an instrument for advancing scient fic expression—this is the great maxim discovery. an efficient instrument of research.

In England, it might seem at first else are inwardly convulsed. sight as if what the higher education. The older pedagogic method of of the universities aimed at were the learning things by rote, and reciting production of certain static types of them parrot-like in the school-room, character, rather than the development rested on the truth that a thing merely of what one may call this dynamic read or heard, and never verbally rescientific efficiency. Profes or Jowett, produced, contracts the weakest possiwhen asked what Oxford could do for ble adhesion in the mind. its students, is said to have replied, recitation or reproduction is thus a "Oxford can teach an English gentle highly important kind of reactive man how to be an English gentleman." behavior on our impressions, and it is But if you ask what it means "to be to be reared that, in the reaction an English gentleman," the only reply against the old parrot recitations as the is in terms of conduct and behavior. beginning and end of instruction, the An English gentleman is a bundle of extreme value of verbal recitation as specifically qualified reactions, a crea- an element of complete training may ture who for all the emergencies of nowadays be too much forgotten. life has his ling of rehavior distinctly marked ou' ir him in advance. Here, gegics, we see how enormously the as elsewhare, "Englard expects every field of reactive conduct has been exman to do his duty."

THE NFCESSITY OF REACTIONS.

one general aphorism emerges which useful as they are, are insufficient. ought by logical right to dominate the The pupil's words may be right, but entire conduct of the teacher in the the conceptions corresponding to them class-room. No reception without re are often direfully wrong. action, no impression without correlative modern school, therefore, they form

The German universities which the teacher ought never to forare proud of the number of young get. An impression which simply specialists whom they turn out every flows in at the pupil's eyes or ears, and year-not necessarily men of any in no way modifies the active life, is original force of intellect, but men so an impression gone to waste. It is trained to research that when their physiologically incomplete. It leaves professor gives them an historical or no fruits behind it in the way of philological thesis to prepare, or a bu capacity acquired. Even as mere imof laboratory work to do, with a gen pression it fails to produce its proper eral indication as to the best method, effect upon the memory; for, to remain they can go off by themselves and use fully amongst the acquisitions of this apparatus and consult sources in such latter faculty, it must be wrought ina way as to grind out in the requisite to the whole cycle of our operations. number of months some little pepper-1 lts motor consequences are what corn of new truth worthy of being clinch it. Some effect, due to it in the added to the store of extant human, way of an activity, must return to the information on that subject. Little mind in the form of the sensation of else is recognized in Germany as a having acted, and connect itself with man's title to academic advancement the impression. The most durable than his ability thus to show himself impressions, in fact, are those on account of which we speak or act, or

Verbal

When we turn to modern pedatended by the introduction of all those methods of concrete object teaching which are the glory of our contem-If all this be true, then immediately porary schools. Verbal reactions, In a