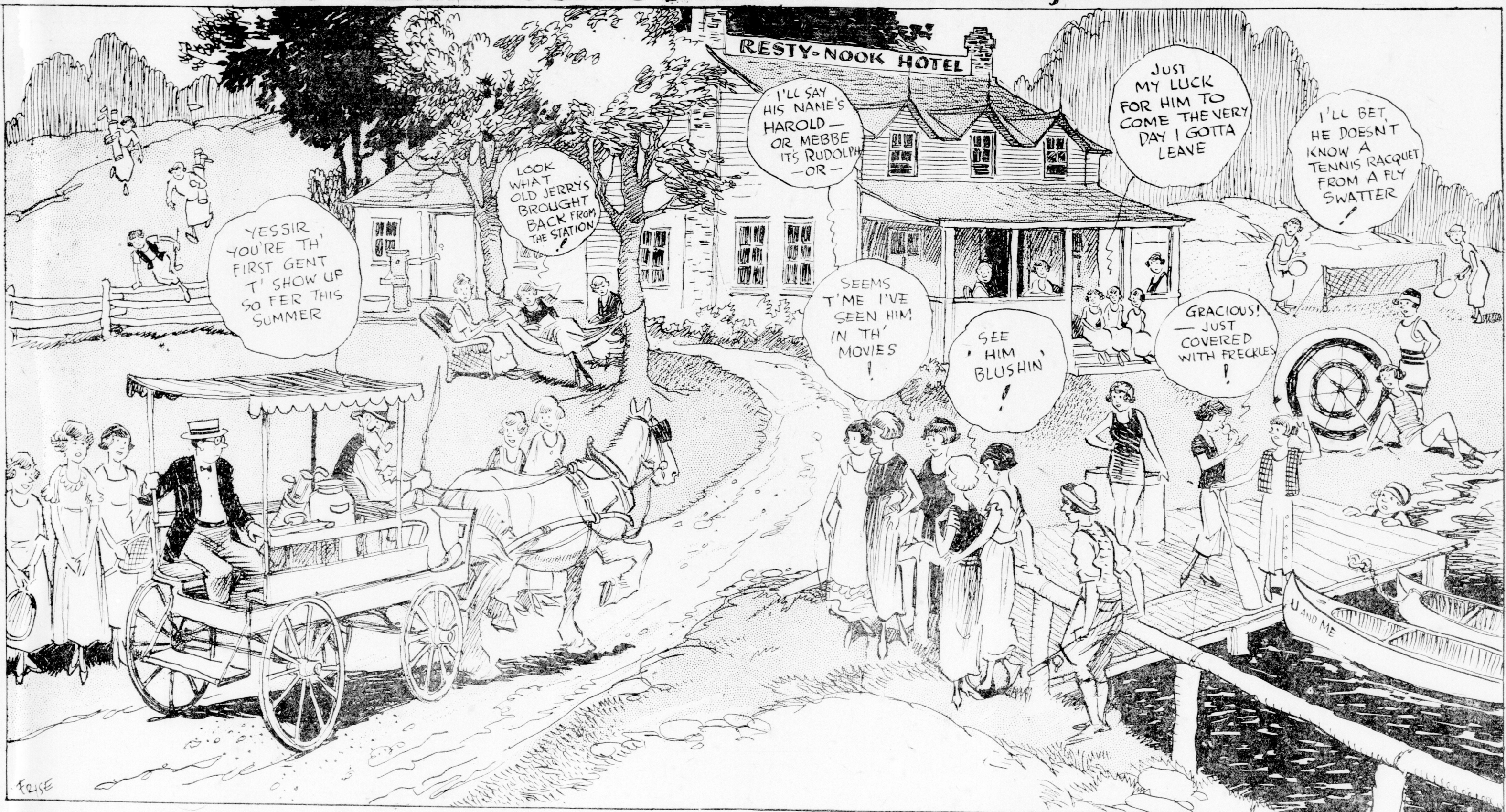


Life's Little Comedies ~ The First Male Guest Arrives ~



Chemistry is Blazing a Path to Health; Gives Doctors New Ways to Destroy Disease

A REVIEW of the great life-saving advances brought into the practise of medicine by chemical research during the last twenty-nine years, since Pasteur's revolutionary discoveries, is given in a booklet called "Chemistry in the Service of Medicine," issued by the committee to extend the national service of Harvard University.

Copies of the booklet were made public yesterday in support of the campaign to raise a \$10,000,000 fund for the university, including \$3,000,000 for new laboratories and the endowment of chemical research, so that chemists and chemistry teachers may "carry forward the tireless search for knowledge in medicine through chemistry."

The booklet begins with a statement by Dr. William J. Mayo, of Rochester, Minn., who says that many of the advances in surgery, as well as in medicine, are due to chemistry, and that further progress in the prevention and cure of disease in the future is to be expected from the development of that science.

Dr. Mayo cites the treatment of diabetes as an example of the aid of chemistry to surgery as well as medicine. In the past, in cases where complications called for surgery, surgeons dreaded to operate because of the high mortality rate, he says.

