Personalia

In Memoriam

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Stephen Cole Kleene

Stephen Cole Kleene died on 25 January 1994 (according to some reports, on 26 January). He was born on 5 January 1909 in Hartford Connecticut. He completed his baccalaureate at Amhert College (Massachusetts) in 1930 and his doctoral thesis in June 1933, receiving his doctorate from Princeton University in 1934.

The earliest and most decisive influences were his teacher Alonzo Church, and Gödel, and he wrote about "Gödel's Impression on Students of Logic in the 1930s" in Paul Weingartner and Leopold Schmetterer's *Gödel Remembered*. His best known publication is his *Introduction to Metamathematics*, and he wrote about his writing of it in Thomas Drucker's *Perspectives on the History of Mathematical Logic*, based on a talk he gave in March 1985 in Chicago as part of the American Mathematical Society Special Session on History of Logic.

He contributed to many areas of mathematical logic, including especially recursion theory and intuitionistic logic, developing the notion of *realizability*, and he served as a member of the editorial board of the Gödel Edition Project. In 1983 he was awarded the American Mathematical Society's Steele Prize for his work from 1955 on recursion theory and descriptive set theory (see *Notices of the American Mathematical Society* **30** (1983), 576–578). He was elected to the National Academy of Sciences in 1969 and was awarded the National Medal of Science in 1990.

Kleene taught at the University of Wisconsin at Madison from 1935 to 1941 and from 1946 until he retired in 1979. During 19411942, he taught at Amherst, and from 1942-1945 he served in the U.S. Navy, attaining the rank of Lieutenant Commander before his discharge. His thirteen doctoral students (all from Wisconsin) were Nels David Nelson (1946), Gene F. Rose (1952), John Addison (1955), Clifford Spector (1955), Paul Axt (1958), Richard Vesley (1962), Yiannis Moschovakis (1963), Douglas Clarke (1964), Shih-Chao Liu (1965), Joan Rand Moschovakis (1965), Robert L. Constable (1968), Dick De Jongh (1968), David Kierstead (?) (source: J. Barwise, H.J. Keisler & K. Kunen (editors), *The Kleene Symposium* (North-Holland, 1980). The "Kleene Symposium" of June 1978 at the University of Wisconsin was held as a celebration of his seventieth birthday.

He had been seriously ill during the last few years of his life.

Following is a list of some of Kleene's major writings with historical themes:

1973. *Realizability: a retrospective survey*, A.R.D. Mathias and H. Rogers (editors), *Cambridge Summer School in Logic* (Springer, LNM **337**), 95–112.