

參考文獻

- 林書堯，1995，色彩認識論。台北：三民書局。
- 林惠娟，1984，主題地圖符號的設計與應用，中國文化大學地學研究所碩士論文。
- 林榮泰、翁註重，1997，醫院用標識圖形符號的認知研究，Journal of the Chinese Institute of Industrial Engineers, Vol.14, No.4, pp.363-376.
- 林榮泰，1998，不同文化背景的受試者對公共標誌偏好的研究，明志工專學報，第三十期，頁 57-68。
- 高慶珍，2000，觀光地圖上常用符號之認知研究，華岡理科學報，第十七期，頁 115-130。
- 孫慶文，2002，色彩視覺，視覺與認知-視覺知覺與視覺運動系統，頁 209-226。
- 徐法坤，1999，數位影像色彩管理。台北：龍溪國際圖書有限公司。
- 張春興，2000，心理學。台北：東華書局。
- 張春蘭，2002，台灣網際網路地圖圖元設計之探討，中華民國地圖學會會刊，第十二期，頁 17-28。
- 陳 潭，1997，機場標識符號認識率之相關研究，東海學報，第卅八卷，頁 79-96。
- 楊裕富，1998，設計的文化基礎。台北：亞太圖書出版社。
- 劉承洲，1998，地圖符號的哲學與美學層面及其資訊傳輸功能之探討，中國文化大學地理研究報告，第十一期，頁 35-58。
- 鄧惠芬、翁金燕，1988，色彩學。台北：正文書局有限公司。
- 賴瓊琦，1988，美國學生的色彩意象研究，台北工專學報，第廿二期，頁 421-440。
- 賴瓊琦，1995，色彩喜好及聯想調查研究（二），台北技術學院學報，第廿八期，第一卷，頁 399-411。
- 賴瓊琦，1996，台灣小學至大學學生色彩喜好研究，台北技術學院學報，第廿九期，第二卷，頁 183-209。
- 賴瓊琦，1999，設計的色彩心理-色彩的意象與色彩文化，台北：視傳文化事業有限

公司。

蘇永生，1992，兒童的地圖認知及其教育之研究，中國文化大學地學研究所碩士論文。

Aldrich, Virgil C., 1971, Form In the Visual Arts, The British Journal of Aesthetics, Vol.11, No.3, pp.215-226.

Arnberger, Erik, 1974, Problems of an International Standardization of a means of Communication Through Cartographic Symbols, International Yearbook of Cartography, XIV, pp.19-29.

Arnheim, Rudolf, 1976, The Perception of Maps, The American Cartographer, Vol.3, No.1, pp.5-10.

Antes, James R., Kang-tsung Chang and Chad Mullis, 1985, The Visual Effect of Map Design: An Eye-Movement Analysis, The American Cartographer, Vol.12, No.2, pp.143-155.

Bartz, Albert E., 1976, Peripheral Detection and Central Task Complexity, Human Factors, Vol.18, No.1, pp.63-70.

Bartz, Albert E., 1979, Information Transmission During Eye Movements, Human Factors, Vol.21, No.3, pp.331-336.

Bertin, Jacques, 1967, Semiology of Graphics- Diagrams, Networks, Maps, US: The University of Wisconsin Press.

Binkley, Timothy, 1997, The Vitality of digital Creation, The Journal of Aesthetics and Criticism, Vol.55, No.2, pp.107-116.

Board, Christopher, 1977, The Geographer's Contribution to Evaluating Maps as Vehicles for Communicating Information, International Yearbook of Cartography, XVII, pp.47-58.

Board, Christopher, 1981, Cartographic Communication, Cartographica, Vol.18, No.2, pp.42-78.

Bonnel, Anne-Marie and William Prinzmetal, 1998, Dividing Attention between the Color and the Shape of Objects, Perception & Psychophysics, Vol.60, No.1, pp. 113-124.

