sCientific topics. cunfen rnotrsor piscovenr
 That ins siven now



 pull up a h ltue harder on the relus,
When ths Hinks alle out and cause a
pressure on the horse's palate and venting hlm taking the bit in his teeth,
and at the same time the curb presses

## $0 \rightarrow 0$ <br> 




## cer.




 A., .. Of all phenomena of nature there
is none so profoundiy impresive and
and sun, and a trip to those regions of the
country through which the shadow of


In his evenling address on "The Ce tenary of the Electrio Current," deliv-
ered betore the British assoclation,
Prot. Fleming referred to Hertz' proot
竍 hat electrical energy conld leave a rod
in whth a rapid osellatory current
was set up, and could travel with the
spect of speed of light outwards in all direc-
toms. It existed as free radiant or
wave energy In the ether after it left
the radiator and before it reached the recelver. Both optical and electrical
phenomena phenomena had compelied the assump-
tion of an imponderabie material which
could be the vehtcle tor energy in certain forms. The aim of physical in-
quiry at the present time was to de-
vise a theory of the ether, such that Vise a theory of the ether, such that
from the simplest possible assumptions
could be deduced the facts of electrlccould be deduced the facts of electric-
ity, magretism and optics.
$\qquad$ mond at Retfonteln, in August, 1897,
there has been a considerable develop-
ment of the diamond industry in the Transvaal, and in 1898 the output
amounted to 11,025 carats, valued at
s43,151. The largest stone found there this year welghed $381 / \mathrm{carats}$. . The
average value of the diamonds in the
Pretorta per casat, those found at Kimberley
at $\begin{aligned} & \text { ac..33 per carat and those occurng } \\ & \text { at Jagersfonteln, in the Orange Free }\end{aligned}$ at Jagersfonteln, in the Orange Free
State, 8 8. 27 per carat. The area of dda-
mondiferous ground in the Transvaal is very extensive, but its thickness is
not considerable. The weight of the
The svan in 1898 was 22,843 carate, valued at $\$ 212,812$.

 $\substack{\text { ouer zei } \\ \text { zourale }}$
 name, in the center of whlch is a
smail representaton of Hancock's "In-
fant," a steam wagon bult in England
bout $183{ }^{2}$.
 companies with icemaking and refrlg.
erating machinery. Is addtition to the
usual cooling rooms and lcemaking lant, two of the staterooms are cooled
artifelally. This is said to be the first case in which staterooms have beea
cooled with the ald of refrigeratis.

Two parts of sweet oll and one of
vater will relieve sunburn.

others and will often settle a vexed
question of economy, sott shades are
becoming to all, vivid colors are for the few. 1 heard a young woman ob-
ject to a scarlet throat ribbon worn by her friend because it took away what
Intile warmth there was in her rather
pale face and suggest something mor
 gainst the majorty of faces, it
was relleved a bit at the throat with
white white you would see a vast change for
the better. There is much art in dreas ing the neck. The long throat needs
high collars, broad ritbons and many
folds, white the short one can stand but a mere line of any of these things, away every partucle of style from the will give a touch which transtorms
her. This adapting of the fashions to
 cause a high coitrure is constdered the
anme of fashlon should not be a reason
for the women for the woman who is handsome in
low one to change. Such a change
might transform her into might transform her into a very or
dinary-looking woman. There never
was and never will be a style that cannot be modifiled to everybody's needs-
the manuer of dotug it is the sticking point. Have you never been puzzied
to thi fust what made one woman
stylish and stylish and attractive, whlle her netgh
bor, prettier, perhaps, was notiteable
for nothlng but neatness? it anlgh

## Crimmed with bands of white eloth, edged with purple vevet. The guimpe

 ble applique bowknots.Farnth the Kictien.
It is a mistake to lavish money on
drawing rooms and sacrifice the kitch-
n. Kitchen utensils are of the first Kitchen utensils are of the first
mportance. The cook cannot do her
 costs little. New ollcloth for the floor,
table and sink ls cheap and ads im-
measurably to the contentment of the mald. An attractive kitchen bespeaks
he good housekeeper. It Is easier to
convince the servants of the desirability of keeping it clean. Neat tin
and wooden boxes with labels are a deightrul acquisition to the kitchen
losets and much more pleasant to handle than teaky paper bags. Col-
ored paper with plnked edges for the
helves will work wonders for the general efrect and a growing plant or two
Ives an alr of luxury which surprises those who have ne
land Plain Dealer.

