

- IRA series on the development of the reading process (pp. 34-56). Newark, DE: International Reading Association.
- Cheng, C. M. (1982). Analysis of present-day mandarin. *Journal of Chinese Linguistics*, 10: 281-358.
- Cheng, C. M. (1992). Lexical access in Chinese: Evidence from automatic activation of phonological information. In H. C. Chen & O. J. L. Tzeng (Eds.) *Language processing in chinese*. North-Holland: Elsevier Science Publishers.
- Coltheart, M., Davelaar, E., Jonasson, J. T., & Besner, D. Access to the internal lexicon. In S. Dornic (Ed.), *Attention and performance VI*. Hillsdale, N. J.: Erlbaum.
- Estes, W. K. (1975). The locus of inferential and perceptual processes in letter identification. *Journal of Experimental Psychology: General*, 104: 122-145.
- Glaser, W. R., & Glaser, M. O. (1989). Context effects in Stroop-like word and picture processing. *Journal of Experimental Psychology: General*, 118: 13-42.
- Golinkoff, R. M., & Rosinski, R. R. (1976). Decoding, semantic processing, and reading comprehension skill. *Child Development*, 47: 252-258.
- Grainger, J., & Ferrand, L. (1994). Phonology and Orthography in visual word recognition: effects of masked homophone primes. *Journal of Memory and Language*, 33: 218-233.
- Houwer, J. D., & d'Ydewalle, G. (1994). Stroop-like interference in sorting for intrinsic color: A test of the Glaser and Glaser (1989) model. *Acta Psychologica*, 85: 123-137.
- Hung, D. L., Tzeng, O. J. L., & Tzeng, A. K. Y. (1992). Automatic activation of linguistic information in Chinese character recognition. In R. Frost and L. Katz (Eds.), *Orthography, phonology, morphology and meaning* (pp. 35-46). Amsterdam: Elsevier Science Publishers.
- La Heij, W. (1988). Components of Stroop-like interference in picture naming. *Memory and Cognition*, 16: 400-410.
- Massaro, D. W., & Kitzke, D. (1979). The role of lateral masking and orthographic structure in letter and word recognition. *Acta Psychologica*, 43: 413-426.
- Massaro, D. W., Venezky, R. L., & Taylor, G. A. (1979). Orthographic regularity, positional frequency, and visual processing of letter strings. *Journal of Experimental Psychology: General*, 108: 107-124.
- Massaro, D. W., & Cohen, M. M. (1994). Visual, orthographic, phonological, and lexical influences in reading. *Journal of Experimental Psychology: Human Perception and Performance*, 20: 1107-1128.
- McCusker, L. X., Hillinger, M. L., & Bias, R. G. (1981). Phonological recoding and reading. *Psychological Bulletin*, 89: 217-245.
- Paivio, A. (1986). *Mental representation: A dual-coding approach*. New York: Oxford University Press.
- Seidenberg, M. (1985). The time course of phonological code activation in two writing systems. *Cognition*, 19: 1-30.
- Seidenberg, M. S., & McClelland, J. L. (1989). A distributed, developmental model of word recognition and naming. *Psychological Review*, 96: 523-568.
- Tanenhaus, M. K., Flanagan, H. P., & Seidenberg, M. S. (1980). Orthographic and phonological activation in auditory and visual word recognition. *Memory and Cognition*, 8: 513-520.
- Tzeng, O. J. L., Hung, D. L., & Wang, W. S.-Y. (1977). Speech recoding in reading Chinese characters. *Journal of Experimental Psychology*, 6: 621-630.
- Underwood, G., & Thwaites, S. (1982). Automatic phonological coding of unattended printed words. *Memory and Cognition*, 10: 434-442.
- Waters, G. S., & Seidenberg, M. S. (1985). Spelling-sound effects in reading: Time course and decision criteria. *Memory and Cognition*, 13: 557-572.

論文編號：95008

初稿收件：1995年7月30日

二稿收件：1995年11月19日

三稿收件：1996年8月23日

審查通過：1996年8月23日

THE ROLE OF LEXICAL KNOWLEDGE IN A MODIFIED STROOP TASK

MU-JANG YANG PEI-CHUN FANG
Soochow University

The lexical decision paradigm was used to examine whether the response strategy the subjects used in making judgment would be affected by the embedding context of the stimulus characters in the experiment. The stimuli used in experiment 1 were mixed with characters and noncharacters, while presentation of characters in experiment 2 were mixed with characters and pseudocharacters. The results showed that subjects changed their response strategy when the context of the character presentation in the experiment was changed. The role of both graphemic and phonemic information in lexical decision was also examined in this work.

Keywords: modified Stroop interference paradigm, lexical decision, general lexical knowledge, specific lexical knowledge.