

I. INTRODUCTION

- A. Active and Passive Aspects of Memory
- Much of perception was automatic, meaning that it goes on with little effort on our part to control or direct it.
- The same is not true for memory.
 - Memory process sometimes are automatic and we are not aware of how or why we remember things; they just pop into our heads.
 - Other times memory seems an effortful process and we are quite conscious of trying to remember
- What explains the differences between memories that automatic and effortful memory?

I. INTRODUCTION B. Container Theory People's everyday metaphor of memory is a "Container" Memories themselves are Memories at the top of thought to be AV the container are easily recordings of events, retrieved, those at the actions, or objects bottom are retrieved with more difficulty. retrieved easily More The more relevant, important, important, or significant Memory relevant, or significant memories are closer to memories retrieved with difficulty the top.

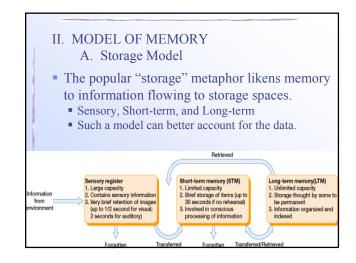
I. INTRODUCTION

- C. Problems with the Container Theory
- Container metaphor of memory is problematic for four reasons:
- Role of familiarity: Is a familiar item well remembered?
 - Which way is Lincoln facing on a penny?He is facing right
 - What is written on the left of Lincoln?Liberty
 - What is written on top of Lincoln's head?In God We Trust
- Flashbulb memory: Clear memory for a single monumental often emotionally-significant event:
 - JFK shooting, Challenger accident, 9/11

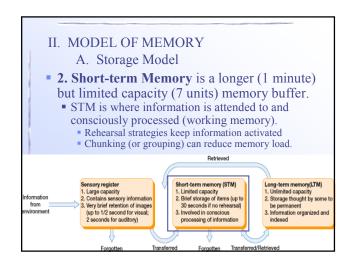
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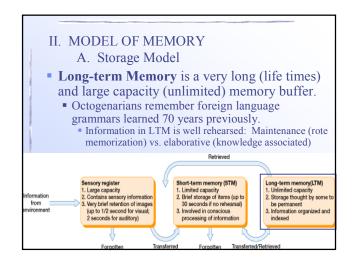
A. Active and Passive Aspects of Memory

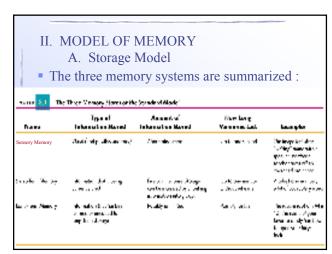
- Reconstructive Memory: Memory is really a reconstruction of events and not a re-experience of the events themselves
 - Remember the first time you went swimming
- **Confabulation**: A belief that you remember something when it never really happened (or the confusion of an event that happened to someone else with one that happened to you).
 - Confusion between merely thinking about and actually saying something to someone.



II. MODEL OF MEMORY A. Storage Model 1. Sensory Memory is a very short-term (1 second) but large capacity memory buffer. Visual afterimage after closing eyes or a echo in your ear after hearing something Pre-categorical – you can not analyze it. Modality-specific Sensory register 1. Large capacity Short-term memory (STM) 1. Limited capacity 2. Bird storage of items (up to 3 seconds in or enheuses) (up to 1/2 second for visual; 2 seconds for additory) Sensory register 1. Large capacity Short-term memory (STM) 1. Limited capacity 2. Storage thought by some to be permanent 3. Information or ganized and indexed







II. MODEL OF MEMORY

B. Other Models

- The storage metaphor is not true to the biological view of the mind.
- The PDP memory model is more consistent with the neural basis of memory.
 - In this model, there are no storage structures because information is encoded across many different elements (neurons, silicon chips).
 - A new memory involves forming new connections between activated neurons.
 - This idea of the simultaneous processing of many different elements gives the model its name:
 Parallel Distributed Processing