



Elmer Layden's

SCIENTIFIC FOOTBALL GAME

by cadaco

UNIVERSITY OF NEVADA GAME
ATHLETIC ASSOCIATION
NEVADA GAME OFFICE
February 24, 1936

Elmer Layden
Cadaco, Ltd.
San Leandro
California

Gentlemen:

A truly scientific football game, as I see it, must meet the following standards:

1. It must have no rules other than the rules of football.
2. Every play in football must be available to each player and these plays must succeed and fail with the same frequency as in the real game.
3. It must be complete so as to meet the smothering requirements of coaches and players, and yet be simple enough so that the youngest fan can play without instruction.

In presenting THE ELMER LAYDEN SCIENTIFIC FOOTBALL GAME, I have endeavored to meet these requirements, motivated by the hope that it will bring to every gridiron enthusiast regardless of age or experience the zest of actual football play.

Sincerely yours,
Elmer F. Layden
ELMER F. LAYDEN

EFL:G

1595



Elmer Layden's

SCIENTIFIC FOOTBALL GAME

by cadaco

UNIVERSITY OF NOTRE DAME

ATHLETIC ASSOCIATION

ELMER F. LAYDEN

ELMER F. LAYDEN

February 24, 1936

Cadaco, Ltd.
San Leandro
California

Statement:

A truly scientific football game, as I see it, must meet the following standards:

1. It must have no rules other than the rules of football.
2. Every play in football must be available to each player and these plays must succeed and fail with the same frequency as in the real game.
3. It must be complete so as to meet the exacting requirements of coaches and players, and yet be simple enough so that the youngest fan can play without instruction.

In presenting THE ELMER LAYDEN SCIENTIFIC FOOTBALL GAME, I have endeavored to meet these requirements, motivated by the hope that it will bring to every gridiron enthusiast regardless of age or experience the best of actual football play.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Elmer F. Layden".

ELMER F. LAYDEN

EFL:10

1595

Elmer Layden's SCIENTIFIC FOOTBALL GAME



FUMBLES

Total
 1-5 Opponent's Receiver + 1 Yard
 6-10 Opponent's Receiver + 3 Yards
 11-14 Team with ball receiver + 5 Yards
 15-18 Team with ball receiver + 7 Yards
 17-18 Team with ball receiver + 8 Yards

BLOCKED KICKS

Total
 1-5 Opponent's Receiver + 25 Yards
 6-8 Opponent's Receiver + 15 Yards
 9-12 Opponent's Receiver + 10 Yards
 13-15 Kicker Receivers - 10 Yards
 16-18 Kicker Receivers - 15 Yards

PENALTIES

Total	Violator	Penalty	Yards
3 and 4	Defense	Unsportsmanlike Conduct	15
5 and 6	Defense	Piling Up	15
7	Defense	Holding	5
8 to 10	Defense	Offside	5
11 and 12	Team with ball	False Start	5
13 and 14	Team with ball	Backfield in motion	5
15 and 16	Team with ball	Holding	5
17 and 18	Team with ball	Unsportsmanlike Conduct	15

FIELD GOALS

Distance of ball from goal Successful Totals
 25 to 40 Yards 3 and 18
 30 to 35 Yards 3 and 4
 25 to 30 Yards 3 to 5 incl.
 20 to 25 Yards 3 to 6 incl.
 15 to 20 Yards 3 to 7 incl.
 10 to 15 Yards 3 to 9 incl.
 5 to 10 Yards 3 to 10 incl.
 0 to 5 Yards 3 to 11 incl.

