

CO-OPERATION IN RESEARCH

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No one can survey the part played by science in the war without reflecting on the ultimate influence of the war on science. Able investigators have been killed or incapacitated, and with them a host of men who might have taken high places in research. Sources of revenue have been cut off, and the heavy financial burdens permanently imposed upon individuals, institutions, and governments must tend to reduce funds available for the advancement of science. On the other hand, the usefulness of science is appreciated as it never has been before, and newly enlightened governments have already recognized that large expenditures for research will bring manifold benefits to the state. Industrial leaders of industry have also been quick to appreciate the increased returns that research renders possible, and industrial laboratories are multiplying at an unprecedented rate. The dearth of available investigators, and the higher salary scale of the industrial world, have seriously affected educational institutions, members of whose scientific staffs, inadequately paid and tempted by offers of powerful instrumental equipment, have been drawn into the industries. On the other hand, industrial leaders have repeatedly emphasized the fundamental importance of scientific researches made solely for the advancement of knowledge, and the necessity of basing all great industrial advances on the results of such investigations. Thus they may be expected to contribute even more liberally than before to the development of laboratories organized for work of this nature. Educational institutions are also likely to recognize that science should play a larger part in their curriculum, and that men skilled in research should be developed in greatly increased numbers. The enhanced appreciation of science by the public, the demand for investigators in the industries, and the attitude of industrial leaders of wide vision toward fundamental science, should facilitate attempts to secure the added endowments and equipment required.

On the whole, the outlook in America seems most encouraging. But the great advance in science that thus appears to be within reach cannot be attained without organized effort and much hard work. On the one hand, the present interest of the public in science must be developed and utilized to the full, and on the other, the spirit of co-