

INDUSTRIAL RESEARCH What is to become of the German universities after this war? No one will want to go to them from any of the allied countries now in arms against Germany, though they may continue to attract here and there a graduate student from the United States. This makes it all the more incumbent on us to expand and strengthen the work of the English-speaking Universities all over the Empire. They are in the limelight now because of the rôle they are playing and the sacrifices they are making in the common cause. In France, the Minister of Public Instruction said the other day that the task of the University is to make the whole country understand what it is fighting for: and thus "bringing its scientific training to clarify and its example to strengthen the national sentiment, to cherish and fortify it in an unshaken confidence and resolve." But there is more than that. The fruits of scientific research have been so obvious during the war, especially as applied to the testing of munitions and the provision of high explosives, that greater appreciation may be expected when the war is over of the services the Universities are capable of rendering in these and other directions. To say nothing of the vast field of medicine, surgery and public health, or of the problems connected with public administration and social betterment, or of the still larger issue of imperial organization, there are vast opportunities of usefulness in the sphere of industrial research. This was brought out at a notable conference recently held in Ottawa, where representatives of our Canadian Universities heard something as to the desirability of linking the work of their scientific laboratories with industrial and commercial needs. In order to be progressive, commerce and industry must rest on a sound basis of scientific knowledge. One of the most effective methods of bringing the scientific expert into touch with the manufacturer has been developed at the Mellon Institute at Pittsburg, whose work has just been made the subject of an educational pamphlet issued by the Board of Education in London. The problem is supplied by the factory, and when its exact nature has been defined the