Brewer, Cynthia A., 1989, The Development of Process-Printed Munsell Charts for Selecting Map Colors, The American Cartographer, Vol.16, No.4, pp.269-278

- Brewer, Cynthia A., 1992, Review of Color Terms and Simultaneous Contrast Research for Cartography, *Cartographica*, Vol.29, No.3&4, pp.20-30.
- Brewer, Cynthia A., 1994, Color Use Guidelines for Mapping and Visualization, in MacEachren, Alan M. & D.R. Fraser Taylor (ed), *Visualization in Modern Cartography*, pp.123-147.
- Brewer, Cynthia A., 1996, Guidelines for Selecting Colors for Diverging Schemes on Maps, *The Cartographic Journal*, Vol.33, No.2, pp.79-86.
- Brewer, Cynthia A., 1997, Spectral Schemes: Controversial Color Use on Maps, *Cartography and Geographic Information System*, Vol.24, No.4, pp.203-220.
- Brewer, Cynthia A. and Robert B. McMaster, 1999, The State of Academic Cartography, *Cartography and Geographic Information Science*, Vol.26, No.3, pp.215-234.
- Brewer, Cynthia A., Alan M. MacEachren, Linda W. Pickle and Douglas Herrmann, 1997, Mapping Mortality: Evaluating Color Schemes for Choropleth Maps, *Annals of the Association of American Geographers*, Vol.87, No.3, pp.411-438.
- Brugger, Christof, 1999, Public Information Symbols: A Comparison of ISO Testing Procedures, in Zwaga , Harm J. G. et al. (ed) , *Visual Information for Everyday Use-Design and Research Perspective*, pp.305-313.
- Bunch, Rick and Robert Lloyd, 2000, The Search for Boundaries on Maps: Color Processing and Map Pattern Effects, *Cartography and Geographic Information Science*, Vol.27, No.1, pp.15-29.
- Cahill, Mary-Carol, 1975, Interpretability of Graphic Symbols as a Function of Context and Experience Factors, *Journal of Applied Psychology*, Vol.60, No.3, pp.376-380.
- Cahill, Mary-Carol and Robert C. Carter, Jr., 1976, Color Code size for Searching Displays of Different Density, *Human Factors*, Vol. 18, No.3, pp.273-280.
- Campbell, J. B., 1996, *Introduction to Remote Sensing*, Second Edition, Guilford, New York.
- Castner, Henry W., 1979, A Model of Cartographic Communication: Practical Goal or Mental Attitude? *International Yearbook of Cartography*, XIX pp.34-39.

- Castner, Henry W., 1983, Research Questions and Cartographic Design, in D.R.F. Taylor (ed) Graphic Communication and Design in Contemporary Cartography, pp.87-113.
- Castner, Henry W. and J. Ronald Eastman, 1984, Eye-Movement Parameters and Perceived Map Complexity-I, *The American Cartographer*, Vol.11, No.2, pp.107-117.
- Castner, Henry W. and J. Ronald Eastman , 1985, Eye-Movement Parameters and Perceived Map Complexity-II, *The American Cartographer*, Vol.12, No.1, pp.29-40.
- Chang, K. T., J. Antes and T. Lenzen, 1985 , The Effect of Experience on Reading Topographic Relief Information: Analysis of Performance and Eye Movements, *Cartographic Journal*, Vol.22, No.2, pp.88-94.
- Clarke, L. M., 1989, An Experimental Investigation of The Communicative Efficiency of Point Symbols on Tourist Maps, *The Cartographic Journal*, Vol.26, No.2, pp.105-110.
- Coren, Stanley, Lawrence M. Ward and James T. Enns,1999, *Sensation and Perception*, Fifth Edition, Harcourt Brace College Publishers.
- Cox, Carleton W., 1980, The Effects of Background on the Equal Value Gray Scale, *Cartographica*, Vol.17, No.1, pp.53-71.
- Dahlberg, R. E., 1993, The Design Of Photo And Image Maps, *The Cartographic Journal*, Vol. 30, Dec., pp.112-118.
- Dent, B., 1972, Visual Organization and Thematic Map Communication, *Annals of the Association of American Geographers*, Vol. 62, No.1, pp.79-93.
- Dent, Bordent D., 1996, *Cartography- Thematic Map Design*, Fourth Edition, Wm. C. Brown Publishers.
- Dewar, Robert, 1988, Criteria for the Design and Evaluation of Traffic Sign Symbols, *Transportation Research Record*, No.1160, pp.1-6.
- Dewar, Robert, 1999, Design and Evaluation of Public Information Symbols, in Zwaga , Harm J. G. et al. (ed) , *Visual Information for Everyday Use-Design and Research Perspective*, pp.285-303.

