

Please note

The text in this file has been automatically extracted and may contain minor errors. For the original version please consult the paper copy held in the Swinburne Library.

CHAPTER 8

BIBLIOGRAPHY

8.1 BIBLIOGRAPHY

Allen, L.S. and Gorski, R.A. (1986). Sexual dimorphism of the human anterior commissure. *Anatomical Record*, 214, 3A.

Allen, L.S., Richey, M.F., Chai, Y.M. and Gorski, R.A. (1991). Sex differences in the corpus callosum of the living human being. *The Journal of Neuroscience*, 11, 933-942.

Allen, M.J. and Hogeland, R. (1978). Spatial problem solving strategies as functions of sex. *Perceptual and Motor Skills*, 47, 348-350.

Altenmuller, E. (1989). Cortical DC-potentials as electrophysiological correlates of hemispheric dominance of higher cognitive functions. *International Journal of Neuroscience*, 47, 1-14.

Australia. Australian Science and Technology Council (1991). The demand and supply of scientists and engineers in Australia. Canberra: Australian Government Publishing Service.

Barlow, J.S. (1986). Artifact processing (rejection and minimization) in EEG Data Processing. In F.H. Lopes da Silva, W. Storm van Leeuwen and A. Remond (Editors), *Handbook of electroencephalography and clinical neurophysiology* (Vol. 2, revised series): Clinical applications of computer analysis of EEG and other neurophysiological signals (pp. 15-62). Amsterdam: Elsevier Science Publishers.

Bear, D., Schiff, D., Saver, J., Greenberg, M. and Freeman, R. (1986). Quantitative analysis of cerebral asymmetries: Fronto-occipital correlation, sexual dimorphism and association with handedness. *Archives of Neurology*, 43, 598-603.

Beaumont, G. and Mayes, A. (1977). Do task and sex differences influence the visual evoked potential? *Psychophysiology*, 14, 545-550.

Begley, S., Wright, L., Church, V. and Hager, M. (1992). Mapping the brain. *The Bulletin*, 114 (June 9), 76-80.

Benton, A.L., Varney, N.R. and Hamsher, K. (1978). Visuospatial judgement. *Archives of Neurology*, 35, 364-367.

Berger, H. (1929). Uber das Elektrenkephalogramm des Menschen. *Arch. Psychiat. Nervenheilk*, 87, 527-570.

Blair, R.C. and Karniski, W. (1993). Distribution-free statistical analysis of surface and Volumetric maps. In R.W. Thatcher, M. Hallett, T. Zeffiro, E.R. John and M. Huerta (Editors), *Functional neuroimaging: Technical Foundations* (in press).

Bleier, R., Houston, L. and Byne, W. (1986). Can the corpus callosum predict gender, age, handedness, or cognitive differences? *Trends in Neurosciences*, 9, 391-394.

Bowers, C.A. and LaBarba, R.C. (1988). Sex differences in the lateralization of spatial abilities: A spatial component analysis of extreme group scores. *Brain and Cognition*, 8, 165-177.

Bradshaw, J.L. and Nettleton, N.C. (1983). *Human cerebral asymmetry*. New Jersey: Prentice-Hall.

Bryden, M.P. (1976). Response bias and hemispheric differences in dot localization. *Perception and Psychophysics*, 19, 23-28.

Bryden, M.P. (1979). Evidence for sex-related differences in cerebral organization. In M.A. Wittig and A.C. Petersen (Editors), *Sex-related differences in cognitive functioning* (pp. 121-143). New York: Academic Press.

Bryden, M.P. (1988). Cerebral specialization: Clinical and experimental assessment. In F. Boller and J. Grafman (Editors), *Handbook of neuropsychology*, Vol 1 (pp. 143-159). Amsterdam: Elsevier Science Publishers.

Buffery, A.W.H., Gray, J.A. (1972). Sex differences in the development of spatial and linguistic skills. In C. Ounsted and D.C. Taylor (Editors), *Gender Differences: Their ontogeny and significance* (pp. 123-157). Edinburgh and London: Churchill Livingstone.

Burton, L.A., Wagner, N., Lim, C. and Levy, J. (1992). Visual field differences for clockwise and counterclockwise mental rotation. *Brain and Cognition*, 18, 192-207.

Butler, S. (1980). Sex differences in electrophysiological correlates of asymmetric cerebral function. *The Behavioral and Brain Sciences*, 3, 231-232.

Cadusch, P.J., Breckon, W. and Silberstein, R.B. (1992). Spherical splines and the interpolation, deblumng and transformation of topographic EEG data. *Pan Pacific Workshop on Brain Electric and Magnetic Topography*.

Caplan, P.J., MacPherson, G.M. and Tobin, P. (1985). Do sex-related differences in spatial abilities exist?: A multilevel critique with new data. *American Psychologist*, 40, 786-799.

Carlton, E.H. (1988). Connection between internal representation of rigid transformation and cortical activity paths. *Biological Cybernetics*, 59, 419-429.

Casey, M.B., Colon, D. and Goris, Y. (1992). Family handedness as a predictor of mental rotation ability among minority girls in a math-science training program. *Brain and Cognition*, 18, 88-96.

Casey, M.B., Pezaris, E. and Nuttall, R.L. (1992). Spatial ability as a predictor of math achievement: The importance of sex and handedness patterns. *Neuropsychologia*, 30, 35-45.

