

WHEN LIFE IS LEAVING.

Physical Signs That Foretell the Approach of Death.

There are certain symptoms which are universally recognized as forecasting death. Most of these were recognized by Hippocrates, and it seems strange that very few signs have been added since his day, though millions upon millions of persons have observed others dying.

The Journal of the American Medical Association devotes four pages to an address read by Dr. Thomas F. Reilly, professor of applied therapeutics, Fordham University College of Medicine, before the Harlem Medical association. Space is lacking here for even a summary of this address, but a few points made by Dr. Reilly ought generally to be known.

So long as there is life left in the body in typhoid fever and cholera no doctor can predict a fatal ending.

In acute diseases a pulse that steadily increases in frequency hour by hour generally means early death, if other signs of serious illness are present, in an adult.

Other almost sure indications of approaching death are refusal of the pupils to react to light, glazed pupils, temperature of 108 F. (except in heat stroke) and of 107 lasting more than two hours; persistent and uncontrollable hiccups in any serious illness, the loss of more than half the body weight, gritting of the teeth in the course of fever in adults.

There are other signs which Dr. Reilly classes as folklore, but says are generally true. Among these are a patient to go home or go to green fields, constant changing of position in bed, picking at the bedclothes (except in typhoid) and coldness of the feet and knees.

The Number Seven.

Seven is frequently used as a mystical and symbolical number in the Bible, as well as among the principal nations of antiquity, such as the Persians, Egyptians, Greeks, Romans, etc.

In the Bible we have the creation completed in seven days, every seventh year was the Sabbath year, and seven times seven years ushered in the jubilee. We have the seven altars, seven green withes, seven locks, seven angels, seven eyes which are the seven spirits of God.

In light we have the seven prismatic colors, which make the pure white light.

We have the seven sleepers, seven wise masters, seven wise men of Greece—Bias, Cleobulus, Chilo, Pittacus, Periander, Solon, Thales.

A Milk White Sea.

Occasionally and for some cause as yet undiscovered great areas of the ocean turn milk white. In March, 1904, the passengers and crew of a Japanese merchant vessel steaming at night between Hongkong and Yokohama ran into a snow white sea, not an opaque, phosphorescent surface, but an expanse of pure snow white, having a dazzling effect upon the eyes. The phenomenon lasted for six hours and alarmed the passengers so greatly that not one slept at all that night.—London Answers.

His Advantage.

A bachelor, tall, lean and distinguished looking, approached a care-

city line which is no longer the city line. As you near the old city line from the heart of population the solid blocks of apartments and flats thin out. There follow stretches of waste land, market gardens, cemeteries. It is across this zone between the old and the new city lines that the transit railways throw their surface lines and elevated "extensions," and close behind them are the builders crisscrossing the raw acres with their lines of "frame" and brick.—Simson Strunsky in Harper's.

WALL STREET AT WORK.

The Big Morning Rush, the Lull and the Afternoon Spurt.

Wall street comes to work late, the mail is opened and hosts of problems present themselves therein for adjustment. If Wall street works only five hours it works under pressure. Its telephone is the busiest in the world, and Wall street's chief telephone exchange has a most erratic traffic movement.

Up to 9 in the morning the number of calls passing through the various branch exchanges in Wall street would make the telephone of any rural village ashamed of itself. Yet they handle between 9:45 and 10:15 in the morning the greatest number of calls of any telephone exchange, and in the terms of the traffic engineers the peak of the load is reached. Naturally this is explained by the telephone conversations incident to the giving of orders before the opening of the market and the handling of inquiries which arise from the opening prices on the New York Stock Exchange.

Between noon and 1 Wall street gets hungry, makes engagements and goes to lunch. After that has been arranged the telephone operators get a rest.

Having eaten a comfortable lunch, talked about the morning's business and lighted a good cigar over a cup of black coffee, Wall street's mind again concentrates on the market, and the telephone load immediately begins to rise and soar upward, while the activity, which usually marks the stock market from 2:30 until the closing at 3, is in progress. However, the afternoon peak does not reach the morning peak load.

After 3 Wall street puts on its hat and goes home, leaving the myriads of clerks, stenographers and bookkeepers to straighten out the tangles and clean up the mess which the day's business has brought. There is little time for telephone talk. Everybody wants to get home, and in consequence the number of calls declines sharply up to 6, then fades away for the rest of the night.—Wall Street Journal.

HOW NEW YORK HAS GROWN.

The Metropolis Absorbed Villages as Old as Itself in 1898.