- Dobson, Michael W., 1977, Eye Movement Parameters and Map Reading, *The American Cartographer*, Vol.4, No.1, pp.39-58.
- Dobson, Michael W., 1985, The Future of Perceptual Cartography, *Cartographica*, Vol.22, No.2, pp. 27-43.
- Dymon, UTE J., 1996, Transition in Cartographic Education in the United States : Challenges and Opportunities in Curriculum Design, *Cartographica*, Vol.33, No.3, pp.39-43.
- Eastman, J. Ronald, 1985, Cognitive Models and Cartographic Design Research, *The Cartographic Journal* , Vol.22, No.2, pp.95-101.
- Ehlers, Manfred, Geoffery Edwards and Yuan Bedard, 1989, Integration of Remote Sensing with Geographic Information Systems: A Necessary Evolution, *Photogrammetric Engineering and Remote Sensing*, Vol.55, No.11, pp.1619-1627.
- Engel, F., 1977 , Visual Conspicuousness, Visual Search and Fixation Tendencies of the Eye, *Vision Research*, No.17, pp95-108.
- Eriksen, C. W., and T. D. Murphy, 1987, Movement of Attentional Focus Across the Visual Field: A Critical Look at the Evidence, *Perception and Psychophysics*, Vol.42, pp.299-305.
- Eysenck, H. J., 1971, Factors Determining Aesthetic Preferences for Geometrical Designs and Devices, *The British Journal of Aesthetics*, Vol.11, No.2, pp.154-166.
- Farmer, Eric W. and Robert M. Taylor, 1980, Visual Search Through Color Displays: Effects of Target-background Similarity and Background Uniformity, *Perception & Psychophysics*, Vol.27, No.3, pp.267-272.
- Fisher, P., J. Dykes and J. Wood, 1993, Map Design and Visualization, *The Cartographic Journal*, Vol. 30, Dec., pp.136-142.
- Forrest, David and Henry W. Castner, 1985, The Design and Perception of Point Symbols for Tourist Maps, *The Cartographic Journal*, Vol.22, No.1, pp.11-19.
- Forrest, David, 1998, On the Design of Point Symbols for Tourist Maps: Enclosed or Not Enclosed is Not The Question !, *The Cartographic Journal* , Vol.35, No.1, pp.79-81.

Gardiner, Richard A., 1981, Cartography and the Mind of Man, *The Cartographic Journal*

Vol.18, No. 2, pp.112-115 .

Geiselman, Ralph E., Betty M. Landee and Francois G. Christen, 1982, Perceptual

Discriminability as a Basis for Selecting Graphic Symbols, *Human Factors*, Vol.24, No.3,

pp.329-337.

Gerber, R., P. Burden and G. Stanton, 1990, Development of Public Information Symbols for

Tourism and Recreational Mapping, *The Cartographic Journal*, Vol.27, No.2, pp.92-103.

Gill, Graham A., 1988, Experiments in the Perception of Colored Cartographic Line Symbols,

Cartographica, Vol.24, No.4, pp.36-49.

Gilmartin, Patricia P., 1978, Evaluation of Thematic Maps Using the Semantic Differential Test,

The American Cartographer , Vol.5, No.2, pp.133-139.

Gilmartin, Patricia P., 1981, The Interface of Cognitive and Psychophysical Research in

Cartography, *Cartographica*, Vol.18, No.3, pp.9-20.

