# The Bee's - Home - Magazine - Page

#### Mysteries of Science and Nature-

Indian Summe and Squaw Winter Are Weather Phenomena with Which Everybody is Acquainted. but Nobody Can Precisely Fix the Limits of Either

#### By GARRETT P. SERVISS.

"When does Indian suigmer start, and how long does it last .- C. There is no fixed date for the beginning or ending of Indian summer. It is

a period of readjustment in atmospherie conditions. occurring between the dutumnat equinox (September: 21) and the winter solstica (December 20, but usually nearer the latter. It may be looked for about the besinning of November, but it sometimes starts in ear-



It is characterized by a warm spell or a succession of warm spells, setting in after the preliminary chill which comes when the sun has sunk below the equator on its annual visit to the southern hemisphere, and it is caused by the accumulated summer heat, sufficing to counterbalance the decrease of the daily supply from the sun for a long time after the nights have begun to exceed the days in length.

Its irregularities are due to variations of atmospheric conditions that are too complicated to be accurately traced in advance, but in the long run it is a regufar phenomenon that can be counted upon to occur, on the average, every

Nowhere has the Indian summer season a more poetic character than in eastern America. It seems to lend itself particularly to the features of our landscapes. miving them a wonderful softness and charm. Always during this curious spell of weather the quiet atmosphere is filled with a delicate, smoky film, which profuces marvellously beautiful effects of perspective among the hills and valleys Many imaginary explanations of the

cigin of the name, "Indian summer," and of the cause of the singular and often prolonged spell of weather to which it is applied, have been suggested. The early settlers seem to have thought that the peculiar condition of the atmosphere was brought about by forest fires set by the Indians. This was a natural con-Susion, because the senson is almost al-ways characterized by the presence of much smoke in the air, and this smoke does often proceed from forest and brush

cause of the warm autumn weather is to put the care before the horse. First break out because the weather is dry, and the heat that they impart to the air is merely local. It is possible, however, that the presence of the smoke has something to do with the heat trapping properties of the air. True clouds being absent for many days during Indian summer, the sun's rays are poured unobstructedly down upon the earth, and the layer of haze in the atmosphere acta like the gardener's glass paner over his hothed, retaining the heat that has passed through in the form of visible radiation.

Usualty, before the Indian summer sets in, there is a spell of cold weather, often accompanted by flurries of snow, a first offect of the sun's declension toward the south, and this was called "squaw win-It is more commonly known in Canada. The tradition is that the Indians, who were good observers of nature, had long studied these vagaries of go to a home of her the autumn weather and were able to predict them each year, for which reason the whites gave them designations suggesting their Indian origh.

There are similar weather variations in spring, due to similar causes. Both spring and autumn are only intermediary seasons, coming between the two really characteristic seasons, winter and summer, and necessarily partaking of the na-Are of both. Sometimes one element and sometimes the other prevails. In spring wintry conditions, brought about unpredictable atmospheric changes. but such as are sure to occur with more or less regularity every year, often arrest for a time the general increase of temperature; and in autumn a similar recurrence of summer conditions interrupts the forward march of the coming

## At Once! Stops Stomach Misery

Do some foods you gat hit back-taste stubborn lumps and cause a sick, sour, sour and upset you. There never was anything so safely quick, so certainly effective. No difference how badly your atemach is disordered you will get happy relief in five minutes; but what pleases you most is that it strengthens and regulates your stomach so you can eat your favorite foods without fear.

Most remedles give you relief sometimes-they are slow, but not sure. "Pape's Diapepsin" is quick, positive and puts your stomach in a healthy condition so the misery won't come back.

You feel different as soon as "Pace's Diapepain' comes in contact with the stemach - distress just vanishes - your stomach gets sweet, no gases, no beiching, no eructations of undigested food, your head clears and you feel fine.

Go now, make the heat investment you ever made, by getting a large fifty-cent store. You realize in five minutes how needless it is to suffer from indigestion, dyspepsia or any stomash disorder.
-Advertisement.