A metropolis grows up in two ways. At first it expands legitimately, adding furlong to furlong of growth. Then it leaps forward and seizes a large area overnight by act of legislature or parliament, sweeping into its net a score of villages and settlements. Then it proceeds to consolidate its position by filling up the intervening spaces. In European cities they have an inner ring, which is the old city, and an outer ring, which may be anything. New York, Chicago, Boston, Seattle, have their inner rings, which are the legitimate city, and the outer ring, which came by the get-big-quick method. New York succumbed to the promoter's fever in 1898. In that year the city absorbed large areas of virgin soil and a chain of independent villages, some of them nearly as old as Manhattan itself. From the sound to the Atlantic they stretch across the backbone of Long Island and the lower harbor to Staten Island, where the local tradition in spite of municipal ferries and promised tunnels has remained at its strongest.

Such frenzied expansion is the reason why the traveler in the nearer suburbs of a great city will often come across a

worn fat man and hear him say: "Hello, Smith," he said cordially. "How glad I am to see you!" But Smith frowned and said in a worried, cold voice: "Beg pardon, you have the advantage of me."

A Tough Meal.

It was a perilous honor to be a tradesman to the court of Philip II. of Spain. His son, Don Carlos (of whose eccentricities Dr. A. S. Rapoport tells in his "Mad Majesties") was once supplied by the royal shoemaker with an ill fitting pair of boots. Thereupon Don Carlos went into a fit of fury, "ordered the boots to be cut up into small pieces, cooked and sent over to the shoemaker for him to eat." According to some accounts, the latter was actually forced to swallow his own boots.

MYSTERIES OF EXISTENCE.

Consider the Case of the Apple, the Potato and the Sponge.

There is life here on this earth that is immortal, that never dies, so biologists tell us. A book by Professor C. M. Child of the University of Chicago tells of observations and experiments of the immortal life of sponges, potatoes and apples.

Take the potato, for instance. You wish to grow a new crop of potatoes, and you do not plant a seed; you simply split the living potato, you divide its substance and place the different pieces of itself into different holes in the earth, and the living potato becomes its own ancestor. The potato you eat today at dinner may be a part of the very potato your great-grandfather ate 100 years ago.

And so with the apple. It is perpetuated by grafting a piece of the tree upon a seedling, and that grafted twig, a part of the very body of the parent tree, grows on into a large tree, and a limb of it, again, is grafted on to another seedling, and so on and on for limitless thousands of years, the original tree living always.

The sponge cell splits itself in two and grows two sponges instead of one, and those two reduplicate again and produce four sponges. The biologist scraped a small sponge from a wooden pile of Narragansett Pier, cut it into small pieces, squeezed the sponge cells from each piece, strained them through fine cloth and put them all into a basin of water. Within an hour the minute cells had collected themselves together again and began immediately to build an entirely new sponge like the mother sponge, of which they were originally a part.

These and kindred facts, as they are accumulated, may throw light on the great mysteries of life and death. Just how it is impossible to see. But the great discoveries have followed the painstaking collecting and comparing of facts that in themselves seemed unrelated and often trivial.

Hugo's Practical Side.

It may not be generally known that Victor Hugo used to draft the advertisements of his own books, instead of leaving the task to his publishers. His correspondence with his Belgian publishers gives the following example of the great novel-

middle ages, the present time: such is the subject of Victor Hugo's double study. What he did for Gothic art in 'Notre Dame de Paris' that he has done for the modern world in 'Les Miserables.' The two books figure in his scheme of work as two mirrors reflecting the whole human life." An encouraging example to those young authors who cannot make up their minds how much modesty is enjoyed by the best literary traditions.—London Globe.

Teakwood.

Teakwood is used in India for general purposes in house and ship building, for bridges, railway sleepers, furniture and shingles. It is also used much for carving, the Burmese carved teak being especially noted.

Teak has in the past been used to some extent for gun carriages, but it is not at present considered well adapted for this purpose, as it has been found that it splits too readily to be thoroughly valuable in artillery work.

Teak is strongly and characteristically scented, is of oily texture, and the surface feels greasy to the touch. Teak logs when first cut will not float. The wood darkens with age, and after a number of years becomes almost black.

Language Puzzles.

Not alone are the so called Maya inscriptions, found on the ruins in Yucatan, a puzzle to scientists, for those two great nations, the Etruscans and the Hittites, went out of the world leaving archaeologists in a maze. The Etruscans occupied a part of Italy corresponding roughly to what is now known as Tuscany. The Hittites at one time occupied a part of Palestine and united with the Canaanites to resist the invasion by the Israelites under Joshua. The Etruscan and Hittite inscriptions have thus far resisted the attempts of scholars to decipher them.

The Storage Battery.

