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How Earthquakes Are Measured

STORIES OF WELL-KNOWN PEOPLE

She's a Grandmother Bachelor.

more, Pa, had seen her three sons and

was her own turn to join the rah rah ranks, even if she had passed the fifty year milestone.

So she matriculated at Pennsylvania

an even dozen grandchildren.
During her student days Mrs. Farley was affectionately known to her
fellow undergraduates as "Mother Farley." So her resemblance to the fussy
old Roman who 200 years before
Christ was fighting for laws regulating women's dress and calling in and
out of season for the destruction of
Carthage seems to have heavy

out of season for the destruction or Carthage seems to have begun and ended with the retention of a thirst for knowledge at an age when the minds of most people have crystallized and set in their final form.

Famous Ear Specialist to Treat Spanish Prince.

The congenital disease—deafness—which has impaired the health of Don Jaime, second son of King Alfonso of Spain, is soon to be treated by Dr. Curtis H. Muncle, of Brooklyn, N.Y.,

showing in which direction the earthquake had occurred.

The first British seismograph was
simply a basin full of treacle. When
and left a mark on the side of the
basin that indicated from which direction the shock had come.

The instruments are much more

the strain becomes too great the earth rection the shock had come.

The instruments are much more complicated now, and shocks can be corrected and measured in observatories fully 10,000 miles away from the scene of the disturbance by means of the sensitive Milne-Shaw seismograph.

This consists of an upright column supporting without friction a horizon-

that method. He is not the heir to the throne, the Crown Prince being the Prince of the Asturias.

Dr. Muncie has also accepted invitations to demonstrate his new method of "manipulative surgery" or "reconstruction of the eustachian tube" before leading medical associations in Paris, Glasgow and London. He uses no instruments in his treatment of the deaf, merely molding and shaping the tube which leads from the inner ear to the nose. The record does not state whether or not the feat of the elder and censorious Cato in learning Greek at 80 had anything to do with spurring her ambition. At any rate, after Mrs. Sarah Shoemaker Farley of Swarthmore Parks, see the second of the second of

Office-Boy to Millionaire

Office-Boy to Millionaire.

Lord Joicey, who celebrated recently the "diamond jubilee" of his entrance as office-boy into the firm which
he still controls, probably owns more
coal-mines than any other individual
in the United Kingdom. The foremost
items on his escutcheon are a couple
of pickaxes and two ponies.

Born in the atmosphere of colleries
and brickyards at Tanfield, Durham,
seventy-six years ago, he grew up as a daughter through college on a wid-ow's moderate means she decided it

So she matriculated at Pennsylvania State College and when the diplomas were passed around recently Mrs. Farley found herself possessor of the degree of bachelor of science.

All of thouse made bachelor's children are married and between them have made her the proud proprietor of an even dozen grandchildren.

During her atudent days Mrs. Farand orickyards at Tanfield, Durham, seventy-six years ago, he grew up as a boy in the "black environment."
His father, who worked in a Tyneside colliery, was a man of foresight and shrewd common sense. He saw the future of the engineering side of mining, and his son benefited by his advice and instruction.

advice and instruction.

The future Lord Joicey saved every penny he could while learning all he could. Out of two pounds a week he saved enough to enable him to make his first mining investments.

Six Men to Carry Dad's Salary
Every Week.

Colonel Shatford, of Montreal, addressing the 26th District of Rotary at
Toroato, pointed his morals with apt
anecdotes. Here is one of them that
will go without adding on the moral.
Three small boys were sitting on a
fence bragging of their døds. The one
said his father was a wonderful money
maker, why he was a lawyer and could
write out what they called a brief and
in a few hours make hundreds of dollars.

lars.

The second said that his father could pull out teeth, put them in and plug them, and charge fees as high as he liked, and still the customers would he read to man them.

curtis H. Muncle, of Brooklyn, N.Y., who is widely known as a specialist on afflictions of the ear. Dr. Muncle has just sailed for Europe with the admission that he is going to treat a "well known case of deafness given up by many specialists of Europe." It has been learned that this "well known retier it snow other than New Property of the propert

FRAGRANCES THAT FAIL

Scent in the world of flowers is something of which very little is known. Formerly, it was regarded as one of the censtant elements in flower life, and, being taken as a matter of course, was ignored. Now we are not so sure if it is a constant element, and are paying more attention to it.

All snelent nations who attained to civilization were addicted to the use of perfumes, not merely as luxuries, but also for purposes of religious ceremonial, especially in the solemn rites of burial.

Myrrh and frankincense doubtless emit to-day the same odor as they did thousands of years ago. Myrrh odor-ata still bears the umbels of fragrant

The awful cataclysm that plunged the Jayanese Empire into mourning has roused scientists all over the world in their endeavors to foretell, with some degree of accuracy, the coming of great earthquakes.

These terrible volcanic upheavais are already recorded, and tabulated by amazingly delicate instruments, but all the devices possessed by science have notyet been able to predict when and where the overwhelming forces of Nature will next break loose.

Seismology, or the science of earthquakes, is one of the oldest of known sciences, for when the Romans were subduing ancient Britain the Chinese completed an instrument designed to record the shocks that so constantly harass the Eastern Empire.

This took the form of a copper sphere, about twenty-five feet round, with a long pillar at the top which was suspended so that it could swing in any one of eight directions.

The sphere contained eight dragon heads. In the mouth of each was suspended as a ball, so that when the pillar was moved by any trembling of the earth it would knock a ball down, thus showing in which direction the earthquakes are caused by a basin full of treacle. When simply a b

unchanging character of the resulting

perfume.