## A Hallowe'en Witch .: Copyright, 1916. Intern'l News Service. :. By Nell Brinkley.



## Great Chance for Girls is Doing Something Useful .:. By Dorothy Dix

the femiulne world. Up to now the aver- served in toil and sweat and blood, age American girl was expected to stay at home until she was married and then

own. And she could fairly safely count on getting married. In the last few years, however, this comfortable program of life has been cost of living has to support a family of girls in comfort The girls themselves have heard so much

altered. made it impossible for the man in ordinary circumstances about the parasitic woman that they have become ashamed of hanging like a millstone

around a poor old father's neck. the chances of catching a husband are greatly diminished, and young women of presentable appearance are no longer certain, as they formerly were, of getting

married. All of these conditions have turned the thoughts of girls toward self support And Indigestion This is well. There is no more reason for an intelligent and able-bodied young woman should be dependent on somegood, but work badly; ferment into body clan for her living than there is why a man should be. It develops a gassy stomach? Now, Mr. or Mrs. Dys. woman's brain and brawn and charpeptic, jot this down: Fape's Diapepsin actor to do some regular work, whereby digests everything, leaving nothing to the carns honest money and acquires the strength to stand on her own feet instead of fiepping, like a limp dish rag. on some stronger individual.

hoodees is that when a woman works point on the earth reached at instant the she must always do some lady-like kind opposing forces neutralized or balanced. of work—that is, something art stic or literary and that is genteel—just as it was considered in the past more raffned and elegant for a woman to do embroidery than it was a something art stic or ing the part of the wheel on the ground moves slower than the top. Is this correct? If so, please explain—Robert Conybroidery than it was a something and some and the past moves slower than the top. Is this correct? If so, please explain—Robert Conybroidery than it was a something and something the part of the past moves slower than the top. Is this correct in the past moves all that when a wagon is moved and that is genteel—just as it moves slower than the top. Is this correct in the past of the part of the part

For this reason at least 90 per cent of tion of all objects on its surface is the the girle who want to work want to go center of the earth. The bottom of the on the slage, or to recite, or do parlor entertaining, or write, or paint. Also they want to do these things in a deleton the stage, or to recite, or do parlor entertaining, or write, or paint. Also they want to do these things in a delettante manner and receive large rewards for their labor. They overlook the fact that to succeed in the fine arts as well as in common occupations you have to slave like a dray horse, and that there are absolusely no short cuts or quick roads to succeed. Behind every star on the stage and every well known writer feet wider than that travered by the case of Pape's Diapepsin from any drug as in common occupations you have to a smooth sphere and that the wheel the stage and every well known writer feet wider than that traversed by the I consider a girl of 15 and a boy of 20 cept.

But there is no such thing as a girl mak- knocking at my door, begging me to help money. ing herself into a Maude Adams because them launch some sort of concert or enshe would like to be on the stage, or tertainment or benefit to help them out, into an Ellen Glasgow because she would and in which good-natured patronesses ture settled that question for her once buy tickets. and for all before she was born, and all Now these girls have plenty of intelli-

think that she can make herself a writer thing practical, give some useful service or an actress as it would be for a short, that the world needs. stubby woman to think she could make simply can't be done.

It is my unhappy lot in life to see hun- as wholesale starvation and failure as

they would only come down off their high It's as foolish for an ungifted girl to horses and plough a little and do some-

herself into a tall, willowy goddess. It an actor, or writer, or doctor, or lawyer, in any line to go around. If you did you would see among men

.This is a time of peculiar upheaval in there lies an apprenticeship that has been dreds of these would-be artist and actor, you do among women. Men realize that, she put half as much study on the tem-

So I entreat the young women who are be pleaced to see her name in print. Na- hold up their friends and make them do, something practical to do. Do the how to write.

served in toil and sweat and blood, and writer girls who come to the city they have got to be grocers and butchers, perament of a hen as she does on the burn twelve. Now, of course, if a girl has the divine seeking their fortunes, and who find no bakers and candiestica makers, and that psychology of Lady Macbeth. Many a list lighted. fire, and has given unmistakable signs market for their poor wares, and are while we can do without the fine arts on girl who paints dauby pictures that she of a genius for acting or painting, or stranded in its hard streets. There's a place we have got to have the com- can't sell for \$2 apiece would have women writing, she does well to choose the cull- hardly a week in the year that half a mon necessities, and that the purveyors breaking their necks to pay her \$75 for ing to which her talent dedicates her. dozon of these forlorn creatures are not of them are the ones that make the hats. Many a girl who is starving along trying to write pot boilers could be riding in her own automobile if she had contemplating going to work to support worked as hard at the art of keeping themselves to choose something useful to boarders as she does at trying to learn

work that lies closest to you so well that Do something practical and uneful. somebody will not only be willing, but girls. The world has always got to be the work of the world will never take the gence. They could make good livings if anxious, to pay you for doing it. There's fed and clothed, and washed and cleaned. never any dearth of a market for a su- and have its socks darned, and its bills eggs. per-excellent quality of goods, and this kept, and as long as you minister to the applies to labor more than to snything world's comfort you can always get paid else. The world is flooded with ama- for it. Don't be misled by the giamour You don't see every man trying to be teurs, but there are never enough experts about any kind of work. The only fancy brand on work is the dollar mark. Many a girl who falls as an actress the way to get that is to do something

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#### By EDGAR LUCIEN LARKIN.