The correct technical term for the fluid in a storage battery, which is often called acid, is electrolyte. This fluid is a mixture of four and a half parts by volume of distilled water to one part of pure concentrated sulphuric acid. Should it become necessary to replace it on account of loss by spilling or leakage the strength above indicated should be used, but evaporation loss should be made up with a more dilute acid, consisting of ten parts of water to one of pure concentrated sulphuric acid.

Origin of Fasting.

The custom of fasting is not of Christian origin. It was certainly observed by the Jews long before Christianity was known, as well as by most of the other nations of antiquity. Asceticism has always been popular in the earlier stages of religion and is still the dominant idea in Buddhism and Brahmanism—two of the oldest of all religions.—Exchange.

A Bottle Barometer.

Fill a bottle or tube with alcohol in which you have dissolved a piece of camphor. About one cubic inch of camphor to half a glass of alcohol is the right proportion. Cork the bottle tightly and the barometer is ready for use. If the weather is to be fair the alcohol will remain clear. If the alcohol is cloudy the weather will be rainy. The higher the cloudiness rises in the bottle the rainier the weather will be. Be careful to keep the bottle tightly corked, so that the alcohol and the camphor will not evaporate.

Reynolds and Two Pictures.

Sir Joshua Reynolds having become a great man, it was but natural that the town council of Plymouth, near Plymouth, where he was born, should elect him mayor. In acknowledgment of the honor he painted a fine portrait of himself and presented it to the corporation. He wrote to a friend asking him to see that the picture was hung in a good light. This friend not only did so, but hung a poor picture alongside of it in order to heighten the merits of Sir Joshua's work by contrast. Then he informed Reynolds of all the trouble he had taken. In thanking him Sir Joshua told him that the poor picture had been painted by himself (Reynolds) in early life.

An Abstract Idea.

At a card party at Charles Lamb's Hazlitt and Lamb's brother got into a discussion as to whether Holbein's coloring was as good as that of Van Dyck. At length they became so excited that they upset the table and seized each other by the throat. In the struggle Hazlitt got a black eye, but when the combatants were parted Hazlitt turned to Talfourd, who was offering him aid, and said: "You need not trouble yourself, sir. I do not mind a blow, sir. Nothing affects me but an abstract idea."

Old Time French Engravings.

The eighteenth century French engravers attached much importance to the frame of festooned flowers and foliage surrounding the subject, and this frame frequently was done by an engraver other than the one dedicated to the central picture. The "fleur-de-lis" or little tailpiece, serving something the same purpose as a remorque, also occasionally had a separate engraver.—New York Times.

Not So Commendable.

"The Gadsbys make you feel quite at home in their house." "An admirable trait." "Not in their case." "No?" "Their way of making you feel at home is to quarrel acrimoniously in your presence."—Birmingham Age-Herald.

A Measure of Economy.

"Ritcrux says he is not appreciated in his own community and that hereafter he will send all his humorous stories to publications in distant cities." "A very good plan too. He wants to make a little wit go a long way."—Richmond Times-Dispatch.

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Administrator's Notice of Final Settlement.

Notice is hereby given that the undersigned administrator of the estate of Isidore Pontallier, deceased, has filed his final account as said administrator, in the County Court of Yamhill County, Oregon, and that said court has appointed Monday, March 27, 1916, at 11 o'clock A. M., of said day as the day and hour for the hearing of objections to said final account and the settlement thereof.

Now, therefore, all persons interested in the estate of said deceased are hereby notified and required to appear at the County Court room at the Court house, at McMinnville, said County and State, at said time to then and there show cause, if any there be, why said account should not be settled, allowed and approved, and said estate forever and finally settled and discharged. Dated March 16th, 1916.

Herbert G. Crocker, Administrator of the estate of Isidore Pontallier, deceased.

Clarence Butt, Attorney for estate First Court March 16, Last April 19.

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Administrator's Notice of Final Settlement.

Notice is hereby given that the undersigned administrator of the estate of Elizabeth A. White, deceased, has filed his final account as said administrator, in the County Court of Yamhill County, Oregon, and that said court has appointed Monday, March 27, 1916, at 11 o'clock A. M., of said day as the day and hour for the hearing of objections to said final account and the settlement thereof. Now, therefore, all persons interested in the estate of said deceased are hereby notified and required to appear at the County Court room at the Court house, at McMinnville, said County and State, at said time to then and there show cause, if any there be, why said account should not be settled, allowed and approved, and said estate forever and finally settled and discharged. Dated this 24th day of February, 1916.

William E. White, Administrator of the estate of Elizabeth A. White, deceased.
Clarence Butt, Attorney for estate.
First Court February 24, 1916.
Last March 27.

Graphic and Semi-Weekly Journal, one year, \$2.00.