

Figure 5.9 Result of Glanzer and Cunitz's (1966) experiment. (a) The serial-position curve has a normal recency effect when the memory test is immediate (solid line), but no recency effect occurs if the memory test is delayed for 30 seconds (dashed line).

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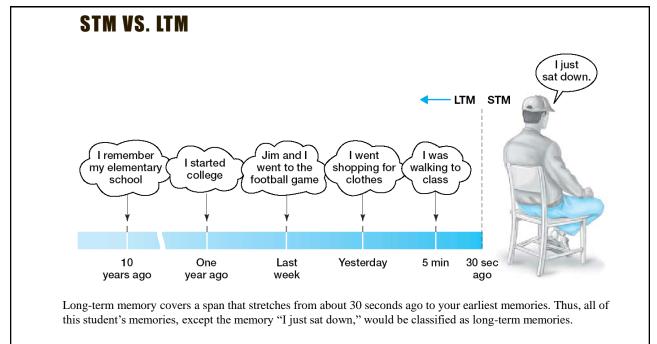
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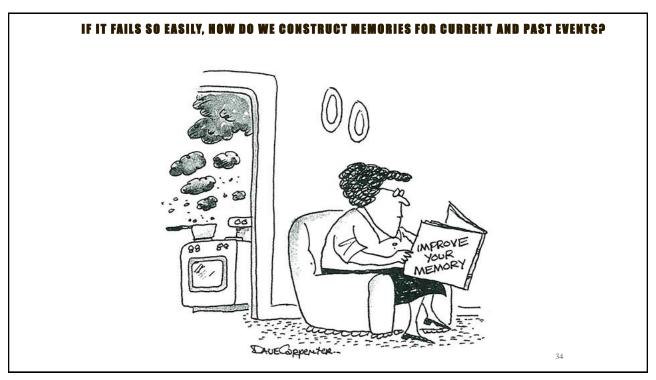
RECALL

- Encoding Techniques
- · Sensory memory
- · Serial Position Effect
- Why eye-witness testimony is not a good practice evaluate the process from memory perspective

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What is the natural limit of STM?

Asked to recall strings like – DBX; HLM etc., after a varying retention interval

I will say some letters and then a number. Your task will be to remember the letters. When you hear the number, repeat it and begin counting backwards by 3s from that number. For example, if I say ABC 309, then you say 309, 306, 303, and so on, until I say "Recall." When I say "Recall," stop counting immediately and say the three letters you heard just before the number.

Journal of Experimental Psychology

Vol. 58, No. 3

SEPTEMBER, 1959

SHORT-TERM RETENTION OF INDIVIDUAL VERBAL ITEMS ¹

LLOYD R. PETERSON AND MARGARET JEAN PETERSON

It is apparent that the acquisition that a verbal stimulus produces a of verbal habits depends on the effects of a given occasion being carried over the experimental session and this is into later repetitions of the situation. Nevertheless, textbooks separate as stimulus in eyeld conditioning. All the categories. The limitation of discussions of retention to long-term characteristics is necessary in large seconds. Pillsbury and Sylvester part by the scarcity of data on the

