

SIDELINES

A. M. Zarem
KEEP CHICAGO AHEAD.
 A more hypocritical slogan could not have been adopted by our city fathers if they had actually set out to do so. At our last gubernatorial election the Democratic machine in Chicago set out to "beat Governor Horner." During the ensuing fight, Chicagoans were given a chance to observe what politics gone bad can do.

ACTS OF VIOLENCE, such as slugging, bombing, and the like were committed openly. Ballot boxes were stuffed without reservation. Innocent voters were threatened in various ways and the casualty list was long in spite of the fact that Governor Horner ordered the state police into the city to insure a fair vote. All of the tactics of the underworld were brought into play while public interest mounted to a feverish pitch.

Here it seems was the acme of present outrages. Motivated by an interplay of political forces plus the desire to damn such tactics, the people of Chicago voiced their disapproval. Within a month after Governor Horner's reelection, the whole matter quieted down. Slowly but surely the newspapers "turned their guns" and before long the whole thing had died. How easy it is to forget!

YES, CHICAGO FORGOT, but today, even as before, Kelly Nash pushes a button, Mr. Patrick snaps a whip, and the marionettes (representatives of the people, if you will) in the state capitol do as they are instructed. The efficiency of this little combination has been dramatically depicted for us many times. Their latest playlette started some three weeks ago and is still running.

Despite the will of the people of Chicago, as represented by the presence of various civic groups, the house committee on municipalities has been delaying hearing on five city manager plans. Sessions of this committee have been postponed time and again—for the most trivial reasons. Excuses are made by the dozen, yet nothing is done to alleviate the conditions which exist.

JUST HOW LONG is Chicago going to let itself be robbed of its prestige from within? How long will politics, flourishing under a system that is rotten all the way to the core, be allowed to dominate and regulate the lives of some three and a half million people? Who is responsible for these conditions? You get no answers under our present form of city government. There is too much "passing of the buck."

With a city manager there could be no such "passing the buck." Responsibility is definitely fixed. If something goes wrong with, for instance, the garbage disposal (as it did recently) the public will know where to go for an answer to the question: Why? Under Mr. Kelly, the public is told where to go for an answer.

NO POLITICAL MESS is so ensnared that a city manager system cannot straighten it out. We have only to look at the city of Cincinnati, which is the most notable example, to see the obvious advantages of a city manager plan.

Campus Club to Have Advisory Committee

Professors Fulghum, Harris, and Oldenburger will soon become honorary members of the Campus Club and act as an advisory committee with Professor Mangold as chairman.

The Campus Club is an organization whose principle aim is promotion of interest in extra-curricular activities. W. Waite is the president of the organization. The only membership requisite is good all around congeniality. The Club does not compete for members against the fraternities, as is a general impression; fraternity men are actually included in its membership. A standing invitation is always extended to all students to come up to the club in Chapin Hall and get acquainted at any time.

Physics Talk—

(Continued from page one)

which was the glorification of it. Thus was the fourth basic idea was the axiomatic principal.

In the nineteenth century further application of this axiomatic system brought about the developments of heat, light, and electricity. The fifth basis of physics was therefore a unification of physics through axiomatic principals.

The statistical conception of physics worked out by Willard Gibbs showed the manner in which phenomena may be investigated on a statistical basis and constituted the sixth of Dr. Haas' ten ideas and the last contributed before the twentieth century.

The modern philosophical ideas were worked out by Einstein, Planck, Haas, Heisenberg, Bohr, Rutherford, and others. Max Planck originated the quantum theory, which explains that energy occurs in positive integral multiples of a fundamental unit. Einstein on the other hand originated the theory of relativity (all statements of time and space are only of relative significance.)

It was at this time that Newton's discarded corpuscular theory of light was revived and given fresh impetus from work on the photon-electron effect. However, the undulatory or wave theory of light was so well established that it couldn't be completely disowned. This led to a correlation of both in wave mechanics.

One of Dr. Haas' most important works came from the working out of a structure of atoms from quanta.

N. U. Hears Potter on 'Contact Potentials'

A system for measuring the contact potential between metallic surfaces was described by Mr. J. G. Potter of the Armour faculty in a talk before a teacher's group at Northwestern University last Thursday evening. The text of the discussion was based on experiments made by Mr. Potter and by Mr. A. T. Waterman of Yale University.

