(c) 'A-logical mathematics', i.e. mathematics independent of formal logic.
(d) Mathematics as essentially incomplete.
(e) Mathematics as repudiating classical logic.

The history of logic which followed was focussed about these five viewpoints and was admitted by Temple to therefore be incomplete. It gives a sketch of the history of mathematical logic from Boole to Gödel and slightly beyond, with heavy emphasis in particular on foundational questions and special focus on the work in particular of Frege, Russell, Hilbert and Brouwer.

He completed work on a second edition of his history shortly before his death.

The Editor

IN MEMORIAM – RICHARD S. PIERCE (1927-1992)

Richard Scott Pierce died on 15 March 1992. He was born on 26 February 1927 and was educated at the California Institute of Technology, where he received his B.S. in 1950 and his Ph.D. in 1952.. In 1952-1953, he was a Fellow of the Office of Naval Research at Yale University and a Jewette Research Fellow at Harvard University from 1953 to 1955. He was at the University of Washington from 1955 to 1970, at the University of Hawaii from 1970 to 1975, and at the University of Arizona from 1975 until his death.

Pierce's specialties included ring theory, abelian groups, and especially lattice theory and Boolean algebras. His article "Countable Boolean algebras" forms Chapter 21 of the 3-volume *Handbook of Boolean Algebras.*

SELECT BIBLIOGRAPHY OF R.S. PIERCE

1953. *The Boolean algebra of regular open sets*, Canadian J. Math. **5**, 95-100.

1957. *Distributivity in Boolean algebras*, Pacific J. Math. **7**, 983-992.

1958. *A note on complete Boolean algebras*, Proceedings of the American Mathematical Society **9**, 892-896.

1958. *Distributivity and normal completion of Boolean algebras*, Pacific J. Math. **8**, 133-140.

1959. *A generalization of atomic Boolean algebras*, Pacific J. Math. **9**, 175-182.

1959. *Representation theorems for certain Boolean algebras*, Proc. Amer. Math. Soc. **10**, 42-50.

1959. *Translation Lattices*, Memoirs Amer. Math. Soc. no. 32.

1959. (with D.J. Christensen), *Free products of α-distributive Boolean algebras*, Math. Scand. **7**, 81-105.

1960. (with R. Mayer), *Boolean algebras with ordered bases*, Pacific J. Math. **10**, 925-942.

1961. *Some questions about complete Boolean algebras*, R.P. Dilworth (ed.), *Lattice Theory* (Providence, American Mathematical Society), 129-140.

1963. *A note on free products of abstract algebras*, Nederl. Akad. Wetensch. Proc. Ser. A **66**, 401-407.

1963. *A note on free algebras*, Proc. Amer. Math. Soc. **14**, 845-846.

1968. *Introduction to the Theory of Abstract Algebras*, New York, Holt, Rinehart & Winston.

1968? *Strong homogeneity of the Cantor set*, preprint.

1970. *Existence and uniqueness theorems for extensions of zero-dimensional compact metric spaces*, Transactions Amer. Math. Soc. **148**, 1-21.

1970. *Topological Boolean algebras, Conference on Universal Algebra, 1969, Kingston, Ontario*, 107-130.

1972. *Compact zero-dimensional metric spaces of finite type*, Memoirs Amer. Math. Society no. 130

1973. *Bases of countable Boolean algebras*, Journal of Symbolic Logic **38**, 212-214.

1974. *The cohomology of Boolean rings*, Advances in Math. **13**, 323-381.

1975. *Arithmetical properties of certain partially ordered semigroups*, 115-129.

1977. *Modules over commutative regular rings*, Memoirs Amer. Math. Society no. 70.

1978. *Symmetric groupoids*, Osaka J. Math. **15**, 51-76.

1983. *Tensor products of Boolean algebras*, R.S. Freese & O.C. Garcia (eds.), *Universal Algebra and Lattice Theory, Proc., Puebla 1982* (Springer, LNM **1004**), 232-239.

1983. (with C.I. Vinsonhaler), *Realizing algebraic number fields*, R. Göbel, L. Lady & A. Mader (eds.), *Abelian Group Theory* (Springer, LNM **1006**), 49-96.

1989. *Countable Boolean algebras*, J.D. Monk & R. Bonnet (eds.), *Handbook of Boolean Algebras* (Amsterdam/New York/Oxford/Tokyo, North-Holland), vol. 3, 775-876.

The Editor