Trial 1: FZL 45 Trial 2: BHM87

Trial 3: $X \subset G$ 98

Trial 4: YNF 37

Trial 5: MIT 54

Trial 6: 0 B S 73

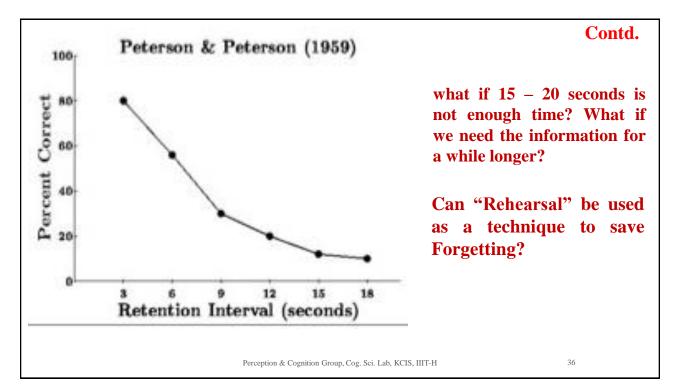
Trial 7: KDP66

Trial 8: RXM44

Trial 9: BYN68

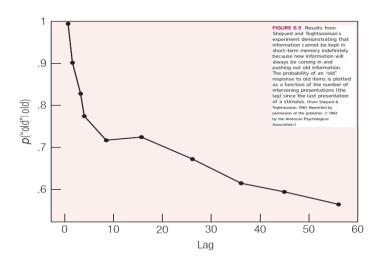
Trial 10: NTL 39

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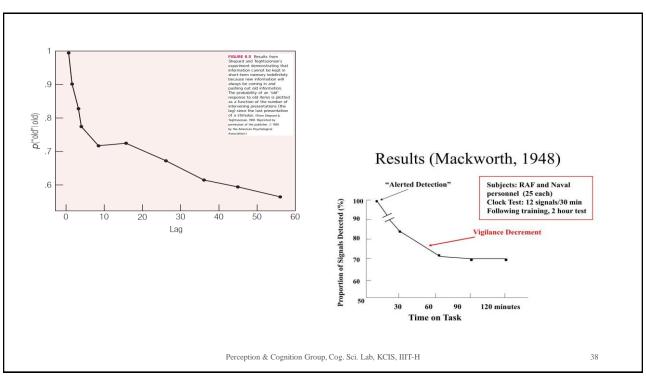
Wasn't this just about "How Long", i.e. "duration limits", what about "How Much", i.e. "capacity limits"? –

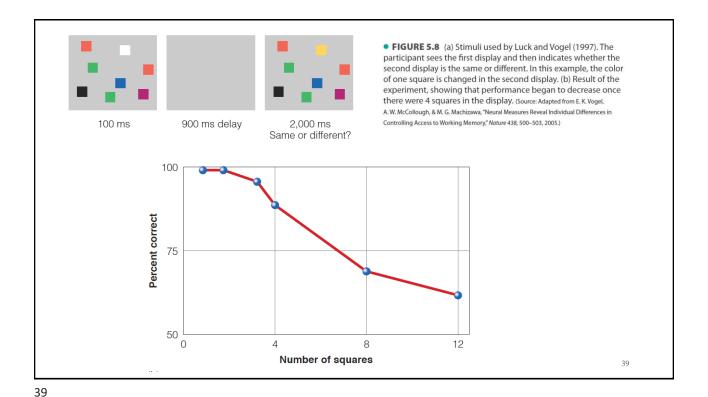
- Shepard et al. (1961)
- **Display:** List of sequence of 200 three-digits numbers;
- **Task:** identify whenever the number is repeated;
- Question: how the ability to recognize the repeated number changes as a function of 'number of the intervening items'



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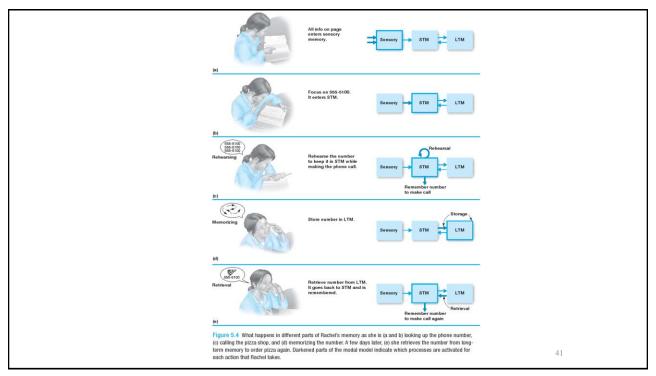
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Unrehearsed Unattended Some lost as per information is Lost information is Lost time Rehearsal: A control Attention **Encoding** Short-Long-Sensory term term Input memory memory Retrieval Output

Figure 5.3 Flow diagram for Atkinson and Shiffrin's (1968) model of memory. This model, which is described in the text, is called the *modal model* because of the huge influence it has had on memory research.



41

Is just a rehearsal or semantics/ association/ meaning responsible for transfer of information ? Style versus Meaning

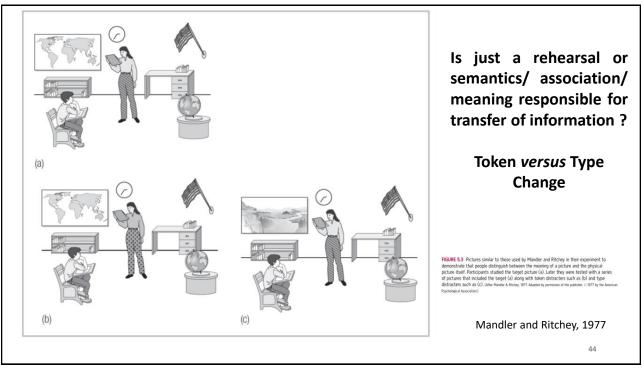
- 1. When you score your results, do nothing to correct your answers but mark carefully those answers which are wrong.
- **2.** When you score your results, do nothing to correct your answers but carefully mark those answers which are wrong.
- **3.** When you score your results, do nothing to your correct answers but mark carefully those answers which are wrong.
- **4.** When you score your results, do nothing to your correct answers but carefully mark those answers which are wrong.