Use High Vacuum Tube

The method devised by the authors was for measuring the spontaneously arising voltages between unlike metals. The size of the voltage developed depends entirely on the conditions between the surfaces and is always the same with the same conditions. The measurements are made while the surfaces are in a large pyrex glass tube evacuated to almost complete vacuum.

Essentially Kelvin's Plan

The plan of measurement is essentially the same as that used by Lord Kelvin in 1898, but the metals used in the present undertaking are in the form of fine wires which are heated electrically almost to their melting points in order to clean them. In the present work Kelvin's electrometer is replaced by a radio set amplifier, while the small electrical capacity between the wires under investigation is made to vary rapidly by setting one of the wires into vibration. This is accomplished by passing a small alternating current through it in the presence of a magnet supported outside the glass tube.

Senior Civils Tounce Soph Firemen, 26-3

The senior civils trounced the sophomore fire protects Thursday last by the terrific score of 26 to 3. The sun was shining brightly and it was a lovely day for a ball game, but what a ball game was played. The sophomores kicked, fumbled and tossed the ball all over both the infield and outfield, with no discrimination. On the other hand the seniors played heads-up ball.

Ikenn led off with a double for the civils, followed by a walk, while an error at third loaded the bags. Machulis stepped up to the plate and laced one to right, cleaning the bags with a homer. By a series of startling coincidents the next three men were retired. The fire protects took their first bats in outs, one, two, three. The civils loaded the bases again in the second only to unload them when a pop fly was dropped out in the garden. This satisfied their run-gathering appetite for this inning.

The payoff came in the ninth. Clean hits with bases on errors and a dash of luck was mixed by the civils into a lovely cake of eleven runs, while the sophomores were held scoreless.

Junior Mechs Trim Sophomores

Slugging fiercely the junior mex emerged victoriously 11 to 5 in their first softball encounter of the season against the soph M. E.'s. Bill O'Brien using his wide, sweeping, underhand, slow ball was the winning pitcher with superb assistance by his mates. The sophs played a wild game featuring a multitude of errors in the way of wild throws,

fumbled flies, and careless infielding. Abe Hoffman was the losing pitcher.

The highlight of the contest was Simeon's long homer over the left field fence. The juniors pulled themselves out of several tight spots. At one time the bases were loaded with no outs, but they pulled themselves out of the hole without admitting any runs. The upper-classment scored six of their runs in the first inning.

Junior Firemen Hold Civils, 3-2

Taking a one run lead in the fourth inning, the junior fire protects marched to a 3-2 victory over the sophomore civils last Tuesday afternoon, in a nine inning opening game.

Although playing with only eight men, the Civils held their opponents for the first two innings and then opened the scoring themselves. A soph got on base and Tullgren lined one to drive in the first score of the game.

The fire protects, however, immediately retaliated when Parker sent a long one out to center and Beardsley lined one through short to drive him in. In the fourth, Downing took the only homer of the game with a long liner against the fence. Dunbar drove one out to get on base, and Lange connected, driving Dunbar in for their third score.

Oldenburger to Show Pictures of Norway

Addressing students and faculty at Notre Dame University, Professor Rufus Oldenburger will lecture next Friday evening on the subject, "The International Mathematical Congress Last Summer." He will remain as a guest of the University for the weekend.

Dr. Oldenburger was a delegate to the International Mathematic Congress held at Oslo, Norway, during July, 1936, representing Armour Institute. He will show slides of the palace where the mathematicians were guests of King Haakon of Norway, the University buildings where the Congress convened, sessions of the delegates, and famous mathematicians who attended the Congress.

These slides will also be shown by Dr. Oldenburger at the meetings of the American Mathematical Association which is to be held at De Kalb, Illinois, on May 14, and later at the Men's Mathematical Club of Chicago.

On Saturday, April 31, he will lecture at Notre Dame on "Higher Dimensional Determinants." Dr. Oldenburger is a world-wide authority on this phase of mathematics and is likewise noted for his research in algebra in general.