"Today, on the other hand," he goes on, "as a result of the recent discovery of insulin by Banting and his associates, together with our more accurate understanding of the chemistry of metabolism, a diabetic patient can now undergo any necessary surgical procedure with a risk only slightly greater than that of a non-diabetic individual."

Dr. Edwin E. Slosson, director of Science Service, says in a foreword to the booklet that the chemist has opened the way to "a new epoch in medicine in which the treatment will be nearer to nature's ways." The present practise of medicine, he goes on, is "more like feeding than druging," in that the physician through chemical knowledge is growing more and more able to restore natural substances into the body, instead of giving doses of foreign substances.

The main part of the booklet discusses chemistry's contributions to medical progress, as follows:

"It is not surprising that the science of chemistry is a key to much of our modern medical progress. The microbes which destroy us do so by producing from the various compounds which they find in our systems deadly poisons, and the anti-bodies which nature creates to combat them are but other compounds which combine with the poisons to form harmless substances. Chemistry in the hands of man can aid nature in the battle against poison in his own body."

"The very recent work of Dr. Felton of the Harvard Medical school in the purification of pneumonia antitoxin illustrates the promise of this type of research."

Closely Guarded Secret

"BAYER 205," discovered in the same way as Salvarsan, promises as a cure for African sleeping sickness to make half a continent habitable. Unhappily for the cause of

Dr. Mayo Quotes Dr. Banting and Insulin—The Germans Holding Secret of Sleeping Sickness Cure—Saving of Hundreds of Thousands of Lives a Year From Pneumonia Preparation in Near Future.

humanity, it is being held a closely guarded secret by the Germans because of its trading value in the struggle for colonial possessions. Meanwhile the French and British are bending every effort toward its rediscovery through research.

"There is ground for hope that optochin, a derivative of quinine, may become a specific for pneumonia—it kills the germs in the glass vessels but is still too poisonous to be used in sufficient quantities in the body. The saving of hundreds of thousands of lives a year will be the reward of success in this field. It is no less hoped that some modification of thymol now used with considerable success will completely eliminate the hookworm from our southern states."

"Extracts from various plants stumbled upon long ago in man's blind search for health have



Uncle Sam's Experts

UNDER the direction of Dr. William V. Linder, chief chemist of the United States Bureau of Internal Revenue, Uncle Sam has analyzed this year approximately eighty thousand samples of bootleg liquor. Ninety-five per cent. of the samples contain various ingredients to kill a man in one fair-sized drink.

been purified by the modern chemists. For example, chaulmoogra oil, a nauseating natural product, is now broken up and the pure acids combined with ethyl alcohol are injected hypodermically into lepers. Many cures have already been reported; leprosy appears to have been brought under positive control.

"Caffeine has long been used by physicians as a diuretic. It has always proved uncertain and unreliable. Theophylline now replaces it. Examples could be multiplied of the development of entirely new specifics and the improvement of known drugs."

"Besides the development of cures for specific ills, spectacular advances have recently been made in the isolation and preparation of the natural secretions of body organs, such as insulin, only lately isolated and prepared for use in the treatment of diabetes."

"Another well-known derivative of natural secretions, epinephrin (adrenalin) can now be manufactured. It reduces the amount of anesthetic required in operations, allays the spasms of bronchial asthma, sustains the heart in operations and reduces the danger of death from heart failure in pneumonia."

"A new field has been opened up in the study of vitamins. It has been discovered that cod-liver oil contains substances which prevent rickets in children deprived of adequate sunlight. Here again is progress without complete understanding. It is still a mystery why these vitamins cause phosphates and calcium to combine into bone structure without entering into the combination."

"In addition to the discovery and refinement of specific remedies and the isolation and preparation of body secretions, chemistry has been of great aid in the development of anesthetics, germicides and many other aids of surgery."

"The cooperation between chemistry and medicine must never be lost. It has come into being within the last century. From this day chemistry and medicine must go forward hand in hand in every institution that is attacking the problems of medical research or medical training. Harvard medicine needs Harvard chemical equipment."

Came For Damages But Soon Changed His Mind

HE was a Swedish farmer, in North Dakota, and his cow had been run over by a railroad train. So he put on his best Sunday clothes and went to the railroad company's office. After waiting three hours he was brought into the presence of the third assistant attorney for the railroad, to whom he stated his case.

"I bane t'ank I got some damages," he said. The lawyer consulted a big book.

"My friend," he said, "I sympathize with you. Your cow, as far as I have been able to investigate, was a perfectly respectable cow. But she was trespassing upon our private property. And you, as her owner, were participes criminis. Now, I can show you here, in Standard Oil Company versus International Marine Corporation, ex rel the state of Texas, the supreme court of the United States clearly upholds our contention.



