Will This Really be the Fate t the Earth?

The Famous French Priest-Astronomer, Abbe Moreux, Says That the Earth, Which Once Blazed Like the Sun, Is Slowly Contracting and Losing Its Shape, That It Is Doomed to Go Through "Terrific Convulsions," and. That Much of the Present Land Surface Will Sink Into the Sea Before the Sea Itself Dries Up.

HEN violent shocks | with my friend Col. du Ligondes, have like those that have succeeded in accomplishing in these been felt in the last last few years. In 1902 1 indicated few weeks come to just what might be drawn from the menace some point sketch made by Green to explain the on our planet, rulu- theory of volcanoes and earthquakes. A few lines will suffice to make the

The earth is round, of that there is

The Terrestrial Globe.

ing cities and spreading desolation over extensive districts, our uneasy reader understand the hypothesis. minds interrogate science and demand of it the solution of a problem that has no doubt; its rotary movement has swollen it at the equator and flattened been mooted for many centuries. Let a violent earthquake be felt and imit at the poles. Such is the general formula which has now become clasmediately powers and states in a burst ing closer to each other; dissensions reached the condition of a balloon will give place to anxiety over the from which the gas is escaping little common peril, and wa all worry about this life of ours that is periodically threatened by the instability of that and four apexes. element which we dignify with the pretentious name of terra firma!

Since December 28 geologists and of the faces are represented by deastronomers have submitted to many an interview. The explanations given the Atlantic ocean and the Indian by the former have often seemed in- ocean. To these depths correspond sufficient, while the latter have generally avoided the subject. It may of the apexes of our pyramid, which seem presumption on the part of an became prominent very early, as the astronomer to go to work in territory vast layers of primeval rocks bear witreserved for geologists, but to what ness. These are the Canadian height, science should we have recourse for the story of the earth's past. Has not the center of which is found not far the astronomer always before his eyes from Irkutsk. From these three apexes thousands of suns at all periods of radiate, like continental backbones, their life? Does he not know that branches which, with more or less inafter having shone for a second on the terruption, continue to the South Pole. clock of time our sun itself will become extinct and will roll on through known that the fourth face of the space like the dead suns of the Milky Way? Better than geology, then, astronomy is the science which projects | tinent forms the fourth apex of our the light of present times upon the

mysteries of the past. Millions of years ago our humble apexes, which have remained stable little earth shone with its own light, | throughout the great geological peria blazing star; it also warmed its ods and have formed, so to speak, the satellite, just as the sun to-day dis- skeleton of the dry land, that what

phenomenon of volcano and casth- from the water. But the line which quake by the process of the contract Father Moroux calls the American tion of the earth. And we shall see ridge, beginning in Hudson bay and how experience absolutely confirms extending through the West Indies and this theory

on which we marked the ridges and continent and follows the general line location will be easy to recognize. Vol- the great lakes to the Gulf of Mexico, canoes, old or new, are all grouped forming as it does one of the areas of around just those points that mark least resistance, will be submerged. the limits of the broken parts. As this is on Mercator's projection, the sphere spread out into a plane, the three ogists tell us that the city lies on the ridges of the pyramid have become, edge of an enormous fault, the Palilike the meridians, parallel lines, sades of the Hudson having been thrown Alongside the great American ridge up by some giant organism of nature an uninterrupted volcanic line is seen. Around the second are grouped the dropped, the actual line of breakage volcanic districts of Iceland and Jan being the bed of the Hudson. Any Mayen, the extinct volcances of An- further shock at this point would in vergne (in France), the volcanle re- tensify this life of the Palisades and gions of Sicily and castern Africa. A this drop of the land to the east of third line, which joins the first by them, so the prospect is that some day way of the Aleutian islands, surrounds the harbor and the Hudson river will the third ridge, and this is made up of tise and engulf the city. the volcanic regions of the Kurile

New Zealand.

Unite at South Pole.

