

## IN MEMORIAM

RAPHAEL MITCHELL ROBINSON

(1911 – 1995)

Rapahael Mitchell ROBINSON died on 27 January 1995. He was born on 2 November 1911 and was Professor Emeritus at the University of California at Berkeley.

Among Robinson's colleagues at Berkeley was Alfred Tarski, who, wrote Robinson's sister-in-law Constance Reid, "had great respect for Raphael and often talked with him about problems" (p. 273, D.J. Albers, G.L. Alexanderson & C. Reid (editors), *More Mathematical People* (Boston/San Diego/New York, Harcourt, Brace, Jovanovich, 1990)).

Robinson was interested in number theory and worked on applications of logic, especially recursion theory, to problems in number theory. Some of his publications included "The Theory of Classes, a Modification of von Neumann's System" in *The Journal of Symbolic Logic* 2 (1937), 29–36, "Primitive Recursive Functions", *Bulletin of the American Mathematical Society* (1) 53 (1947), 925–942, "Recursion and Double Recursion", *Bulletin of the American Mathematical Society* (1) 54 (1948), 987–993, "Arithmetical Definitions in the Ring of Integers", *Proceedings of the American Mathematical Society* (1) 2 (1951), 279–284, "Arithmetical Representation of Recursively Enumerable Sets", *Journal of Symbolic Logic* 21 (1956), 162–186, which was translated into Russian in *Matematika* 8, no. 5 (1964), 23–47, and "Some Representation of Diophantine Sets" *Journal of Symbolic Logic* 37 (1972), 572–578, "Restricted Set-theoretical Definitions in Arithmetic", *Proceedings of the American Mathematical Society* (1) 9 (1958), 238–242; with Tarski and Andrzej Mostowski, he contributed to the book *Undecidable Theories* (Amsterdam, North-Holland, 1953). It was also a discussion in 1948 between Tarski and Raphael Robinson that led Raphael's former student and then wife, Julia Robinson, to her work on Hilbert's tenth problem (p. 273, D. J. Albers, G. L. Alexanderson & C. Reid).

HAO WANG (1921 – 1995)

Hao WANG (who was also sometimes known by the more traditional Chinese form of his name, as Wang Hao) died of lymphoma in New York City on Saturday, 13 May 1995. He is survived by his wife, a