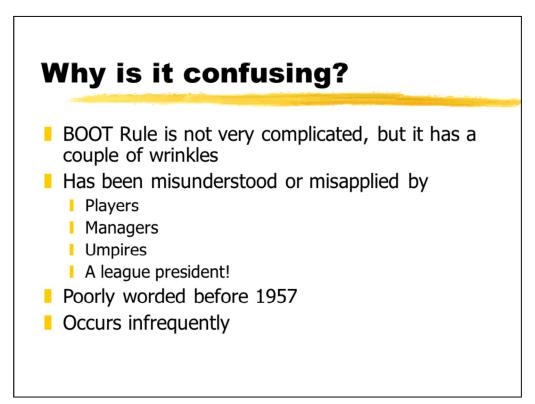
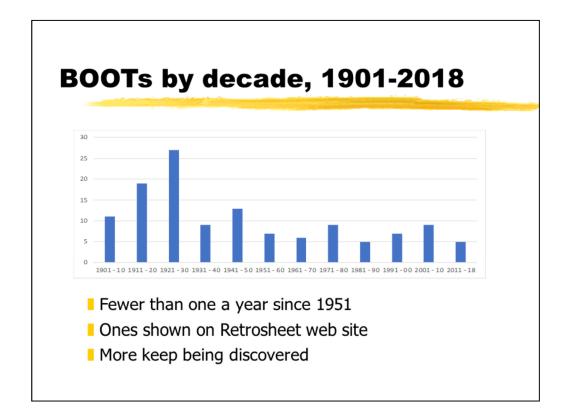


Notes provide additional information and were reminders during the presentation. They are not supposed to be anything close to a complete text of the presentation or thorough discussion of the subject.

Use Acrobat Reader's ability to enlarge what appears on the screen if you have trouble reading a graph or table.

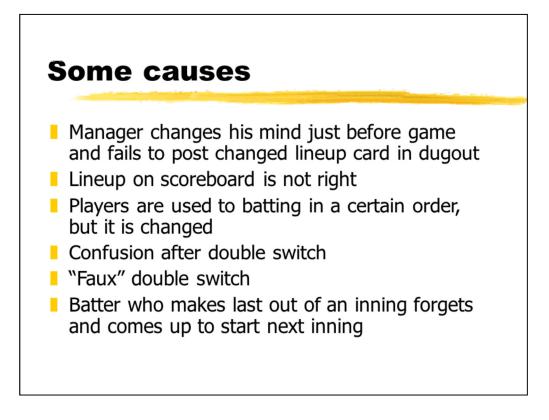




Most recent one was May 9, 2018.

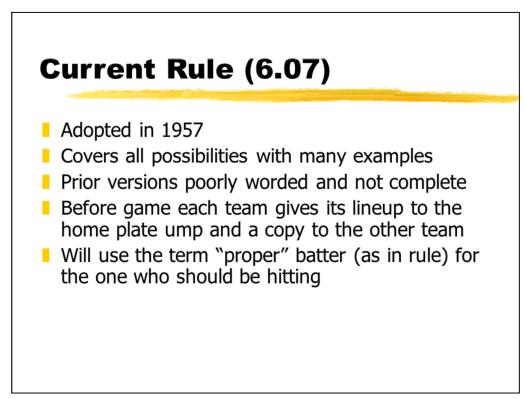
Retrosheet BOOT page: https://www.retrosheet.org/outturn.htm

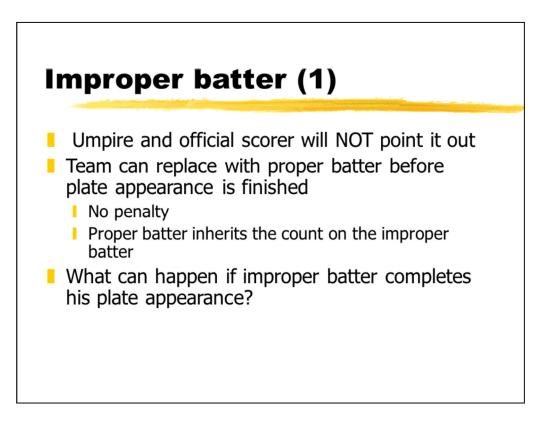
Some are technically not BOOTs, but have similar characteristics (see web page for details).



Faux double switch has happened when there was a pinch hitter (for the pitcher) who reached base and was run for. The pinch runner stays in the game and goes to the field. If he bats in the spot of the replaced fielder rather than the one where he pinch ran, it is a BOOT.