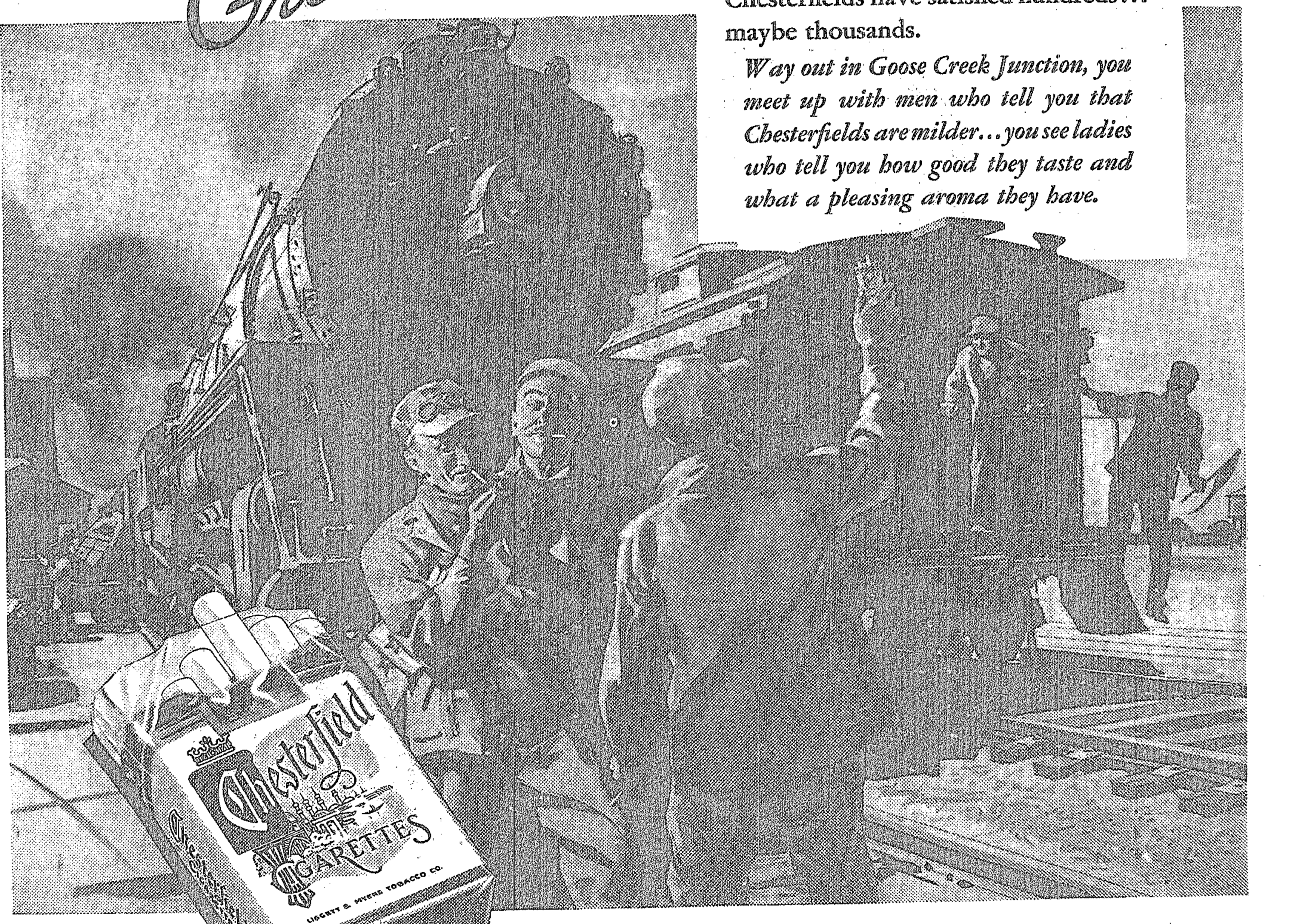
VICTORY RESTAURANT
 WE DELIVER ORDERS PROMPTLY
 PHONE: VICTORY 1838
 Give Us A Trial and Be Convinced

3035 Wentworth Ave.
 We back to announce a very suitable eating place, where everything we serve is prepared to the highest quality in food and cooking material. The best health insurance is: "PURE FOOD, Well Cooked." Here you will always find a combination of GOOD FOOD, SERVICE, CLEANLINESS AND FINE FRIENDSHIP THAT WILL BE CERTAIN TO APPEAL TO YOU.
 SPECIAL NOON DAY LUNCHEONS
 Our Prices Are Very Popular, Profit Sharing Prices

On either side of the Great Divide ... men like 'em ... women like 'em

In the Big Town, you see lots of empty packages. That means that pack after pack of refreshingly mild, good tasting Chesterfields have satisfied hundreds... maybe thousands.

Way out in Goose Creek Junction, you meet up with men who tell you that Chesterfields are milder... you see ladies who tell you how good they taste and what a pleasing aroma they have.



Going East... or going West ... Chesterfield satisfies 'em.