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Autore	French Robert M (Robert Matthew), <1951->
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References4 Modularity and artificial grammar learning; Forms of knowledge; Evidence for the episodic-processing account; Problems with finite-state grammars; The biconditional grammar; Artificial grammar learning in amnesia; Conclusions; Acknowledgements; References; 5 Knowledge representation and transfer in artificial grammar learning (AGL); Introduction; What is transfer?; Why is transfer important?; What does transfer really show?; Knowledge representation in AGL; Surface-independent and surface-based representations; Empirical evidence

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#### Sommario/riassunto

Can you learn without knowing it? This controversial and much debated question forms the basis of this collection of essays as the authors discuss whether the measurable changes in behaviour that result from learning can ever remain entirely unconscious. Three issues central to the topic of implicit learning are raised. Firstly, the extent to which learning can be unconscious, and therefore implicit, is considered. Secondly, theories are developed regarding the nature of knowledge acquired in implicit learning situations. Finally, the idea that there are two separable independent processing sy

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