Gilmartin, Patricia P., 1986, Maps, Mental Imagery, and Gender in the Recall of Geographical

Information, *The American Cartographer* , Vol.13, No.4, pp.335-344.

Gooding, K. and D. Forrest, 1990, An Examination of the Difference Between the Interpretation

of Screen Based and Printed Maps, *The Cartographic Journal*, Vol.27, No.1, pp.14-19.

Green , David R. and Silvy Horbach, 1998, Color- Difficult to Both Choose and Use in Practice,

The Cartographic Journal, Vol.35, No.2, pp.169-180.

Hochberg, J., & Brooks, V., 1960, The Psychophysics of Form: Reversible-perspective

Drawings of Spatial Objects, *The American Journal of Psychology*, Vol.73, No.3, pp.337-354.

Hsu, Mei-Ling, 1979, The Cartographer's Conceptual Process and Thematic Symbolization The

American Cartographer, Vol.6 No.2 pp.117-127.

Humphreys, G. W. and V. Bruce, 1989, Visual Cognition: Computational, Experimental and

Neuropsychological Perspectives. London: Erlbaum.

Kimerling, A. Jon, 1985, The Comparison of Equal value Gray Scales. *The American*

- Cartographer, No.2, pp.132-142.
- Keates, J. S, 1996, Understanding Maps, Second Edition, Addison Wesley Longman Limited.
- Komedchikov, N. N., 1998, Modern Cartography: Results and Prospects, Mapping Sciences and Remote Sensing , Vol.35, No.4, pp.233-244.
- Kosslyn, S. M., 1989, Understanding Charts and Graphs, Applied Cognitive Psychology, No.3, pp.185-226.
- Kraak, Menno Jan, 1998, The Cartographic Visualization Process: From Presentation to Exploration, The Cartographic Journal, Vol.35, No.1, pp.11-15.
- Kulhavy, Raymond W., Neil H. Schwartz, and Steven H. Shah, 1982, Interpretative Framework and Memory for map Features, The American Cartographer, Vol.9, No.2, pp.141-147.
- Leisman, Gerald, 1979, Oculomotor Factors in Visual Perceptual Response Efficiency, Human Factors, Vol.21, No.3, pp.337-342.
- Lloyd, Robert, 1997, Visual Search Processes Used in Map Reading, Cartographica, Vol.34, No.1, pp.11-32.
- Lloyd, Robert, Rex Cammack and William Holliday, 1995, Learning Environments and Switching Perspectives, Cartographica, Vol.32, No.2, pp.5-17.
- Luria, S.M. and Mark S. Strauss, 1975, Eye Movements During Search for Coded and Uncoded Targets, Perception & Psychophysics, Vol.17, No.3, pp.303-308.
- MacEachren Alan M. and John H. Ganter, 1990, A Pattern Identification Approach to Cartographic Visualization, Cartographica, Vol.27, No.2, pp.64-81.
- MacEachren Alan M. and T. A. Mistrick, 1992, The Role of Brightness Differences in Figure-ground: is Darker Figure? The Cartographic Journal, Vol.29, No.2, pp.91-100.
- MacEachren, Alan M., 1995, How Maps Work-Representation, Visualization, and Design. New York. : The Guilford Press.
- Mackett-stout, Janice and Robert Dewar, 1981, Evaluation of Symbolic Public Information Sign, Human Factors, Vol.23, No.2, pp.139-151.

