

JUICERS CONQUER FIRE PROTECTS IN TOUCHBALL BATTLE

F.P.E. Squad Sees How a Winning Team Functions

Electricals Seek Competition

Just to show that if Armour Tech had a football team it would be a darned good one, a group of junior electricals and fire-protects, plus several stray men from other departments, got together last Friday morn to play a game of football. Because of inadequacy of equipment, etc., the touch tackle type of the sport was resorted to. Nobody was hurt and a good time was had by all.

The real reason for the game was, that between the third year electricals and the fire-protects of the same rank, each group thought it was "par excellence" plus. Plainly speaking, the other bunch was just a plain, lousy, bum, no-good flock of "Electricals." The challenge could not be denied. The teams lined up on opposite ends of the gridiron adorning Ogden Field, but alas and attack. Facing eight E. E.'s, on the east end of the field, were twelve noble sons of the F.P.E. variety. What to do was the question of the moment. "We'll take 'em all," shouted one of the "Ever-Eadies." Response across the field was, "Take another dozen men." To the rescue came the spectators; two senior civils, raising the hopes of the outnumbered. The other spectator, a photographer without a camera, played informal referee.

Tie Score First Quarter

The shock troops of the E. E. team kicked off to the fire-fighters as the opening whistle blew. The receiver attempted to climb a ladder over his interference but was nabbed after a forty yard gain. Here they were stopped and forced to kick on the fourth down, the ball being returned to the five yard line by an aspiring E. E. On the next play, the passer was rushed and tagged behind the goal for a safety and two points for the F. P. E.'s. A nice free kick put the ball deep in enemy territory and in a few plays, the Electricals turned the trick and chalked up a safety to tie the score just as the gun blew to end the quarter.

The next two periods were uneventful except for one or two completed passes and several attempted end runs. Lateral passes were also of the pooh-pooh variety. Comes the fourth and final quarter of the game. Both teams are desperate and throw passes thither and yon. Most of them are intercepted or never get there. E. E.'s organize first and score on a long pass that curved away from the intended receiver, to a floater out in midfield who coasted into the goal as the opponents stood dumbfounded.

Both Teams Score Again

True to the old tradition, the Ever-Eadies "struck while the iron was hot" and scored again on a short pass through center, about knee high for strike two. The receiver had his nose on the ground and was demonstrating how to fall on the ball and catch it at the same time without dropping it. This aroused the Free Period Eces (pronounced Aces) unto their skins. Taking the kickoff on their own goal line, they started the march across field and scored a belated touchdown on a short pass just over the goal. This time the receiver did a juggling act but no opponent was near enough to mess it up. The final whistle blew and the stands rose to their feet. It was the 11:30 bell.

Practice for Indoor Track to Begin Soon

The indoor track season will start in about three weeks at the University of Chicago field-house and all freshmen who have any ability are urged to try out for the team.

Armour will start its track practice with the loss of two valuable men Sademan and Oberbeck; this is of importance to the team since they were two of the leading scorers. Sprinters and middle distance men are needed, although new material can be used in almost every department.

Practice will be held at the Uni-

TECH BOXERS VS. DUNCAN 'Y' TEAM AS SEASON OPENS

When an athlete actually states that he feels better after a workout than he did before said exertion, he must be in condition. One of Herr Weissman's leather-pushers was heard to make the above break, and here's hoping it is true of all the boxers—they have a meet in two weeks. Manager Castanes has secured a debut for this season's activities, and incidentally for all school athletics. It takes the form of an exchange of bouts with Duncan "Y" the west-side department; at the "Y" on November 17th. If possible, a few wrestling bouts will be tossed in, and as previously stated, the "musclers" are ready and willing.

Excepting heavy and light heavyweights, the boxing team should and will make a strong showing. As many as forty men have been reporting to practice recently, and from this group, vets and lesser lights, the coach should call out a capable group of athletes. The evening should see about 8 or 10 men in action. It is probable that a return match will be scheduled with Duncan early in December, with Armour the scene of activity.

Tournaments Drawing New Men

With the intra school tournaments drawing closer, activity in both boxing and wrestling, is present in such volume as to make one's presence in the gym a hazard. These tournaments are among the latest additions to the Tech sports schedule and are open to all except lettermen. Anyone desiring to initiate himself with the intricacies of the sports should certainly list himself as a competitor. All weights and sizes are included.

The wrestling team has no definite program as yet, but it is the finest group that has ever prepared to open a season for the old Alma. With at least three powerful and scrappy heavyweights and men in the two lighter divisions the team is balanced. New men in the middleweights might shove out some of the old names as the meets draw near. This competition certainly assures the team of strenuous practice and consistent turnouts. So, bring on the schedule, the team is ready!