Q .- A few friends discussed recently upon the effect on an aeropiane in motion of favorable or adverse winds. For ex-aniple, a machine travels by its own rower thirty miles per hour in calm at-Then flying mechanically at thirty

A .- (1) With wind, speed of plane selves of the superstitions of the past, and one of the most persistent of these point on the selves vertically over a hoodoos is that when

and elegant for a woman to do em-broidery than it was to do plain useful earth is a globe, and the center of mo-

added number of 25.1328 feet must be traversed in the same time. To do this the faster than its opposite at botton of from either pole of the earth. The optical top must move faster than the bottom. wheel. This question, the question of a property of the earth's atmosphere of Draw a line from the center of the earth fish in a bucket of water on a balance, refracting lisht makes the sun, moon

out to the surface, through the bottom that of squaring a circle and on per- and stars seem to be above the horizon of the wheel, through its hub or exact petual motion, are standard, and in all center, and then through the top. Now, my life they have kept coming at a rate per hour with a wind blowing the meaning of the word top is the instantaneous molecule or atom of metal in the tire that is in the end of this line. The word to be a wind blowing the meaning of the word top is the instantaneous molecule or atom of metal in the tire that is in the end of this line. The word the word to be about on the control of the word to be about o the meaning of the word top is the in- of about one-hundredth that of questions in the tire that is in the end of this line ! The word "equal" should have read

Aeroplanes and the Wind

far too young to marry with any promise of lasting happiness. Of course, if you are with this young man three times a week, others will feel that you have serious intentions with regard to one another. Suppose you discuss with him Dear Miss Fairfax: I am is, and have seen out with a young man two years puts you. I think this would be far betay senior for the last three months. He ter than dropping him without a word puts you. I think this would be far bet- year. That is, the first minute part of

Dear Miss Fairfax: I am a factory siri and am disgusted with my position. There is a chance for me to get a position to pose for a moving picture Kindly give me your advice if this is a position for a respectable girl. B. K.

well paid work. Do not hesitate to ac- tire horizon.

'unequal" in my article several weeks And this interesting molecule moves ago on the subject of daylight as seen longer that really.

Then from either pole some part of the edge of the sun can be seen for three days after it has crossed the equator, going south from the north side and north from the south side. Then from either pole the light of day grows dimmer and dimmer after the edge of the disk of the sun is cut off by the horizon when the solar motion is going away, and brighter and brighter when coming.

Then the reduced light of day endures six days longer than the exact half the upper edge of the sun is hastened three days in rising and retarded three days in disappearing. Full daylight does not appear during these six days, because all of the sun's disk is not above the horizon, the horizon being the equator to

an observer at either pole Then the reverse, or polar nights, from the same cause, are these six days shorter than the precise half-year. see these full effects the entire horizon ing to be recognized and admired all over must be water, the air pure and clear. the world. I think you are fortunate to These cannot be, however; so actual efhave a chance to do this interesting and fects are never fully seen around the en-

## Losing Your Girl

#### By BEATRICE FAIRFAX.

"It is easy enough to be pleasant when life flows on like a song-but the man worth while is the man who can smile when everything goes dead wrong.

"Up to four years ago I was possessed of a happy, optimistic nature," writes L A. H. "I was living with my parents in a fine home, being greatly indulged, care-free and with no responsibilities. then came to New York to fill a position to which I had been called. I have been compelled to suffer hardships and humiliations which have been almost unbearable, and which have caused my whole life and nature to change. Sickness resulted in loss of position, and I have had to be contented with pegging along in ineffective places at a minor salary, while I am confident that with an even chance I could qualify for positions of greater prestige than heretofore held. My friends take other people's sor rows as a matter of course. No reading that I do cheers me. Dark clouds seem to hover over me. It is only for the sake of my aged parents that I have not given up hope. I feet down and out at 24 years of age."