Seeks to Arise From Czar's Ashes

GRAND DUKE NICHOLAS is said to be working on a plan to unite the two million or more Russian refugees throughout Europe for the purpose of seeking control of Russia and overthrowing the Soviet regime. It is planned to establish a democracy modeled after the United States. The Grand Duke Nicholas is said to be carrying about the ashes of the late Czar Nicholas and members of his family, hoping thus to arouse sufficient interest in his project. Plans have been sent to all the refugees asking that they contribute a franc a month to a common fund and it is even rumored that a project has been started for the canonization of Czar Nicholas and his wife, thus bringing about a union of the Russian and Roman churches.

If we pushed this matter to the uttermost there is no telling what penalty the highest court might inflict upon you. But we are disposed to deal generously with you. Have you any proposition to make?"

The Swede's eyes blinked a great many times. Then: "I bane only poor farmer," he said, "but I give you two dollars." — Chicago Herald and Examiner.

He Wanted to Know

HE had had many strange and wonderful adventures in Africa, so he said. Directly he got talking with any of his pals he mounted his favorite hobby-horse and he was invariably very much put out if he was not accorded the attention which he considered was his due.

On this occasion he was the centre of an interested (?) group at the club.

"Yes," he was saying in sepulchral tones; "hardly had I taken aim at the lion on my right when I heard a rustle in the jungle grass, and, seeing an enormous tiger creeping up on my left, I found myself on the horns of a dilemma." "And which did you aim at first?" inquired one of his bored listeners very quietly; "the lion, the tiger, or the dilemma?"—Answers.

Current Wit and Wisdom

Sparkling Paragraphs From the Columns of Our Clever Contemporaries

No doubt children of 1890 had "individuality," also, but the neighbors thought it cussedness. — Vincennes Sun.

Cases of twins occur only once every sixty-nine births and they usually pick out a small house when the family is poor. — South Bend News-Times.

A baby who won't "show off" when there's company probably is one trying to teach its parents a little polite modesty, but they are usually too fond and foolish to realize it. — Lebanon Reporter.

It isn't the harmfulness of rouge and other beauty aids that impresses us, but their utility. — Lake County Times.

About the time home-grown strawberries get cheap they are off the market. — Indianapolis News.

A man will risk his life to get across a street when the traffic is against him, and then stop on the other side to light a cigar. — Goshen Democrat.

One of the most striking differences between a cat and a lie is that a cat has only nine lives. — Mark Twain.

A band of saxophone players, 65 strong, is roaming the land. It is believed this instinct for traveling in packs is purely for purposes of self-defense. — Detroit News.

It is stated that steam-laundries do not kill germs. If we may argue from its effect upon our line the operation must at least make the average germ feel dreadfully giddy. — Punch.

Many people have resolved to take their holidays late in the season to avoid the rush of people taking their holidays early in season to avoid the rush. — Passing Show (London).

It is estimated that automobiles have increased good roads 87 per cent, and bandits 76 per cent. — Jackson Clarion-Ledger.

Business is reported to have turned the corner. Let it be hoped that it has turned in the right direction. — Boston Transcript.

This is the time of the year the college seniors worry over how much money bricklayers are making. — Harrisburg Patriot.

Six authors are concerned in a London revue to be produced shortly. If they separate at the fall of the curtain, some are bound to escape. — London Opinion.

Nature is wise. In arranging mortal's hinges she knew he would have little occasion to put himself on the back. — Passaic News.

Democratic party emblem is a donkey and once in a while convention despatches seem to hint that whoever made the selection guessed right.

In the interest of economy, it is suggested that the dry navy and the rum fleet hold a conference to limit their capital ships. — Life.

A man who can speak six languages has just married a woman who can speak three. That seems to be about the right handicap. — Punch.

A doctor says that a man may be drunk through suffering a severe shock. So that you need not even drink the whiskey. It's sufficient to pay for it. — Punch.

It is estimated that there are 125,642 born leaders in America who have no followers and therefore despair of the American people. — Dubuque American-Tribune.

Mr. Lloyd George wants to unsheathe the liberating sword of Hampden, Cromwell and Gladstone. It looks as though he is contemplating a haircut at last. — Punch.

According to Sir Arthur Keith, man's jaw has drooped half an inch since prehistoric days. Not much of a drop, considering the budgets he has had to put up with. — Punch.

Sulking, squandering, smoking, swigging and spooning are poor substitutes for grandmother's smiling and saving and sewing and sweetening and sanctifying. — Christian Statesman.

It appears that what we were assured was John Barleycorn's death-rattle was, in fact, a gurgle. — Columbia Record.

I reject the conception that humanity is incapable of effort unless inspired by a selfish motive. — Mr. Oswald Mosley.

All President Coolidge needs is a suggestion of some way to make the Japanese regard exclusion as a compliment. — Boston Globe.

Of course, the cold spell had one thing in favor of the man. It made prospects for one straw hat for the season bright. — Buffalo Commercial.

You can never be sorry enough for the girl who suffers because she feels that life is passing her by and leaving her nothing. — Lady Nott-Bower.

God made the country, but the car in front makes you cat it. — Saginaw Evening Star.

New York is to have a new newspaper—presumably for Munsey to buy. — Memphis News.