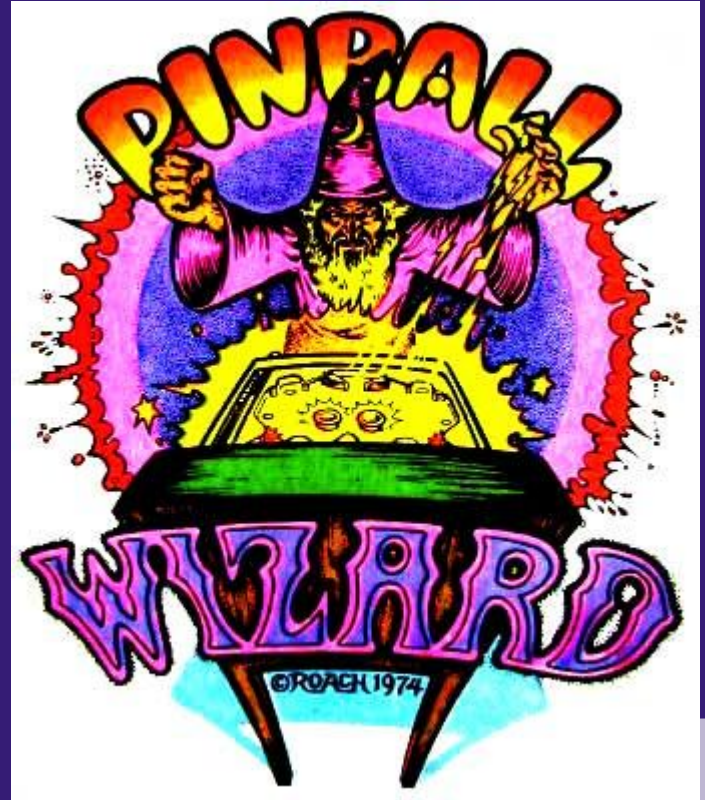


Pinball Wizardry

“You’re a wizard, Harry”



Historical Stuff (OG machines)

Quick History

- 1930s: Baffle Ball!
- 1933: Electrification
- 1947: First flippers introduced
- 1970s: Solid state electronics: circuit boards, displays
- 1990s: Sales slow down
- 2000s: Pinball Revival

BAFFLE BALL!
THE GREATEST VALUE EVER OFFERED

Absolutely the **FINEST** Pin Board Game Made!
NO BUGS IN THIS GAME!

Meet Us at the Big Show, Hotel Sherman
Booths 45-47

10 Shots for **1c**

ALSO MADE FOR **5c** PLAY



OUR RISK
Restocking Guarantee:
YOU CANT LOSE
If you ever need a new Baffle Ball machine, we will give you one free of charge. This is our guarantee. We are sure you will be satisfied with the value of our product. We are sure you will be satisfied with the value of our product. We are sure you will be satisfied with the value of our product.

OPERATORS: BEFORE BUYING MACHINES GET OUR LOW PRICES—THEY ARE ASTONISHING!
We are Direct Factory Distributors for

BAFFLE BALL • BINGO BALL
BUSTER BALL • PLANET BALL

THE "ACES" IN PIN BOARD GAMES

ROCK-OLA MFG. CO. Dept. CUK, Jackson Blvd. at
Desplines St., CHICAGO, ILL.



3D Pinball Space Cadet



BALL 1

1

9500

Player 1

Hit Mission
Targets To
Select Mission

Is Pinball Gambling?

- Pinball was banned in many US cities from 1940s to 1970s
 - Machines were collected and destroyed
- Ban was lifted in 1976 NYC: pinball proved as game as skill
 - A player testified in court by playing a game, and calling shots before making them

Fundamental Pinball Components

Flippers



Bumpers



Slingshots



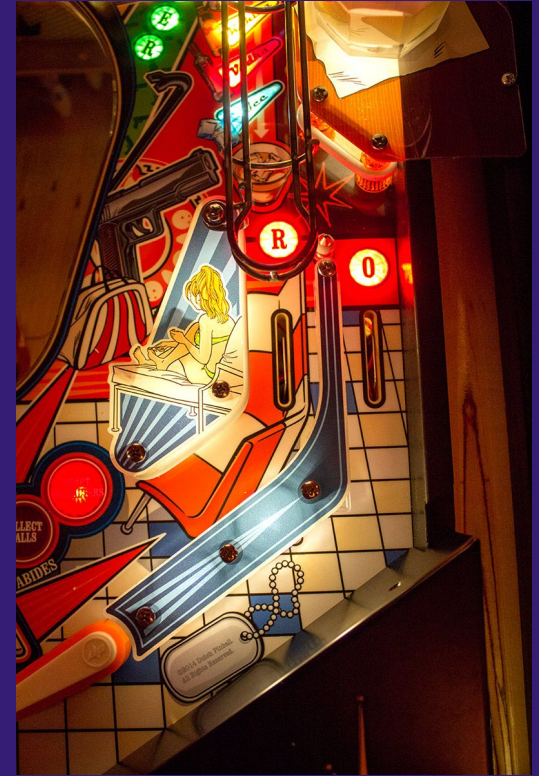
Ramps
Sinkholes/Locks



Top Lanes



Inlane/Outlane



Lights



Display



A Theme!