Wanner, 1968

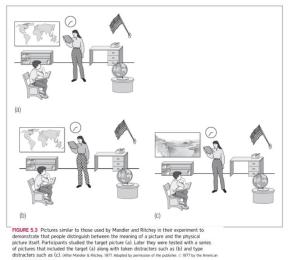
Is just a rehearsal or semantics/ association/ meaning responsible for transfer of information? Style versus Meaning Memory for meaning Memory for style Whenever a experiment to which people do and do not remove information about exact wording. The about a contract of the about a contract

Warned

Unwarned



Is just a rehearsal or semantics/ association/ meaning responsible for transfer of information ? Token versus Type Change



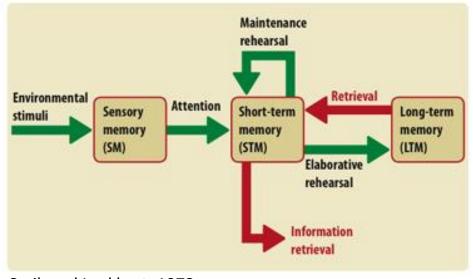
All eight pictures shown to participants contained possible token changes and type changes. In each case, the type change involved a more important alteration to the picture's meaning than did the token change. There was no systematic difference in the amount of physical change involved in a type change versus a token change. Participants were able to recognize the original pictures 77% percent of the time and to reject the token distracters only 60% of the time, but they rejected the type distracters 94% of the time.

Mandler and Ritchey, 1977

45

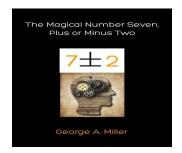
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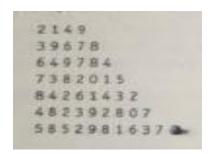
It is semantics/ association/ meaning that transform the STM to LTM?



Craik and Lockhart, 1972

Chunking





4408675309 (440) 867-5309

Is this limited to Numbers or it is beyond that?

F-B-I-T-W-A-C-I-A-I-B-M

FBI TWA CIA IBM 4 chunks

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47

47

Recall Activity: Divide into three groups, Ask only the active group look at the screen, rest close their eyes

Monkey, child, ringtail, zoo, jumped, city, young, wildly

Ringtail monkey, young child, city zoo, wildly jumped

The ringtail monkey jumped wildly for the young child at the city zoo. Miller (1956)

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STM- STORAGE CAPACITY (CHUNKING)- RECALL

- Monkey, child, ringtail, zoo, jumped, city, young, wildly
- Ringtail monkey, young child, city zoo, wildly jumped
- The ringtail monkey jumped wildly for the young child at the city zoo.

Miller (1956)

- I. Recall vs. Recognition
- 2. Free vs. Cued Recall

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49

49

CONTD.

• Literally, sustainable development refers to maintaining development over time, although by the early 1990s, more than 70 definitions of sustainable development were in circulation, definitions that are important, despite their number, because they are the basis on which the means for achieving sustainable development in the future can be built.

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Rephrasing sentence

- Literally, sustainable development refers to maintaining development over time.
- By the early 1990s, more than 70 definitions of sustainable development were in circulation.
- These definitions that are important, despite their number, because they are the basis on which the means for achieving sustainable development in the future can be built.
- Literally, sustainable development refers to maintaining development over time. However, by the early 1990s, more than 70 definitions of sustainable development were in circulation. Despite their number, these definitions are important because they are the basis on which the means for achieving sustainable development in the future can be built.

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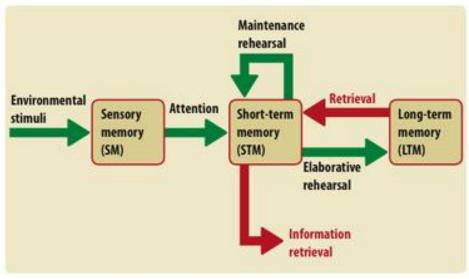






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It is semantics/ association/ meaning that transform the STM to LTM?

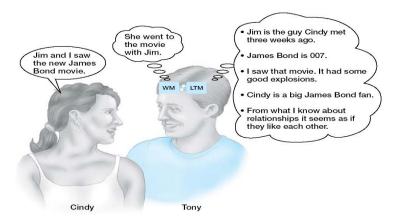


Craik and Lockhart, 1972

53

53

CONTD.



Tony's STM, which is dealing with the present, and his LTM, which contains knowledge relevant to what is happening, work together as Cindy tells him something.

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