All these files of fire unite at the which is the Antarctic continent, the beyond them. Many of them are eviborders of which show us also signs of dently volcanoes, quiet now, so far as the same kind, with the volcances Ere- those in the United States are conbus and Terror.

noticed that the three great ridges of vast extent would lift them even high the pyramid tend toward the east, er, and all the prairies would sink into This is due to a well-known law of me- the gulf between them and the Alle chanics, which provides that every ghanics. planet which diminishes in volume increases its speed of rotation. The by an ocean separating the Pacific three great apexes or summits of the states from what is left of the At northern hemisphere arose very early, | lantic states! and as they were further away from

South America to the south pole, is, Let us take up the terrestidal globs roughly speaking, the backbone of the the apexes of our pyramid. Around of the Appelschian chain. This part these resisting points the continents of the country is destined to rise even have been formed and the lines of dis- bigher, while the central plateau, from New York's Probable Fate.

And what of New York? The geol while the land to the east of them closes the clam. Cities have these eschews cucumbers-for a while. the law. They procured a copy of the

The Rocky mountains, while com islands, Japan, the East Indies and paratively distinct from the principal ridge of the continent, are, in a sense a duplication of it. They were thrown up by a fearful cataclysm, which left south pole around the fourth apex. The depths of the Pacific in the hollow cerned, but still active in Mexico, Cen But this is not all. You may have tral America and Alaska. A shock of

Thus will the union be disrupted-

Shall we live to see it? Who can tell' of spontaneous, instinctive brotherhood sic. But its volume diminishing from the center of the earth than regions These cataclysms come without warn and among them David Cobb, the vilfeel, as it were, the necessity for com- the effects of cooling, the earth has further to the south they, for this ing, but it is reasuring to remember lage carpenter. reason, dragged behind; and so all the i that they come at intervals of tens of Cobb was sore smitten with the bet-



EUROPE AS PREDIGTED BY MOREUX RELIEF

southern part of the globe accelerated | thousands of years, and that the earth penses to us its light and fts heat; may be called the slow revolutions of its rotary movement in respect to the has not yet cooled to a point at which but in its dizzy course around the sun, the globe will continue to take place. northern part; hence, a dislocation living persons need lie awake worryin its intersiderent voyage among the All the general phenomena of the sur- which caused what geographers call ing in dread of the giant spasm that



The city had had an attack of sewing we would all be turned out in morality and all gaming houses and the road for we owe two months," and bookmaking offices were closed up as she held up two ten-dollar notes.

edict and scrutinized it as they were

day's races. They discovered in the

statute an aperture through which

they could drive the metaphorical

bookmaking save on race courses

where races were being run. Straight-

way they leased for a song a disused

half-mile track near the city, ran two

plugs over it every day for a purse of

five dollars and made books on every

race from Sheepshead Bay to the Pa-

clfic coast. If the law frowned that's

The peaceful little village wherein

was the race course became trans-

as they guided the plow and talked

ting disease. It would have puzzled

him to try to name the boundaries of

his state, but he knew the pedigree of

A felicitous run of luck which Mr.

Cobb had been enjoying suddenly

changed and fortune-ever a capri-

cious jade, turned her back on him. He

couldn't win a bet and one August day

found himself penniless. He sat

gloomily on a trestle in front of the

blacksmith's shop listlessly reading

the entries for the day. Mr. Quinn, a

disqualified jockey from one of the big

and once and a while he won a bet.

all it could do.

This was an unwise move. An old spasms as a man has the colic. The saw sayeth, "let sleeping dogs lie" and one stops gambling and the other it might be applied to recumbent husbands. The sight of those two ten-A certain firm of bookmakers did dollar notes acted on the raw nervous not resign themselves to the flat of system of Mr. Cobb as might a galvanic battery. He sprang from the bed and snatching the notes closed wont to examine the program for the them up in his hand.

Then Mrs. Cobb executed a diplomatic movement worthy of Talleyrand. She caught her husband's clothes horse and wagon. The law forbade that were on a chair and clasped them against her body. The two glared at each other.

In the meantime the truculent man was knocking at the front door.

"Open the door and come upstairs," called Mrs. Cobb to the truculent man from the window.

