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"Meditation"



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By NELL BRINKLEY



Nobody is so strong, so ardent a pleader, for peace as the pup who loves two people when those same silly two are in the glooms of war. He sits between, in the wide, silent, empty waste that has grown between them, and lifts his anguished voice straight out of his lonely, 'wildered dog-heart.

And his eyes glitter with tears while he points his blunt wet black nose to the wind-washed sky and wonders how anybody could get mad on anybody else in the summertime! Please have a heart-you lovers who scrap-and listen to mediation. NELL BRINKLEY.

Law of Gravitation Has Made the Moon Mistress of the Seas

By GARRETT P. SERVISS.

of them is the nature of gravitation. Newton discovered certain "laws" which

show how gravitation acts, but he failed to find out what gravitation is, and on that point we are virtually as ignorant as he was. For practical purposes we may define gravitation as that force, inherent in all matter, by virtue of which every material body, no matter how large or

how small, seems to attract, or draw toward itself, every other material body, and to be attracted, in like manner, by

every other body. I say "seems" to attract because there is reason for thinking that the force may be more of the moon. Theoretically, the water is drawn one another, producing the "neap tide." This is equally true whether the bodies in operation are microscopic particles or

sigantic suns and worlds. The intensity of the force depends upon the mass or the quantity of matter contained in the hodies concerned. A body with ten times the mass of another has ten times as much gravitative force as that other. This appears quite evident, and in accordance with what one would expect, just as an elephant is stronger than a gravitation is not self-evident, except to se who have studied it mathematically, although it is the cause of the moon's single thought. It influence in producing the tides.

This law says that not only does the she and John had force of gravitation vary with the dis- nover been separtance between the attracting bodies, be- ated for a day coming greater as they are nearer and less as they are farther apart, but that tied up together. the amount of variation is measured by the amount of variation to the square of the increase or decrease of this with great padistance. It is the famous "law of inverse squares," which appears to be one of nature's fundamental principles. To years, but at last give a single example: If you double too much Maria distance between two bodies you got upon his diminish the force of attraction between nerves, and be bethem four times (four being the square of gan to make a two), and if you halve the distance you fough house at increase the attractions four times.

One other, still more curious, law or wife a line of back fact about gravitation remains to be con- talk that he would sidered before we can understand the not have dreamed way is which the moon makes tides in of passing to any lady with an ablethe earth's oceans. It is this: In the bodied brother. case of spherical hodies, like the earth tion tends toward the central point of the slips his neck in the matrimonial halter, the sagacious lawyer, "is that you are tracted by one another just as if their entire masses were concentrated at their respective centers. In other words, the moon pulls the earth, as a whole, exactly as if it had a string attached, not to the surface, but to the central point of the earth.

Now, keeping in mind all these statements concerning the way that gravitation acts, let us consider the effects of he moon's attraction upon the earth. The band. distance between their centers is, in round numbers, 369,000 miles. But the earth be-

on the side that happens at any time to earth and the moon from all parts of the "As spokesman for a group of about be toward the moon, is 4,000 miles nearer moonward hemisphere of the earth, but discuss in an article the whys and where- the force of the moon's attraction is earth, and are of irregular outline and of teaches a girl that she is to take her part. A boy writes: "I am 15 and earning

240,000 to the square of 236,000, or, which tinually carrying the center of the moon-There are many mysteries that science is the same thing, the square of sixty to ward hemisphere out of line, the crest of has not solved, and among the greatest the square of fifty-nine. In other words, the tidal wave is never directly under the the moon pulls about 31/2 per cent more strongly at a point on the earth's surface direction in which it causes currents to directly under it than on the earth's cen-

If then there exists on the earth's sur- problem to calculate the tides for any face, under the moon, a mass of liquid, particular seaport. such as the ocean, whose particles, like those of all liquids, move freely among one another instead of being fixed rigidly like those of a solid, it is evident that reverse way, on the side of the earth this luiquid will tend to be drawn away greater attraction to which it is subject, and in this tendency lies the origin of the

is not actually drawn away, from the other side. earth, because the lifting force of the attraction. Nevertheless the alight dimin- as the lunar tides. At new and full moon ution of weight that the water experi- the two tides are combined, giving the ocean to swell up on the side toward the ter of the moon the two tides act against

ing 8,000 miles in diameter, its surface, toward the line joining the centers of the tides of the ocean."-S. K. W., Arverne, in the inverse proportion of the square of revolution of the earth on its axis is conmoon, and the height of the tide, and the flow, depend upon many local circumstances, so that it is a very complicated