Chiarello, C., McMahon, M.A. and Schaeffer, K. (1989). Visual, cerebral lateralization over phases of the menstrual cycle: A preliminary investigation. *Brain and Cognition*, 11, 18-36.

Chusid, J.G. (1982). *Correlative neuroanatomy & functional neurology* (18th edition). Los Altos, California: Lance Medical Publications.

Ciorciari, J., Silberstein, R.B., Simpson, D.G. and Schier, M. A. (1987). The multichannel electrode helmet. *Proceedings Conference on Engineering and Physical Sciences in Medicine*, Melbourne, 52.

Ciorciari, J., Silberstein, R.B., Copolov, D., Currie, J. and Ma, S. (1992). The steady state visually evoked potential topography associated with the Wisconsin card sort and schizophrenia. 7th Nagae Memorial Symposium, Akita Conference on Neuropsychology, Akita.

Clarke, S., Kraftsik, R., Van Der Loos, H. and Innocenti, G.M. (1989). Forms and measures of adult and developing human corpus callosum: Is there sexual dimorphism? *The Journal of Comparative Neurology*, 280, 213-230.

Colebatch, J.G., Deiber, M.-P., Passingham, R.E., Friston, K.J. and Frackowiak, S.J. (1991). Regional cerebral blood flow during voluntary arm and hand movements in human subjects. *Journal of Neurophysiology*, 65, 1392-1401.

Corballis, M.C. (1982). Mental rotation: Anatomy of a paradigm. In M. Portegal (Editor), *Spatial Abilities: Development and physiological foundations* (pp. 173-198). New York: Academic Press.

Corballis, M.C. (1986). Is mental rotation controlled or automatic? *Memory & Cognition*, 14, 124-128.

Corballis, M.C. and Sergent, J. (1988). Imagery in a commissurotomed patient. *Neuropsychologia*, 26, 13-26.

Corballis, M.C. and Sergent, J. (1989). Hemispheric specialization for mental rotation. *Cortex*, 25, 15-25.

Corballis, M.C. and Manalo, R. (1993). Effect of spatial attention on mental rotation. *Neuropsychologia*, 31, 199-205.

Corballis, M.C. and Sidey, S. (1993). Effects of concurrent memory load on visual-field differences in mental rotation. *Neuropsychologia*, 31, 183-197.

Corby, J.C. and Kopell, B.S. (1972). Differential contributions of blinks and vertical eye movements as artifacts in EEG recording. *Psychophysiology*, 9, 640-644.

Creeger, C.P., Miller, K.F. and Paredes, D.R. (1990). Micromanaging time: Measuring and controlling timing errors in computer-controlled experiments. *Behaviour Research Methods, Instruments and Computers*, 22, 34-79.

Dan, A.C. (1979). The menstrual cycle and sex-related differences in cognitive variability. In M.A. Wittig and A.C. Petersen (Editors), *Sex-related differences in cognitive functioning* (pp. 241-260). New York: Academic Press.

Davidson, R.J. (1988). EEG measures of cerebral asymmetry: Conceptual and methodological issues. *International Journal of Neuroscience*, 39, 71-89.

Davidson, R.J., Chapman, J.P., Chapman, L.J. and Henriques, J.B. (1990). Asymmetrical brain electrical activity discriminates between psychometrically-matched verbal and spatial cognitive tasks. *Psychophysiology*, 27, 528-543.

Davidson, R.J., Schwartz, G.E., Pugash, E. and Bromfield, E. (1976). Sex differences in patterns of EEG asymmetry. *Biological Psychology*, 4, 119-138.

Day, J. (1977). Right-hemisphere language processing in normal right-handers. *Journal of Experimental Psychology: Human Perception and Performance*, 3, 518-528.

de Lacoste-Utamsing, C. and Holloway, R.L. (1982). Sexual dimorphism in the human corpus callosum. *Science*, 216, 1431-1432.

de Lacoste, M.-C., Adesanya, T. and Woodward, D.J. (1990). Measures of gender differences in the human brain and their relationship to brain weight. *Biological Psychiatry*, 28, 931-942.

de Lacoste, M.-C., Horvath, D.S. and Woodward, D.J. (1991). Possible sex differences in the developing human fetal brain. *Journal of Clinical and Experimental Neuropsychology*, 13, 831-846.

Delis, D.C., Kiefner, M.G. and Fridlund, A.J. (1988). Visuospatial dysfunction following unilateral brain damage: Dissociations in hierarchical and hemispatial analysis. *Journal of Clinical and Experimental Neuropsychology*, 10, 421-431.

Denenberg, V.H., Kertesz, A. and Cowell, P.E. (1991). A factor analysis of the human corpus callosum. *Brain Research*, 548, 126-132.

Deutsch, G., Bourbon, W.T., Papanicolaou, A.C. and Eisenberg, H.M. (1988). Visuospatial tasks compared via activation of regional cerebral blood flow. *Neuropsychologia*, 26, 445-452.

Ditunno, P.L. and Mann, V.A. (1990). Right hemisphere specialization for mental rotation in normals and brain damaged subjects. *Cortex*, 26, 177-188.

Doyle, J.C., Ornstein, R. and Galin, D. (1974). Lateral specialization of cognitive mode: II. EEG frequency analysis. *Psychophysiology*, 11, 567-578.

