

**FOOTBALL THOROUGHLY DONE.**

New Book Just Published by Messrs. Camp and Deland.

If anything, whatever, necessary to a knowledge of football, from any standpoint, is omitted from the work on that sport just issued from the press of Houghton, Mifflin & Co., it is not our fortune to be so erudite on the theme as to discover it. The book is the one compiled by Messrs. Walter Camp and Lorin F. Deland.

Of course it is thorough in its study of the science and technique of the sport. Nothing less could possibly be published by these authors. It is quite a natural thing to find that a football player and coach plunges at once into its discussion and explanations and its diagrams and plots. He never before found anything in which he could so revel. Lots of good things have been published on the game, but they have all fallen short of the completeness and elaborate perfection of the countless points of the sport's science, strategy, development and possibilities, which are reached in this work.

But this is not the point about the book that will interest the general public. Much as every lover of sport likes to see a football game now-a-days, only a small percentage of those who shout at Manhattan Field or Hampden Park care to know too definitely just how it is all done. A battle is a sight inspiring and absorbingly interesting to everyone who is fortunate enough to have a bullet-proof spectator's seat, but military science is not a popular study. There is, however, a great amount of material about the preparations for war that do interest everybody, if properly treated.

So it is about football, and the point about this last work on the subject is that its authors know what points are of popular interest, as well as what points are of technical importance, and know well how to present the former.

**SOME ILLUSTRATIONS.**

We have already indicated the general divisions of the work, showing its wide scope. Here are a few clause extracts demonstrating the thoroughness of the work. The first is under the head of "Three Points of Measurement":—

"There are three positions at which a measurement can be taken to define the relative places of the men who act as interferers with the runner. The first is when the ball is put in play; the second, when the runner receives it; and the third, when the runner makes his break,—that is, attempts to go through the outlet. At the first of these three periods of the play there are three points for consideration: the protection of the quarter during his pass, the deception of the opponents regarding the direction, and the quick starting of the entire body of men used in the play. At the second period—when the runner receives the ball—there are two principal considerations: first, to render its reception secure, and with that is involved the question as to which side of the quarter or the half back certain interferers should pass; and, secondly, to protect the runner for a moment from behind in case a man shall have broken through too rapidly, and with this goes, naturally, protection in case of a poor pass or a fumble by the runner when attempting to take the ball. At the third period—that is, when the runner makes his break on his own account—there are two great considerations to be observed; first, how to make his opening as safe from obstruction by either friend or enemy as possible; and, secondly, how to push or drag him along in case he fails to come free."

And here is something on kicking a goal, which is to say the least, not without definiteness in its very practical directions. It is under the head of kicking:—

"The points to be noted, and which the kicker will be better for learning, are that he must establish a thorough sympathy with his plater, and that he should never become impatient or hurried in giving his instructions. Moreover, if he sees that the plater is nervous or shaky in his hands, he should

stop and tell him to take the ball up and wait until he steadies down. There is no need of haste, as the time is taken out. The plater himself should also feel at liberty to stop and take a rest if he finds his hands becoming unsteady.

"If ever there is a time when dependance must be placed upon calm, collected steadiness, it is when a touch-down is being converted into a goal, and the frequent failures to kick goals that we see every season are, many of them, inexcusable. One of the most common errors that is seen in placekicking is that of endeavoring to allow for the wind by the aim of either the foot or the ball alone. The ball is, for example, aimed well off toward the side from which the wind is coming, but the kicker kicks straight at the goal. This is the usual fault. Less common, but still not infrequently witnessed, is the mistake of aiming the ball at the goal and then kicking off toward the wind. The only way to kick a goal properly when allowing for a wind is to bear in mind that the foot must hit the ball in a line with the long axis; in other words, a line drawn from the heel of the kicker's foot straight through the middle of the sole of his shoe should when continued, pass directly through the middle of the ball, so far as any side to side variation is concerned.

"Another thing to be borne in mind when kicking in a hard wind is, that there should be more force put into the kick. The harder the ball is driven, the less the wind will swing it, and a light kick will not only be swerved from its direction more easily, but will often, on account of meeting with that resistance, sail off and fall short of the goal. This, of course, applies to side winds as well as to head winds. When the wind is a following one, pains must be taken to cock the ball up well, especially on short kicks, for a new ball with a wind behind it goes low—unexpectedly low at times."

And so it goes all through the book. Whether it is talking to the spectator, the coach or the players, the directions are of the most simple kind, the wisdom always practical, the viewpoint rational. W.

**New Courses in the Graduate School.**

The total registration in the Graduate School now amounts to 225, an increase of 50 over last year. The following additional courses have been offered:

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Professor Porter has offered the following courses: Biblical Theology of the Old Testament, Biblical Theology of the New Testament, Palistinian Jewish Literature, Hellenistic Jewish Literature, The Foundation of Judaism, New Testament Christology.

Doctor Bacon has also offered a course in the History of New Testament Literature, and one in the Teachings of Jesus.

Professor Beers has offered a new course, entitled "Renaissance and Queen Anne's Period."

Professor Penfield and Doctor Pratt have offered three new courses in Mineralogy, one in Crystallography, and one in Original Investigation in Mineralogy and Crystallography.

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