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The work of the Unit is mainly concerned with research on child development, with particular emphasis on the growth and influence of parent-child relationships and the effect of medical practice on children and parents. The Unit is associated with the Medical School (Regius Professor of Physic, Professor Sir John Butterfield, Professor of Paediatrics, Professor J.A. Davies) and the Social & Political Sciences Committee. In several projects we work closely with the Consultant Paediatricians (Dr. N.R.C. Robertson and Dr. N. Barnes) at Addenbrooke's Hospital. Much of our work is supported by grants from the Social Science Research Council, the Department of Health and Social Security and through studentships from the Medical Research Council and the Social Science Research Council. Members of the Unit teach for various departments in the University, especially Social & Political Sciences, Experimental Psychology and the Medical Sciences Tripos.

The largest study currently in progress is a longitudinal study of mother-child relationships and aspects of child development. This project, which was initiated in 1968, will be concluded within the next year, 'follow-up' data was gathered at the later ages.

Ronald Albino is attempting to identify and to explicate some of the intuitive rules of data collection and the attribution of mental predicates implied in recent empirical work on early mother-child interaction. He is interested in the application of findings in child development to improving the condition of children of impoverished urban immigrant populations.

Roger Bacon is working on a 3½ year project for the DHSS on the identification, management and treatment of child abuse in Cambridge-shire. His particular area of interest is in social work and child-care services, and the attitudes of abusing and 'at risk' parents and families.

Frances Barnes is engaged on a study of the children in the longitudinal study at 2½-3 years - focussing on patterns of communication in the family, in as far as it is informative about underlying relationships. Work continues on the relationships between the children's status at birth and their later development.

Denise Campbell is working on a study to evaluate the effectiveness of Special Care Baby Units with the aim of investigating the effects of perinatal factors on neonatal morbidity and mortality. Particular emphasis will be placed on understanding why admission and discharge policies differ between units and whether these differences are associated with varying mortality and morbidity rates.

Shelley Day is beginning a study of the psychological effects on women of obstetric medicine, with interest in the outcomes of both home and hospital deliveries; focussing on "post-natal depression", the psychology and politics of childbirth/motherhood/mental health.

Iain Farquhar is completing his thesis on Transcendental Meditation, and is also employed on the DHSS project headed by Roger Bacon (see above).

Chris Henshall is working on a study of children's concepts of gender and gender roles, and the relationship of these concepts to their own behaviour and to their parents' behaviour and attitudes.

Elspeth Highkin is studying the way Cambridge students see themselves within the University, and the ways in which they cope with severe stress.

\* Please see foot of next page for Antonis - omitted in error.

Cornelius Katona is working on a study of primiparous women having their babies in Cambridge. He is interested in their initial expectations and final assessment of antenatal classes and the relationship between the actual influence the classes have and the aims of the staff who conduct them.

Jane Kenrick is working on family ideology, concentrating on the impact of separation and divorce on couples with children.

Marshall Klaus is a paediatrician whose major research interest is the process of parent to infant attachment. He is beginning studies of early proximal parent to infant communication. He is continuing his work on the effect of a Doula on the length of labour and foetal asphyxial complications.

Roland Klepzig is conducting a theoretical study into the concept of 'consciousness'. He is especially concentrating on its relation to the developments of concepts, language and the 'self', during the first years of life. An attempt is being made to fuse aspects of developmental psychology, phenomenology, psychoanalysis and marxism with insights of the nature of consciousness described in the original revelations of certain spiritual traditions.

Martin Richards (with Jane Kenrick) is working under a contract from the SSRC on a study of ideologies of parenthood. The aim is to describe the ways in which parents conceptualise their own views of childrearing and the development of their children. The project is partially historical and will look at changes in England since 1940. An analysis will be made of documentary evidence (e.g. Reports of Royal Commissions, Family Law, books written for parents, etc.) over the relevant period.

Jane Selby is working on the social and psychological issues of being a career woman, especially in academia as research students. Also the methodological issues in social psychology.

Stephen Scott is investigating the effect of a change of bedding texture on the behaviour of premature babies in incubators. Preliminary findings show that a switch from cotton to lambswool leads the babies to grow more quickly (weight gain rate increases by 30% or more) and to be calmer (rapid movements reduced by 60% or more). He is also involved in organising discussion groups for hospital personnel at all levels to explore feelings which arise while working with patients.

Anne Weissman is observing potential differences in interactions between depressed mothers and their infant, and non-depressed mothers and their infant, the impact of maternal depression on the infant's early cognitive development - for instance, on the formation of object concept - will be examined.

\* Omitted from previous page

Barbara Antonis is working on the social and cognitive development of the 5½ year olds in the longitudinal study and how this development relates to parental and child measures at earlier ages, including the mothers' pregnancies.

