

# **APHASIA REHABILITATION**



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## An Auditory and Verbal Task Hierarchy

*By*

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**CHARLES C THOMAS • PUBLISHER**  
*Springfield • Illinois • U.S.A.*

*Published and Distributed Throughout the World by*  
CHARLES C THOMAS • PUBLISHER  
Bannerstone House  
301-327 East Lawrence Avenue, Springfield, Illinois, U.S.A.

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ISBN 0-398-04031-1 (cloth)  
ISBN 0-398-04024-9 (paper)  
Library of Congress Catalog Card Number: 79-24617

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**Library of Congress Cataloging in Publication Data**

Ross, Deborah, 1950-  
Aphasia rehabilitation.  
Bibliography: p.  
1. Aphasia—Rehabilitation. I. Spencer, Sara,  
1950- joint author. II. Title.  
RC425.R67 616.8'552'06 79-24617  
ISBN 0-398-04031-1  
ISBN 0-398-04024-9 pbk.

*Printed in the United States of America*  
Wm-11

## INTRODUCTION

This clinician's manual for the treatment of the aphasic adult contains a selection of treatment tasks for the two primary communicative modalities—auditory processing and verbal expression. The manual is divided into two major sections (auditory and verbal) with each section containing activities presented in a task hierarchy.

The manual was developed primarily for clinicians' use. It is both extensive and comprehensive in that stimulus material for all levels of aphasic involvement (from marked to mild) is contained within each task hierarchy. It is portable and efficient; a score sheet and all necessary materials are contained within the manual.

Although this manual is written with the aphasic adult in mind, selected tasks are also appropriate for apractic and dysarthric patients and those who are cognitively impaired. Suggestions for specific application are included in each section.



## **ACKNOWLEDGMENTS**

We are greatly indebted to three special persons who contributed to the completion of this project. We are grateful to Susan Slakey and Wendy Walker for their excellent and clear illustrations. We wish to thank Julia Halladay Robinson for her many hours of typing and editing for the completion of this manual.





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# **APHASIA REHABILITATION**



## ***SECTION ONE***

### **AUDITORY PROCESSING**

#### **INTRODUCTION**

#### **SINGLE UNIT PROCESSING**

- Identification of Single Objects Named
- Answering Single Unit Yes-No Questions

#### **TWO UNIT PROCESSING**

- Answering Personal Two Unit Yes-No Questions
- Following Two Unit Body Part Commands
- Following Two Unit Commands with Visual Stimuli
- Identification of Objects Described by Function
- Identification of Objects Described by Other Characteristics
- Identification of Two Objects Named Serially
- Answering Two Unit Yes-No Questions

#### **THREE UNIT PROCESSING**

- Following Three Unit Body Part Commands
- Following Three Unit Commands with Visual Stimuli
- Identification of Three Objects Named Serially
- Answering Three Unit Yes-No Questions

#### **MULTIPLE UNIT PROCESSING**

- Following Multiunit Body Part Commands
- Following Multiunit Commands with Visual Stimuli
- Answering Multiunit Yes-No Questions
- Following Multiunit Commands—*Temporal Relations*
- Following Multiunit Commands—*Spatial Relations*
- Following If-Then Commands with Visual Stimuli
- Following If-Then Body Part Commands
- Answering Multiunit Yes-No Questions—*Comparatives*
- Answering Multiunit Yes-No Questions—*Temporal Relations*
- Answering Multiunit Yes-No Questions—*Spatial Relations*

#### **PARAGRAPH COMPREHENSION**

- My Grandmother
- The Oldest Man

Cauliflower  
McDonald's Hamburgers  
Horseradish  
Howard Hughes  
Monaco  
Nantucket  
The Dinner  
Michael Malloy

## INTRODUCTION

This section of the manual is focused on drills designed to strengthen the auditory processing modality. The treatment tasks developed and selected for this section include:

1. Tasks requiring single unit processing.
  - a. Identification of objects named
  - b. Answering yes-no questions
2. Tasks requiring two unit processing.
  - a. Identification of objects named
  - b. Identification of objects described
  - c. Following two unit commands
  - d. Answering yes-no questions
3. Tasks requiring three unit processing.
  - a. Identification of objects named
  - b. Following three unit commands
  - c. Answering yes-no questions
4. Tasks requiring multiple unit processing.
  - a. Answering yes-no questions containing comparatives, temporal relations, spatial relations, and if-then situations
  - b. Following multiple unit commands
5. Paragraph comprehension.

These treatment tasks were selected to strengthen auditory processing deficits of retention, sequencing, slow rise time, intermittent auditory imperception, reduced information capacity, noise buildup, and shifting ability. The treatment tasks are presented in a task hierarchy, first introducing single units of information and progressing to multiple units of information, thus strengthening the aphasic adults' potential capacity for processing auditory information.

The following variables were considered when establishing this task hierarchy:

1. *Length of Stimuli.* The number of words in the stimuli, including small functor words as well as the number of substantive units contained in the stimuli, were considered in the stimuli development and placement in the hierarchy.
2. *Semantic complexity of stimuli.* A stimuli's use in the English language was considered an important factor. High frequency words are known to be easier to process than low frequency words.
3. *Syntactic complexity of stimuli.* Treatment tasks were developed and selected with syntactic structures in mind. Such structures include