Thene Unktnd Yrienack.
wonder what made Mabe
when she found she was under the "Possibly her whereabouts was in
danger of goling unnoticed."-Stray


The Landlord-"Auntle, I will hav to raise your rent."
Aunte "Woll, dat's pow'fut
goou in yo, Mistah McGuire, cos to do de
Lawd, I done guv up all hope uv eval Lawd, I done guy
raisin' it m'selt:"
 every ro
house."
"What $\qquad$ "The women put their feet on the
mantel?"
"Yemen "Yes, they are made expressly for
them- Just 18 inches above the floor."
-Cleveland Plain Dealer.
"You scem much upset, my goon
man."
"Hupset! I should think I am hup.
set. $\begin{aligned} & \text { Our blessed kid'u Just set "laself } \\ & \text { on fire, and blowed if the missus and't }\end{aligned}$ set. Our blessed kid'd just set "lasself
on fire, and blowed If the missus ain't
been and put it out with my pot of beer
an me stoney broke, too."-sketehy
Bits,


"Eut," we urged, "hite is not ail joy
Do you do anything to fortify the
$\qquad$ miled a sad, hanuthe smite
"Yes." nhe answerct the
Sut dintinctly, "wo teach them how to.
weep without making their nosen relt".
Here, agaln we Here, again we were renanded how
vastly the scope of education hat widened since the days of our youth.-
Detrolt Journal.

What on earth are you bringing all those umbrellas in here for?" asked
Mrs. Van Fashion, as Mr. Van Fashoilon
putfel puffed into their bedroom
ful of raln interceptors.
due tonight." "Yea, and you are atrald the guests
will stal them, are you?" "Not at all. 1 am afrald they will
recognize them."-Life. "It is really wonderfut:" mused tho deep thinker, "how a thing or an en-
tity will have It beginning, run ts
course, and end exacty as it began. You follow me, 1 hope?"
"I think I doo" sald the worldy one. "I think I do," sald the worldy one.
"For instance, a man wil get a jug.
Immediately a jag is developed. Then he may produce a jlig. and very 11 kely
he'll wind up in the jug."-Philadelhe'll wind un
phia Press.

The cannlbal's captive now had reourse to argument."
"In a hot country," he urged, "strictyegetable diet is conducive to longevity,"
"Whose longevity $\%$ "demanded tho
cannibal, with a lout, Inmulting laugh.
In In the with a loud, state, manting sengeng of
numor is often atronger than his sense
hum humor is otten atronger than his sen
of propriety.-Detroit Journal.

Deteeted symptoms of Moftensuk
"I think Im makigig some headway," sald the peraistent love
in tavor with ber tathe
Bicked you out whenever he found you at the house.
"He d doos, but inve noticed that he
is not klecking nearly so hard of late. 1 feel sure that he is gra
ing."-Stray Stories.
signe of the Timest
"Signs of trouble down in Cuba,"
read the hat drummer. "I noticed it when I was there", re-
marked the correspondent. $\quad$ Beer
signs were becoming more conspicu-
ous every day."-From the Chicago Datly News.

## guostons of plot. a vegetarian?"'

"Yes; by proxy. 1 have always in-
sted that cowa and other food antsisted that cowa and other food ant-
mals should be strictly limited to a
vegetabie diet."-Washington star.

Tralning the Bobly.
OM, ma, come up here quick."
"What's the matter, Tommy?"


"ning in New York,"
"People with New York streets to
Now
cross will do weil to crosa
Cleveland Plain Dealer.
Comparativelr Went Prooervod.
"Waiter, this steak is bady burned."
Yes, air: but you Mes, arr; but you hadn't oughter
mot one broilled that man over therofs a criap, sir." $\rightarrow$ Do-
grot Free Press.