Recent and forthcoming publications by members of the Unit

- Antonis, B. "The First Pregnancy: Mothering and attitudes to it in working and non-working mothers." Unpublished Ph.D. dissertation.
- Antonis, B. 'Motherhood and mothering' - to appear in the book of the Women in Society Course. Virago, 1980.
- Antonis, B., Allport, A. and Reynolds, P. 'On the division of attention: A disproof of the single channel hypothesis.' Quart. J. Exp. Psychol. 1972, 24(2), 225-235.
- Bacon, R. Problems in the relationship between Sociological Theory and Sociological Practice with special reference to the interpretation of attempted suicide by drug overdosing. Ph.D. Thesis, University of Cambridge.
- Bacon, R. Management of Resources for fostering and adoption in Region 5. A Study of Needs and Resources for Substitute Family Care. A confidential Report to the DHSS. (A summarised Report is published by the Association of British Adoption & Fostering Agencies).
- Bacon, R. Organization and Practice. Adoption and Fostering.
- Bacon, R. 'Breaking Cycles' - a Review of 'Cycles of Disadvantage'. Adoption & Fostering.
- Bacon, R. Child-Care and Child-Abuse - Connections & Implications. Adoption & Fostering, December 1977.
- Bacon, R. Lack of Planning, Lack of Care. A Re-examination of the Wayne Brewer Report, to be published in Cranfield Social Policy Studies, Vol.2.
- Bacon, R. Some Conceptual & Methodological Problems in Preventive Police Research. In The Cranfield Papers "The Proceedings of the 1978 Cranfield Conference on the Prevention of Crime in Europe". Peel Press, 1979.
- Barnes, F. Birth of a Ngoni child. Man, 49.
- Barnes, F. Palaeolithic Man. In 'Insight on Human Biology', Australian Broadcasting Commission, pp.23-28, Sydney.
- Barnes, F. 'Biology of Man' ed. Stephen Boyden. Australian National Univ. Press.
- Barnes, F. On having a relatively poor status at birth: some characteristics of the children and their mothers. Paper presented at the Spastics Society Developmental Neurology Meeting Oxford, September 1974.
- Barnes, F. Handedness and Birth Stress in a Sample of Normal Children New Scientist 67, No.959, 25 July 1975.
- Barnes, F. Accidents in the first three years of life. Child: care, health and development 1975, 1, 421-433.
- Campbell, D. Smoking Policies in Canadian Hospitals. Dimensions in Health Services, 53, 12, 1976.
- Bakal, D., I. Routman & D. Campbell. Drug Use in Rural Alberta. Internal Report Series EAD-76-84, NMUD, Ottawa, 1976.
- Campbell, D. Acute Drug Poisonings: A Review. Internal Report Series EAD-77-106, NMUD, Ottawa, 1976.
- Dunn (Bernal) J.F. Crying during the first 10 days of life, and maternal responses. Developm. Med. Child Neurol. 14, 362-72, 1972
- Dunn (Bernal) J.F. Attachment: some problems and possibilities. In M.P.M. Richards (ed.) 'The Integration of a Child into a Social World.' Camb. Univ. Press, 1974.

