Contents

Conference participants Introduction

page xi xiii

PART I. PHYLOGENETIC AND CULTURAL RITUALIZATION

1 Functions of rituals

1.1	<i>Irenäus Eibl-Eibesfeldt</i> Ritual and ritualization from a biological perspective	3
1.2	<i>Thomas Luckmann</i> Personal identity as an evolutionary and historical problem	56
Con	nments on papers by Eibl-Eibesfeldt and Luckmann Rom Harré	75
Rep	ly to Harré's comments Irenäus Eibl-Eibesfeldt	81
Rep	ly to Harré's comments Thomas Luckmann	83
Refe	erences	86
2 1	Property and territoriality	
2.1	Irwin Altman Privacy as an interpersonal boundary process	95
2.2	Maurice Godelier Territory and property in primitive society	133

vi	Contents	
Comments on papers by Altman and Godelier Lionel Tiger		
References		163
3 1	Non-verbal and verbal rituals in interaction	
3.1	Paul Ekman	
	About brows: emotional and conversational signals	169
3.2	Erving Goffman Response cries	203
Con	nments on papers by Ekman and Goffman Jürgen Habermas	241
Rep	ly to Habermas' comments Paul Ekman	245
Refe	erences	246
	RT II. ORGANIZATION OF SOCIAL BEHAVIOUR	
4 1	Functional aspects of aggression, fear and attachment	
4.1	Paul Leyhausen Aggression, fear and attachment: complexities and interde- pendencies	253
4.1 4.2	Aggression, fear and attachment: complexities and interde-	253 265
4.2	Aggression, fear and attachment: complexities and interde- pendencies Roger D. Masters	
4.2 Con	Aggression, fear and attachment: complexities and interde- pendencies <i>Roger D. Masters</i> Beyond reductionism: five basic concepts in human ethology	265
4.2 Con Rep	Aggression, fear and attachment: complexities and interde- pendencies <i>Roger D. Masters</i> Beyond reductionism: five basic concepts in human ethology mments on papers by Leyhausen and Masters <i>Derek Freeman</i>	265 285
4.2 Con Rep Refe	Aggression, fear and attachment: complexities and interde- pendencies <i>Roger D. Masters</i> Beyond reductionism: five basic concepts in human ethology ments on papers by Leyhausen and Masters <i>Derek Freeman</i> ly to Freeman's comments <i>Roger D. Masters</i>	265 285 293
4.2 Con Rep Refe	Aggression, fear and attachment: complexities and interde- pendencies <i>Roger D. Masters</i> Beyond reductionism: five basic concepts in human ethology ments on papers by Leyhausen and Masters <i>Derek Freeman</i> by to Freeman's comments <i>Roger D. Masters</i> erences	265 285 293
4.2 Con Rep Refe	Aggression, fear and attachment: complexities and interde- pendencies Roger D. Masters Beyond reductionism: five basic concepts in human ethology ments on papers by Leyhausen and Masters Derek Freeman ly to Freeman's comments Roger D. Masters erences Neurobiological and psychological mechanisms of aggressive behavior J. P. Flynn, D. Smith, K. Coleman and C. A. Opsahl Anatomical pathways for attack behavior in cats	265 285 293 296
4.2 Con Rep 5 1 1 5.1 5.2	Aggression, fear and attachment: complexities and interde- pendencies Roger D. Masters Beyond reductionism: five basic concepts in human ethology ments on papers by Leyhausen and Masters Derek Freeman ly to Freeman's comments Roger D. Masters erences Neurobiological and psychological mechanisms of aggressive behavior J. P. Flynn, D. Smith, K. Coleman and C. A. Opsahl Anatomical pathways for attack behavior in cats Albert Bandura	265 285 293 296 301

ş

Ŀ

1

ì

Contents	vii
Reply to Reynolds' comments J. P. Flynn	364
Reply to Reynolds' comments Albert Bandura	366
References	372
6 Intra- and intergroup relationships in primates	
6.1 Hans KummerOn the value of social relationships to nonhuman primates:a heuristic scheme	381
6.2 <i>Henri Tajfel</i> Human intergroup conflict: useful and less useful forms of analysis	396
Comments on papers by Kummer and Tajfel Mario von Cranach	423
Reply to von Cranach's comments Hans Kummer	428
References	430

PART III. ONTOGENY OF PRIMATE BEHAVIOUR

7 Development of social interaction

7.1	William A. Mason Maternal attributes and primate cognitive development	437
7.2	Hanuš Papoušek and Mechthild Papoušek Early ontogeny of human social interaction: its biological roots and social dimensions	456
	nments on papers by Mason and the Papoušeks Harriet L. ngold	479
Refe	erences	487

8 Cognitive development

3

•

8.1 William R. CharlesworthEthology: understanding the other half of intelligence 491

viii Contents

8.2 Colwyn Trevarthen Instincts for human understanding and for cultural coopera- tion: their development in infancy	530
Comments on papers by Charlesworth and Trevarthen Dalbir Bindra	572
Reply to Bindra's comments William R. Charlesworth	578
Reply to Bindra's comments Colwyn Trevarthen	581
References	586

9 Consequences of early experience

9.1	Eric A. Salzen Social attachment and a	sense of secur	ity	595
9.2	Judy Dunn Understanding human sibilities in an ethologica		limitations and pos-	623
Com	ments on papers by Salz	zen and Dunn	Robert A. Hinde	642
Repl	y to Hinde's comments	Eric A. Salzen		647
Repl	y to Hinde's comments	Judy Dunn		649
Refe	rences			652

10 Ontogeny of auditory perception

10.1	<i>Peter Marler</i> Development of auditory perception in relation to vocal behavior	663
10.2	A. M. Liberman An ethological approach to language through the study of speech perception	682
Comments on papers by Marler and Liberman D. Ploog		705
Refe	rences	711

	Contents	ix
11	Language development	
11.1	<i>David McNeill</i> Language origins	715
11.2	Klaus Foppa Language acquisition: a human ethological problem?	729
Com	ments on papers by McNeill and Foppa Willem J. M. Levelt	739
Repl	y to Levelt's comments David McNeill	745
Refe	rences	748

Index