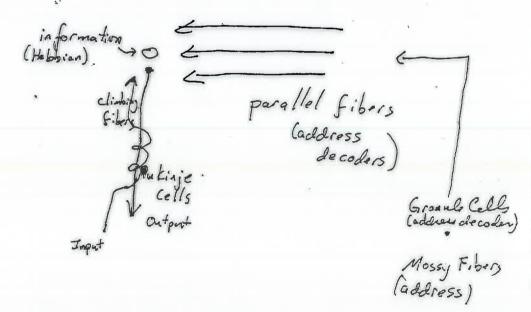
## Biological Feasibility (= Biologically Non-Ridiculous (?.

- · argument from physical grounds
- · SDM thought of as possible (naive) model for cerebellum (Marr, 1969; Kanerva, 1984)



- · Cerebellum known to be related to fine motor control (timing)
- · TSDM adds timing (Timing by noise; or noise equivalent induced perhaps by bask-tells orgolgicells.)
- So perhaps (?) TSDM can help explain storage and retrieval of fine motor control.

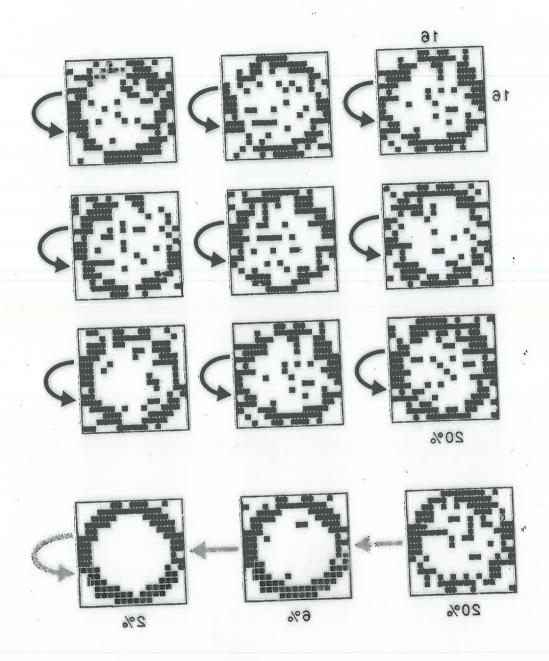


Figure 2-1. Nine noisy words (20% noise) are stored, and the tenth is used as a retrieval one.

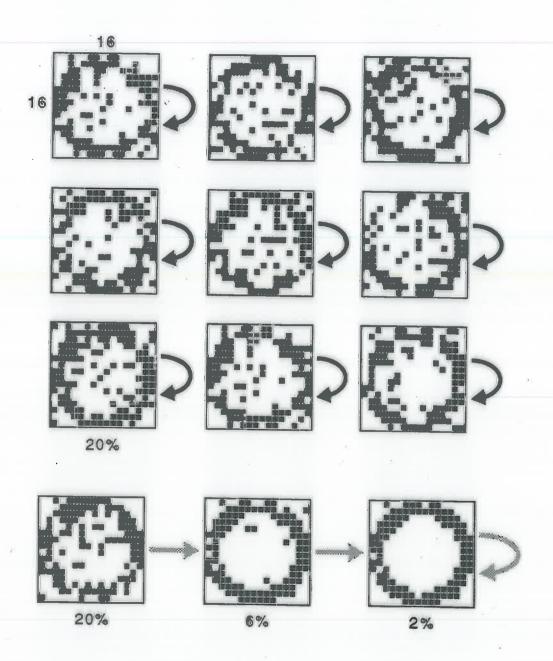


Figure 2-1. Nime noisy words (20% noise) are stored, and the tenth is used as a retrieval cue.