- Dunn (Bernal) J.F. Night waking in the first 14 months. *Developm. Med. Child Neurol.* 15, 760-769, 1973.
- Dunn (Bernal) J.F. Consistency and change in maternal style. *Parent-Infant Interaction. Ciba Foundation Symp. No.33, Elsevier, 1975.*
- Dunn, J.F. Patterns of early interaction: continuities and consequences. In H.R. Schaffer (ed.) 'Studies in Mother-Infant Interaction.' Academic Press 1977.
- Dunn (Bernal) J.F. & Richards, M.P.M. Social interaction in the first days of life. In H.R. Schaffer (ed.) 'The Origins of Human Social Relations.' Academic Press, 1971.
- Dunn (Bernal) J.F. & Richards, M.P.M. What can the zoologist tell us about human development? In A.S. Barnett (ed.) 'Ethology and Development' (Little Clinics Clubs in Developm. Med. No.47). Spastics Society/Heinemann Medical Books, 1973.
- Dunn (Bernal) J.F. & Richards, M.P.M. Observations on the developing relationship between mother and baby in the neonatal period. Presented at the Loch Lomond Symposium on Mother-Infant Interaction and to appear in 'Studies in mother-infant interaction' by H.R. Schaffer. Academic Press, 1977.
- Henshall, C.H. The Ontogenesis of Gender Identity and Gender Roles: A review of the literature and a research proposal. Unpublished paper, 1977.
- Highkin, E.G. A brief look at current concepts of depression. Unpublished paper, 1979.
- Light, P. The Development of Social Sensitivity. A Study of Social Aspects of Role-Taking in Young Children. Camb. Univ. Press.
- Richards, M.P.M. (ed.) 'The Integration of a Child into a Social World.' Camb. Univ. Press, 1974. Chapter: First steps in becoming social.
- Richards, M.P.M. An ecological study of infant development in an urban setting in Britain. In P.H. Leiderman, S.R. Tulkin & A. Rosenfeld (eds.) 'Culture and Infancy.' Academic Press, 1977.
- Richards, M.P.M. Non-accidental injury to children in an ecological perspective. In 'Non-accidental injury to children.' DHSS, HMSO 1975.
- Richards, M.P.M. Feeding and the early growth of the mother-child relationship. In Kretchmer, N., Rossi, E. and Sereni, F. (eds.) 'Modern Problems in Pediatrics.' No.15 Milk & Lactation. Karger, Basel, 1975.
- Richards, M.P.M. Interaction and the concept of development: the biological and the social revisited. In 'Interaction, Conversation and the Development of Language.' M. Lewis and A. Rosenblum (eds.), New York, John Wiley, 1977.
- Richards M.P.M. History and the Study of Child Development. Presented at the 3rd Biennial Conf. of the ISSBD, Guildford, July 1975.
- Richards, M.P.M. Innovation in Medical Practice: obstetricians and the induction of labour in Britain. *Social Science & Medicine* 9, 595-602, 1975.
- Richards, M.P.M. Parents and children and non-accidental injury. In A. White Franklin (ed.) 'The Challenge of Child Abuse', Academic Press, 1977.
- Richards, M.P.M. Effects on infant behaviour of analgesics and anaesthetics used in obstetrics. Paper presented at 5th Conf. of the Europ. Teratology Soc., Italy, 1976.

- Richards, M.P.M. The induction and acceleration of labour: some benefits and complications. *Early Human Developm.*, 1, 3-17, 1977.
- Richards, M.P.M. A place of safety? An examination of the risks of hospital delivery. In 'The Place of Birth, J. Davis and S. Kitzinger (eds.) Oxford Univ. Press, 1978.
- Richards, M.P.M. Social relationships during infancy (Conduites du bebe: les fonctions de relations sociale). Part II Chapter 6, *La Psychologie. l'Encyclopedie de la Pleiade*, J. Piaget, J.P. Brouckart & P. Mounoud (eds.) Paris, Gallimiard, in press 1979.
- Richards, M.P.M. Public Health & Medical Practice. In R. Monroe & M. Wilkins (eds.) *The Biosciences & Society*. Liverpool Univ. Press, in press.
- Richards, M.P.M. & Bernal, J.F. An observational study of mother-infant interaction. In 'Ethological Studies of Child Behaviour', N. Blurton Jones (ed.). Cambridge Univ. Press, 1972.
- Richards, M.P.M., Bernal, J.F. & Brackbill, Y. Early behavioural differences: gender or circumcision? *Developmental Psychology* 9, 89-95, 1976.
- Richards, M.P.M., Dunn, J.F. & Antonis, B. Caretaking in the first year of life: The role of fathers and mothers' social isolation. *Child: care, health and development* 3, 23-36, 1977.
- Richards, M.P.M. & Robertson, N.R.C. Admission and discharge policies for special care baby units. In Brimblecombe, Richards and Robertson (eds.)(see below).
- Chalmers, I. & Richards, M.P.M. The effectiveness of present day obstetric practice. In Chard & Richards (eds.)(see below).
- Chard, T. & Richards, M.P.M. (eds.) Hazards and Benefits of the New Obstetrics. *Clinics in Developm. Medicine, Spastics Publications*, No.64, 1977.
- Chisholm, J.J. & Richards, M.P.M. Swaddling, cradleboards and the development of children. *Early Human Developm.* 2, 255-275, 1978.
- Hawthorne, J.T., Richards, M.P.M. & Callon, M. Parental visiting of children in a special care nursery. In Brimblecombe, Richards & Robertson (eds.)(see below).
- Brimblecombe, F.S.W., Richards, M.P.M. & Robertson, N.R.C. (eds.) 'Early Separation & Special Care Nurseries'. *Clinics in Developm. Medicine No.68, Spastics Publications*, 1978.
- Richards, M.P.M. Effects on development of early separations of parents and children. In D. Schaffer & J.F. Dunn (eds.) 'The First Year of Life', London, John Wiley (in press).
- Richards, M.P.M. Psycho-social implications of breast-feeding. In 'Nutrition and Growth of the Fetus', H.K.A. Visser (ed.), Martinus Nijhoff, The Hague, in press.
- Richards, M.P.M. The Biological and the Social. In 'Action, Gesture & Symbol', A. Lock (ed.), Academic Press, 1978.
- Richards, M.P.M. Conception, Pregnancy & Birth - a perspective from developmental psychology. Paper presented at the International Cong. for Psychosomatic Medicine in Obstetrics & Gynaecology, Rome 1977 and to appear in Proceedings.
- Richards, M.P.M. Perinatal morbidity & mortality in private obstetric practice. *J. Maternal & Child Hlth*, Sept. 1979.
- Richards, M.P.M. Developmental Psychology & Social Policy. Paper for Open Univ. Course team on Cognitive Psychology, 1978.
- Richards, M.P.M. Forced Labour. *General Practitioner* May 25, 1979.