Greek Fives Practice for Basketball Tilts

Interfraternity basketball begins November 13 when Delta Tau Delta has its practice for the tournament which will start November 27. Each fraternity is allotted one afternoon of practice in the Tech gym prior to the games. Phi Pi Phi won their fifteenth consecutive title last year and have good material this year from which to pick another championship five.

The Phi Pi Phi's have captured 5 permanent trophies and this year are set upon getting the first leg on their sixth prize. Although the Phi Pi's are the favorites their opponents claim to make a contest of the tournament this fall.

The pairings for the first round are: Delta Tau Delta vs. Rho Delta Rho; Theta Xi vs. Sigma Alpha Mu; Beta Psi vs. Phi Pi Phi; Kappa Delta Epsilon vs. Phi Kappa Sigma; and Triangle drew a bye. These games are to be played November 28 and 29, two games each night. The first four teams play the first night and the last four the second night.

Practice Schedule

Nov. 13—Delta Tau Delta.
Nov. 14—Rho Delta Rho.
Nov. 15—Theta Xi.
Nov. 16—Sigma Alpha Mu.
Nov. 20—Triangle.
Nov. 21—Beta Psi.
Nov. 22—Phi Pi Phi.
Nov. 23—Kappa Delta Epsilon.
Nov. 24—Phi Kappa Sigma.

versity field-house, from the third week in November until the end of December. No meets are as yet scheduled during December except the interclass relays which will be the nearest semblance of a meet held in that period.

Although no definite schedule has been decided upon yet, Chicago University, Loyola, and North Central will undoubtedly be on it. These schools always have sent out good track teams and with the material Armour already possesses the outlook is anything but optimistic unless there are freshmen who can really run.

John Schommer Gives Radio Talk

Last Friday Prof. John Schommer spoke over the radio on Pat Flanagan's Sport Revue at 6:00 P.M. It consisted of questions and answers; the questions were asked by Pat Flanagan and dealt with football and the duties of the football officials and the answers were supplied by Prof. Schommer. Their conversation went something like this:

Flanagan: "What effect would the widening of the football field, as suggested by coach Slip Madigan of St. Mary's, have upon football?"

Schommer: "The widening of the field, say, from 10 to 20 yards, would result in a wide variety of sweeping end run plays and lateral passes; in general it would make the game of football more open, which most likely would meet with the popular approval of the football fans."

Flanagan: "Are the football officials ever wrong in their decisions?"

Schommer: "In the direct application of the rules the officials do not err, but in matters of judgment as to whom to award the ball after a fumble when the action is rapid and marked by a pile up of players the official is apt to make an erroneous decision. The same applies to ruling on a touchdown where the play is half hidden by a pile up or to the determination of whether or not the

ball passes between the uprights on a field goal attempt."

Flanagan: "Do you inspect each player before the game?"

Schommer: "The officials inspect the players to see that they are properly dressed before starting the game. This is hardly necessary any more since seldom do we find the players donning illegal equipment, such as lead foil under the tape on their hands, steel support built in their uniforms, and the like. The present day college football player is a good sportsman and does not resort to the tricks employed in the olden days."

Flanagan: "What, in your opinion, was the most thrilling play that you had to judge?"

Schommer: "In the dedication of the Ohio State Stadium before 92,000 spectators the most thrilling play came up, one that might have proven a turning point in this hard fought game. It was a question of who should be awarded the ball because of interference on a long pass—the decision was double interference, which meant the down had to be replayed."

Flanagan: "You speak of interference. How do you know if it is accidental or intentional?"

Schommer: "In order to determine this the official usually watches the player's eyes. If he is watching the ball and collides with another receiver it is evident that he was making an earnest effort to play the ball

Oil Engineer Gives Speech to A.S.M.E.

The average motorist feels that he has done his duty to his car if he has enough water in the radiator in summer, enough alcohol in winter, and keeps the engine fairly clean. The average motorist knows that besides his regular supply of gas, he needs oil when the filling station attendant says so, but the study and work that has gone into the manufacture of the oil which he has in his engine is unknown to him. It was on this subject of lubrication that Mr. R. O. Butterfield, engineer of the Vacuum Oil Company addressed the Armour A.S.M.E.

Show Temperature Effects

Mr. Butterfield pointed out the primary question of the effects of temperature on the lubricant. High engine temperatures tend to thin out, or dilute, the liquid, so the oil must have sufficient heaviness to withstand these temperatures. But at the same time, it must be light enough to keep from solidifying when

and the collision with the opposing player was accidental. However, if this player were to watch his opponent rather than the ball it is necessary to note all the many interfering tactics this player might employ in order to spoil the chances of his opponent in completing the play."

the engine is standing still in cold weather, and to atomize easily in order to spray moving parts.

In speaking of distribution, he mentioned that the oil must have small resistance to flow, so that it may circulate easily. This is often difficult to do in engine designs which make circulation of oil very hard. "High capillary attraction is a necessary property for 'flowability,'" said Mr. Butterfield.