HP ump will assume that players coming into the game bat in the same spot as the positions of the ones they replaced or moved to the position unless the manager goes out and tells the ump what the new batting order is. Players coming into the game may not realize there was a double switch and will come up out of order unless the manager or the coach tells them not to.

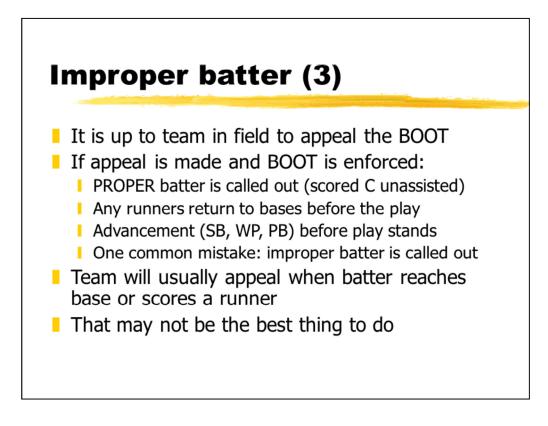




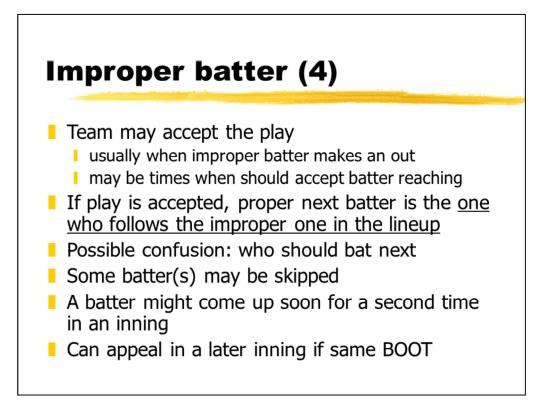
Official scorer does not get a copy of the lineup given to the umpire and other team, so may not know if an improper batter comes up.

## **Improper batter (2)**

- Basic rule:
- If BOOT is called, play is nullified, proper batter is out, next in lineup after proper one bats
- If BOOT play is accepted, lineup position resets and proper next batter is the one who follows the improper one in the lineup



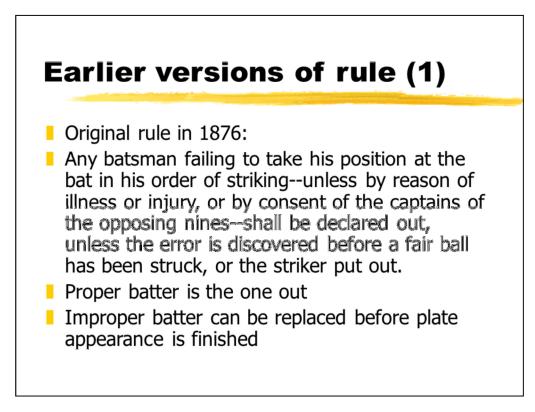
Will see some examples of when it would be better to let the improper batter reach base.



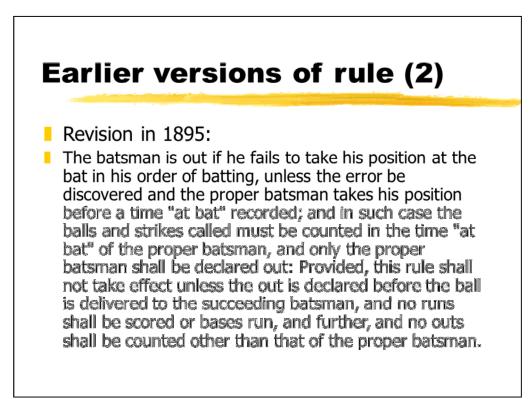
Strange things can happen due to lineup position being reset. One or more batters may come up more often than normal and others may miss a turn at the plate.

It is possible that batter due up is on base. In such a case, his turn at bat is skipped and the next player in the order bats. (Don't know if this has ever happened or how it was dealt with, such as a courtesy runner.)

Contrived example of how a player could get two hits in an inning due to a BOOT. Assume the pitcher is not batting ninth (DH or sometimes in NL game) and manager interchanges the "normal" #2 and #9 hitters. Lead off batter hits a homer and normal #2 batting #9 in the lineup comes up and makes an out. Team in field does not appeal and team batting realizes what has happened. So #1 hitter is now the proper batter and comes up and gets a hit.



Substitutions were not allowed in original rules except as shown in the rule.

