

Contents

Acknowledgements ix

A Note on Gender xi

Introduction 1

1. The Meaning of the Marks 7

Scribbling 7

An Evaluation of Kellogg's Theory 8

Early Non-pictorial Representations 9

Fortuitous Realism 11

Pictorial Representation 12

Denotation Systems 14

Segmentation and Contouring 18

Volumetric and Surface Representations 19

Occluding Contours 20

Summary 21

2. The Tadpole Figure 23

Introduction 23

Age of Tadpole-drawers 24

Is the Tadpole Figure Copied from Others? 24

Does the Child Lack Knowledge of the Human Form? 25

Is the Tadpole Figure an Aesthetically "Good Form"? 26

An Internal Model 26

The Most Distinguishing Features 27

Performance Overload 29

| | |
|--------------------------------|----|
| A Selection Task | 30 |
| A Shorthand Form | 31 |
| The Dictation Task | 31 |
| The Undifferentiated Tadpole | 33 |
| Where Should the Torso Go? | 34 |
| The Manikin Task | 36 |
| The Position of the Arms | 39 |
| Taking Stock | 40 |
| Teaching the Conventional Form | 41 |
| Longitudinal Data | 42 |
| The Transitional Form | 43 |
| A Mixture of Styles | 44 |
| Summary | 45 |

3. Children's Modifications of Their Human Figure Drawings 49

| | |
|---------------------------------|----|
| The Introduction of the Torso | 49 |
| Adding More Body Parts | 49 |
| The Head and the Torso | 51 |
| Arms and Legs | 52 |
| From Segmentation to Contouring | 52 |
| Partial Occlusion of Body Parts | 54 |
| The Canonical View | 56 |
| Figures in Profile | 57 |
| Figures in Action | 60 |
| Transparency Drawings | 61 |
| Bodily Proportions | 62 |
| Representational Redescription | 64 |
| Summary | 66 |

4. Human Figure Drawings as Measures of Intellectual Maturity 67

| | |
|-------------------------------------|----|
| Early Investigations | 67 |
| The Draw-a-Man Test | 67 |
| Reliability of the Draw-a-Man Test | 68 |
| Validity of the Draw-a-Man Test | 70 |
| The Revised Drawing Test | 70 |
| Koppitz's Developmental Items | 71 |
| Children with Learning Difficulties | 72 |
| Drawing the Best Picture | 73 |
| Summary | 74 |

5. Human Figure Drawings as Indicators of Children's Personality and Emotional Adjustment 77

| | |
|---------------------------------|----|
| The Machover Draw-a-Person Test | 77 |
| Criticisms of the Machover Test | 79 |

| | |
|--------------------------------|----|
| Emotional Adjustment | 81 |
| Koppitz's Emotional Indicators | 82 |
| Experimental Interest | 84 |
| Large Heads | 85 |
| Important People are Taller | 85 |
| Threatening People are Smaller | 86 |
| Nice and Nasty | 87 |
| Distance Between Figures | 88 |
| Summary | 88 |

6. Sex Differences in Children's Human Figure Drawings 91

| | |
|--|----|
| Topics Selected in Spontaneous Drawings | 91 |
| Are Boys Ahead of Girls? | 92 |
| Sexual Preference | 94 |
| Differentiation of Male and Female Figures by Boys and Girls | 95 |
| Explicit Sexual Features | 97 |
| Summary | 98 |

7. Human Figure Drawings in Different Cultures 101

| | |
|---|-----|
| The Importance of the Human Figure | 101 |
| Artistic Cultures | 101 |
| Non-representational Art | 103 |
| Changing Traditions | 104 |
| Minority Groups | 106 |
| The Importance of the Human Figure is Relative | 106 |
| The Graphic Symbol for a Person | 107 |
| Problems for Cross-cultural Research | 108 |
| Cultural Variations in Human Figure Drawings | 108 |
| A Difference in Structure | 109 |
| Depiction of Racial/Cultural Features | 111 |
| How Children Learn to Draw | 115 |
| Peer Influence | 116 |
| Implications for Our Understanding of Children's Drawings | 118 |

8. Overview 123

| | |
|---|-----|
| The Purpose of Scribbling | 124 |
| The Tadpole Figure | 125 |
| The Internal Model | 126 |
| The Search for Equivalents | 128 |
| Constraints on Change | 130 |
| Stages of Realism | 131 |
| Use of Drawings for Diagnostic Purposes | 133 |
| Universality of Drawings | 134 |

References 137

Author Index 147

Subject Index 151