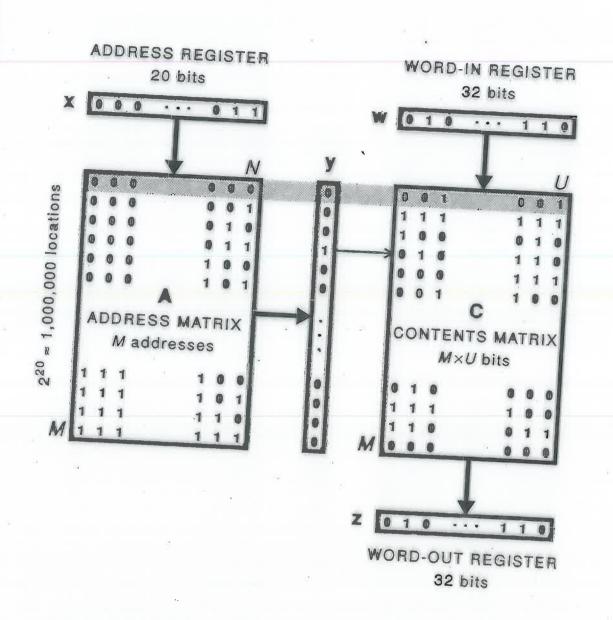


Figure 2-3. Organization of a random-access memory. The first memory location is shown by shading.

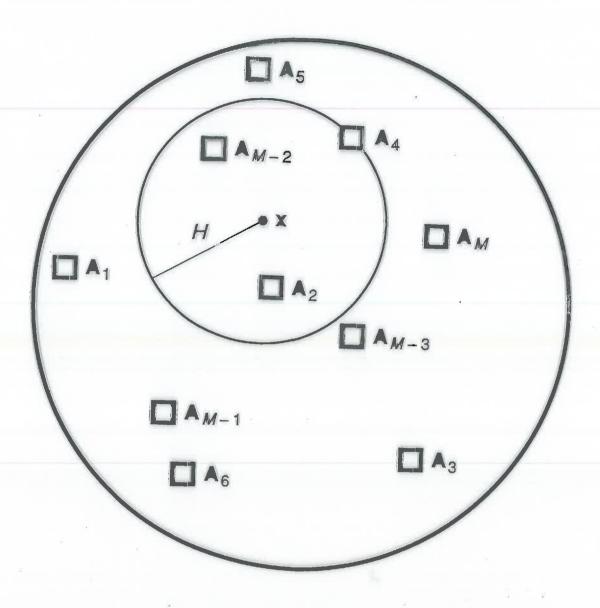


Figure 2-5. Address space, hard locations, and the set activated by x. H is the (Hamming) radius of activation.

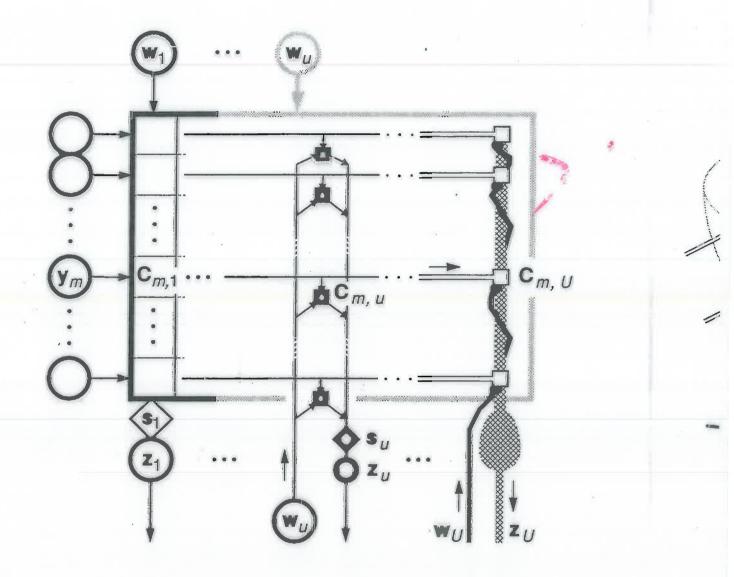


Figure 2-10. Connections to an output neuron. Three output units are shown. The first unit is drawn as a column through the contents matrix C, the middle unit shows the connections explicitly, and the last unit corresponds to Figure 2-11.

