**Spin-Shadow Heads**

**Tools & Materials Needed:**
- Scalpel or craft knife
- Sticky back tape
- Glue or double sided sticky back tape
- String or cotton

**Construction:**

Solid black lines = cut

Broken black lines = crease

1. Using a sharp blade cut crosshairs 'X' at top and cut out hole at bottom of side 'B'.
2. Carefully cut all other solid lines 6 to score broken lines ready to crease.
3. Fold all crease lines in the same direction.
4. Apply glue to side-flap or alternatively use double sided sticky tape. Carefully align and affix side-flap to inside of side 'D'.
5. Fold flaps together at top first in the following order: 1, 2, 4 & 3 folding the tab of 3 under flap 1 (see Illus. 2).

**NB.** Depending on preferred method of spin (see below), you could complete '2:a.' now (illus. 5).

6. Fold base flaps together as in step 'V.' You can strengthen top and bottom with sticky back tape.
7. Pull cut-out shapes out. Sides 'A' & 'C' fold to a 90° angle, sides 'B' & 'D' fold to a 180° angle (illus. 3).

**Methods of Spin:**

1. **Record Deck Spin (illus. 4)**
   - Place record deck as close to a wall as possible.
   - Place spin-shadow heads on turntable, position square hole on base over spindle.
   - Select 33 rpm and start turntable.
   - Holding a powerful light source, such as a torch, direct the beam level with spin-shadow heads and walk away from turntable until shadow comes into focus.

2. **Ceiling Spin (illus. 5)**
   - Thread string/cotton through the crosshair hole at the top of spin shadow heads and tie to a used match (see Illus. 3).
   - Adjust length of string/cotton so that centre of spin shadow heads aligns with centre of ceiling light bulb.
   - Hang spin-shadow heads close to a wall, adjusting distance from wall until shadow is sharp.
   - Spin spin-shadow heads by hand, enjoy!

**NB.** Try affixing a coin with glue or double sided sticky tape to the inside of spin-shadow heads, making sure it is centred, to improve balance and spin.