Article Summary

*Equipment: Instruments (1)*

**Citation**: Yunik, M, Borys, M, and Swift, G.W, *A Digital Flute*. Computer Music Journal, Summer 1985, Vol 9, Issue n2, pp 49-52.

**Article Title**: *A Digital Flute*

**Author**: M. Yunik, M. Borys, and G.W. Swift

**INSTRUMENT**: Flute

**Magazine or Journal Title**: Computer Music Journal

**Summary**:

1. Discussion about a microprocessor-based digital flute instrument and the arrangement of its keys.
2. Playing this flute
   1. This instrument contains 10 switches, a control potentionmeter, and a microphone mounted on a tubular clear plastic body.
   2. One holds the flute the same way a traditional flute is held.
   3. Sound is produced by the player blowing sound over a microphone.
   4. A maximum of three keys can be pushed at any time.
   5. No sound will be produced for a wrong fingering.
   6. A player does not necessarily need to have musical knowledge to play this flute. One must just know enough to push the corresponding keys(switches) in relationship to the staff.
3. A very interesting and detailed diagram is provided of the inner circuits of such a flute.
4. This flute works successfully and has a simplified fingering arrangement.
5. The software developed for this project is one of the flute’s most significant features.