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LiveAbout uses cookies to provide you with a great user experience. Using LiveAbout, you accept our use of cookies. Chris Kitani With dozens of camera angles used for a football game show on TV, why did no one ever think to give us the ball with an eye view? Because with a spheroidal spiral at speeds of up to 600 rpm, the football camera will produce unwatchable, sickening shots. But what if it's not? Imagine the footage of a football being captured if it flew down a gridiron without spinning. This is what researchers from Carnegie Mellon University and the University of Electro-Communications in Tokyo have developed using an algorithm that analyzes footage shot by a built-in football camera as it spirals across the field. Looking at the images of the sky, the algorithm selects and removes all the shots taken while the camera stands in the sky. He then stitches together down shots into the panorama. The resulting video (see below) is still a bit jittery, but researchers think they will soon be able to produce instant video with smooth, wide shots of the football field strips below. Project manager Chris Kitani told pm that the algorithm was an easy part. There's already been a lot of work on image sewing and creating panoramas from a few small images, he says, so I just used all that well-known technology. He spent much more time prototyping the camera, which began as a spongy volleyball with a USB camera in it that Kitani rolled down the track. Eventually he became the ball Nerf with a GoPro inside. Next, Kitani hopes to see what he can do with several cameras inside one ball. This content is imported from YouTube. You can find the same content in a different format, or you may be able to find more information on your website. Kitani was surprised to find inspiration in a 1938 popular mechanics article featuring a 16-millimeter movie camera set in a balsa wooden football. When we started, I did what every researcher does, Kitani says. I went and Googled the ball and the camera and saw what came out. When I saw the popular mechanic article, I was like, woah, someone had already done it! (Welcome, Chris, although I doubt that the quality of the video of our 1938 efforts matches yours.) Kitani says the project is just one of a growing number of beginnings in the field of digital sports. Digital sport is an area of research that has focused on how technology can be combined with sport to do different things... how to increase spectator experience, analyze the activities of athletes, and even create completely new games and sports that were not possible before. Expanding your field of vision is not the only way to change your athletic viewership. Kitani also wants to develop a sensor to detect football hit that can send a signal to your cell phone to make it vibrate. Kind of like vibrating chairs on the Studio. You can see ballCam in action below, but heads up: The video shows how the finished product is ready and spinning raw footage, so it can cause dizziness. This content is created and supported by a third party and is imported to this page to help users provide their email addresses. You may be able to find more information about this and similar content on the piano.io Amwell/Photodisc/Getty Images There is no definitive record for the longest football throw in history, but many believe former NFL quarterback Vinnie Testaverde's 80-yard throw in the 1988 quarter-challenge contest earns the title. The NFL does not keep statistics on the distance of actual passes, and there is no such Guinness Book of Records. Testaverde, a former Heisman Trophy winner, played a total of 21 seasons in the NFL with the Buccaneers, Browns, Ravens, Jets, Cowboys, Patriots and Panthers. Known for being an incredibly strong hand, the two-time Pro-Bowler has thrown 275 touchdown passes and more than 46,000 yards during his career. Ironically, he also lead the league in interceptions four times, and his 35 in 1988 rank as the second-highest in NFL history. Derived from the English game of rugby, American football was started in 1879 with rules introduced by Walter Camp, a player and coach at Yale University. Walter Camp was born on April 17, 1859, in New Haven, Connecticut. From 1876 to 1882 he studied at Yale University, where he studied medicine and business. Walter Camp was an author, sports director, chairman of the board of the New Haven Clock Company and a director of Peck Brothers. In 1888-1914 he was general sports director and head football coach at Yale University, and in 1888-1912 - chairman of the football committee of Yale University. Camp played football in Ele and helped develop rules of the game from rugby and football rules to the rules of American football as we know them today. One of the forerunners of Walter Camp's influence was William Ebb Ellis, a student at the school of rugby in England. In 1823, Ellis was the first person to be honored for taking the ball during a football game and running with it, thereby breaking and changing the rules. In 1876, at the Congress of Massooyth, the first attempts were made to write down the rules of American

football. Walter Camp edited all the rules of American football until his death in 1925. Walter Camp has made the following changes from rugby and football to American football: one side has maintained undisputed possession of the ball until this side relinquishes the ball as a result of their own breaches of the line of scrimmage11 on the team instead of 15-year-old defender and central position forward passstandardized scoring system, numerical scoringcreated safety, interference, penalties, and neutral zone scoring as low as the knee was allowed - 1888a touchdown increased in value to six points and field goals up to three points - the 1912 NFL or National Football League was formed in 1920. A1903 Princeton and Yale football game was filmed by Thomas A. Edison brief history of football in the world. world highest goal scorer in the history of football. world best dribbler in the history of football. world best player in the history of football. world best goalkeeper in the history of football. history of women's football in the world. list of world best player in the history of football. history and development of football in the world

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