

 antensor, "but it omitted one import-
ant polnt which was explatined to me
by a member of the smill by a member of the Smithsontan stant
the last tme I was in WWahnington.
The tme observatons at the direrent
otservatories, by which the sitandard The time observatons at the dirferent
observatories, by which the ntandard
is estabilishod, are taken by noting the
exact finstant at which some certain exact tnstant at which some certann
designated star crossea a Hine on the
object glass of the teleacope. The instrument is pointed at the star, and
as aoon as tit touches the Hine the ob-
server pressen a button that makes a mark on the slowly revolving makes a
The cynder.
The cylinder is divided into corremponding to minited indo spaces
and the mark consequently indicates. the precise fraction of tme at which
the star arrived at a given place sky. How that is checked against other observations, theken at different
localities in exactly the
 non-scientite man tt woul
seem absurd to take account of suet
infinited calculations they are but in dellicate ant. Not long ago an inatrument was
buflt that records the exact speed of brain imputso in ofiferent people. The
subject is told to press a buiton as subject is told to press a button as
soon as a figure appears on a dial, and
It takes the average person nearly halt a second to do no. That tntervat, re-
autred by the nerves to do thetr telequired by the nerves to do their tele-
graphing from the eye to the finger tip is now taken into conslderation in
making the computatlons for standara making the computations for standard
time. By falling to allow for it in the
past, the chronometers baye been tin error from five to ten seconds a year.
The detail if curiously impressive, because it shows what extraordinary
palns are taken to secure absolute ac-
curacy.-New Oricans Times-Demo-

## Whe we atoomy Nationt What is the matter with the por

 In our streets? Do you notice howgloomy all their faces are? should you see a man or woman amilling or
laughing on a New York sidewalk would probably say to yournelf:
wonder what 1 is wy non," Such laughter as one hears is usually aroused by the quotation of
some more or less stuptd joke, or more trequently by a mlafortune that has
befallen a tellow creature beralien a rellow creature. If a man
allps on a corner, falls or bumpa his
head, that becomes for the time belng a cheerful corner in New York. But
we don't seem to be able to find any cause for cheertulness in bright sun-
light, or blue skies, or any of the othe little blessings which Providence be-
stows upon us. What is the matter stows upon us. What is the mate
with us? There is plenty of gayety in
France, in Germany, in Italy Then France, in Germany, In taty, There
is even a httle in England. Why should this nation be so gloomy? Do
we live too fast, work too hard? What Is it? if we keep up our gloominesa
shatl we not be a very ugly race in a rew more generations? Let us try to
cheer up and be gay. This is not such
a bad world after all. We are not all of us atarving to death or in danger belng eaten by
New York Journal.

Notys Foz.
A dear old lady
from the country went to London to visit her marrio
daughter, and came back with wonderful experiences. London did not show Its best face to the simple country-
woman. It was enveloped in fog durtag the first two or three days of her visit, and as her bedroom looked out
upon the rallway, she was troubled by the very necessary nolse of the fog-
signal. She came down to breakfast after her Arst restess night, an anxloualy inquired the cause of the
strange banging she had heard so otten durlng the hours of darkness. "Oh. that was due to the fog," explained
her son-In-law, and as ahe asked no
further guestion he let the subject further guestion he let the subject
drop. Her vilit over, the good woman
returned to the wonderful sights and sounds of country life. "Dld you see a Lonnen fog, granny"" asked one of her listeners,
as granny expatiated on the strangeness of the great elty. "Ay, that I
did,", replled granny; "and I heard 'un. another listener. "How didst hear a
fog?" "Why." answered the old lad in perfect sincerity, "Lonnen fog balnt
ike ours. Every now and then it goes Earth shiverings and Earthquake Echoes committee presented to the meteoro-
aritish assoch oogical section of the British assocla-
tion, Prof. Milne gays minute shiver ings of the earth recur on the
average every halt hour, but the
heny swell does not occur oftener
than atout once a week. The
minute siliverincs and the larger disturbances are properly both earth-
quakes, but they differ in their charradiate, their life becomes less. An
earthquake diaturbance is often followed by repetitions at definitt inter-
vals, but with derensing intensity. vals, but with decreasing intensity,
These rythmicat decreasing itmpulses
are provisionally termed echcea.