- Marr, D., 1982, Vision: A Computational Investigation into the Human Representation and Processing of Visual Information. San Francisco :W. H. Freeman.
- McGranaghan, Matthew, 1989, Ordering Choropleth Map Symbols: The Effect of Background, The American Cartographer, Vol.16, No.4, pp.279-285.
- McLean, Michael V., 1965, Brightness Contrast, Color Contrast, and Legibility, Human Factors, Vol.7, No.6, pp.521-526.
- Melgosa, M., M. J. Rivas, E. Hita and F. Vienot, 2000, Are We Able to Distinguish Color Attributes? Color Research and Application, Nol.25, No.5, pp.356-367.
- Mijksenaar, Paul, 1997, Visual Function-An Introduction to Information Design, Princeton Architectural Press.
- Mijksenaar, Paul, 1999, Maps as Public Graphics: about Science and Craft, Curiosity and Passion, in Zwaga , Harm J. G. et al. (ed) , Visual Information for Everyday Use-Design and Research Perspective, pp.211-223.
- Moellering, Harold and A, Jon Kimerling, 1990, A New Digital Slope-Aspect Display Process, Cartography and Geographic Information Systems, Vol.17, No.2, pp.151-159.
- Moellering, Harold, 1991, Whither Analytical Cartography? Cartography and Geographic Information Systems, Vol.18, No.1, pp.7-9.
- Monmonier, Mark, 1991, How to Lie with Maps, Chicago: The University of Chicago Press.
- Morrison, Claire and David Forrest, 1995, A Study of Point Symbol Design for Computer Based Large Scale Tourist Mapping, The Cartographic Journal,Vol. 32, No. 2, pp. 126-136.
- Morrison, Joel L., 1976, The Science of Cartography and Its Essential Processes, International Yearbook of Cartography, XVI, pp.84-97.
- Muller, J. C., 1996, Cartographic Curriculum and Trend in German Universities: WhatThey Are, and What They Could Be, Cartographica, Vol.33, No.3, pp.15-20.
- Muller, J. C. and Wang Zeshen, 1990, A Knowledge Based System for Cartographic Symbol Design, The Cartographic Journal, Vol.27, No.1, pp.24-30.

- Nelson, Elisabeth S., 1994, Color Detection on Bivariate Choropleth Maps: The Visual Search Process, *Cartographica*, Vol.31, No.4, pp.33-43.
- Niemela Marketta and Jukka Saarinen, 2000, Visual Search for grouped versus Ungrouped Icons in a Computer Interface, *Human Factors*, Vol.42, No.4, pp.630-635.
- Noth, Winfried, 1990, *Handbook of Semiotics*.US: Indiana University Press.
- Nothdurft, H. C., 1992, Feature Analysis and the Role of Similarity in Preattentive Vision, *Perception and Psychophysics*, Vol.52, No.4, pp.355-375.
- Oborne, David J. and Doreen Holton, 1988, Reading from Screen versus Paper: There is No Difference, *International Journal of Man-Machine Studies*, Vol.28, No.1, pp.1-9.
- Olson, Judy M. 1975, Experience and the Improvement of Cartographic Communication, *The Cartographic Journal* , Vol.12, No.2, pp.94-108.
- Olson, R.K. & F. Attneave, 1970, What Variables Produce Similarity Grouping ? *American Journal of Psychology*, Vol.83, pp.1-21.
- O'neill, Michael J. 1999, Theory and Research in Design of 'You Are Here' Maps, in Zwaga, Harm J. G. et al. (ed) , *Visual Information for Everyday Use-Design and Research Perspective*, London: Taylor & Francis Ltd., pp.225-238.
- Patton, Jeffrey C. and Paul V. Crawford, 1977, The Perception of Hypsometric Colors, *The Cartographic Journal* , Vol. 14, No.2, pp.115-127.
- Peterson, Michael P., 1987, The Mental Image in Cartographic Communication, *Cartographic Journal*, No.24, Vol.1, pp.35-41.
- Peterson, Michael P., 1994, Cognitive Issues in Cartographic Visualization, in MacEachren, Alan M. & D.R. Fraser Taylor (ed), *Visualization in Modern Cartography*, pp.27-43.
- Phillips, Richard and Liza Noyes, 1980, A Comparison of Color and Visual texture As Codes For Use As Area Symbols on Thematic Maps, *Ergonomics*, Vol.23, No.12, pp. 1117-1128.
- Pinker, S., 1990, A Theory of Graph Comprehension, in R. Friedle (ed.) *Artificial Intelligence and the Future of Testing*, Ablex: Norwood N.J., pp.73-126.