Drayer, B.P. (1988). Brain imaging and Spectroscopy. In F.W. Wehrli, D. Shaw and J. B. Kneeland (Editors), *Biomedical magnetic resonance imaging: Principles, methodology, and applications* (pp. 225-278). New York: VCH Publishers.

Duffy, F.H., Albert, M.S. and McAnulty, G. (1984). Brain electrical activity in patients with presenile and senile dementia of the alzheimer type. *Annals of Neurology*, 16, 439-448.

Duffy, F.H., Bartels, P.H. and Burchfiel, J.L. (1981). Significance probability mapping: an aid in the topographic analysis of brain electrical activity. *Electroencephalography and Clinical Neurophysiology*, 51, 455-462.

Duffy, F.H., Jones, K., Bartels, P., Albert, M., McAnulty, G.B. and Als, H. (1990). Quantified neurophysiology with mapping: Statistical inference, exploratory and confirmatory data analysis. *Brain Topography*, 3, 3-12.

Dumas, R. and Morgan, A. (1975). EEG asymmetry as a function of occupation, task, and task difficulty. *Neuropsychologia*, 13, 219-228.

Ehrhardt, A.A. and Meyer-Bahlburg, H.F.L. (1979). Prenatal sex hormones and the developing brain: Effects on psychosexual differentiation and cognitive function. *Annual Review of Medicine*, 30, 417-430.

Ell, P.J. and Holman, B.L. (Editors) (1982). *Computed emission tomography*. Oxford: Oxford University Press.

Fairweather, H. (1976). Sex differences in cognition. *Cognition*, 4, 231-280.

Farah, M.J. (1984). The neurological basis of mental imagery: A componential analysis. *Cognition*, 18, 245-272.

Farah, M.J. (1989). The neuropsychology of mental imagery. In F. Boller and J. Grafman (Editors), *Handbook of neuropsychology*, Vol.2 (pp. 395-413). Amsterdam: Elsevier.

Farah, M.J. and Hammond, K.M. (1988). Mental rotation and orientation-invariant object recognition: Dissociable processes. *Cognition*, 29, 29-46.

Farah, M.J., Gazzaniga, M.S., Holtzman, J.D. and Kosslyn, S.M. (1985). A left hemisphere basis for visual mental imagery? *Neuropsychologia*, 23, 115-118.

Fausto-Sterling, A. (1985). *Myths of gender*. New York: Basic Books.

Ferguson, G.A. (1981). *Statistical analysis in psychology and education* (5th edition). New York: McGraw-Hill Book Company.

Fischer, S.C. and Pellegrino, J.W. (1988). Hemisphere differences for components of mental rotation. *Brain and Cognition*, 7, 1-15.

French, C.C. and Painter, J. (1991). Spatial processing of images and hemisphere function. *Cortex*, 27, 511-520.

Friedland, J. and Kershner, J. (1986). Sex-linked left lateralized central processor for hierarchically-structured material? Evidence from Broca's aphasia. *Neuropsychologia*, 24, 411-415.

Friedland, R.P. (1990). Brain imaging and cerebral metabolism. In F. Boller and J. Grafman (Editors), *Handbook of neuropsychology*, Vol. 4 (pp. 197-211). Amsterdam: Elsevier Science Publishers.

Frisk, V. and Milner, B. (1991). Does left temporal lobectomy adversely affect the rate at which verbal material can be processed? *Neuropsychologia*, 29, 113-123.

Furst, C.J. (1976). EEG alpha asymmetry and visuospatial performance. *Nature*, 260, 254-255.

Galín, D. and Ellis, R.R. (1975). Asymmetry in evoked potentials as an index of lateralized cognitive processes: Relation to EEG alpha asymmetry. *Neuropsychologia*, 13, 45-50.

Galín, D. and Ornstein, R. (1972). Lateral specialization of cognitive mode: An EEG study. *Psychophysiology*, 9, 412-418.

Galín, D., Johnstone, J. and Herron, J. (1978). Effects of task difficulty on EEG measures of cerebral engagement. *Neuropsychologia*, 16, 461-472.

Geschwind, N. and Levitsky, W. (1968). Human brain: Left-right asymmetries in temporal speech region. *Science*, 161, 186-187.

Gevens, A.S. and Cutillo, B.A. (1986). Signals of Cognition. In F.H. Lopes da Silva, W. Storm van Leeuwen and A. Remond (Editors), *Handbook of electroencephalography and clinical neurophysiology* (Vol. 2, revised series):

Clinical applications of computer analysis of EEG and other neurophysiological signals (pp. 335-381). Amsterdam: Elsevier Science Publishers.

Gevins, A.S., Zeitlin, G.M., Doyle, J.C., Yingling, C.D., Schaffer, R.E., Callaway, E. and Yeager, C.L. (1979). Electroencephalogram correlates of higher cortical functions. *Science*, 203, 665-668.

Gibbons, A. (1991). The brain as "sexual organ". *Science*, 253, 957-959.

Goldstein, D., Haldane, D. and Mitchell, C. (1990). Sex differences in visual-spatial ability: The role of performance factors. *Memory and Cognition*, 18, 546-550.

Golub, S. (1976). The effect of premenstrual anxiety and depression on cognitive function. *Journal of Personality and Social Psychology*, 34, 99-104.

