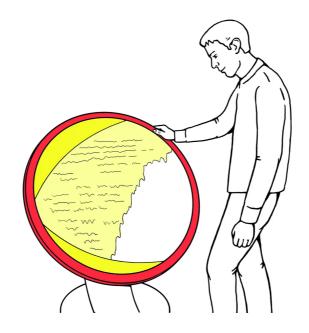


Ned Kahn

## When and how does the sand move inside the disc?



Slowly turn the circular plate.

Jerk the plate to a stop or change direction.

Notice the delicate ruffled white lines and streaks sliding through the plate.

The plate is filled with water and tiny white glass balls.

The lace like white traces shows the complex interactions of the falling balls and the jostled water. The billions of tiny balls each push small amounts of water out of their way and that moving water in turn, pushes on nearby balls creating a complex turbulent pattern.