

PROJECT SILO TECHNICAL MEMO #10

SUBJECT: BIASED MULTI-PATH STORAGE ELEMENT, SELECTABLE BY
A COINCIDENCE OF CURRENTS, AND HAVING ONLY ONE WIRE
IN EACH APERTURE

BY: Frederick L. Post

DATE: January 4, 1957

ABSTRACT: STM-8 described a multi-path storage element having the feature of requiring only one wire in any one hole, a highly desirable feature from the point of view of packaging. However, that element was anti-coincident in nature, a fact which brings problems in the amount of current drawn by any large-scale array. Described herein is another such device, differing principally in that it is coincidentally selectable rather than anti-coincidently and thus will require more reasonable driving apparatus than would its predecessor.

This report contains a description of the core structure and an explanation of its operation.

COMPANY CONFIDENTIAL:

This document contains information of a proprietary nature. ALL INFORMATION CONTAINED HEREIN SHALL BE KEPT IN CONFIDENCE. No information shall be divulged to persons other than IBM employees authorized by the nature of their duties to receive such information, or individuals or organizations who are authorized in writing by the Department of Engineering or its appointee to receive such information.