Putting it together: (Star Trek 2013)

- Flippers
- Ramps
- Bumpers
- Slingshots
- Orbits
- Sinkholes
- Ball locks



Pinball Rules

Basics: Sopranos (2004)

- Hit targets for points
 - Thematic missions
 - Rewards increase as you go
- 3 balls, one at a time:
 - Extra balls



Putting on the pressure

- “Item Lit”
 - Hit 10 targets, then reward is lit (available)
 - Extra ball, multiball, bonuses
- Limited bonuses
 - E.g. 2x ramps for rest of ball



Putting on the pressure

- Hurry-ups
 - Limited time to hit target
- Multiball
 - Launch many balls into play
 - Bonus scoring runs out when on last ball
- **Most bonuses end once ball lost....**



Example: Funhouse (1991)

Funhouse (1991)

- The most important shot on the table: Rudy



Funhouse (1991)

- The most important shot on the table: Rudy
 - But: it can't be hit from right flipper



Funhouse (1991)

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Funhouse (1991)

- The most important shot on the table: Rudy
 - But: it can't be hit from right flipper
 - Orbit from left flipper to upper flipper
- What if on right flipper?
 - Use transfer ramp
 - Can also use passes (shown later)



Know the Table

- Once the basics are down, a big part of pinball fun is **learning** and **planning**:
 - **Stop-and-go** machines vs **flow** machines
 - Practicing/understanding your **most confident shots** (L/R transfer ramps)
 - “Death shots”, important shots, safe shots, etc.
 - Planning when to trigger modes/combos
 - “I’ll only go for multiball once the 2x ramps is triggered”
- Hard to do at an arcade/bar: you will lose a lot of money
 - Pinball is too bougie :(

Seattle Pinball Museum

- Tons of machines
- \$15 for all you can play all day
- In the heart of Seattle Chinatown
 - Pinball + Chinatown lunch = Heaven on earth



Pinball Terms & Techniques

Beginner Pinball Technique

- Whenever the ball gets near the bottom, smack flippers, knock ball away
 - Repeat until all 3 balls dead



~~Beginner~~ Pinball Technique

- Mainly comprises of 3 elements:
 - Aiming
 - Control
 - Nudging (and illegal moves)

Aiming

- Shots closer to the hinge:
 - Weaker
 - Goes to the right
- Shots closer to the tip:
 - Stronger
 - Goes towards left
- Also depends on ball approach
 - Best from cradle (shown)



Control

- Trapping:
 - Cradling
 - Catching ball
 - Drop catch, stall
- Passing: transfer ball between flippers
 - Dead drop
 - Flick pass



Control

- Great examples:
 - <https://www.youtube.com/watch?v=b2ZJQYk60Mk>
 - <https://www.youtube.com/watch?v=UbyKhPE921w>
 - <https://youtu.be/kowB0HmJ1wY?t=6m47s>

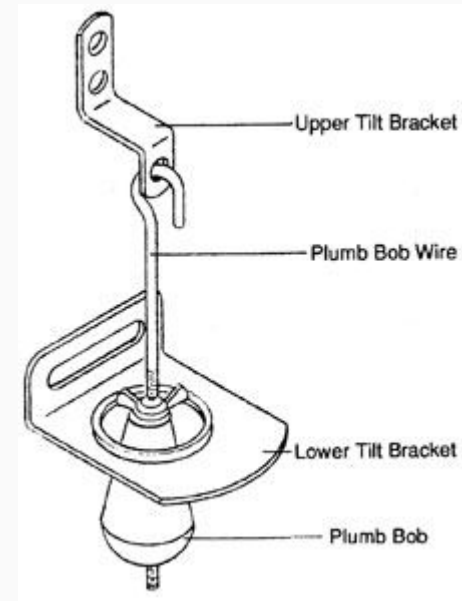
Nudging

- Influence ball motion by nudging the table
 - Upwards on lanes
 - Sideways when ball is between flippers



Nudging - TILT!

- Be careful!
- A tilt bob inside machine detects excessive movement
- Tilting the machine results in ball loss



Illegal Nudge Moves

- Bang Back:
 - <https://www.youtube.com/watch?v=KB8Xp4PMvbQ>
- Death Save:
 - <https://www.youtube.com/watch?v=CZljaPDYpXs>

Bonus: Cool Machine Elements

Junkyard (1996)



Simpsons Party (2003)



NBA (2009)