When the boy who lives at home and "greatly indulged, care-free and with no responsibilities" comes to New York, or any great city, he has two battles to fight. One is for place in the maelstrom of city life. The other is to force himself to keep his grit and go on fighting. Being happy and keeping your grip are one and the same thing, L. A. H.

It is easy enough to be cheerful when you are at home being petted and indulged and generally unfitted for the fight of life.

The point is not whether you are plugging along in places where you cannot make your ability tell. The point is not that if chance were good enough to throw something worth while your way you could prove your effectiveness. real point that is going to decide whether you are to be a success or a failure is just this: Are you capable of taking joy in your work whatever it is? Are you strong enough to hope on in the face of disappointment after disappointment? Are you sufficiently imaginative and keen to find opportunity # what to another man might seem ordinary routines

and out" unless he deliberately loosens his grip on the steering wheel of his own life. No failure in youth or middle life-no loss of opportunity-no peggins along at second rate work is in any way final. Anything may be coming your way today or tomorrow. All you need to do is to be ready when it does come. Now, don't think that a platitude. "Almost every man who falls is directly responsible for his wn failure.

Whether you succeed or fail largely a matter of how long you can manage to keep your grip—and your head. If you can think sanely and assure yourself that no series of mistorimes is an ironclad, unbreakable thing that cannot at any moment be switched off into a series of successes, of course, no fallure can daunt you. Now since all things in life are temporary, why not This is for today only; tomorrow I may be on the crest of a wave of success." will keep a firm grip on the steering wheel of my own life, and in the end I will master my fate because I have not lost my grip and let temporary misfor-tune master life and steer me to destruction and despair.

### Do You Know That

A candle sixteen feet long and weighing 400 pounds, the finest and largest wax taper ever produced, has been made in New York, and is ultimately to stand in the vatican at Rome, where it will be lighted once a year on All Souls' day, in emory of the late J. Pierpont Morgan. At this rate it will have an endurance of quite 3,355 years-assuming it is left to burn twelve hours on each day when it

The two sides of the human race are never alike. In two out of five the eyes are out of line; one eye is stronger than the other in seven cases out of ten, and the right car is generally higher than

The ostrich-selaims the distinction of laying the largest egg. The egg which weighs about three pounds, is considered equal in contents to twenty-four hen

Toward the end of the new year the kaiser's new yacht, Hohenzollern II, is to be launched. It will be the largest and most magnificent royal yacht ever built, and will cost at least \$2,500,000,

#### Household Economy

How to Have the Best Cough Remedy and Save \$2 by Making It at Home

Cough medicines, as a rule contain a large quantity of plain syrup. A pint of granulated sugar with ½ pint of warm water, stirred for 2 minutes, gives you as good syrup as money can buy.

ROTORO DO COMO DO COMO DO COMO DO COMO DE COMO DECOMO DECOMO DE COMO DECOMO DE COMO DE

Then get from your druggist 2½ ounces
Pinex (50 cents worth), pour into a pint
bottle and fill the bottle with sugar
syrup. This gives you, at a cost of only
54 cents, a full pint of really better cough
syrup than you could buy ready made for
\$2.50—a clear saving of nearly \$2. Full
directions with Pinex. It keeps perfectly
and tastes good.

It takes hold of the usual cough or chest cold at once and conquers it in 24 hours. Splendid for whooping cough, bronchitis and winter coughs.

It's truly astonishing how quickly it loosens the dry, hoarse or tight cough and heals and soothes the inflamed membranes in the case of a painful cough. It also stops the formation of phiegm in the throat and bronchial tubes, thus ending the persistent loose cough.

Pinex is a highly concentrated com-pound of genuine Norway pine extract, combined with gualacol, and has been used for generations to heal inflamed membranes of the throat and chest.

To avoid disappointment, ask your druggist for "2½ ounces of Pinex," and don't accept anything else. A guarantee of absolute satisfaction, or money promptly refunded, goes with this preparation. The Pinex Co., Ft. Wayne, Ind.

By BEATRICE PAIRPAX This Situation Needs Tact.

Advice to Lovelorn

has taken me to many places of amuse-Now, what I want to know is this: My to ask his intentions. parents do not want me to go with a young man unless he has serious inten-lons, and they are always nagging at me

of explanation or permitting your family Posing for the "Movies."

The moving picture actresses are com-