
showing machinery and apparatus i
motion, 350 horse power was used i
$1855 ; 635$, in $1867 ; 2500$, in $1878 ; 5500$, i 1889; and it is estimated that 8000 wil
be needed in 1900. Electric powe suming 70 per cent total efficiency, the gines is placed at 28,000 , reduced to
20,000 by alternate use of power dur ing the day for motors and at nigh
for lighting. For the 180 days of the Fair, an aggregate of $38,520,000$ horse
power hours will be furnished, at an
expense, it is calculated, of about $\$ 1$, expense,
380,000 .
In Berlin, the central stations sup
ly current to 146 motors, using a fo
printing presses; and to for miving motors,
aggregating 834 horse power, for runLiquid air is now an article of con
value not only for refrigeration but a
a source of oxygen. In the liquefac
tion, nitrogen is eliminated until the

## Josh Billings Appliod to Gene Field. The death of Eugene Field recal

he tribute paid by Josh Billings t
artemus Ward when that gentle hn morist passed to his long aceount.
may be fittingly applied to Field: Deth seldoum is imparshall; this is a
that can be said in his favor. H moves his sithe all round the world
now in this field, now in that; wheat flowers and weedsdrop, wilt and with-
er, for he sithes early and late, i city and town, by the hartstun an "Deth has done a cruel thing lately mother, a wee small thing but month old, on a visit; there Mary and
Charley go down in white elothes Deth mows; menny fields are all bare
for Deth cuts close as well as cruel. "Deth luvs to mow; 'tis his stile
"Dent He is old and slick with his sickle; $h$ of yesterday.
Deth mows strangely; all roun
all the daisies and grass, and alone snarling, stands the koarse thistl eft for what! Deth kant tell, for Go
"Deth, you have done a cruel thing wittiest one of all stood, whese the have gone, laffing all over the world,
whose heart was az good and az soft az a mother
"Deth you have mowed where my
friend Artemus stood, and humor wears mourning now for the child

ed; announce to the world that your
town is there, aud let every soul that enjoys the town's privileges be instructed to talk oat in meeting. in the country, in other cities, overywhere,
that your town is awake, and that it is the place to live in and invest money in, and that your people are enter-
prising and full of push. Sometimes it pays to engage an experienced procan only aid in securing industrial enterprises. While South early this yoar 1 had the pleasure of meeting several distinguished gentlemen who are do
ing what the Manufaeturers' Record is accoruplishing and advocating, viz, come South It looks like the capitalinte and settlors wore doing it with
a good will. Gov. W. J. Northen is doing good work, so also is Hon. J. L. Hand, of Pelham, Ga. I believe Sena-
tor Hand will suecoed in securing the tor Hand will suecoed in securing the
loeation of a large sanitarium and helocation of a lorge his town, Pelham. Judge oseph Tillman, Of Quinan, Ga., upbuilding of the South. E. M. Ramph, of Marshallville, Ga., is do
ing great good in settling up his see tion. But these men are to be ad-
mired for the stick-to-it-iveness, which mired for the stick-to-it-iveness, which ready crowned their earlier You lead off and make an effort an
try what you can do, as we nev

I will tell a true story here about an
tactory badly, and concluded that a would be the ideal for their quiet up the idio and give the idler work, grocery bill. The chairman of
meeting was directed to write t Indianapolis firm for the cost of a
complete "mill" The letter answered; and in a few days a reply came
from the chairman that $\$ 800$ was all the money the town couid raise, and if they had the $\$ 1500$ demanded for
such a "mill," what in "hades" would
they want of a saw mill? I felt sorry they want of a saw mine Iown, for there were a few en-
terprising spirits there, and I trust terprising spirits there, and I trast
that that kind of luck will not deter othors from trying, for where there i
a will there is a way. Now get to
work and find. G. W. Cross.

One of the interesting things abou is the celery, farm of Mr. W. W. Phicity, between the Carolina central railroad track and the bed of the old
Phifer's pond and has been worked up to its present state of perfection
only after several years of toil. ture of this farm is the system of irri-
gation devised by Mr. Phifer. On of irrigation and one that can be adopburg. Farmers who have secn it hav irrigation and it will not be long until the Phifer system will be brought into use in different parts of the coun-
y . Mr. Phifer's farm is planted this ear in 60,000 plants, and he vill have celery on the market Thanksgiving. or market in this section.-Charlotte

## all Free

Those who have used Dr. King's
New Discovery know its value, and portunity to try it Free. Call on opportertised Druggist and get a Trial
Bottle. Free. Send your name and ad-
dress to H E Buckon \& Com o, aud get a sample box of Dr. King's
Vew Life Pills Free, as well as a copy structor, Free. All of which is guar-
anteed to do you goo and cost you
othing. For sale at and anteed
nothing. For sale at and 0 M. Royster's
Drug Store.

## about the Mysterious Eel

Good gracious! Just listen here to
the Shelby Aurora. This elucidates the eel question
A large eel weighing nine pounds
was brought to Shelby Tuesday by
was brought to Shelby Tuesday by much attention. Robt. S. Ellis was chosen to skin the eel which he did with dexterity.
Eels are a strange fish, and not without mystery eJncerning its life-history. The wide gape. long projecting lower
jaw, round eylindrical body with flat and long tale, without scales, its stealthy habits and winter somnolence, its blood poisonous to the skin yot not
njurious to the stomach, are some of its characteristics. Many do not know that the eel that lies in the mud in the
day-time often travels on land and migrates it

WOKER STORIES When Denver was but a small place players. There was that time by the natue could handle the Jerome B. Chaffee States Senator with Cook a goors who used to play little scheme they could have time get a champag who had plent caught in a good Cook had opene
theinselves that they played with show him a
in a hury.
The scheme was to o make six
a pair he wo
to call him, m
have the lauk
after giving him back
of the por, make him set up the chaiuy mad to lose a por
size and thoy kne a large on
bounds.
The day Were all togethor in look: office, and while a way
storny one
little dreami
cards
play
open opened a jack adeyed on a pa
for three cards then dawned upon got four aces. thing must be up, but he did not qu
grasp the situation. Chaffee cal raised him and they had it back forth. The others drel
several rounds just to The betting continued until at
there was an even $\$ 10.000$ in the when Chaffee called him show down his cards. Cook
four aces and a jack on the table started to rake in the pot. The
who had dealt objected, stating he saw Cook have si that they saw him havesix at ords
"Prove it then"" cried Cool " not deal; you dealt, at
six cards, where are "Chaffee and tis co inaugurated the most rigid search for the missing jack. could possibly get. They made disrobe, which he di
tion, and subjected
most rigid examination most rigid examination, but the e
could not possibly be found anywh an admiral talked too

## Admiral Kirkland, his way home from the European Admiral Selfridg <br> swer certain charge will prefer against <br> the penalty and perhaps <br> The admiral wa <br> command because statements regardin affair, and his letter to President Fagre, to President Faure, authorized on the mander of the United Europe. It is also said now the has been insubordinate has shown a dispos restrictions which tions plaeed o <br> language to the

Twenty Years Proof. Tutt's Liver Pills keep the bow is in natural motionand dites An absolute cure for sick headach dyspepsia, sour stomach, "Can't do without them" R. P. Smith, Chilesburg, writes I don't know. I have ha
do without them. Liver disease for over twen
years. Am now entirely curec Tutt's Liver Pills