Gur, R.E. and Gur, R.C. (1990). Gender differences in regional cerebral blood flow. *Schizophrenia Bulletin*, 16, 247-254.

Gur, R.C. and Reivich, M. (1980). Cognitive task effects on hemispheric blood flow in humans: Evidence for individual differences in hemispheric activation. *Brain and Language*, 9, 78-92.

Gur, R.C., Gur, R.E., Obrist, W.D., Hungerbuhler, J.P., Younkin, D., Rosen, A.D., Skolnick, B.E. and Reivich, M. (1982). Sex and handedness differences in cerebral blood flow during rest and cognitive activity. *Science*, 217, 659-661.

Guyton, A.C. (1986). *Textbook of medical physiology* (7th edition). Tokyo: W.B. Saunders Company.

Habib, M., Gayraud, D., Oliva, A., Regis, J., Salamon, G. and Khalil, R. (1991). Effects of handedness and sex on the morphology of the corpus callosum: A study with brain magnetic resonance imaging. *Brain and Cognition*, 16, 41-61.

Halpern, D.F. (1986). *Sex differences in cognitive abilities*. Hillsdale, NJ: Lawrence Erlbaum Associates.

Hampson, E. (1990a). Estrogen-related variations in human spatial and articulatory-motor skills. *Psychoneuroendocrinology*, 15, 97-111.

Hampson, E. (1990b). Variations in sex-related cognitive abilities across the menstrual cycle. *Brain and Cognition*, 14, 26-43.

Hampson, E. and Kimura, D. (1988). Reciprocal effects of hormonal fluctuations on human motor and perceptual-spatial skills. *Behavioral Neuroscience*, 102, 456-459.

Harris, R.J. (1975). *A primer of multivariate statistics*. New York: Academic Press.

Harris, L.J. (1978). Sex differences in spatial ability: Possible environmental, genetic, and neurological factors. In M. Kinsbourne (Ed.), *Asymmetrical functions of the brain* (pp. 405-522). New York: Cambridge University Press.

Harrison, D.W., Gorelczenko, P.M. and Cook, J. (1990). Sex differences in the functional asymmetry for facial affect perception. *International Journal of Neuroscience*, 52, 1-6.

Hassler, M. (1991). Maturation rate and spatial, verbal, and musical abilities: A seven-year-longitudinal study. *International Journal of Neuroscience*, 58, 183-198.

Hatta, T. (1978). Visual field differences in a mental transformation task. *Neuropsychologia*, 16, 637-641.

Hauser, P., Dauphinais, I.D., Berrettini, W., DeLisi, L.E., Gelernter, J. and Post, R.M. (1989). Corpus callosum dimensions measured by magnetic resonance imaging in bipolar affective disorder and schizophrenia. *Biological Psychiatry*, 26, 659-668.

Heister, G., Landis, T., Regard, M. and Schroeder-Heister, P. (1989). Shift of functional cerebral asymmetry during the menstrual cycle. *Neuropsychologia*, 27, 871-880.

Hier, D.B. and Kaplan, J. (1980). Are sex differences in cerebral organization clinically significant? *The Behavioral and Brain Sciences*, 3, 238-239.

Hines, M. (1990). Gonadal hormones and human cognitive development. *Comparative Physiology*, 8, 51-63.

Holden, C. (1991). Is "gender gap" narrowing. *Science*, 253, 959-960.

Hyde, J.S. (1981). How large are cognitive gender differences? *American Psychologist*, 36, 892-901.

Inglis, J. and Lawson, J.S. (1981). Sex differences in the effects of unilateral brain damage on intelligence. *Science*, 212, 693-695.

Inglis, J. and Lawson, J.S. (1982). A meta-analysis of sex differences in the effects of unilateral brain damage on intelligence test results. *Canadian Journal of Psychology*, 36, 670-683.

Inglis, J., Ruckman, M., Lawson, J.S., MacLean, A.W. and Monga, T.N. (1982). Sex differences in the cognitive effects of unilateral brain damage. *Cortex*, 18, 257-276.

Inglis, J., Ruckman, M., Lawson, J.S., MacLean, A.W. and Monga, T.N. (1983). Sex differences in the cognitive effects of unilateral brain damage: Comparison of stroke patients and normal control subjects. *Cortex*, 19, 551-555.

Jeffrey, A. (1985). *Mathematics for engineers and scientists* (3rd Edition). UK: Van Nostrand Reinhold Co. Ltd.

Johnson, Jr. R., Cox, C. and Fedio, P. (1987). Event-related potential evidence for individual differences in a mental rotation task. In R. Johnson, Jr., J.W. Rohrbaugh and R. Parasuraman (Editors), *Current Trends in Event-Related*

Potential Research (EEG Suppl. 40) (pp. 191-197). Amsterdam: Elsevier Science Publishers.

Jones, B. and Anuza, T. (1982). Effects of sex, handedness, stimulus and visual field on "mental rotation". *Cortex*, 18, 501-514.

Kahn, E.M., Weiner, R.D., Brenner, R.P. and Coppola, R. (1988). Topographic maps of brain electrical activity: Pitfalls and precautions. *Biological Psychiatry*, 23, 628-636.

