

NNOBLING QUI

the banishment of Adap and from the garden of e has been a quest their kind which has continue. out intermission.

In this question there is shift of turn of our hinds an i, doubt and our eyes, ships of r, doubt and greed. Time lighten of the labor of it, but the chuse himues. All huit, but the chase tinues. All hu-mans are in the truggle, socking something-a cheried ideal or some tangible substance which they would dly clasp to this bosoms and call ir own. But th reward is for the

The faithful and thee who had the achings of the Golden Bre plot Iv and slaccept

titles

ins and de the petrifying fear In makes moral by and are ty and are gards, who sh ands with the ashamed to such that and with the

days shalt thou labor" has no terrors for them, so they shoulder their buris and march on to the end with

writes; friend of thevorking-What would he saysr write today were he alive see the hundreds of thousand of starving women and childen in his native land crying in vin for "a hunk of black breadand a

draft of bird-seed tea?" One need not seek he rich men in order to find tose who mistreat the unfortume poor. Lenin and Trotzky hee bamboozled thousands inf follow-

ing them until the gret power of the Russian people has vir-tually wrested from the to be tually wrested from th Wealth is ave to bisme for

most of the injustices visited upon humanity. Most of those who possess more than the average of material things are aids to our happiness and civilization. It's the classoring after weal in that turns the world upside down and tramples unfortunates underfoot.

As far back as history records some have had more than

Scientists Test Sight of Bees

Experiments Expected to Have Important Bearing on Natural Selection.

COLOR-BLINDNESS AT ISSUE

Years and to Establish Just What Bee or Moth Can See or Not See.

periments will soon be started by three generation of flowers slightly lovelier eminent American scientists to dis- than its predecessors, thus producing cover whether bees and other insects finally the gorgeous natural varieties are color-blind or not. The scientists in existence today. who are now busy inventing devices This theory had been accepted for for testing the vision of bees are Dr. many years, but recently it has been F. E. Lutz, a biologist of the Ameri- rudely shaken. Investigations in Gercan Museum of Natural History; Dr. many and Belgium have made it doubt-J. Arthur Harris, an entomologist of ful whether a bee can tell one color the Carnegie Institution, and Prof. F. from another, or whether the flowers K. Richtmyer of Cornell University, a which are gorgeous to human eyes have physicist and specialist in color vision. any power, by reason of their coloring They form the committee on the bio- to attract the attention of the bees at logical relations between flowers and all. The results have so far been so insects of the National Research coun- uncertain, however, that the American

He

the newest brides among the stars is prese. Soris May. The One actre whow presides over a cl. Their tests of the sight of insects of the sight of insects in scientists and institutions agreed it was necessary to make a far-ruing study of the whole subject. establish just what a bee or a moth | Biologists have attempted to account can see and what it cannot see. These for the coloring of many insects or the film colony at Hollyyears of elaborate experimentation animals, as well as flowers, on the is is a Seattle, Wash., have not been planned by the National principle of "natural selection." The was a San Francisco Research Council and undertaken by plumage of birds and the colors of three eminent scientists solely for the fishes aid in courtship, mating and the purpose of ascertaining a bee's optical increase of the species. Zebras, giequipment. A greater question lies raffes and thousands of types of behind. The controversy about the animals, birds and insects have bee's sight, it is said, involves the camouflage or protective coloration validity of the whole theory of natural which makes it difficult for their selection.

The evolution of man from the lower animals and the evolution of all plant and animal life from a primitive form of life originating on earth billions or hundreds of millions of years ago are almost universally believed by scientists, but the hypothesis that the rT IS a usual question for a young evolution was brought about almost girl to write asking who should take solely by the process of natural selecthe first piece of candy from a box tion has come under attack recently brought to her by a young man caller. from many quarters. This is where And when you come to think of it, the bee's sight becomes important,

Theory on "Selected" Flower.

