irk bread

# SPEECH PRACTICE MANUAL

for Dysarthria, Apraxia, and Other Disorders of Articulation

## COMPARE AND CONTRAST

date pread

ding-don ROBERT L. KEITH, M.S. tart for Pete to eat. dip down JACK E. THOMAS, M.S. time spent taking tests.

I'll have Harry's hide for tha The ham dinner we had was

# SPEECH PRACTICE MANUAL

for Dysarthria, Apraxia, and Other Disorders of Articulation

COMPARE AND CONTRAST

ROBERT L. KEITH, M.S.

Assistant Professor, Mayo Medical School Associate, Speech-Language Pathology Section of Speech Pathology Department of Neurology Mayo Clinic Rochester, Minnesota

江苏工业学院图书馆 藏 书 章

JACK E. THOMAS, M.S.

Speech-Language Pathologist Section of Speech Pathology Department of Neurology Mayo Clinic Rochester, Minnesota

1989

B.C. Decker Inc • Toronto • Philadelphia

**Publisher** 

United States

Canada

and Possessions

B.C. Decker Inc

3228 South Service Road

Burlington, Ontario L7N 3H8

Sales and Distribution

The C.V. Mosby Company 11830 Westline Industrial Dr.

Saint Louis, Missouri 63146

The C.V. Mosby Company, Ltd.

5240 Finch Avenue East, Unit No. 1

Scarborough, Ontario M1S 5P2

United Kingdom, Europe and the Middle East

Blackwell Scientific Publications, Ltd.

Osney Mead, Oxford OX2 OEL,

England

Australia and New Zealand

Harcourt Brace Jovanovich Group (Australia) Pty Limited

30-52 Smidmore Street Marrickville, N.S.W. 2204

Australia

Japan Igaku-Shoin Ltd.

Tokyo International P.O. Box 5063 1-28-36 Hongo, Bunkyo-ku,

Tokyo 113, Japan

B.C. Decker Inc 320 Walnut Street

Suite 400

Philadelphia, Pennsylvania 19106

Info-Med Ltd. Asia

802-3 Ruttonjee House 11 Duddell Street Central Hong Kong

South Africa

Libriger Book Distributors

Warehouse Number 8 "Die Ou Looiery" Tannery Road

Hamilton, Bloemfontein 9300

South America Inter-Book Marketing Services

Rua das Palmeriras, 32

Apto. 701

222-70 Rio de Janeiro

RJ, Brazil

SPEECH PRACTICE MANUAL for Dysarthria, Apraxia, and Other Disorders of Articulation COMPARE AND CONTRAST

ISBN 1-55664-134-6

© 1989 by Mayo Foundation, Rochester, Minnesota under the International Copyright Union. All rights reserved. No part of this publication may be reused or republished in any form without written permission of the publisher.

## **CONTENTS**

Acknowledg	ments	V
Introduction		1
Chapter 1:	Oral and Facial Postures	3
Chapter 2:	Consonants	14
	b	16
	ch	21
	d	25
	f	31
	g	36
	h	41
	i	44
	k	48
	1	54
	m	62
	n	68
	ng	77
	p	79
	r	84
	s	89
	sh	97
		102
	th (voiceless)	111
	th (voiced)	
		114
	<b>v</b>	115
	w	118
	y	123
	Z	126

Chapter 3:	Vowels and Diphthongs	129
	e as in beet	131
	<b>i</b> as in bit	138
	e as in bet	144
	a as in bat	151
	o as in pot or bought	160
	<b>oo</b> as in boot	170
	oo as in book	173
	<b>u</b> as in but	176
	oa as in boat	182
	ai as in bait	187
	ou as in bout	196
	<b>i</b> as in bite	199
	oy as in boy	203
	<b>u</b> as in butte	205
	ur as in burr and variants	206
Chapter 4:	Open Mouth Vowels and Diphthongs	211
Chapter 4: Chapter 5:	Open Mouth Vowels and Diphthongs	211 214
	Dialogues	214
	<b>Dialogues</b>	214 216
	DialoguesMother-in-LawFish Story	214 216 217
	Dialogues  Mother-in-Law  Fish Story  Second Chance	214 216 217 219
	Dialogues  Mother-in-Law  Fish Story  Second Chance  Door-to-Door Salesman	214 216 217 219 220
	Dialogues  Mother-in-Law  Fish Story  Second Chance  Door-to-Door Salesman  Complaint Department  New School	214 216 217 219 220 221
	Dialogues  Mother-in-Law  Fish Story  Second Chance  Door-to-Door Salesman  Complaint Department	214 216 217 219 220 221 223
	Dialogues  Mother-in-Law  Fish Story  Second Chance  Door-to-Door Salesman  Complaint Department  New School  Anniversary	214 216 217 219 220 221 223 226
	Dialogues  Mother-in-Law  Fish Story  Second Chance  Door-to-Door Salesman  Complaint Department  New School  Anniversary  Goddess	214 216 217 219 220 221 223 226 228
	Dialogues  Mother-in-Law  Fish Story  Second Chance  Door-to-Door Salesman  Complaint Department  New School  Anniversary  Goddess  Accident	214 216 217 219 220 221 223 226 228 230
	Dialogues  Mother-in-Law  Fish Story  Second Chance  Door-to-Door Salesman  Complaint Department  New School  Anniversary  Goddess  Accident  Radio Show	214 216 217 219 220 221 223 226 228 230 232
	Dialogues  Mother-in-Law  Fish Story  Second Chance  Door-to-Door Salesman  Complaint Department  New School  Anniversary  Goddess  Accident  Radio Show  Diet	214 216 217 219 220 221 223 226 232 234