> But there are two tides per day, owing to the fact that the same differential effeet of the moon's attraction is feit, in a that is turned from the moon. On that from the solid earth by virtue of the side the ocean water is farther from the moon than the center of the earth is. In consequence the earth is drawn away from the water, and the latter is raised I call it a "tendency," since the water into a tide analogous to the one on use

> The sun also raises tides, but these, moon upon it is less than one-eight- owing to the great relative distance of millionth of its weight, due to the earth's the sun, are only about two-fifths as high ences suffices to cause the surface of the "spring tide," and at first and last quar-

Summertime Fables

ticket to Reno?"

By DOROTHY DIX.

Once upon a time there was a man who had the misfortune to be married to a But the next "law" affecting noble and conscientious woman who believed that a husband and wife should

> was her boast that since they were tience for many home, and hand his

be one, with but a

"Gee!" he said to himself, "but a man moon, the whole force of attrac- is a candidate for the bughouse when he read all of your love letters in court it can get. Break away." would be me for a cunning little divorce. for I would rather pay altmony than to Europe, and the husband went west, and,

petual tete-a-tere any more than the hus- other's society.

considerable of a false alarm. Perhaps them home. At any rate, this domestic stunt has got me going, and if I have to listen to John pull off another of his ancient witticisms, or tell how he would settle the Mexican difficulty if he were coffee pot at his head. Oh, dear, I wonder what is the price of a first-class

Being a perfect lady and gentleman, husband and wife carefully dissembled their real sentiments toward each other, and merely relieved their feelings out gioves. Finally, however, they could each went secretly to the same lawyer to consult him about the most rechereche way of getting a divorce.

ment to her sex, but it is me for a suicide grave if I have to live with her another day." "My husband is a model of all the

objection I have to him is that I cannot bear him in my sight."

and I cannot attend to business for won-suffering from an overdose of matrimnoy. dering what made me tie up with that All that you need is to take a summer training a girl learns lessons which will bunch of calice I did. If they did not vacation as far from each other as you

Thereupon the wife hiked out for have to lamp the same face every morn- as the lawyer had predicted, when the Nor was the wife enjoying the per- once more in love and pining for each

"It seems to me," she said to her own Moral-This fable teaches that a short soul, "that as a thriller matrimony is vacation saves a long divorce.

Home Interests

By MRS. FRANK LEARNED.

Love of home and of being a homein the faithful performance of the duties a salary of \$5 a week. Of late my parground for each personal life.

the duties of mutual help and comfort, home?" brightness and cheefulness, patience and "I am 17 and protty," writes Madeline,

life depends on small things, tones of cannot give him up. What shall I do?" temper, looks, words or manners. It is very important how should be learned up he has gone back to drinking. What

The art of being a homemaker consists in diffusing an atmosphere of kindness, mother won't let her go to theaters and doing one's share in making home happy moving picture shows with young men. by graciousness of manner, courtesy of speech. In a good home a girl learns

In home life it is important to learn how how to make concessions, to give up in-In home life it is important to learn how how to make concessions, to give up insisting on having one's way, to look at things from another's point of view, to be generous-hearied, broad-minded, just and charitable. And so family life teaches the claims of others and one's froper relation to them, not only within the directe of home, but in the universal the claims for home, but in the universal the claims of others and one's froper relation to them, not only within mother has forbidden me the house. In the circle of home, but in the universal that to know if we continue out. family to which we belong.

Unhappiness in li-s is undoubtedly caused more by temper than anything fere with our future happiness." I missed my real affinity, or perhaps all cise. Selfishness, thoughtlessness, conhusbands are to the weary when you get tradiction, self-assertion, disregard for death, and if she returns she carries a duty to overcome them.

The habit of complaining and grumbling, the miserable idea that all that does boy or girl, has reached the most dangernot conform to one's plans and wishes ous turn in the path of life-the place president. I shall scream and throw the is to be treated as a personal injury- where the footing is the most insecure, these things make an unhappy home. In the wholesome round of every-day home duties many things worth knowing guide it, with snarling and complaining? are learned. Under a wise mother's influence a girl finds that there is contentment in simple duties, that commonplace tude a mother suffers in this! tasks are not drudgery if they are done by daily scraps which they fought with- in the right spirit, but are an enjoyment, because they are part of the harmonious endure their misery no longer, and they regulating of home life, necessary for the comfort, pleasure and peace of others.

