

Cambridge University Press

978-0-521-34879-9 - Human Organic Memory Disorders

Andrew R. Mayes

Frontmatter

[More information](#)

---

**Problems in the Behavioural Sciences**

**GENERAL EDITOR:** Jeffrey Gray

**EDITORIAL BOARD:** Michael Gelder, Richard Gregory, Robert Hinde,  
Christopher Longuet-Higgins

**Human organic memory disorders**

Cambridge University Press  
978-0-521-34879-9 - Human Organic Memory Disorders  
Andrew R. Mayes  
Frontmatter  
[More information](#)

---

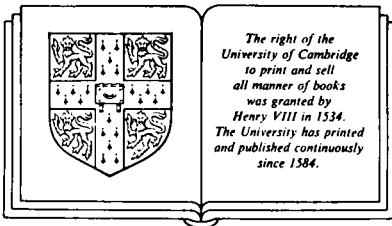
### **Problems in the Behavioural Sciences**

1. **Contemporary animal learning theory**  
A. DICKINSON
2. **Thirst**  
B.J. ROLLS & E.T. ROLLS
3. **Hunger**  
J. LE MAGNEN
4. **Motivational systems**  
F. TOATES
5. **The psychology of fear and stress**  
J.A. GRAY
6. **Computer models of mind**  
M. A. BODEN
7. **Human organic memory disorders**  
A. R. MAYES

Cambridge University Press  
978-0-521-34879-9 - Human Organic Memory Disorders  
Andrew R. Mayes  
Frontmatter  
[More information](#)

# Human organic memory disorders

Andrew R. Mayes  
*Manchester University*



**CAMBRIDGE UNIVERSITY PRESS**  
Cambridge  
New York New Rochelle Melbourne Sydney

Cambridge University Press  
978-0-521-34879-9 - Human Organic Memory Disorders  
Andrew R. Mayes  
Frontmatter  
[More information](#)

---

Published by the Press Syndicate of the University of Cambridge  
The Pitt Building, Trumpington Street, Cambridge CB2 1RP  
32 East 57th Street, New York, NY 10022, USA  
10 Stamford Road, Oakleigh, Melbourne 3166, Australia

© Cambridge University Press 1988

First published 1988

Printed in the United States of America

*Library of Congress Cataloging-in-Publication Data*

Mayes, A. R. (Andrew Richard)

Human organic memory disorders.

(Problems in the behavioural sciences)

Bibliography: p.

1. Memory, Disorders of. 2. Memory. I. Title.

II. Series. [DNLM: 1. Memory – physiology. 2. Memory Disorders. WM 173.7 M468h]

RC394.M46M39 1988 616.85'232 87–30103

*British Library Cataloguing in Publication Data*

Mayes, Andrew

Human organic memory disorders.

1. Memory, Disorders of 2. Neurophysiology

I. Title

616.85'23 BF376

ISBN 0 521 34418 2 hard covers

ISBN 0 521 34879 X paperback

## Contents

	<i>Acknowledgements</i>	<i>page vii</i>
1.	Healthy and pathological memory: the underlying mechanisms	1
2.	The assessment of memory disorders	36
3.	Disorders of short-term memory	55
4.	Disorders of previously well-established memory	76
5.	The memory problems caused by frontal lobe lesions	102
6.	Organic amnesia	124
7.	Animal and biochemical models of amnesia	195
8.	Less well-characterized memory disorders	240
9.	Overview	261
	<i>Glossary</i>	271
	<i>Bibliography</i>	279
	<i>Index</i>	293

## Acknowledgements

This book began as a joint effort with Peter Meudell, who very generously allowed me to use the material he had gathered on memory assessment, auditory–verbal short-term memory deficits, and semantic memory deficits. My views on these and other topics have benefited from many discussions with him and with Alan Pickering. I am particularly indebted to Jeffrey Gray for the great care and acumen with which he read the various drafts of the manuscript that finally led to this book. His comments helped shape my thinking and focus my conclusions in a more explicit and satisfactory form. I would also like to thank Peter Harforth for all his hard work with the preparation of the figures and Fran Morris for typing the references.