

[606] The local origin of the physical scientists, likewise, is commonly a smaller town or farm, of the midwest especially, their collegiate and graduate education was widely scattered over the country, not so concentrated in the northeastern prestigious halls of ivy, and they came from public high schools. But Ph. D.'s in the physical sciences are nearly twice as numerous from the New England and Middle Atlantic States, as from the Middle West, in proportion to the graduates of their respective high schools.⁵⁹³ Also their frequency goes up sharply with the size of the high school's graduating class, rising to 3.3-fold when the size enlarges from 1-19 to 100-200, to 4.8-fold for the 600-800 class, and to 11-fold for the classes larger than 800.⁵⁹³ Many of our greatest inventors have been foreign-trained immigrants. Meier⁵⁹⁴ compares the different natural sciences—physicists and mathematicians are intellectuals, typically from the top group, often ministers' sons; physicists are practically always musicians; chemists are mainly lower middle class, engineers are the least aristocratic; biologists have diverse origins. Harmon⁵⁹⁵ compares the doctors of the different sciences as to their IQ's and high school rank. The education, parentage, occupations, and age of patentees, who are weighted in proportion to their frequency of patenting, have been studied by Rossman,^{595.6} Schmookler (ftN 99, p. 31), Carr,⁵⁹⁷ and in a forthcoming report by Sanders. Inventors' ages will be discussed in ¶ 640.