The doing of little tasks faithfully will They are good, for she is as far ahead develop habits of accuracy, thoroughness, of you in her knowledge of men as "My wife," said the man, "is an orna- neatness and orderliness. Much of the though she were reading the last chapter peace of home depends on understanding and you were beginning with the a. many plain and practical details of household management. Although a woman may never be obliged to do the actual virtues," said the woman, "and the only work, she should know how to do it in order to superintend and direct others. Thrift, skill and wisdom are needed in home regulation. A sensible mother teaches a girl that extravagance and

westefulness are wrong. In her carly be of use when she may have a home of her own to manage.

Tact-and Economy.

Mrs. Jellus (to prospective parlor maid)
—I am afraid you won't do. You see you are er-very good looking, and my husband being an artist is a great admirer of female heauty and—
Parlor Maid (interposing)—Yes, ma'am, anyone can see that by his marrying you.

"I will give you a month's trial."—London
Tattler.

and all of you, you deserve to be soundly spanked for one moment doubting the winder of basis of the wisdom of the best friend you have on earth—your mother.

And what is more, the world has a way of seeing that those who disobey their mothers get a punishment far worse relation.

Mother Knows Best

By BEATRICE FAIRFAX.

"My mother," writes Rose, "does not Obey your mother. She knows best! maker and homekeeper will be cultivated like the young man I am keeping com-

of life. Home is the true training ents and I can't agree, and I have a boy friend whose mother is willing to It is in the home that one should learn have me board with them. Shall I leave

self-restraint which springs from solid "and in love with a young man of 21, who plays cards anad gambles, and for Much of the happiness or sorrow of this reason my parents object to him. I "I am a worker in a mill," writes a not always on the thing that is said or girl, "and my sweetheart's parents reis done, but on how it is done or said, fuse to let him go with me for that that happiness or sadness is caused. This reason. Because he has had to give me

> shall I do?" "Seventeen" complains because her "Is it treating me right?" she asks.

what is so invaluable in the wide field must be extremely young or she would of the world-respect for others, for their use a more sensible signature. She says tastes, wishes and opinions, their interest, her mother won't let her keep company

would like to know if we continue our love whether the mother would inter-

A woman goes down into the valley of others, are sorrowful things, and it is a child in her arms. She devotes the best years of her life to its care and regards it as no sacrifice. And when the child, and it is easy, oh, so easy, to slip!-it turns upon the hand still held out to Surely the dear Lord makes up in the next world for all the stings of ingrati-

> Thanklessness, disrespect, complainings, contrariness, bumiliation-it means all these and more to be a mother!

To Rose: If your mother doesn't like your young man, respect her reasons.

The boy of fifteen whose boy friend's mother is coaxing him to leave home: Bomething is fundamentally wrong with any woman who will advise a boy of fifteen to leave his mother.

The girl whose sweetheart gambles, the one whose sweetheart proves he never was a man by going back to drinking the other young things who are kept in the house evenings, or who want to elope, or who are afraid "her mother" will interfere with their future happiness: One

than any she ever meted out to them. This is the answer to all the letters:

Advice to Lovelorn By BEATEIUS VAIRVAE

Man Who Takes Drink Occasionally. Dear Miss Fairfax: I am 19, and am keeping company with a young man of 2. My family objects to him because he takes a drink occasionally and was arrested a short time ago for operating his automobile while under the influence of liquor. I am very much in love with this young man and consider my family's grounds for objective consider my family's

grounds for objection very unrease Would you advise me to marry him these circumstances? I strongly advise against you marrying a man who has been arrested for drunkenness. The man who operates an automobile in this condition shows a shameful disregard for human safety in addition

to a lack of sobriety. You are very young and a long life stretches shead of you. Don't foredoom it to unhappiness by marrying this man unless he reforms absolutely and finally and proves it by at least three years' test.

Forest Hills, L. I.
If you are in a good position where you can save money and have the oppor- is lost during cooking. tunity to advance, would it not be better ____ to remain and work diligently so that you can save enough to marry your awestheart? A temporary separation ought Baby of Future not to break the course of true love. Tell the girl that with th's goal in view you think it wiser not to leave a posttion where you are successful for one. however good, at which you have not proved your ability.