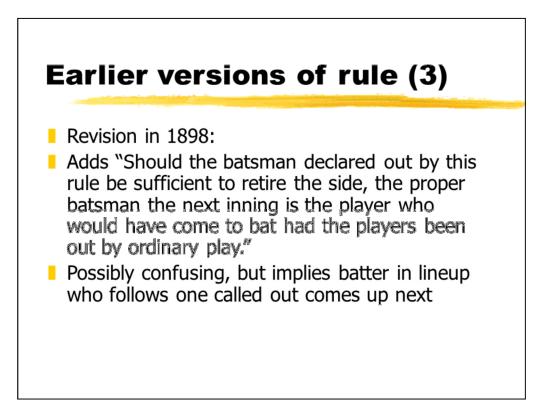


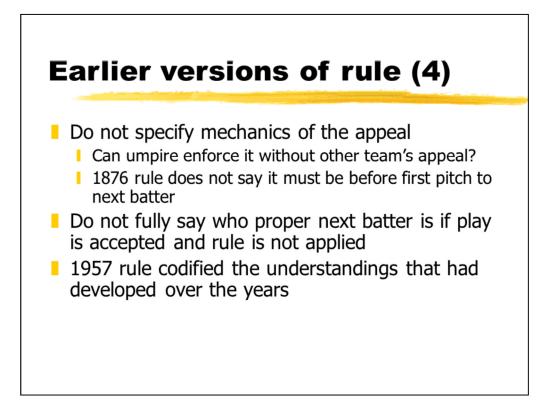
Adds that proper batter may come up with inherited ballstrike count.

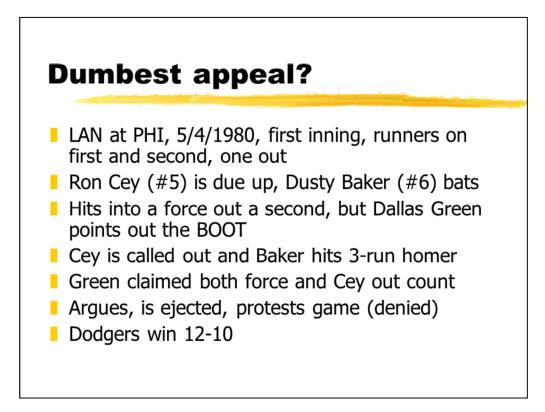
Adds that appeal or out on BOOT must be made before next at bat starts

Only one out on an enforced BOOT. So if the improper batter or a runner is out on the play (and an appeal would be desirable if a run scored on the play), those outs do not count since the play is completely nullified.

English teachers' nightmare. Rule against using more than one sentence?!

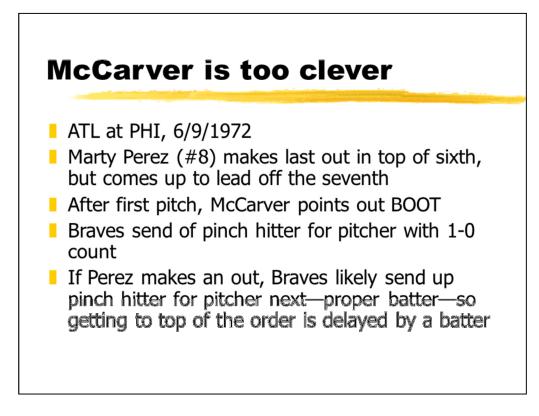




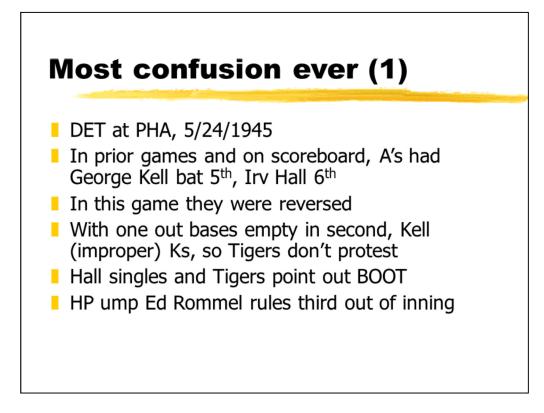


If Green accepts the Baker play, only good things can happen:

- 1) If Cey comes up to hit next, the BOOT protects against most anything bad (runner scores on WP, PB could happen) and will result in the third out.
- 2) Proper next batter is Bill Russell, who is not nearly as dangerous a hitter as Baker if Dodgers figure out what happened.
- 3) May be able to appeal a BOOT later in game if the two continue to bat in the reverse order.