Kail, Jr. R.V. and Siegel, A.W. (1978). Sex and hemispheric differences in the recall of verbal and spatial information. *Cortex*, 14, 557-563.

Kail, R., Carter, P. and Pellegrino, J. (1979). The locus of sex differences in spatial ability. *Perception and Psychophysics*, 26, 182-186.

Kalichman, S.C. (1986). Horizontality as a function of sex and academic major. *Perceptual and Motor Skills*, 63, 903-906.

Kertesz, A., Polk, M., Howell, J. and Black, S.E. (1986). Cerebral dominance, sex, and callosal size on MRI. *Neurology*, 36 (Suppl 1), 316.

Kimura, D. (1969). Spatial localization in left and right visual fields. *Canadian Journal of Psychology*, 23, 445-458.

Kimura, D. (1973). The asymmetry of the human brain. *Scientific American*, 228, 70-78.

Kimura, D. and Durnford, M. (1974). Normal studies on the function of the right hemisphere in vision. In S.J. Dimond and J.G. Beaumont (Eds), *Hemisphere function in the human brain* (pp. 25-47). London: Elek Science.

Knopman, D.S., Rubens, A.B., Klassen, A.C., Meyer, M.W. and Niccum, N. (1980). Regional cerebral blood flow patterns during verbal and nonverbal auditory activation. *Brain and Language*, 9, 93-112.

Kosslyn, S.M. (1987). Seeing and imaging in the cerebral hemispheres: A computational approach. *Psychological Review*, 94, 148-175.

Kupfermann, I. (1985). Hemispheric asymmetries and the cortical localization of higher cognitive and affective functions. In E.R. Kandel and J.H. Schwartz (Editors), *Principles of neural science* (2nd edition) (pp. 673-687). New York: Elsevier.

Lansdell, H. (1964). Sex differences in hemispheric asymmetries of the human brain. *Nature*, 203, 550.

Lassen, N.A., Ingvar, D.H. and Skinhoj, E. (1978). Brain function and blood flow. *Scientific American*, 239, 50-59.

Leehey, S., Carey, S., Diamond, R. and Cahn, A. (1978). Upright and inverted faces: The right hemisphere knows the difference. *Cortex*, 14, 411-419.

Linn, M.C. and Petersen, A.C. (1985). Emergence and characterization of sex differences in spatial ability: A meta-analysis. *Child Development*, 56, 1479-1498.

Linn, M.C. and Petersen, A.C. (1986). A meta-analysis of gender differences in spatial ability: Implications for mathematics and science achievement. In J.S. Hyde and M.C. Linn (Editors), *The psychology of gender: Advances through meta-analysis* (pp. 67-101). Baltimore, Maryland: The Johns Hopkins University Press.

Lou, H.C., Edvinsson, L. and MacKenzie, E.T. (1987). The concept of coupling blood flow to brain function: Revision required? *Annals of Neurology*, 22, 289-297.

Luiten, A.L. (1992). New techniques and results in MR imaging and spectroscopy. APSEM/BECON'92 Annual Australasian Conference, Gold Coast, Queensland.

Maccoby, E.E. and Jacklin, C.N. (1974). The psychology of sex differences. Stanford: Stanford University Press.

Marsh, G.R. (1978). Asymmetry of electrophysiological phenomena and its relation to behaviour in humans. In M. Kinsbourne (Editor), Asymmetrical function of the brain (pp. 292-317). New York: Cambridge University Press.

Martin, C.M. (1978). Verbal **and** spatial encoding of visual stimuli: The effects of sex, hemisphere and yes-no judgements. *Cortex*, 14, 227-233.

Martin, J.H. and Brust, J.C. (1985). Imaging the living brain. In E.R. Kandel and J.H. Schwartz (Editors), Principles of neural science (2nd edition) (pp. 259-283). New York: Elsevier.

Mayes, A. and Beaumont, G. (1977). Does visual evoked potential asymmetry index cognitive activity? *Neuropsychologia*, 15, 249-256.

McGee, M. G. (1979). Human spatial abilities: Psychometric studies and environmental, genetic, hormonal, and neurological influences. *Psychological Bulletin*, 86, 889-918.

McGillem, C.D. and Aunon, J.I. (1987). Analysis of event-related potentials. In A.S. Gevins and A. Remond (Editors), Handbook of electroencephalography and clinical neurophysiology (Vol. 1, revised series): Methods of analysis of brain electrical and magnetic signals (pp. 131-169). Amsterdam: Elsevier Science Publishers.

McGlone, J. (1978). Sex differences in functional brain asymmetry. *Cortex*, 14, 122-128.

McGlone, J. (1980). Sex differences in human brain asymmetry: A critical survey. *The Behavioral and Brain Sciences*, 3, 215-263.

McGlone, J. and Davidson, W. (1973). The relation between cerebral. speech laterality and spatial ability with special reference to sex and hand preference. *Neuropsychologia*, 11, 105-113.

McGlone, J. and Kertesz, A. (1973). Sex differences in cerebral processing of visuospatial tasks. *Cortex*, 9, 313-320.

McGuinness, D. (1976). Sex differences in the organization of perception and cognition. In B. Lloyd and J. Archer (Eds.), *Exploring sex differences* (pp. 123-156). London: Academic Press.

Mehta, Z., Newcombe, F. and Damasio, H. (1987). A left hemisphere contribution to visuospatial processing. *Cortex*, 23, 447-461.