- Poynter, Douglas, 1988, Variability in Brightness Matching of Colored Lights, Human Factors, Vol.30, No.2, pp. 143-151.
- Robinson, Arthur H., 1952, The Look of Maps. Madison: University of Wisconsin Press.
- Robinson, Arthur H., 1982, A Program of Research to Aid Cartographic Design, The American Cartographer, Vol.9, No.1, pp.25-29.
- Robinson, Arthur H., Joel L. Morrison, Philip C. Muehrcke, A. Jon Kimerling and Stephen C. Guptill, 1978, Elements of Cartography, Fourth Edition, New York:John Wiley & Sons Inc.
- Robinson, Arthur H., Joel L. Morrison, Philip C. Muehrcke, A. Jon Kimerling and Stephen C. Guptill, 1995, Elements of Cartography, Sixth Edition, New York:John Wiley & Sons Inc.
- Schllichtmann, Hansgeorg, 1985, Characteristic Traits of the Semiotic System ‘Map Symbolism’, The Cartographic Journal, Vol. 22, No.1, pp.23-30.
- Shortridge , Barbara G., 1982, Stimulus Processing Models from Psychology: Can We Use Them in Cartography?, The American Cartographer, Vol.9, No. 2, pp.155-167.
- Silverstein, Louis D., 1987, Human Factors for Color Display Systems: Concepts, Methods, and Research, in Durrett (ed.), Color and the Computer, US: Academic Press, Inc., pp.27-62.
- Smith, Richard M., 1987, Influence of Texture on Perception of Gray Tone Map Symbols, The American Cartographer, Vol.14, No. 1, pp.43-47.
- Steinke, Theodore R., 1987, Eye Movement Studies in Cartography and Related Fields, Cartographica, Vol.24, No.2, pp.40-73.
- Thomas, Ewart A. C. and Wanda B. Weaver, 1975, Cognitive Processing and Time Perception, Perception & Psychophysics, Vol.17, No. 4, pp.363-367.
- Treisman, Anne M. and Garry Gelade, 1980, A Feature-Integration Theory of Attention, Cognitive Psychology, Vol.12, pp. 97-136.
- Treisman, Anne, 1991, Search, Similarity, and Integration of Features Between and Within Dimensions, Journal of Experimental Psychology: Human Perception and Performance, Vol.17, No.3, pp.652-676.

- Tyner, Juith, 1992, Introduction to Thematic Cartography. London: Prentice Hall Inc. Ltd.
- Ucar, D., 1992, Semantics of the Map, The Cartographic Journal, Vol.29, Dec. pp.151-153.
- Ware, Colin, 1988, Using Color Dimensions to Display Data Dimensions, Human Factors, Vol.30, No.2, pp.127-142.
- Wolfe, Jeremy M. and Patricia O'neill, 1998, Why Are There Eccentricity Effects in Visual Search ? Visual and Attentional Hypotheses, Perception & Psychophysics, Vol.60, No. 1, pp. 140-156.
- Wong, Kam W. and Nick G. Yacoumelos, 1973, Identification of Cartographic Symbols from TV Displays, Human Factors, Vol.15, No.1, pp.21-31.
- Wood, Clifford H. 1993, Visual Search Centrality and Minimum Map Size, Cartographica, Vol.30, No.4, pp. 32-44.
- Wood, Clifford H. 1994, Effects of Brightness Difference on Specific Map-Analysis Tasks: An Empirical Analysis, Cartographic and Geographic Information Systems, Vol.21, No.1, pp.15-30.
- Wood, M., 1993, The Map-users' Response to Map Design, The Cartographic Journal, Vol. 30, Dec. pp.149-153.
- Yarnal, Careen M. Mackay and Michael R. C. Coulson, 1982, Recreation Map Design and Map Use: An Experiment, The Cartographic Journal, Vol.19, No.1, pp.16-27.
- Yodogawa, Eiji, 1982, Symmetropy, An Entropy-like Measure of Visual Symmetry, Perception & Psychophysics, Vol.32, No.3, pp.230-240.