Kick Blocked if the total is:
 If Kick is not blocked and is not successful
 opponent gets ball on own 20 yard line
TRY FOR POINT AFTER TOUCHDOWN
 (See 11 includes SCORES)



KICK-OFF Yard Line Receiver	KICK-OFF Line Back	PUNTS	Point Run Back	PUNTS Out of Bounds	LINE PLUNGE	OFF-TACKLE	END RUNS	LONG PASS	Gain	Interceptions	SHORT PASS	Gain	Interceptions	Lateral Pass	LATERAL Options
Over Goal	Touchdown	Blocked	+ 40	Blocked	3	Touchdown	Touchdown	Touchdown	Complete	Touchdown	3	Complete	+ 5	Touchdown	Touchdown
Opponent's Ball on 20 Yard Line	+ 20	Blocked	+ 25	Blocked	4	+ 25	+ 30	+ 40	Complete	Touchdown	+ 50	4	Incomplete	+ 5	+ 30
10	+ 18	Penalty	Penalty Opponent's Receiver	Penalty	5	+ 30	- 4	- 10	Incomplete	Touchdown	- 25	5	Intercepted	+ 7	- 10
10	+ 15	30	+ 2	15	6	Penalty	Penalty	Penalty	Penalty	Touchdown	- 25	6	Penalty	+ 10	Penalty
5	+ 13	25	+ 5	15	7	Penalty	Penalty	- 4	Incomplete	+ 60	- 25	7	Incomplete	+ 12	Penalty Opponent's Receiver + 2
15	+ 12	30	+ 5	20	8	- 1	+ 2	Penalty	Incomplete	+ 45	- 20	8	Complete	+ 8	Penalty Opponent's Receiver + 3
10	+ 10	35	+ 7	25	9	+ 3	+ 3	+ 4	Incomplete	+ 40	- 20	9	Complete	+ 7	- 10
15	+ 15	40	+ 3	30	10	No Gain	No Gain	+ 1	Incomplete	+ 20	- 20	10	Complete	+ 12	- 4
20	+ 20	40	+ 8	30	11	+ 3	- 1	- 2	Complete	+ 25	- 20	11	Incomplete	+ 14	+ 5
10	+ 15	45	+ 10	40	12	+ 2	+ 2	No Gain	Incomplete	+ 30	- 20	12	Incomplete	+ 7	+ 7
10	+ 15	50	+ 15	40	13	+ 1	- 2	+ 6	Intercepted	+ 40	- 20	13	Intercepted	+ 15	+ 5
5	+ 30	Blocked	+ 20	Penalty	14	+ 5	+ 7	+ 3	Penalty	+ 35	- 20	14	Incomplete	+ 20	+ 15
25	+ 40	60	+ 20	Penalty	15	- 1	+ 10	+ 12	Penalty	+ 35	- 20	15	Incomplete	- 25	- 10
30	+ 50	65	+ 25	Penalty	16	+ 7	- 1	- 1	Penalty	+ 45	- 20	16	Incomplete	+ 1	- 10
35	+ 60	70	+ 30	Penalty	17	+ 7	- 1	- 1	Penalty	+ 50	- 20	17	Incomplete	+ 1	- 10
					18	+ 7	- 1	- 1	Penalty	+ 50	- 20	18	Incomplete	+ 1	- 10



Elmer Loyden's SCIENTIFIC FOOTBALL GAME BY CADACO



FUMBLES

Total	Opponent's Team	+ 1 Yard
11-14	Opponent's Team	+ 2 Yards
15-16	Team with ball	+ 2 Yards
17-18	Team with ball	+ 3 Yards

BLOCKED KICKS

Total	Opponent's Team	+ 20 Yards
11-12	Opponent's Team	+ 10 Yards
13-14	Opponent's Team	+ 10 Yards
15-16	Kicker's Team	+ 10 Yards
17-18	Kicker's Team	+ 10 Yards

PENALTIES

Total	Violator	Penalty	Yards
1 and 4	Defense	Unsportsmanlike Conduct	15
5 and 8	Defense	Piling Up	15
9	Defense	Holding	5
10 to 10	Defense	Offside	5
11 and 12	Offense	False Start	5
13 and 14	Offense	Slowing the Game	5
15 and 16	Offense	Illegal Kick	15
17 and 18	Offense	Illegal Forward Pass	15
19 and 20	Offense	Illegal Forward Pass	15