Mehta, Z. and Newcombe, F. (1991). A role for the left hemisphere in spatial processing. *Cortex*, 27, 153-167.

Meyer-Bahlburg, H.F.L., Bruder, G.E., Fieldman, J.F., Ehrhardt, A.A., Healey, J.M. and Bell, J. (1985). Cognitive abilities and hemispheric lateralization in females following idiopathic precocious puberty. *Developmental Psychology*, 21, 878-887.

Nass, R., Baker, S., Sadler, A.E. and Sidtis, J.J. (1990). The effects of precocious adrenarche on cognition and hemispheric specialization. *Brain and Cognition*, 14, 59-69.

Nelson, C.A., Collins, P.F. and Torres, F. (1990). The lateralization of language comprehension using event-related potentials. *Brain and Cognition*, 14, 92-112.

Newcombe, N. (1982). Sex-related differences in spatial ability: Problems and gaps in current approaches. In M. Portegal (Ed.), *Spatial abilities: Development and physiological foundations* (pp. 223-250). New York: Academic Press.

Obrist, W.D., Thompson, H.K., Wang, H.S. and Wilkinson, W.E. (1975). Regional cerebral blood flow estimated by xenon-133 inhalation. *Stroke*, 6, 245-256.

Oldfield, R.C. (1971). The assessment and analysis of handedness: The edinburgh inventory. *Neuropsychologia*, 9, 97-112.

Oosthuizen, S. (1991). Sex-related differences in spatial ability in a group of South African students. *Perceptual and Motor Skills*, 73, 51-54.

Ornstein, R., Johnstone, J., Herron, J. and Swencionis, C. (1980). Differential right hemisphere engagement in visuospatial tasks. *Neuropsychologia*, 18, 49-64.

Osaka, M. (1984). Peak alpha frequency of EEG during a mental task: Task difficulty and hemispheric differences. *Psychophysiology*, 21, 101-105.

Papanicolaou, A.C. (1977). Cerebral excitation profiles in language processing. Unpublished doctoral dissertation, Southern Illinois University, cited in Papanicolaou, A.C. and Johnstone, J. (1984). Probe evoked potentials: Theory, method and applications. *International Journal of Neuroscience*, 24, 107-131.

Papanicolaou, A.C. and Johnstone, J. (1984). Probe evoked potentials: Theory, method and applications. *International Journal of Neuroscience*, 24, 107-131.

Papanicolaou, A.C., Schimdt, A.L., Moore, D. and Eisenberg, H.M. (1983). Cerebral activation patterns in an arithmetic and a visuospatial processing task. *International Journal of Neuroscience*, 20, 283-288.

Papanicolaou, A.C., Deutsch, W., Bourbon, T., Will, K.W., Loring, D.W. and Eisenberg, H.M. (1987). Convergent evoked potential and cerebral blood flow evidence of task-specific hemispheric differences. *Electroencephalography and clinical Neurophysiology*, 66, 515-520.

Parlee, M.B. and Rajagopal, J. (1974). Sex differences on the embedded figures test: A cross-cultural comparison of college students in India and in the United States. *Perceptual and Motor Skills*, 39, 1311-1314.

Peronnet, F. and Farah, M.J. (1989). Mental rotation: An event-related potential study with a validated mental rotation task. *Brain and Cognition*, 9, 279-288.

Petersen, A.C. (1979). Hormones and cognitive functioning in normal development. In M.A. Wittig and A.C. Petersen (Editors), Sex-related differences in cognitive functioning (pp. 189-214). New York: Academic Press.

Petersen, S.E., Robinson, D.L. and Currie, J.N. (1989). Influences of lesions of parietal cortex on visual spatial attention in humans. *Experimental Brain Research*, 76, 267-280.

Pezaris, E. and Casey, M.B. (1991). Girls who use "masculine" problem-solving strategies on a spatial task: Proposed genetic and environmental factors. *Brain and Cognition*, 17, 1-22.

Piaget, J. and Inhelder, B. (1956). The child's conception of space. New York: Humanities Press.

Pipingas, A., Silberstein, R.B. and Currie, J. (1992). Steady-state probe topography in a recognition memory task. *Australasian Psychology Conference*, Nelson Bay, Australia.

Pylyshyn, Z.W. (1979). The rate of "mental rotation" of images: A test of a holistic analogue hypothesis. *Memory and Cognition*, 7, 19-28.

Pylyshyn, Z.W. (1981). The imagery debate: Analogue media versus tacit knowledge. *Psychological Review*, 88, 16-45.

Ratcliff, G. (1979). Spatial thought, mental rotation and the right cerebral hemisphere. *Neuropsychologia*, 17, 49-54.

Ray, W.J. and Cole, H.W. (1985). EEG alpha activity reflects attentional demands, and beta activity reflects emotional and cognitive processes. *Science*, 228, 750-752.

Ray, W.J., Newcombe, N., Semon, J. and Cole, P.M. (1981). Spatial abilities, sex differences and EEG functioning. *Neuropsychologia*, 19, 719-722.

Rebert, C.S. and Low, D.W. (1978). Differential hemispheric activation during complex visuomotor performance. *Electroencephalography and Clinical Neurophysiology*, 44, 724-734.

