

# Jules I. Schwartz

*Developer of JOVIAL, Jules Own Version of IAL.*



While attending graduate school at Columbia University, Schwartz became acquainted with some early computing devices at the T.J. Watson Center in New York. He joined the Rand Corporation in 1954 where he worked on the JOHNNIAC computer, primarily in the development of utilities, and on the IBM-704, where his major work was on the PACT compiler (one of the early high-level language efforts). He joined the SAGE System development at Lincoln Laboratory in late 1955, where his major contribution was to the Lincoln Utility System. After Systems Development Corporation (SDC) was split off from Rand, he became involved with various system efforts, which eventually led to language work and the development of JOVIAL (Jule's Own Version of IAL)<sup>1</sup> in 1959-1960. After JOVIAL, beginning in the early 1960s, he became responsible for a wide variety of projects, including early time-sharing efforts on the AN/FSQ-32, database management, continued language efforts, and other activities. By the end of the 1960s, he was director of technology at SDC. In 1970 he joined Computer Sciences Corporation, where his primary responsibilities were consulting, managing, auditing, and working on a variety of commercial and government systems. In the process, he has been responsible for the design of several general- and special-purpose languages.<sup>2</sup>

## BIBLIOGRAPHY

### Biographical

Schwartz, Jules L, "The Development of Jovial," in Wexelblat, Richard L., ed., *History of Programming Languages*, Academic Press, New York, 198 1.

## UPDATES

Portrait added (MRW, 2013)

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<sup>1</sup>International Algebraic Language

<sup>2</sup>From Schwartz 1981.