The theologian holds generally that the beautiful colors of the flowers To begin with, if a man brings a were placed there by the Creator for girl a box of candy, she usually opens the delight of man. The biologist has it while he is present. She then passes generally denied this, and argued that it to any other women in the room, the colors are there because they atthen to the man, and then the helps herself. If he, when she isses it, holds is for her to take the isses it. does so. If the candy comes by mail fertilizes the seeds. Unless they reor messenger, she opens it, of course, ceive the pollen the seeds do not grow. and does not wait until he calls, even The cumbrous phrase of "natural se-If she knows who the candy comes lection" in this case is intended to defrom before opening it, and knows scribe a process probably millions of

which most attracted the bees by their colors or scent were pollenated in greatest numbers, while those less attractive received fewer visits from the bees and tended to die off. In each generation the flowers which pleased the bees most would be "selected" to live. These "selected" parents would have offspring, some brighter than themselves, some about the same as them-Research is Expected to Last for selves and some less bright (that is, of course, bright from the standpoint of the bee, whose standards of brightness might differ greatly from ours). The action of the bees, tending to preserve New York .- A series of delicate ex- the prettiest colors, would make each

scientists and institutions agreed that Their tests of the sight of insects it was necessary to make a far-reach-

enemies to detect them at a distance. The curious coloring of the skunk is supposed to warn his enemies that he has developed a wicked art of selfdefense, while at the same time his colors blend with the twilight, so that the skunk makes a natural part of the skyline to the mice and insects on which he preys. The light of the lady glowworm is her matrimonial advertisement.

While evolution explains thousands of these things, it has many hard nuts to crack. One thing hard to explain, for instance, is the beauty of the pearl, which grows inside the body of the pyster. The pearl is really the mausoeum of a parasite which has invaded the shellfish and is elaborately inurned by it in lustrous calcium carbonate, slightly different from the material of which the oyster makes its shell.

********************** Dog Receives Snake's Fangs to Protect Lad

Hayward, Cal.-A new niche has been set aside in the hall of fame of dogdom for Joan of Arc, an Airedale dog owned by Frank Belval of Hayward.

Belval, his thirteen-year-old son, Robert, and the dog set out on a hiking trip from the Bolinas valley ranch one Sunday afternoon. At a sharp turn in the trail Belvel heard the warning signal of a coiled rattlesnake, He jumped aside barely in time. Before he could seize his son the snake struck. But the faithful dog, seemingly sensing the danger, met the snake in midair, receiving its poisonous fangs upon the lips. One shake and the dog had killed the rattler.

According to Belvel, the snake possessed nine rattles and was almost a yard long. First aid applied to the wounded dog saved its life.

Dust Cause of Ages of Cold

Dr. Harlow Shapley, Harvard Observatory Director, Discusses Climate Changes.

MYSTERY PUZZLE TO SCIENCE

Earth Cooled Off During Long Periods When Sun, Earth and Other Planets Passed Through Region of Dust Clouds.

through a region of space almost entirely free from such material, so that the sun's rays beat with full force on the earth, probably making the polar regions pleasant and the rest of the earth unlivably hot. At present the sun is apparently moving through a part of space thinly scattered with interplanetary materials.

.An Age of Murk.

A few million years ago, according to Doctor Shapley, the earth, the sun and the other planets were moving through a murk which is observed by astronomers in the constellation of Orion. This is one of many vast black New York.-A new theory relating pockets, or "coal sacks," in the sky, some of which may be detected by the naked eye. Behind this veil in Orion are 70 faint stars which vary in intensity. They average about 800 light years (about 180,000,000,000,000 miles) from the earth, which is a moderate distance astronomically, and many of them would probably be very bright, except for the curtain of dark material hung between them and the earth. The density of the curtain apparently varies, from the manner in which the stars behind it are flickering. At the densest, the black nebulae are believed to be very rare, large stretches of vacuum separating the particles of matter. Still they are sufficient, because of the great space they occupy, to blot out stars, and some astronomers believe the sky would be blindingly brilliant except for the smoky patches. The black spot in Orion is calculated to be vastly greater than

clean souls and smiling faces:

These are the real workers, the salt of the earth, the faithful and the trusting, the builders of nations.

Life to them is endurable. It is sweet in the morning when the sun gllds the east, seductive at night when they are tired and sleep comes unbidden and carries them to the land of dreams.