Courtesy and Business.

Dear Miss Pairfax: -Upon entering the elevator of a large business building is it a gentleman's place to remove his hat if there are ladies in the car? If there are gentlemen in the car and a young girl enters is it their place to remove their hats.

A STENOGRAPHER. It is becoming more and more a matter

of course that men will not remove their hats in elevators in business buildings when there are women in the car. Personally I consider this a grave discourtesy and feel that a real gentleman si said uncover in the car of an office building as well as in the elevator of a residence building

Consina Should Not Marry.

should not marry. It would be better and kinder of you to put your relations on a basis of family relationship and do away with the lovemaking. Do not let this girl wait for you on the supposition that you will marry some day. Better be seemingly unkind than marry so near a blood



Madame Isebell's -Beauty Lesson

Hair is composed of the same elements that is, a certain hardening and modification of the epidermis which in the case of the hair forms little tube-like depressions called hair follicles. These tie embeded and sebaceous glands which bring the nourishment, and the hear itself springs out of these follicies. Hair is cellular, it grows by the constant pushing up of the cells always forming at the root. There is considerable difference of opinion as to the life of a single hair and it unhealthy hair should live about Tive years at that period it falls out naturally and a If the hair fulls before it is mature,

is due to some weakness at the hair roots. insufficient nourishment or possibly the being so, the hair that takes its place it the hair follicle will be equally weak and of short life. A condition of mal-nutrition or peralstent disease will result in complete atrophy of the hair fellicle which means that no new hair will push out and complete baldiess results

This explanation of the nature of the origin and growth of the hair shows how necessary it is that the scalp in which the hair follicles are embedded should be kept in healthy condition. A healthy scalp is fat and moves loosely over the skull-It centains a plentiful supply of blood ressels to nourish the hair roots and its surface is free from dandruff or any deposit that may cled up the countless aweat and oil glands with which it is supplied. In this and following lessons we shall take up the various forms of scale troubles and learn how to recognize and

Tome Soitell Mabel D. The chapped lips come fro lack of oil in the skin. You may have ex housted this by biting or wetting the lips and, if so, correct these unfortunate habits at once. Do not use glycerine or the lips; it is too drying. Treat them to a plentiful supply of cold cream at night and rub in a little always before going

Do You Know That

of Lawford, Essex (England), which has when a boy (wenty-three years ago.

Fifty men are now engaged in painting the Eiffel tower in Paris. Forty-five thousand pounds of paint will be used. and the work will cost \$20,000.

London, with 6,000,000 people, has only eighteen murders annually. The United States, with 90,000,000, has 10,000 murders a year. Deggars in China are taxed, and have

certain districts allotted to them in which to make appeals for charity.

Palmouth is probably the oldest port in England. It was used by the Phoenicans at least 2,500 years ago. It is not an uncommon experience to

make \$1,500 per acre from the best strawberry plantations The goldfields of western Australia are the largest known. They cover 224,00

Fifty thousand knives are turned out daily by the Sheffield (England) cutlery workshops.

All the blood in a man's body passes through his heart once in every two min-, utes.

Tobacco pipes of meerschaum are boiled in oil or wax before being sold. The magnella has a more powerful per-

fume than any other flower About 30 per cent of the weight of meat

is Considered



Much thought has been given in late years to the subject of maternity. In the cities there are maternity hospitals equipped with modern methods. But most women prefer their own homes and in the towns and villages roust prefer them. And since this is true we know from the great many splendid letters written on the subject that our "Mother's Friend" is a great help to expectant mathers. They write Dear Miss Fairfax: I am a young man of twenty-three and am deeply in love with a young lady aged twenty-two, who is a first cousin of mine. At present I am not in position to get married but expect to be soon. I have been going out with her for about three years. I want to ask you whether it is right of me to keep her company, and your opinion about cousins marrying.

Science and medicine agree that cousins should not marry. It would be better and knowledge of them should have a helpful influence upon babies of the future. Science says that an infant derives its sense and builds its character from cutaneous impressions. And a tranquil mother certainly will transmit a more healthful influence than if she is extremely nervous from undue pain. This is what a host of women believe who used "Mother's Friend"

These points are more thoroughly explained in a little book mailed free.

"Mother's Friend" is sold in all drog stores. Write for book. Bradfield Regulator Oc. \$11 Lamas Ridge. Atlanta. Gs.