Mentions Oil "Character"

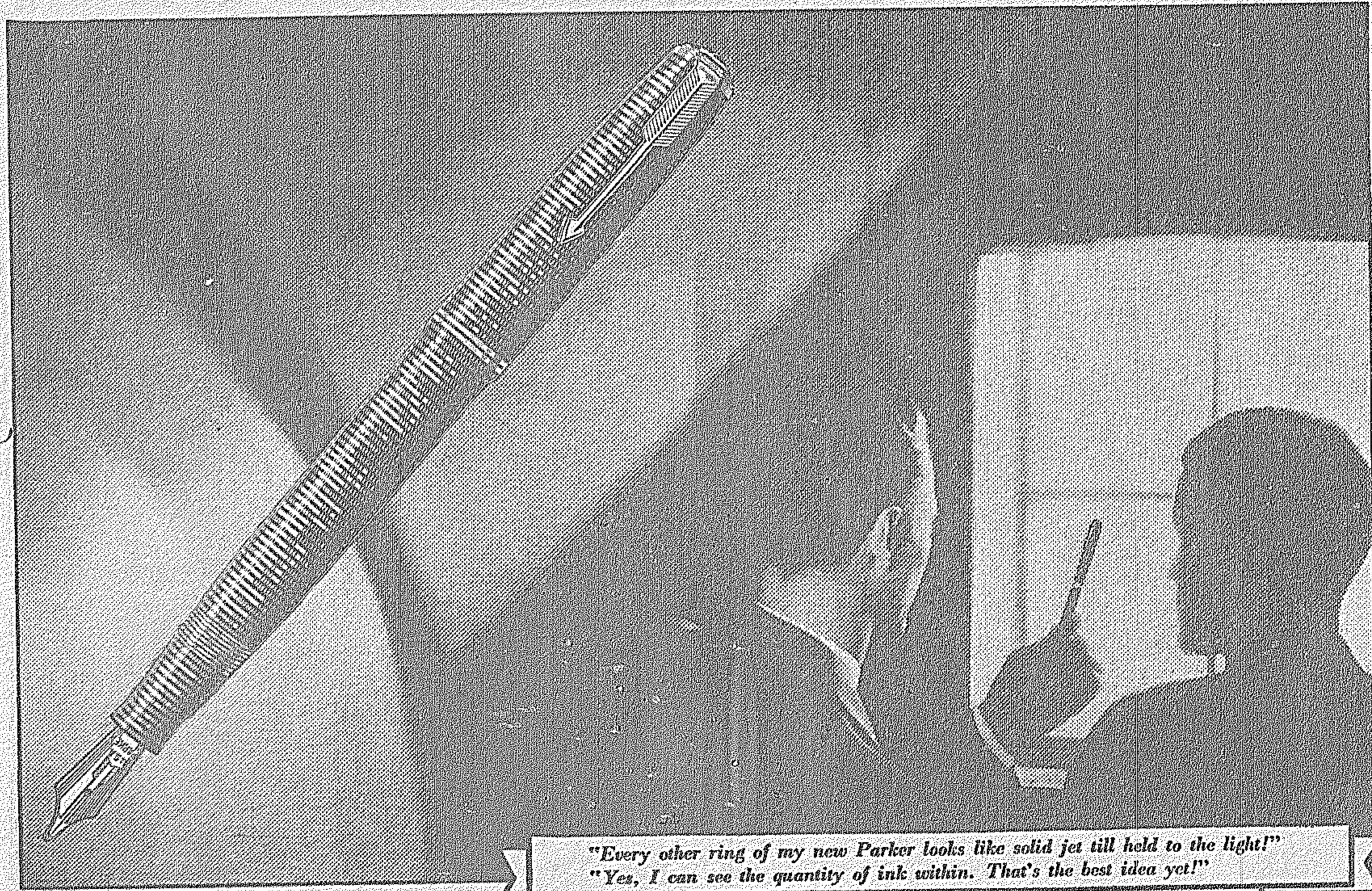
Due to high piston action, which throws off any large quantity of liquid oil, the lubricant must have great adhesion to the piston walls, and present a smooth, wax-like surface in order to keep motor parts from rubbing. The oil penetrates the surface of the metal in the engine, and keeps smooth action. This power of a good oil is an indefinable property which is called the "character" of the lubricant.

Especially in the present era of high compression motors and more pep in pickup is carbon a dangerous element in engine efficiency. The right kind of oil can minimize collection of carbon when used in the right way. A heavy oil which will burn cleanly will do the job, but, and this may surprise many motorists, to burn oil cleanly the engine must occasionally be heated up to a high temperature, since the oil is made for a heat generating engine. If it is cool too long it remains too heavy and fails to burn cleanly.

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