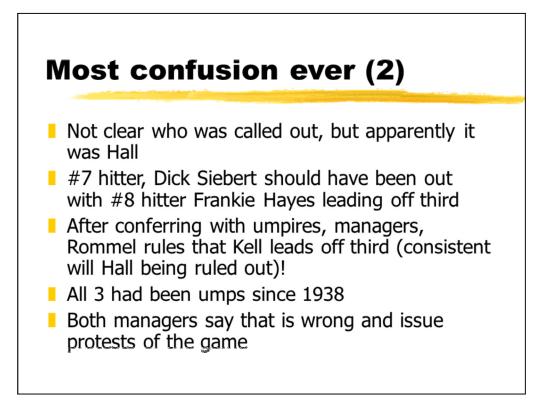
Phillies sent seven batters to the plate, including a pinch hitter, in the bottom of the sixth and scored two runs to tie the game. If it was a long and hard inning, Perez may have forgotten he made the last out in the top of the inning.



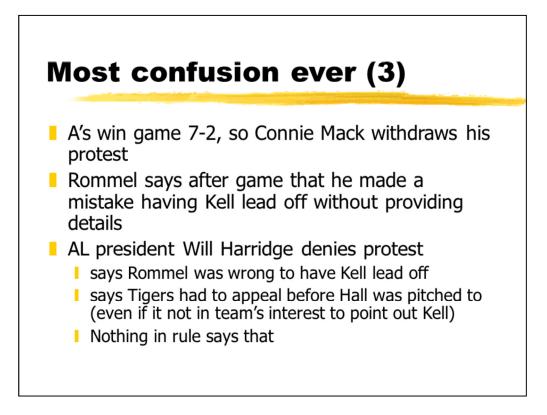
Newspaper showing likely lineup had Kell #5, Hall #6.

Tigers should have accepted Hall's single since it is almost certain the #7 hitter would come up next, but Kell would be the proper hitter. So there would be virtually no risk to letting the #7 hit (only if somehow Hall managed to score before the batter's play). Likely that Kell and Hall would BOOT in later innings, so the appeal could be saved for a more valuable use.

In general, with two outs, it will be better not to appeal a BOOT (as in the Dodgers-Phillies game) unless a run scored on the play.



Even experienced umpires are not always understanding the BOOT rule. The two base umpires, George Pipgras and Bill Grieve had each been in a game with a BOOT, but not HP ump Rommel.



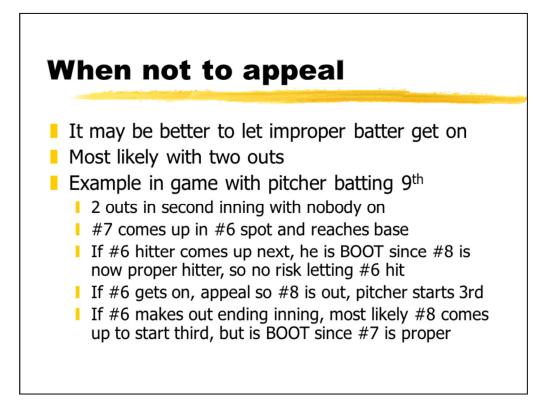
Kell made an out, but A's scored a run in the inning.

Protest should have been upheld once it is agreed that wrong batter led off inning.

Other reason is irrelevant as well as being incorrect.



I wrote about this game in that article. There were some other interesting aspects and occurrences in it.



Since BOOTs are so infrequent, will a manager/bench coach/analytics department will spend time trying to figure these out or actually apply one? Earl Weaver did based on what he did and didn't do in 5/28/69, BAL @ SEA. Pilots changed their lineup quite a bit after giving the card to the umpire. Weaver did not point out the (many) prior BOOTs until the fifth inning when he could get runs (two) taken off the board. Too complicated to discuss in the talk.

If #6 gets on and no appeal (since other runner did not score), #7 is proper hitter, but is on base. So #8 becomes proper hitter, and he likely would come up. So need to appeal.

BOOT is an important strategic advantage for the other team. Can "keep" in its pocket for use later in the game if it looks like it will be repeated as Weaver did.

## Web sites, e-mail

https://www.retrosheet.org/outturn.htm
has list of BOOTs, some are amazing
www.pankin.com/baseball.htm
E-mail: sabr --ATsign-- pankin.com
Plan to post slides, notes on my web site
and on Retrosheet.org Research page

My baseball page focuses on the mathematical Markov model and its applications, the most "famous" of which is optimizing the batting order.

Replace -- ATsign-- with @