

SCIENCE

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A SYSTEM OF COOPERATION BETWEEN THE COLLEGE AND INDUSTRY

MUCH has been written in recent months pointing out in unmistakable terms the value of chemical research to industrial companies and organizations. There has been described an enormous number of problems within the range of chemistry and chemical engineering, which are at present confronting the industrial world or which, by their solution, would vastly enhance the efficiency of their processes or the marketability of their products.¹ Many papers have discussed the methods by which such investigational work might be introduced; some going into much detail as to the establishment of departments of chemical research within the industrial plants themselves,² and others revealing the advantages which would obtain by causing these several investigations to be studied in centralized laboratories of industrial Research.³ Still others have pointed out the advantages to the industrial organizations of permitting

¹ Duncan, "The Chemistry of Commerce," *No. Amer. Rev.* (1907), 241, and "Some Chemical Problems of To-day," *ibid.* (1911), 224. Hamor, "The Value of Industrial Research," *Scientific Monthly*, 1-86 (1915), and "The Research Couplet," *ibid.*, 6-319 (1917). Bacon, "The Remuneration of Industry by Research," *Sci. Am.*, 116-281 (1917). Bacon and Hamor, "Some Present-day Problems of Chemical Industry," *J. Ind. Eng. Chem.*, 11, 470 (1919).

² Mees, "Planning a Research Laboratory for and Industry," *J. Ind. Eng. Chem.*, 10, 476 (1918).

³ Bacon, "The Industrial Fellowships of the Mellon Institute," *ibid.*, 11, 371 (1919). Symposium on "An Institute for Cooperative Research as an Aid to the American Drug Industry," *ibid.*, 11, 59; 11, 157; 11, 377 (1919). Annual Report of the Honorary Advisory Council for Scientific and Industrial Research of Canada, March 31, 1919, Canadian Official Record, August 7, 1919.