Mr. Cobb's eyes roved around the room. He heard the front door open and then he stooped and passed through the window onto the porch formed. Farmers studied dope sheets roof. He let himself down from the spouting and dropped to the ground. knowingly of mud-larks and cinches. He speeded for the betting room clad Everybody became a sporting man in his night shirt.

> "Stop him," screamed Mrs. Cobb to the truculent man, "he's got your money

The truculent man dashed after the fleeing Cobb with Mrs. Cobb close at his heels. Urchins along the road depretty much all the horses running lighted at the sight of a man in a night shirt sprinting in front of a stout man and a bony woman acclaimed the trio vociferously.

> However, Mr. Cobb had too good a lead, besides he was dressed or rather undressed for running and he entered the betting room door fully three lengths ahead of the truculent man. Reaching the desk Mr. Cobb saw that the race in which Lucky Dog was already marked "at the post" and he had but little time.

"Lucky Dog to win," he said, handing the two notes to the bookmaker. "They're off,' called the man at the telegraph instrument.

"One hundred and sixty to twenty," Lucky Dog," drawled the bookmaker, handing Mr. Cobb the ticket.

The truculent man leaned over the desk and said, gaspingly: "That money's mine."

"That money's now on Lucky Dog. He's running at the rate of a mile in one minute and forty seconds," remarked the bookmaker, "if you can catch him and take it off you're welcome to it.

Oppressed by this problem the truculent man wiped his brow and the at the quarter.' "Lucky Dog at the half by two lengths," called the operator. Mr. Cobb was standing on one bare foot.

by little. It is tending toward the shape of a pyramid with four faces Examine a terrestrial globe. Three pressions-the hollow of the Pacific, over the sixtieth parallel north three that of the Baltic and that of Siberia, Since the voyage of Nansen we have pyramid can be placed in the great Arctic basin, while the Antarctic con-

it never repasses the same place, and three species of movements: its original heat has quickly been disspace, which modern science estimates traction. Thus, it is a sinking move-

Birth of Life on Earth.

Little by little it became enveloped

constellations of heaven, like the sun, | face of the earth can be explained by 1. Each face of the pyramid in its sipated by contact with the cold of center follows the core in its conat 273 degrees Centrigrade below zero. ment which has formed the great de-

It is around these ridges and these

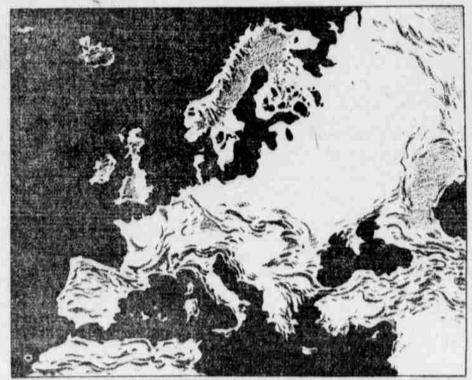
pyramid,

pressions of the oceans. 2. At the edges of the faces, that in a thick mantle of clouds, just like is to say, round about the ridges, we Jupiter at the present time, Then came find lateral compressions of the crust, the final moment: Upon its surface which tend to cause movements from

Regions of Earthquakes.

3. As the earth's crust grows thicker

we shall see that experience confirms



RELIEF MAP OF EUROPE AS IT IS.

tures.

there formed a crust, which impris- | below upward. There it is that the oned within it a core, gaseous, liquid, fractures take place. and at a high temperature. The geological periods began, life appeared in the warm waters, while the cold, the inclined planes between the faces ever at work, was incessantly causing and the ridges have a marked tenthe internal mass to contract, soon the dency to dislocation. These regions shell became too large for the liquid are gradually rejoining the depths of mass inside, and it was then that the a sort of slow but constant downward movement. There also we expect to wrinkles appeared in the bark-those ridges which later were to give birth find the regions of earthquakes, and to our ranges of mountains.