McPherson, A., Richards, M.P.M. & Chalmers, I. Developing a bibliography of randomized controlled trials in perinatal medicine. Report submitted to the Family Health Division, W.H.O. 1979.

Richards, M.P.M. Infancy: World of the Newborn. Life Cycle Books/Harper & Row, 1980.

Richards, M.P.M. Fathers and Fatherhood. Penguin Books, in preparation, 1980.

#### CURRENTLY WORKING IN THE MEDICAL PSYCHOLOGY UNIT

RONALD ALBINO, Professor & Head of Dept. of Psychology, Univ. of Natal. (visiting until December 1979).

BARBARA ANTONIS, B.Sc. The first pregnancy and attitudes to mothering of working and non-working women. Follow-up at 4 and 5½ years of the 100 longitudinal study children.

ROGER BACON, M.A., Ph.D. Non-accidental injury to children.

FRANCES BARNES, M.B., B.Chir. Follow-up at 3 years of the 100 longitudinal study children. Development of autonomy in children and patterns of communication within the family.

JILL BROWN, Assistant Secretary.

DENISE CAMPBELL, M.A. 3rd year research student. Epidemiology of Perinatal Mortality.

IAIN FARQUHAR, M.A. Research Assistant. Non-accidental injury to children.

CHRIS HENSHALL, B.A. 3th year research student, SSRC. Gender & sex-role development.

ELSPETH HIGHKIN, 2nd year research student. Studying stress in university students.

CORNELIUS KATONA, M.A., M.B., B.Chir. Travelling Fellow of the Mental Health Foundation. Aims and effects of antenatal classes.

JANE KENRICK, Research Assistant. Working on family ideologies.

MARSHALL KLAUS, Professor. On Sabbatical from Case Western Reserve University School of Medicine (visiting until August 1980).

ROLAND KLEPZIG, Research Student, undertaking a theoretical study of the concept of consciousness.

PHYLLIS OSBOURN, Unit Secretary.

MARTIN RICHARDS, M.A. Ph.D. Lecturer in Social Psychology. Longitudinal study of parent-child relationships. Effects of medical practice on child development. Fathers.

JANE SELBY, M.A. 3rd year graduate student, SSRC. Working on the social and psychological issues of being a career woman.

ANNE WEISSMÁN, 1st year Research Student, observing the potential differences in interaction between depressed/non-depressed mothers and their infants.

SHELLEY DAY, 1st year Research Student, studying the psychological effects of obstetric medicine on women.

#### ASSOCIATED

DAVID INGLEBY, Social & Political Sciences, Free School Lane,  
Cambridge.

AIDAN MACFARLANE, Paediatric Consultant, 6 Cobden Crescent, Oxford.

ELENA LIEVEN, Dept. of Psychology, Univ. of Manchester.

#### ASSOCIATED WITH THE UNIT IN THE RECENT PAST HEALTH EDUCATION COUNCIL - DENTAL HEALTH PROJECT.

Mike, Craft, Ray Croucher and Ann Gilbert. Now at Addenbrooke's  
Hospital, Trumpington Street, Cambridge.

#### PAST RESEARCH STUDENTS

TONY BOOTH, now a tutor at the Open University, Milton Keynes.

JENNY CORRIGALL, now at the Rees Thomas School, Cambridge.

JUDY DUNN (formerly BERNAL), now at the Sub-department of Animal  
Behaviour, High Street, Madingley, Cambridge.

JOANNA HAWTHORNE, now living in Chicago.

NICHOLA JACQUES, now at the Paediatric Research Unit, Royal Devon &  
Exeter Hospital (Heavitree), Gladstone Road, Exeter, Devon.

GRAHAM RICHARDSON, now at 25 Falkland House, Marloes Road,  
London W8 5LF.

CATHY URWIN, now at the University of Warwick, Coventry.

MIKE WOOD, now at 654 Finchley Road, London, NW11 7NT.

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