#### Introduction

**com•pare**: to examine (two or more things, ideas) for the purpose of noting similarities and differences

syn compare, contrast—agree in placing together two or more things and examining them to discover characteristics, qualities, etc.

**con•trast**: to compare in order to show unlikeness or differences; note the opposite natures, purposes, etc.

syn differentiate, distinguish. See compare.

SPEECH PRACTICE MANUAL FOR DYSARTHRIA, APRAXIA, AND OTHER DIS-ORDERS OF ARTICULATION is a compendium of drill and practice material. Our need for speech practice material, which we could not find in other published sources, was the original impetus for developing this material for dysarthric and apraxic individuals. Much of the material here is intended to compare and contrast articulatory aspects of speech. It has also been used as a stimulus to practice various stress patterns and other components of prosody (length, tone, and intonation), as well as to increase and decrease speech rate.

Much of speech management is the systematic practice of specially selected and ordered exercises. Drill requires successful repetition of progressively more difficult tasks. It involves task continua. The creativity and joy in treatment comes with planning the continua and responding to the unforeseen within a treatment session. The danger in constructing ordered tasks is that the steps will be insignificant so that clients are not challenged, or so great that they constantly have difficulty, get discouraged, and finally abandon the therapeutic effort. So, steps must be neither insignificant nor gigantic.

From the outset, we intended that this book be a kind of workbook from which the speech impaired individual would work under the guidance and specific instruction provided by a speech pathologist. Therefore, the speech pathologist directing the use of this material must be ready to discard, substitute, or repeat any task to obtain the goals expected for a given client. Also, the material in this book is not arranged in any hierarchical order. Starting at the first chapter and proceeding to the next will not be appropriate for most individuals. Practice material should be carefully selected for each individual.

The speech practice material found in SPEECH PRACTICE MANUAL FOR DYSAR-THRIA, APRAXIA, AND OTHER DISORDERS OF ARTICULATION is not the only resource a speech pathologist will need for working with speech-impaired individuals. The speech pathologist should select his or her own assessment and accountability measurements to determine the direction and efficacy of treatment. The drill and practice stimuli presented here should be supplemented with other material for instructions to facilitate certain speech sounds, the production of consonant clusters and polysyllabic words, control of speech rate, and aspects of voice and prosody.

Use this workbook as an aid to your ingenuity in rehabilitation of speech for individuals with dysarthria, apraxia of speech, and other articulation impairments.

### Chapter 1: Oral and Facial Postures

Practicing oral and facial postures and movements helps to focus attention on the lips, tongue, and jaw, and to move them with purpose. As you practice these movements in front of a mirror alone or together with a speech pathologist, you become aware of what is needed to produce specific and precise movements. Such maneuvers may also improve the accuracy, speed, and strength of speech movements. However, it is uncertain whether such improvements actually occur, and for some individuals strengthening the speech musculature is neither necessary nor desirable.

It is not intended for every individual with a speech problem to practice every position and maneuver pictured here. Rather, the speech pathologist should help determine which postures and movements to practice, how long and how frequently to do them, and the pace of practice. Space has been left at the bottom of each picture for the speech pathologist to make recommendations for practice.

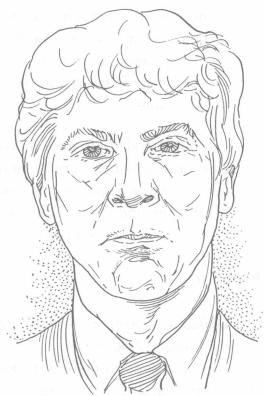
#### **Problems**

- 1. Difficulty in posturing tongue, lips, teeth, and lower jaw or uncertainty as to how the posture should look.
- 2. Lack of awareness of facial or tongue weaknesses.
- 3. General facial weakness and inability to control specific positioning of tongue, lips, and lower jaw.
- 4. Difficulty in understanding how facial or oral weaknesses can distort speech-sound production.

