



Historyofscience.com ☉ Jeremy Norman & Co., Inc. ☉ Historyofinformation.com  
History of Science, Medicine & Technology ☉ History of Media  
Rare Books, Manuscripts, Appraisals ☉ P. O. Box 867, Novato, California 94948-0867  
Email: orders@jnorman.com ☉ Telephone: 415-892-3181 ☉ Mobile: 415-225-3954

**Quine, Willard Van Orman** (1908-2000). Collection of 24 offprints and one journal article, as listed below. 1932-1969. In original printed wrappers or without wrappers as issued. One offprint with presentation inscription from Quine to Roderick Firth (1917-87), Quine's fellow professor of philosophy at Harvard University. Five of the offprints are from the library of German mathematical logician Gisbert Hasenjaeger (1919-2006), with his signature or ownership stamp. Very good to fine overall; see below for condition details.\$2750

**First Editions, Offprint Issues** of all but one of the papers listed below, representative of the work of the American mathematical logician Willard Quine, one of the most influential philosophers of the twentieth century. "Quine was a teacher of logic and set theory. Quine was famous for his position that first order logic is the only kind worthy of the name, and developed his own system of mathematics and set theory, known as New Foundations. In philosophy of mathematics, he and his Harvard colleague Hilary Putnam developed the 'Quine-Putnam indispensability thesis,' an argument for the reality of mathematical entities. However, he was the main proponent of the view that philosophy is not conceptual analysis, but continuous with science; the abstract branch of the empirical sciences. This led to his famous quip that 'philosophy of science is philosophy enough.' He led a 'systematic attempt to understand science from within the resources of science itself' and developed an influential naturalized epistemology that tried to provide 'an improved scientific explanation of how we have developed elaborate scientific theories on the basis of meager sensory input.' He also advocated ontological relativity in science, known as the Duhem-Quine thesis . . . A 2009 poll conducted among analytic philosophers named Quine as the fifth most important philosopher of the past two centuries" (Wikipedia).

Five of the offprints in this collection were once owned by German mathematical logician Gisbert Hasenjaeger, who safety-tested the Enigma machine for cryptological weaknesses during World War II, and after the war developed a new proof of Gödel's completeness theorem for predicate logic. 46226

No.	Title	Date	Notes
1.	A theorem in the calculus of classes. Offprint from <i>Journal of the London Mathematical Society</i> 8	1932	89-95p. Original printed wrappers, chipped, spine mended with tape.
2.	On derivability. On Cantor's theorem. Double offprint from <i>Journal of Symbolic Logic</i> 2	1937	113-124pp. Original printed wrappers. Hasenjaeger's ownership stamp.
3.	On the logic of quantification. Offprint from <i>Journal of Symbolic Logic</i> 10	1945	12pp. Without wrappers.
4.	On ordered pairs. Offprint from <i>Journal of Symbolic Logic</i> 10	1945	95-96pp. Single sheet, unbound.

No.	Title	Date	Notes
5.	Concatenation as a basis for arithmetic. Offprint from <i>Journal of Symbolic Logic</i> 11	1946	105-114pp. Without wrappers.
6.	On relations as coextensive with classes. Offprint from <i>Journal of Symbolic Logic</i> 11	1946	71-72pp. Single sheet, unbound.
7.	On universals. Offprint from <i>Journal of Symbolic Logic</i> 12	1947	74-84pp. Without wrappers.
8.	The problem of interpreting modal logic. Offprint from <i>Journal of Symbolic Logic</i> 12	1947	43-48pp. Without wrappers.
9.	On natural deduction. Offprint from <i>Journal of Symbolic Logic</i> 15	1950	93-102pp. Original printed wrappers.
10.	Semantics and abstract objects. Offprint from <i>Proceedings of the American Academy of Arts and Sciences</i> 80	1951	90-96pp. Without wrappers.
11.	The problem of simplifying truth functions. In <i>American Mathematical Monthly</i> 59 (whole number).	1952	521-531pp. Original printed wrappers. Journal issue.
12.	Three grades of modal involvement. Offprint from <i>Proceedings of the XIth International Congress of Philosophy</i> 14	1953	65-81pp. Original printed wrappers.
13.	Two theorems about truth functions. Offprint from <i>Boletín de la Sociedad Matemática Mexicana</i> 10	1953	64-70pp. Unbound, stapled.
14.	On $\omega$ -inconsistency and a so-called axiom of infinity. Offprint from <i>Journal of Symbolic Logic</i> 18	1953	119-124pp. Original printed wrappers. Hasenjaeger's stamp.
15.	Interpretations of sets of conditions. Offprint from <i>Journal of Symbolic Logic</i> 19	1954	97-102pp. Original printed wrappers. 2 copies
16.	On Frege's way out. Offprint from <i>Mind: A Quarterly Review of Psychology and Philosophy</i> 64	1955	145-159pp. Without wrappers. Hasenjaeger's signature.
17.	A proof procedure for quantification theory. Offprint from <i>Journal of Symbolic Logic</i> 20	1955	141-149pp. Original printed wrappers, one corner chipped.
18.	Quantifiers and propositional attitudes. Offprint from <i>Journal of Philosophy</i> 53	1956	177-188pp. Without wrappers.

No.	Title	Date	Notes
19.	Unification of universes in set theory. Offprint from <i>Journal of Symbolic Logic</i> 21	1956	267-279pp. Original printed wrappers.
20.	Logic, symbolic. Preprint from <i>Encyclopedia Americana</i>	1957	569-573, 573a pp. Without wrappers.
21.	On simple theories of a complex world. Offprint from <i>Synthese</i> 15.	1963	103-106pp. Original printed wrappers.
22.	(with Hao Wang) On ordinals. Offprint from <i>Bulletin of the American Mathematical Society</i> 70	1964	297-298pp. Original printed wrappers.
23.	Implicit definition sustained. Offprint from <i>Journal of Philosophy</i> 61	1964	71-74pp. Without wrappers. Hasenjaeger's signature.
24.	Ontological reduction and the world of numbers. Offprint from <i>Journal of Philosophy</i> 61	1964	209-216pp. Without wrappers. Hasenjaeger's signature.
25.	Replies. Offprint from <i>Synthese</i> . Edited in honor of W. V. Quine by Donald Davidson and Jaakko Hintikka.	1968-69	264-322pp. Original printed wrappers. Inscribed by Quine on the first page: "For Rod [Firth] with best regards Van."