

HAVE LIQUIDS PORES?

A Curious Experiment That Seems to Prove That They Have.

It is not easy to imagine liquids as having pores, though this seems to be the case as shown by certain familiar experiments. When a certain amount of powdered sugar is slowly poured into warm water the water will dissolve the sugar and appear to absorb it without increasing its volume. Similarly, when alcohol is poured into water the resulting volume is less than the sum of the two volumes.

For instance, if fifty parts of water and fifty parts of alcohol be mixed together they will make only ninety-four parts. Apparently one of the liquids has entered into the "pores" of the other. This experiment as commonly performed in laboratories consists in putting measured quantities of the two liquids together, but the effect would be far more striking were it possible for students to see one of the liquids actually "soaking" into the other. This can be done in the following way:

Take two glasses, one filled to the brim with water and the other with alcohol. In order to show the effect to better advantage color the alcohol with red ink. The glasses should not be over full—that is, the surface of the liquid should not bulge above the rim of the glass.

When everything is ready place a sheet of paper over the glass full of alcohol and with a hand on the paper to keep it down on the rim of the glass invert the tumbler and the liquid will remain in the glass owing to the air pressure on the paper. Now place the inverted tumbler over the glass full of water and carefully draw out the paper. This can be done without spilling a drop of alcohol, and yet as soon as the paper is removed the alcohol will commence to drop.

Owing to the fact that it is colored it is possible to see the alcohol actually "soaking" into the water while tiny air bubbles that were formerly contained in the "pores" of the water rise slowly to the top of the tumbler. This will continue for some little time until a considerable air space forms in the top of the tumbler.

College Training.

In the American Magazine Dean Herman Schneider of the engineering school of the University of Cincinnati says:

"Our colleges might well take to their classrooms a lesson from their athletic fields. No athletic trainer would think of putting track candidates into the grand stand and giving them a lecture on the theory of jumping hurdles, followed by a demonstration of his own. A team trained in this wise, presented with diplomas and sent to compete with youths who had learned to race and hurdle in the hardy burly competition of the corner lot would make a pitiful impression."

The Dead Watch.

During the rebellion of 1745 a highlander came into possession of a watch. The thing was strange to him and its use unknown to him, and its beauty and its constant ticking gave him pleasure. That night the watch ran down and the ticking ceased. The highlander now was disgusted with his toy and sought for some one to buy it. A purchaser was soon found at a low price. When the watch and the money had changed hands the highlander, chuckling over his bargain, said, "Why, she died last night."—London Express.

Origin of Hockey.

The oriental origin of hockey is proved by the fact that it is often mentioned by Arabian writers in the earliest days of Islam at a time when France and England had no national existence. They speak of it as *koura* and describe it as a game in which the ball is struck with a curved stick called *mihdjaz* or *suladjan*. The latter word is Persian, which seems to indicate that the Arabs learned the game from their neighbors of Iran, who first taught them civilization.

Killed by Imagination.

A workman on the Siberian railway was accidentally locked into a refrigerator car and was afterward found dead. Imagining that he was being slowly frozen to death, he had recorded his sufferings with a piece of chalk on the floor. The refrigerating apparatus, however, was out of order, and the temperature in

the car had not fallen below 50 degrees Fahrenheit throughout the journey.

Ivory.

It is said by scholars that no word in Biblical Hebrew denotes an elephant, yet the Hebrews were familiar with ivory, and the skilled workmen of Hiram, king of Tyre, fashioned the great ivory throne of Solomon and overlaid it with pure gold. See I Kings x, 18; II Chronicles ix, 17.

The Original Lovers' Leap.

Sappho's Leap was the name given to a white cliff or promontory anciently called Leucadia, now Cape Ducato, at the southern extremity of Santa Maura, one of the Ionian islands. It was so called because Sappho, the poetess, is reported to have thrown herself from this height into the sea. A criminal, with birds attached to him to break his fall, was thrown from the cliff at the annual festival of Apollo, and if he reached the water unhurt he was picked up by a boat placed there for that purpose. This is the rock from which, according to the story, lovers throw themselves in order to be free from the pangs of love.

Finding His Place.

"The best workmen sometimes make the worst foremen," says Dean Herman Schneider in the American Magazine. "There is the case of a drayman for a big jobbing house who was promoted to foreman because of unusually faithful and loyal work. Forthwith he grew fretful and worried, then his health began to fail. He proved to be one of the most incompetent foremen ever employed by the firm. One day he asked for his old job and became once more happy and efficient."

An Ibsen Theory.

