Contents

	LIST OF FIGURES	vi
	PREFACE	ix
I.	The Discovery of Radiation and Its Hazards	1
2.	The Debate over Nuclear Power and Radiation	29
3.	The Role of Federal Agencies in Radiation Protection	67
٤.	New Controversies, New Standards	91
5.	The Ambiguities of Radiation Effects	129
	ESSAY ON SOURCES	157
	INDEX	161

Figures

I.	E. V. Cowdrey speaking to reporters and other observers after	
	the purchase of a reactor-produced radioisotope for medical re-	
	search, August 2, 1946.	14
2.	A whole-body counter used to measure levels of radiation.	25
3.	Officials of the Atomic Energy Commission and Lawrence	
	Livermore National Laboratory posing during a meeting,	
	March 6, 1969.	39
4.	Scientists from the Hanford plutonium production complex	
	in eastern Washington examining a white sturgeon in the	
	Columbia River to check for radiation level.	51
5.	"Real cows" grazing in a pasture at the National Reactor	
	Testing Station in Idaho, where they were exposed to releases	
	of iodine 131.	55
6.	A "multi-detector positron scanner" used, in conjunction with	
	radioisotopes, for locating tumors.	82
7.	A teletherapy unit for treating patients by using radioactive	
	cobalt 60, ca. 1972.	86
8.	Demonstrators rallying against nuclear power in Harrisburg,	
	Pennsylvania, April 9, 1979.	98
	A worker at the National Reactor Testing Station walking	
	through entrance portal to be checked for radiation, ca. 1974.	110