But nothing in nature is made without law. It had always been believed that the ups and downs of the surface were formed rather by chance until Lowthian Green, about 40 years ago, suggested the general process by which the continents were formed, writes the Abbe Moreux, curator of the observatory at Bruges, Belgium, in the New York World. At first treated always, because of their tendency to with derision, Green's theory at last came under the high patronage of M. | already fallen, be subject to a falling point of view of the astronomer, many | vored in the way of carthquakes. points remained to be cleared up. This

would lead us to expect, much vaster in extent. In fact, they occupy those regions that may be compared to in. and manuscripts "trussing chests" or clined planes. They are, to a certain extent, independent of the volcanoes. and intimately related to the steep in. and they were so important that you clines of the earth's surface. This cannot read any of those valuable old explains the fact that the centers of records like "The Paston Letters" or shaking are in general localized in Howell's letters nor the records of our the marine abysses along the lines of own early settlers without finding

Persian guif and the East Indies,

forms one of the zones of least reals-

tance on the crust of the earth. There

is also found along this one of the

most sharply accentuated of volcanic

As for the earthquakes, the area

lines.

high relief.

To Be Answered by Time.

When the crust of the earth shall nave become too thick to bend before these periodical oscillations what will become of our globe" When the pressure upon the internal core shall be felt perpetually, how will those gases behave which are compressed in that immense reservoir from which we are separated by such an insignificant crust? Terrific convulsions will then menace our miserable planet.

Ask an astronomer to show you the tormented and shattered face of our satellite; the surface of the moon shows us, very probably, the desolate lotting his fancy have full play when aspect of a world in which volcanic it was applied to a marriage chest or action, in the spasms of frightful agony, has put an end to all planetary which some noble lady kept her store life

Cataclysms will transform our carth, word. Everything passes, overything within the chest itself. changes, nothing is stable, except He who created the world and who gives to men when it pleases him such grand and terrible lessons.

into details of what these changes that | ing the stings of fishes.

this view. In the course of geological times other very important wrinkles These generally tend to a direction perpendicular to the primitive frac-As for the parts of the crust which lie in the inclined planes in the neighchains of mountains which stretch flatumation. berhood of volcanic regions, they will from Canada to South Carolina were slip down among the parts that have

the "mediterranean depression," that will mean the death agony of this old immense depression which, from the earth of ours. Antilles to the Pacific, passing by way of the Mediterranean sea, the

THE ROMANCE OF THE CHEST. Article of Furniture Often Mentioned

in Old Books and Manuscripts.

The term "coffer" is rightly applied only to the very earliest specimens of these boxes, when they had but a sinthat they cover is, 'as the theory gle panel and were bound with iron or made of great strength. Such articles as these are called in old books "standards." "Hutch" was another term applied to these standing chests many references to the chest, beginning with that small kind known as a "Bible box" and running dirough all the varieties which could be brought or made here. Although the chest grew into the chest of drawers, the simple box-like form remained in use till about 1810, for I still find them re corded in inventories and wills till

about that date. Italian chests or "cassoni" were always gems of art. On them not only the artist artisan, like the carver and hlayer, displayed his best handiwork, but the artist himself painted on them leves and cupidones, masks and must cal instruments, flowers and festoons. one of those elegant little coffers in of "greate pearles," her girdles and rings, her chains filled with jewels of and at that time the volcanoes of the brilliant color and great worth. Such central plateau will warn manking that chests had bonderous locks soncealed the stability of the earth is a valu to some extent and the ornament or

Venemous Fish.

It is carroas that while so much has been written in our language on snake bites there has been compara-The Abbe Moreux in his article goes lively little placed on record concern

he describes are likely to do to Eu- Snake bitus are rare in this counrope. American readers will find it Uy, but fish stings are very common, have been produced here and there, more interesting to consider what will especially among fishermen and fishbe their effect upon North America, mongors. The fishes that most often Applying the able's reasoning, it is sling are the great and little weevpossible to make a forecast. Physical ers. A prick on the hand or foot from geographers tell us that the great a weever causes much swelling and in-

If the arm is affected the inflammathrown up at very early periods, then may spread to the shoulder, the though separated by relatively wide swelling of the whole limb being enorintervals. The oldest rocks on the mous, The pain is agonizing, the pade Lapparent in France. From the movement, and will be specially fa- continent are those of the Laurentian Uent often falling into a state of colmountains, in Queber. The Adiron lapse or becoming delirious. Usually It is thus that my theory has the dacks were an island before the Cat the Inflammation subsides in about is the work which I, in collaboration advantage of explaining the double skills or the Alleghanics had risen three days, followed by desquamation,



He Was Dressed or Rather Undressed

tracks and now a betting room tout, came languidly across the road and accosted him.