They make agreeable friendships among their co-workers, and always have friends at home who are glad to welcome them.

Their quest resolves itself into one of love, and in holding fast to divine precepts, it soon becomes their absorbing ambition. Their hearts are attuned to heaven's music.

They have no wish to pile up gold, no greed that sours life, no fear of the outcome of their endeavors, no preference, except to do the will of the master and patiently await his reward at the end of their earthly jour-

The idle know nothing of the supreme joys of those who labor and love. If you would have for your own the happiness which pays the richest dividends in life, let the ennobling quest of labor and love be yours until the end.

(Copyright.)

YOUR HAND

How to Read Your Characteristics and Tendencies—the Capabilities or Weaknesses That Make for Success or Failure as Shown in Your Palm.

THE HAND OF A LAWYER.

O JUDGE whether a person is fitted for success in the profession of law, note whether the hand possesses the following characteristics:

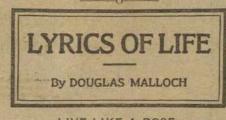
The second phalanx of the thumb (between the first or nail joint, and the rest of the hand) should be long, strong and well proportioned. This indicates good reasoning power, a logical mind, and strong intellect generally. Now, as the will power in a lawyer must be strong, if he or she is to attain any rank in the chosen profes. Beside the way to be a friend, sion, the first phalanx of the thumb must also be markedly strong and well developed.

Next, proceed to an inspection of the Line of the Head. Necessarily, this must be good. Eloquence must accompany the successful career in the law, and this is indicated by various signs, one of them being a decided line running between the second phalanx of the little finger and the third. .(Convright)

others. It will always be thus. Few of those who clamor most for a "fair" distribution would be satisfied if given what they claim is their share. Nor would they keep it long if they got it.

Financial gains can only be honestly acquired by contributing something to mankind in return for it and by improving one's frame of mind.

The world is not all wrong by a great deal. Many are just thinking and living wrongly. Their unhappiness is the fruit of their selfishness. (Copyright.)



LIVE LIKE A ROSE.

HE year is coming to a close; The days are falling one by

Like petals of a dying rose, A bloom that still in beauty goes When all her garden days are done.

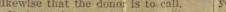
And what is life? It is a year, However many years it span-In childhood's springtime to appear, To live the summer of a man, And then to feel the autumn here.

And what is death? The final day Of life's short year, a day like these When summer puts her garb away And winter winds begin to play Their wild, tempestuous harmonies.

Live like the rose: The roses bloom Not for themselves but for the earth, Pink lamps that garden walls illume-A decoration for our mirth. A holy solace for the tomb.

Die like a rose: Its petals fall, But it is sweetness to the end-Oh; it is something, after all, To be a rose beside the wall, (Copyright.)

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at the

RIGHT TIME

By MARY MARSHALL DUFFEE

CANDY MANNERS.

Feast of nectar 'd sweets .- Milton.

there are a good many puzzling things

involved in the problems connected

with a box of candy.

DORIS MAY

Perhaps the most important thing to remember in connection with the good manners connected with candy is that the person who always greedily eats candy and never buys it is very ill bred. It is the week-end custom for some men to bring home a box of candy. In some families there is one candy-loving member who lies in wait for the weekly sweets and eats as many pleces as she can get. She takes one every time the box is passed, and perhaps helps herself between times. Now it is quite all right to accept candy, if you like it, when it is passed. But you should not eat more than your share, and you should not eat even this much if you are not in the habit occasionally of standing treat yourself. You should, if you have a sweet tooth and eat other people's sweets, provide a box full of your own occasionally.

Candy is one of the gifts that a man may give a woman-candy, flowers and books constitute, the conventional trio. Nobody wonders if the donor of a box of candy to a girl is thinking of falling in love with her. Candy nowadays is quite the correct and accepted gift from anybody that can afford it. And no girl need feel hesitant about accepting candy in this way. Of course, if she thinks a man cannot afford it, but buys it for her simply because he thinks he ought to, she might suggest to him that he really should not indulge her sweet tooth so often. And never, never should a girl hint for sweets. There are some girls who cannot pass a candy store window without casting longing glances at them, and sometimes even commenting on their fondness for candy. No man should feel rude in ignoring these symptoms.