Such constancy, however, is not exclusive to the subtle perfume of attar of roses, or to myrrh and frankin-cense. The whole range of the hedgerow, with its honeysuckle and sweetbriar; the meadow, with its balm and dog violet; the garden, with its wall-flower and carnation, all produce perfumes absolute in their constancy.

Banished by the Hybridiger.

Banished by the Hybridiser.

For countless years it has been so. The floral world has emitted its varied odors true to type. Neither soil, culture, nor climate seem to affect these distinctive perfumes. Tropleal plants, when housed in Great Britain under favorable conditions, impregnate the atmosphere with the same, heavy, seductive odor as they give forth in the stifling swamps of Africa.

A break in continuity or scent has Banished by the Hybridiser.

stining swamps of Africa.

A break in continuity of scent has occurred in some cases, however, causing the doubt as to its constancy, referred to in the beginning of this article. Where the hybridiser has been busy, there, very frequently, scent has field. One cannot play fast and loose with Nature's laws, and the beauty of color and symmetry of structure we admire in the new creations of horti-culture have been purchased at the cost of the fragrance which still clings to the petals of their humbler rela-

Many who purchase roses to-day are astonished to find they produce scentless blooms. Their progenitors emitted the same delightful odor as those in the rose-fields of Adrianople, but the meddling hand of man has sealed up their scent cells.

A still more striking example of the fugitive nature of flower perfume is provided by the case of musk. Twenty-five years ago no English garden was considered complete without a bushy growth of this sweet smelling plant.

Perfumes of the Past.

It was grown, not for its beauty of foliage, and not for its attractive blooms; it was essentially a scent flower. A sprig of musk was picked on Sunday, wrapped in my lady's hand-kerchief, and thus she was perfumed. The lord of the manor's last duty before setting out for church was to place a few leaves in his hat.

In many old churches this "musky

smell" became an almost essential part of the service. The regretable fact must be recorded, however, that musk to-day is scentless, and the plant is no better than many wayside weeds. No one can give a satisfactory solution as to where the scent be seen.

tion as to where the scent has gone The hand of the hybridiser cannot be

charged with the crime, for in this form of plant-life there is little scope for his work.

Prior to this, indeed, it had been apparent to lovers of Nature that some subtle change was taking place in this plant and that its forestance. be glad to pay them.

But the third was a clergyman's son.
"Why, it takes six men to carry dad's wages up to him every week," said the plant, and that its fragrance was gradually becoming less. We must just write the change down as one of the unexplained mysteries of plant-life.

There may, of course, be a few plants still retaining the musk odor. If there be such, the owner could, if he cared, secure a ready market for cuttings.

Australia's Wonder Bridge

In about six years' time Australia will possess in the bridge to be built across Sydney Harbor one of the greatest engineering marvels in the

world.

The total cost of this vast structure, for which contracts are shortly to be allotted, will be about seven million pounds, nearly half of which will be expended in wages. The new bridge will eliminate the slow-working ferry low in the and will bear four lines of

will eliminate the slow-working ferry now in use, and will bear four lines of railway, beside a 57ft. roadway with broad pavements.

Australians have dreamed of this undertaking for many years, and there has been much discussion as to what form the bridge should take, the possibilities of floating and suspension structures being considered. Finally, a high-level bridge has been decided upon.

upon.

For pure grandeur, this great construction is expected to eclipse the world-famous Forth and Quebec bridges, for although its span of 1,600 ft. is slightly shorter than either of these, it will be considerably higher above the water than they are.

The approaches to the bridge were commenced some time ago by Australian firms, but they found it impossible to carry out the whole undertaking, and tenders were invited from engineering concerns all over the world.

gineering concerns all over the world

There are few great difficulties to be overcome in the construction, as the grante piers which will support the bridge will have solid rock founda-tions on both sides of the harbor, thus making the venture less speculative than has been the case with other large bridge-building contracts.

Minard's Liniment fo. Dandruft

Foes of Memory.

Scientists have discovered that the memory is stronger in summer than in winter. Among the worst foes of the memory are too much food, too much physical exercise, and strangely, too much education.

A Powerful Beak

Macowa, a kind of parrot, native to South America, can break with their beaks nuts which resist attacks with

A literary critic is a person who finds meanings in a book that the author never knew were there.

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but it must be Keen's ...

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Stock and Seed Judging — (Two weeks)—January 8th - 19th.
Poultry Raising—(Four Weeks)—
January 8th - February 2nd.
Horticulture Courses:
Fruit and Vegetable Growing—January 21st - February 2nd.
Floriculture and Landezape Gardening—Feb. 4th - Feb. 16th.
Dairy Courses:
Course for Factory Cheese and Buttermakers — January 2nd—March 14th.
Cow-Testing—Jan. 7th - Jan. 19th.
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These courses are planned to meet the requirements of farmers, farmers sons, dairymen, poultrymen, bee-keepers and horticulturiats who may be able to leave home for but a short period during the white months.

All courses are free, with the exception of the dairy courses, for which a small registration for the charged from the home surroundings, meeting other people interested in the things to which you have been considered to the charged from the home surroundings, meeting other people interested in the things to which you need, a charge from the home surroundings meeting other people interested in the things to which you need, you can be a surrounded to the course of the property of the people of the peop

Jaimo.

Until he was 9 years of age the young son of King Alfonso was unable to speak, but it was later found that this condition was brought about by his deafness. He has been targht lip reading and now converses fluently by 188UE No. 43-23.