In one of the published letters of Ibsen he says that while he was writing one of his plays he had on his desk an empty ale glass with a scorpion in it. Now and then the reptile would grow sick, and the author would throw a piece of soft fruit to it, whereupon the scorpion would fall upon the food furiously, empty its poison into it and then get well again. "Is it not a good deal like this with us poets?" Ibsen continues. "Nature's laws apply in the domain of the spirit also."

How We Breathe.

Men and women do not breathe alike. In a woman the breathing is from the thorax or chest, while in a man it is mainly from the diaphragm, which is lower down. This peculiar difference is so marked that it is possible to recognize by it a woman disguised as a man, although the disguise may be faultless in other respects. Physiologists say this difference is not due to sex, but owing to artificial conditions, such as the wearing of corsets.

THE DEATH DICE.

Dramatic Climax to a Test Used in a Trial For Murder.

There is shown in the Hohenzoellern museum a gift of the German emperor, the "death dice," with which one of his ancestors decided a difficult case in the seventeenth century. Their history is an interesting one.

A young girl had been murdered. Suspicion fell upon two soldiers, Ralph and Alfred, who were suitors for her hand. Both the accused men denied their guilt, and even torture failed to extract a confession from either of them.

Then Elector Frederick William decided to cut the knot by means of the dice box. The two soldiers should throw for their lives, and the loser should be executed as the murderer. The event was celebrated with great pomp and solemnity.

Ralph had the first chance and threw sixes, the highest possible number. The dice box was then given to Alfred. He fell on his knees and prayed aloud: "Almighty God, thou knowest I am innocent. Protect me, I beseech thee!"

Then he rose to his feet and threw the dice with such force that one of them broke. The whole on showed six, the broken one also gave six on the larger portion and the fragment split off showed one

MARKET REPORT

The following are cash prices quoted on Thursday of each week by our dealers:

Wheat.....	2 50
Oats.....	70
Flour, per sack.....	3 35
Butter, (Country) per roll.....	70
Butter Fat (net).....	36
Eggs, case count, per dozen.....	27
Hens, per pound.....	14 to 15
Geese, per pound.....	10
Turkeys, per pound.....	17
Ducks, per pound Pekin.....	18
Ducks, Indian Runner.....	17
Pork, dressed.....	16 1/2
Veal, per pound, for shipping.....	12 1/2

Typewriter ribbons 65c at the News office.

This was a total of thirteen, one beyond Ralph's throw. The audience held its breath in amazement.

"God has spoken!" cried the prince.

Ralph, appalled by what he regarded as a sign from heaven, confessed his guilt and was sentenced to death.

Married His Grandmother.

There lived in the village of Arretton, Isle of Wight, some years ago a young man who was betrothed to a young woman. Both were poor and in humble life, but the grandfather of the young man had money, and he fell in love with the young woman and proposed marriage to her. The girl told her lover. He was displeased, but, having pondered over the dilemma, saw a way to extricate himself and his sweetheart from the same. "Marry him," said he to the girl. "He is rich. He cannot live long. When he dies you'll have his money and I'll have you." She took the advice. By the marriage she became the young man's grandmother. Not long after the old man died, and then she wedded her first betrothed.

Your Child.

Does your child break into the conversation when you have visitors?

Does he leave his clothes lying all over the house?

Does he eat surreptitiously between meals?

Does he lay his hands on almost anything he wants to make something out of without asking your permission?

Does he come down late to breakfast?

Does he say "Huh," "Gee?"

And, if not, why not? You are his parent, and he is living in the United States of America.—Life.

Test For Butter.

Here is a test for butter so simple that any housewife can put it into successful practice: A clean piece of white paper is smeared with a little of the suspected butter. The paper is then rolled up and set on fire. If the butter is pure the smell of the burnt paper is rather pleasant, but the odor is distinctly tallowy if the "butter" is made up wholly or in part of animal fat.—Chicago News.

The Mexican Letter Writer.

As many of the lower classes in the City of Mexico can neither read nor write, the Mexican letter writer does a thriving business. He writes letters of all kinds—love letters, begging letters—it matters little to him so that he is paid for his work. These men are found in the plaza of Santo Domingo, a sort of market place, where second hand articles are for sale.

Consulting the Sage.

No Korean couple would think of marrying without consulting the sage, who fixes the happy day for them. This he does simply by adding the bride's age to the bridegroom's, and after determining which star rules the destiny of their united ages he decrees that the wedding shall take place upon the day sacred to that star.

Patriotic, but Ignorant.

A very raw recruit was being put through an examination in geography wherein he proved himself astonishingly ignorant. At last, after a failure on his part of unusual flagrancy, the examiner scowled at him and thundered:

"Idiot, you want to defend your country and you don't even know where it is!"

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