Rebert, C.S. and Mahoney, R.A. (1978). Functional cerebral asymmetry and performance III. Reaction time as a function of task, hand, sex, and EEG asymmetry. *Psychophysiology*, 15, 9-16.

Regan, D. (1977). Steady-state evoked potentials. *Journal of the Optical Society of America*, 11, 1475-1489.

Regan, D. (1982). Comparison of transient and steady-state methods. *Annals New York Academy of Sciences*, 388, 45-71.

Regan, D. (1989). *Human brain electrophysiology: Evoked potentials and evoked magnetic fields in science and medicine*. New York: Elsevier Science Publishing.

Regier, M.H., Mohapatra, R.M. and Mohapatra, S.N. (1982). *Biomedical statistics with computing*. Chichester: Research Studies Press.

Reinisch, J.M., Gandelman, R. and Spiegel, F.S. (1979). Prenatal influences on cognitive abilities: Data from experimental animals and human genetic and endocrine syndromes. In M.A. Wittig and A.C. Petersen (Editors), *Sex-related differences in cognitive functioning* (pp. 215-239). New York: Academic Press.

Reinisch, J.M., Ziemba-Davis, M. and Sanders, S.A. (1991). Hormonal contributions to sexually dimorphic behavioural development in humans. *Psychoneuroendocrinology*, 16, 213-278.

Reivich, M. and Alavi, A. (Editors) (1985). *Positron emission tomography*. New York: Alan R. Liss.

Ribbler, A. and Rausch, R. (1990). Performance of patients with unilateral temporal lobectomy on selective reminding procedures using either related or unrelated words. *Cortex*, 26, 575-584.

Risberg, J., Halsey, J.H., Wills, E.L. and Wilson, E.M. (1975). Hemispheric specialization in normal man studied by bilateral measurements of the regional cerebral blood flow. *Brain*, 98, 511-524.

Romani, G.L., Williamson, S.J. and Kaufman, L. (1982). Biomagnetic instrumentation. *Review of Scientific Instrumentation*, 53, 1815-1845.

Rovet, J. (1983). Cognitive and neuropsychological test performance of persons with abnormalities of adolescent development: A test of Waber's hypothesis. *Child Development*, 54, 941-950.

Rubens, A.B., Mahowald, M.W. and Hutton, J.T. (1976). Asymmetry of the lateral (sylvian) fissures in man. *Neurology*, 26, 620-624.

Ruchkin, D.S., Johnson, Jr. R., Canoune, H. and Ritter, W. (1991). Event-related potentials during arithmetic and mental rotation. *Electroencephalography and clinical Neurophysiology*, 79, 473-487.

Rugg, M.D. and Barrett, S.E. (1987). Event-related potentials and the interaction between orthographic and phonological information in a rhyme-judgement task. *Brain and Language*, 32, 336-361.

Sanders, B. and Soares, M.P. (1986). Sexual maturation and spatial ability in college students. *Developmental Psychology*, 22, 199-203.

Sanders, B., Soares, M.P. and D'Aquila, J.M. (1982). The sex difference on one test of spatial visualization: A nontrivial difference. *Child Development*, 53, 1106-1110.

Sasanurna, S. and Kobayashi, Y. (1978). Tachistoscopic recognition of line orientation. *Neuropsychologia*, 16, 239-242.

Schier, M. A. (1992). Extract from unfinished PhD Theses.

Schier, M.A., Silberstein, R.B., Pipingas, A., Ciorciari, J. (1992). Steady state visually evoked potentials during a continuous performance task. 3rd International Brain Electromagnetic Topography Meeting, Amsterdam.

Segalowitz, S.J. and Stewart, C. (1979). Left and right lateralization for letter matching: Strategy and sex differences. *Neuropsychologia*, 17, 521-525.

Servos, P.S. and Peters, M. (1990). A clear left hemisphere advantage for visuo-spatially based verbal categorization. *Neuropsychologia*, 28, 1251-1260.

Shepard, R.N. (1982). On turning something over in one's mind. In R.N. Shepard and L.A. Cooper (Editors), *Mental images and their transformations* (pp. 19-71). London: The MIT Press.

Shepard, R.N. and Cooper, L.A. (1982). *Mental images and their transformations*. Cambridge: MIT Press.

Shepard, R.N. and Metzler, J. (1971). **Mental** rotation of three-dimensional objects. *Science*, 171, 701-703.

Shucard, D.W., Shucard, J.L. and Thomas, D.G. (1977). Auditory evoked potentials as probes of hemispheric differences in cognitive processing. *Science*, 197, 1295-1298.

Silberstein, R.B., Burkitt, G. and Wood, S.R. (1992). Artifact sensitivity of fourier based analysis of steady state visually evoked potential. Australasian Psychology Conference, Nelson Bay, Australia.

Silberstein, R.B., Ciorciari, J., Pipingas, A. (1992). Rapid changes in steady state visually evoked potential topography associated with the Wisconsin card sort. Australasian Psychology Conference, Nelson Bay, Australia.

Silberstein, R.B., Ciorciari, J., Pipingas, A., Schier, M.A. and Ma, S. (1992). Effects of the Wisconsin card sort test on the topography of the steady state visually evoked potential. 3rd International Brain Electromagnetic Topography Meeting, Amsterdam.