### **Therapeutic Approaches**

- 1. Look at the picture of a certain oral posture and read the description beneath it. Then look in a mirror and see if you can produce the same positioning.
- 2. During imitation of oral and facial postures in front of a mirror try to match the postures shown in the pictures. This will help you become more aware of areas of weakness and asymmetry.
- 3. In front of a mirror and frequently throughout the day practice the oral and facial postures recommended by your speech pathologist.
- 4. In front of a mirror, compare your tongue, lip, and jaw movements with those of your speech pathologist as you produce particular speech sounds.





Practice opening your mouth, as for "ah." Look to see if your lips are symmetrical (even). Hold this position for a few seconds, then close your mouth. Repeat.

With your mouth closed, press your lips together tightly. Hold this position for a few seconds, relax, then repeat.

	Recommendations:
Recommendations:	<del>aus</del> -



With teeth closed, open your lips and retract them, as if showing your teeth. Try to keep lips symmetrical. Hold this position for a few seconds, relax, then repeat.

Recommendations:	



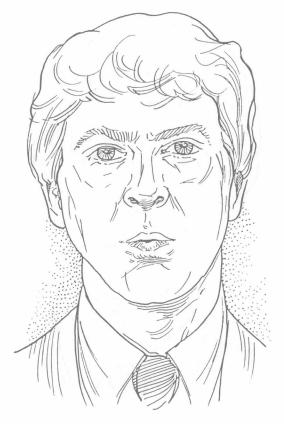
Open your mouth slightly, spreading your lips as though making a broad smile. Try to keep lips symmetrical. Hold this position for a few seconds, relax, then repeat.

Recommendations:	



Open your mouth slightly and round your lips, as for "oh." Hold this position for a few seconds, relax, then repeat.

Recommendation	IS:	



Shape your lips as though you are saying the vowel in the word "blue." Hold this position for a few seconds, relax, then repeat.

Recommendations:	



Pucker up your lips by pressing them together and pushing them forward. Hold this position for a few seconds, relax, then repeat.

Recommendations:	<del></del>



Open your mouth and make your tongue protrude out to your lips. Try to stick your tongue straight out. Hold this posture for a few seconds, relax, then repeat.

Recommendations:	



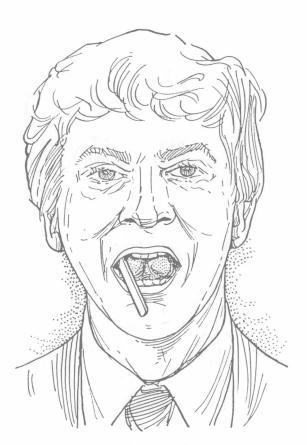


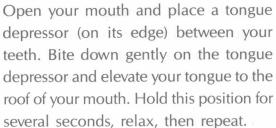
Open your mouth widely. Lay a tongue depressor across your tongue. As you push down gently with the tongue depressor, try to raise your tongue. Hold this position for several seconds, relax, then repeat.

Recommendations: \_\_\_\_\_

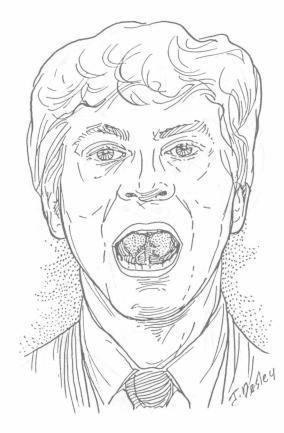
Open your mouth widely. Place a tongue depressor under your tongue, lifting toward the roof of your mouth. Try to resist the tongue depressor by pushing downward with your tongue. Hold this position for several seconds, relax, then repeat.

Recommendations:	





Recommendations:	



Open your mouth widely and elevate your tongue up behind your upper teeth, touching the roof of your mouth. Move your tongue, not your jaw. Hold this posture for several seconds, relax, then repeat.

Recommendations:	



Open your mouth and make your tongue protrude, directing it down toward your chin. Hold this posture for a few seconds, relax, then repeat.

Recommendations:	×



Open your mouth enough to make your tongue protrude, then raise the tip of it toward your nose. Hold this posture for a few seconds, relax, then repeat.

Recommendations:	



Open your mouth and make your tongue protrude. Place a tongue depressor on the right side of your tongue. Push your tongue to the left with the tongue depressor. Try to resist this movement by pushing to the right with your tongue. Continue this movement for several seconds, relax, then repeat.





Open your mouth and make your tongue protrude. Place a tongue depressor on the left side of your tongue. Push your tongue to the right with the tongue depressor. Try to resist this movement by pushing to the left with your tongue. Continue this movement for several seconds, relax, then repeat.

Recommendations:		



Open your mouth enough to make your tongue protrude, then move it to the right corner of your mouth. Hold this posture for several seconds, relax, then repeat. You may want to alternate between this position and the one following.

Recommendations:

Open your mouth enough to make your tongue protrude, then move it to the left corner of your mouth. Hold this posture for several seconds, relax, then repeat. You may want to alternate between this position and the preceding one.

Recommendations:	L 115 14 24 5.	
	,	