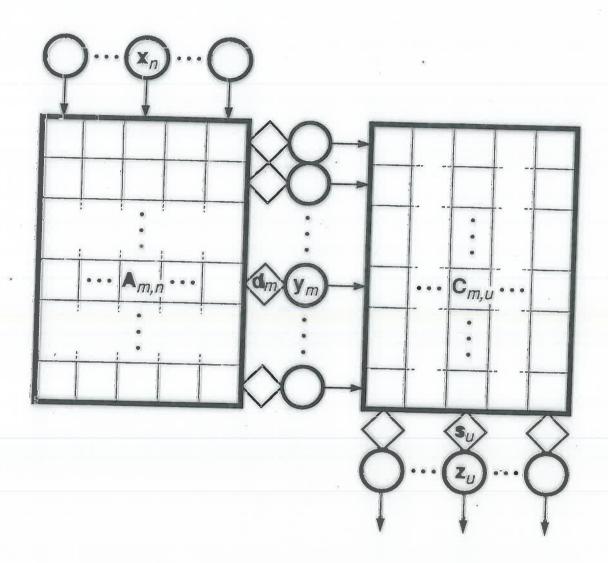


Figure 2-9. Sparse distributed memory as an artificial neural network (Fig. 2-7 redrawn in the style of Fig. 2-4).

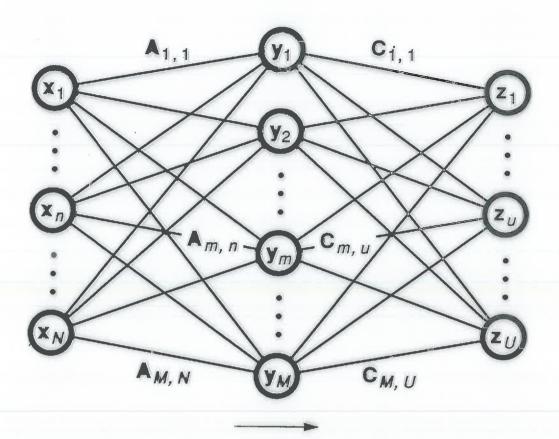


Figure 2-7. Feed-forward artificial neural network.

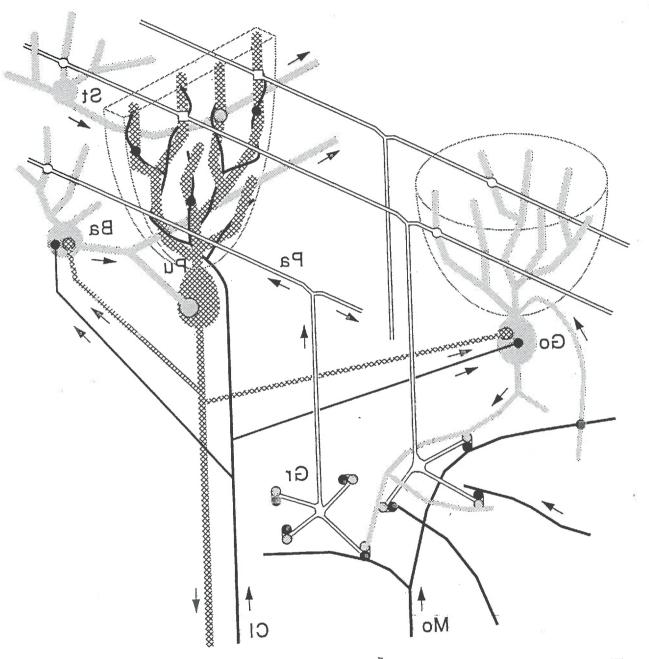


Figure 2–11. Sketch of the cortex of the cerebellum. Ba = basket cell, Cl = climbing fiber (black), Go = Golgi cell, Gr = granule cell, Mo = mossy fiber (black), Pa = Parallel fiber, Pu = Purkinje cell (cross-hatched), St = stellate cell. Synapses are shown with small circles and squares of the axon's "color." Excitatory synapses are black or white, inhibitory synapses are cross-hatched or gray.