FIELD GOALS

Distance of ball from goal	Successful Total
35 to 40 Yards	3 and 15
30 to 35 Yards	3 and 6
25 to 30 Yards	3 to 6 and
20 to 25 Yards	3 to 6 and
15 to 20 Yards	3 to 6 and
10 to 15 Yards	3 to 6 and
5 to 10 Yards	3 to 10 and
0 to 5 Yards	3 to 11 and

*Kick blocked in 20 yard line

If Kick is not blocked and is not successful opponent gets ball on own 20 yard line

SEE THE POINT AFTER THE WHISTLE
ON 11 AND 12



KICK-OFF Field Goal Success	KICK-OFF Not a Field Goal	PUNTS	Field Goal Success	PUNTS Not a Field Goal	LINE PLUNGE	OFF-TACKLE	END RUNS	LONG PASS	Goals	Interceptions	SHORT PASS	Goals	Interceptions	Lateral Pass	LATERAL Success
Over Goal	Touchdown	Blocked	+ 40	Blocked	3	Touchdown	Touchdown	Touchdown	Touchdown	Touchdown	3	Complete	+ 3	Touchdown	Touchdown
Opponent's Ball on 20 Yard Line	+ 20	Blocked	+ 20	Blocked	4	+ 25	+ 20	+ 40	Complete	Touchdown	+ 50	4	Incomplete	+ 3	+ 30
10	+ 10	Blocked	0	Blocked	5	+ 30	- 20	- 20	Incomplete	Touchdown	- 20	5	Incomplete	+ 7	- 3
10	+ 15	20	+ 2	18	6	Touchdown	Touchdown	Touchdown	Touchdown	Touchdown	+ 20	6	Complete	+ 10	+ 10
10	+ 15	20	+ 2	18	7	Touchdown	Touchdown	- 20	Incomplete	+ 40	7	Incomplete	+ 12	- 2	+ 5
10	+ 15	25	+ 5	15	8	- 1	+ 2	Touchdown	Incomplete	+ 45	8	Complete	+ 8	- 2	+ 10
10	+ 15	30	+ 8	20	9	+ 2	+ 2	+ 4	Incomplete	+ 40	9	Complete	+ 7	- 2	- 2
10	+ 15	35	+ 7	25	10	No Goal	No Goal	+ 1	Incomplete	+ 20	10	Complete	+ 12	- 2	+ 1
10	+ 15	40	+ 3	30	11	+ 3	- 1	- 2	Complete	+ 25	11	Incomplete	+ 10	- 1	+ 3
10	+ 15	40	+ 8	35	12	+ 2	+ 2	No Goal	Incomplete	+ 30	12	Incomplete	+ 2	- 2	+ 7
10	+ 15	45	+ 10	40	13	+ 1	- 1	+ 4	Incomplete	+ 40	13	Incomplete	+ 15	+ 5	- 2
10	+ 15	50	+ 10	45	14	+ 5	+ 7	+ 9	Complete	+ 35	14	Incomplete	+ 20	+ 7	+ 10
10	+ 15	Blocked	+ 20	Blocked	15	- 1	+ 10	+ 15	Complete	+ 35	15	Incomplete	+ 25	+ 10	+ 15
10	+ 15	60	+ 10	50	16	+ 1	+ 15	+ 20	Incomplete	+ 40	16	Incomplete	+ 30	+ 1	+ 20
10	+ 15	65	+ 50	55	17	+ 15	Touchdown	+ 25	Incomplete	+ 50	17	Complete	+ 35	+ 20	+ 30
10	+ 15	70	Touchdown	60	18	+ 20	+ 40	+ 50	Complete	+ 55	18	Complete	+ 40	Touchdown	Touchdown

1595