Silberstein, R.B., Pipingas, A., Ciorciari, J. and Schier, M.A. (1991) Steady state visually evoked scalp topography in a visual vigilance task: Effects of eye movements. Second International Congress on Brain Electromagnetic Topography. Toronto, Canada.

Silberstein, R.B., Schier, M.A., Pipingas, A., Ciorciari, J., Wood, S.R. and Simpson, D.G. (1990). Steady-state visually evoked potential topography associated with a visual vigilance task. *Brain Topography*, 3, 337-347.

Snow, W.G. and Sheese, S. (1985). Lateralized brain damage, intelligence, and memory: A failure to find sex differences. *Journal of Consulting and Clinical Psychology*, 53, 940-941.

Snow, W.G., Freedman, L. and Ford, L. (1986). Lateralized brain damage, sex differences, and the Wechsler intelligence scales: A reexamination of the literature. *Journal of Clinical and Experimental Neuropsychology*, 8, 179-189.

Soto-Andrade, J. and Varela, F.J. (1991). On mental rotations and cortical activity patterns. *Biological Cybernetics*, 64, 221-223.

Stuss, D.T, Sarazin, F.F., Leech, E.E. and Picton, T.W. (1983). Event-related potentials during naming and mental rotation. *Electroencephalography and clinical Neurophysiology*, 56, 133-146.

Taylor, M.J., Smith, M.L. and Iron, K.S. (1990). Event-related potential evidence of sex differences in verbal and nonverbal memory tasks. *Neuropsychologia*, 28, 691-705.

Trotman, S.C.A. and Hammond, G.R. (1978). Sex differences in task-dependent EEG asymmetries. *Psychophysiology*, 16, 429-431.

Tucker, D.M. (1976). Sex differences in hemispheric specialization for synthetic visuospatial functions. *Neuropsychologia*, 14, 447-454.

Vandenberg, S.G. (1971) Mental rotation test. Boulder, CO: Department of Psychology, University of Colorado.

Vandenberg, S.G. and Kuse, A.R. (1978). Mental rotations: A group test of three-dimensional spatial visualization. *Perceptual and Motor Skills*, 47, 599-604.

Voyer, D. and Bryden, M.P. (1990). Gender, level of spatial ability, and lateralization of mental rotation. *Brain and Cognition*, 13, 18-29.

Waber, D.P. (1977). Sex differences in mental abilities, hemispheric lateralization, and rate of physical growth at adolescence. *Developmental Psychology*, 13, 29-38.

Wada, J.A., Clarke, R. and Hamm, A. (1975). Cerebral hemispheric asymmetry in humans. *Archives of Neurology*, 32, 239-246.

Wallace, J.G., Silberstein, R.B., Bluff, K. and Pipingas, A. (1992). Semantic transparency, brain monitoring and the integration of neural and symbolic processes. 10th National Conference on Artificial Intelligence. San Jose.

Warrington, E.K. and James, M. (1967). Disorders of visual perception in patients with localized cerebral lesions. *Neuropsychologia*, 5, 253-266.

Wijers, A.A., Otten, L.J., Feenstra, S., Mulder, G. and Mulder, L.J.M. (1989). Brain potentials during selective attention, memory search, and mental rotation. *Psychophysiology*, 26, 452-467.

Williamson, S.J., Hoke, M., Stroink, G. and Kotani, M. (Editors) (1989). *Advances in biomagnetism*. New York: Plenum Press.

Wilson, G.F. and O'Donnell, R.D. (1986). Steady state evoked responses: Correlations with human cognition. *Psychophysiology*, 23, 57-61.

Wilson, G., Busch, C., Papanicolaou, A., Oliver, C. and Orr, C. (1989). Cortical resource allocation during mental rotation determined by magneto- and electro-

encephalography. In S.G. Williamson, M. Hoke, G. Stroink and M. Kotani (Editors), *Advances in biomagnetism* (pp. 233-236). New York: Plenum Press.

Witelson, S.F. (1976). Sex and the single hemisphere: Specialization of the right hemisphere for spatial processing. *Science*, 193, 425-427.

Witelson, S.F. (1985). The brain connection: The corpus callosum is larger in left-handers. *Science*, 229, 665-668.

Witelson, S.F. (1991). Sex differences in neuroanatomical changes with aging. *The New England Journal of Medicine*, 325, 211-212.

Witelson, S.F. and Kigar, D.L. (1988). Asymmetry in brain function follows asymmetry in anatomical form: Gross, microscopic, postmortem and imaging studies. In F. Boller and J. Grafman (Editors), *Handbook of Neuropsychology*, Vol 1 (pp. 111-142). Amsterdam: Elsevier Science Publishers.

Witelson, S.F. and Pallie, W. (1973). Left hemisphere specialization for language in the newborn. *Brain*, 96, 641-646.

Wogan, M. Kaplan, C.D., Moore, S.F., Epro, R. and Harner, R.N. (1979). Sex difference and task effects in lateralization of EEG-alpha. *International Journal of Neuroscience*, 8, 219-223.

Yoshii, F., Barker, W., Apicella, A., Chang, J., Sheldon, J. and Duara, R. (1986). Measurements of the corpus callosum (CC) on magnetic resonance (MR) scans: Effects of age, sex, handedness, and disease. *Neurology*, 36 (Suppl 1), 133.