It is not necessary to write a note thanking a man for a gift of candy if he follows the gift shertly with a call. The thanks should not be forgotten, but they may be delivered verbally. (Copyright.).

> ------A LINE O' CHEER

By John Kendrick Bangs.

OUT OF THE ASHES.

F on the shell-torn fields of France; Hard by a charred and shat-Up from the midst of ashen-gloom I saw a perfect rose in bloom, And knew thereby that if from pain

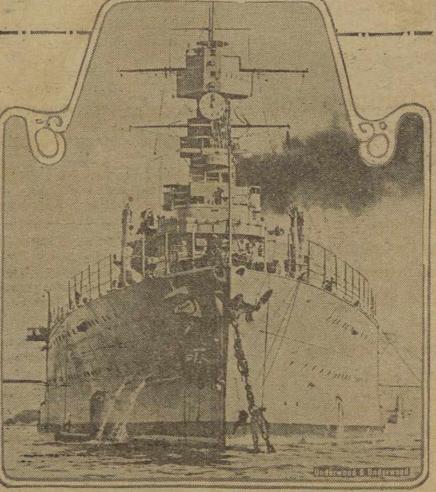
The form of beauty may rise again So too from sorrow deep may we Emerge, and rise triumphantly. (Copyright.)

years old, under which the nowers

Hits Wrong Auto Pedal; Goes Into River; Dies

New York. - Becoming confused as she drove her automobile on to the driveway on the ferryboat Weehawken and placing her foot on the accelerator instead of the brake, a young woman believed to be Miss Edith B. Stewart of Wilkesbarre, Pa., high school teacher, crashed through the iron chains and car and driver disappeared under the waters of the Hudson river. Air bubbles and a number of roses and carnations floated to the surface. The body and the car were recovered.

U. S. S. California Seen Bows-on



A remarkable bows-on view of the superdreadnaught California, at anchor in San Diego bay, which gives a real idea of the floating fort's great long season of cold because of the efbulk and width. She is 971/2 feet wide, or about 50 per cent wider than a wide city-street

to one of the greatest mysteries about the past of the earth has been offered by Dr. Harlow Shapley, the measurer of the universe, whose appointment as director of the Harvard observatory was announced recently.

This mystery concerns the changes of climate over millions of years, which at one time caused the polar icecap to extend as far south as New York and at other times warmed the arctic region so thoroughly that the animals and vegetation of the temperate zone could live there, as shown by fossil remains in that region.

The earth has been cooled off during long periods, according to this theory, when the sun, the earth and the other planets were passing through regions of space filled with clouds of dust or dark, nebulous material, which cut off enough of the sun's heat to freeze most of the globe. At other times, apparently, the solar system moved

our solar system. In a brief account of his theory in the Journal of Geology, Doctor Shapley said that it is calculated that "a few million years ago our sun was, in the vicinity of the Orion nebulae? at its present speed the sun would require nearly a million years to pass through that particular nebulous reglon." After showing how starlight is cut off at present by billions of miles of dust-clouds in Orion, Doctor Shapley proceeded to suggest how the earth would fare when our solar system moved through the same region.

Effect of Dust Clouds.

"A change of 20 per cent in the solar radiation," said Doctor Shapley, "if maintained for a considerable period of years, would sufficiently alter terrestrial temperature to bring about or remove an ice-sheet; an 80 per cent change, unless counteracted by concurrent changes in the territorial atmosphere, would completely desiccate or congeal the surface of the earth.

Doctor Shapley offered this theory as an addition to many other causes of climatic change discussed by Dr. W. J. Humphreys of the United States weather bureau.

There are apparent flaws in nearly all the theories which have been put forward. None of them account for the many far-reaching changes in climate indicated by the geological record.

A period of velcanic activity might cause an age of cold, according to Doctor Humphreys. He calls attention to the fact that the great volcano of Tomboro in the Malay Archipelago in 1815 darkened the sky during the day and night for three days for a distance of 300 miles and produced a fect of the atmospheric dust in intercepting the sun's rays.