"Dave," said he, "I have it," So great was Mr. Cobb's depression that he made no inquiry as to what Mr. Quinn possessed.

"Here's a letter from a man who gives me only two or three tips a year and they never fall down. Here it is: 'Lucky Dog will win the second handi cap race at the Bay Wednesday. Get on it.' Now, Dave, here's our chance to make a good stake for the season."

Mr. Cobb, disgustedly. "What's a tip up a captured kingdom. He tossed \$50 to a man who's got nary a cent to bet on it?"

"Can't you raise ten dollars?" inquired Mr. Quinn, interestedly.

"I can't beg, borrow nor steal a dollar let alone ten. And there's no job o' work I can get.'

"Busted, ch?" and Mr. Quinn walked off seeking another capitalist.

For some reason the name "Lucky Dog" kept dinning itself into Mr. greater frequency that they have been Cobb's ears all day and all the next advised by American consular repreday. He felt a prescience that the horse would win albeit that his re- buy at home. A few years ago a consearches disclosed that he had only run once in the far west.

Two a'clock on the eventful Wednes day on which the tip was expected importations during the past year to materialize found Mr. Cobb abed. He had not arisen for he reasoned that they amounted to more than \$42. with logic that a man who could not raise the insignificant sum of a dollar tributing causes to the fall in Paris may as well he in bed as stand on his feet. Another point was that Mrs. Cobb had proclaimed with acerbity in the morning that, as the breakfast the great European market for Ameriand dinner would result from her in- cans. dividual earnings he would not be ex-

pected to participate in the repasts. Mr. Cobb lay prone and gnashed his teeth when he thought of the busy scene in the betting room nearly opposite to his house. Already the odds enable them to reach their food withwere up against Lucky Dog. If he out difficulty; but the elephant has should win Mr. Cobb felt sure he would foam at the mouth like a mad ly to support the weight of his huge man. No one could stand such a

buffet from fortune as that. down the dusty highway and Mrs. Cobb glimpsing him ran upstairs. She opened the Bible lying on the bureau and taking something from between its leaves turned to her husband.

"The collector is coming for the rent," she said. "If I had not taken the West Indies and South America, ten dollars from your winnings one and England, South Africa, and Ausnight and made ten more myself by tralia.

"Lucky Dog in the stretch, all whipping," called the man at the wire. Then Mr. Cobb, the sweat dripping

from his face, lifted up his voice. "Come on Lucky Dog. Come on old

horse. You're running for Dave Cobb."

"Lucky Dog wins easy by a length," called the operator.

Then Mr. Cobb changed into a dancing dervish and spun around uttering odd ejaculations.

"Pay off Lucky Dog tickets," called the bookmaker.

Mr. Cobb received \$180. He handed \$20 to the truculent man with the "What's the use of talkin'?" asked mien of a Roman conqueror dividing into his wife's apron and sought to put the balance in his own pocket but found no such convenience. He looked down and saw how he was attired. Then he blushed and darted homewards.

> Americans Spending Less in Paris. American travelers abroad, upon returning home, are reporting with sentatives to save their money and sul who took any interest in American affairs except politics and his salary was a rarity. In Paris alone American were \$21,000,000 less than in 1907. At 000,000. There were two other consales to Americans, the financial depression and the fact that London is rapidly taking the place of Paris as

The Trunk of the Elephant.

The long trunk of the elephant is very, very wonderful. The neck of four-footed animals is usually long, to a short neck to enable him more east head and heavy tusks. The long trunk helps him to get his food, and the A man with a truculent face came trunk is to an elephant what a long neck is to other animals.

American Burial Caskets in Demand.

American burial caskets in considerable numbers are now exported to various foreign countries, including