Mechanics and General Science.

BRITISH SCIENTIFIC ASSOCIATION.

of the University of Dublin.

how far we have fulfilled the third of our objects, - mind the dominion of order and the supremacy of "to obtain a greater degree of national attention truth,—that must be useful to the individual, use-to the objects of Science." Most assuredly it was ful to the nation. Even had he been incapable needful; for nowhere in the civilized world is less of rising above the gross measure of pecuniary honour paid by a nation to science, though no-value, he ought to have been able to give a mighty where is national prosperity more connected with answer to his own inquiry. There is not a single its progress, nowhere are heavier penalties paid element of our commercial prosperity in which for its neglect. I do not now refer to the remarkable fact that in Britain only men whose scientific in which the loss arising from want of that cerfame fills all Europe were seldom thought worthy tainty of action which mere unenlightened practice of any honorary distinction by their Government. can never attain, does not reach an amount which, he despises such gauds, those who bestow them fluences which are there revealed are chiefly hold them precious; and they serve him as a scale found among the people whose industry is the third-rate soldier or the annual magistrate of some stracted from national wealth,—even were all town that might be honoured with a Royal visit. moral sense or religious feeling dead in us, we Nor do I refer to the miserable economy which must confess that the knowledge which is capaonly of the dead) to waste, in the drudgery of bear the treasures produced by this industry fully with the munificent provision which republican France and despotic Russia heap on such

said that he hated scientific officers! of his engineers might have told him that more money had been wasted and lives lost in that de-The nineteenth annual meeting of the British any one could think of without shame and sorrow. Association for the advancement of Science took place in Birmingham in September last. The destion which I know to have been asked by another in "high places," though milder in expression, was not less scornful—"Of what use following is the concluding portion of the Presi- is science?" He who asked it ought to have dent's address—the Rev. T. Romney Robinson, known better. Whatever tends to raise man above low and sensual pursuits,—whatever to lead him from the partial and present to the gen-I have left myself but little space to consider eral and the future, whatever to exalt in his As it relates to themselves, this is of no impor- if stated in figures, would astound the most tance; but it is of deep concern to the honour of thoughtless. For instance, the causes which in this country. The true votary of science loves it our great cities hasten the death and debase and this country. The title votary of science loves it our great cities hasten the death and debase and for itself: in its possession he has a higher honour, embitter the life of so many, have at last been a nobler decoration than man can give. He does forced by chemists and physiologists on the notice not require to be bribed to follow it by titles or of the public. Look at Dr. Smith's report on the ribbons,—the baits for meaner spirits, the lure to love achievements. But he knows that though when we think that the victims of the deadly inby which he finds that great men once placed a foundation of our greatness,—that every year cut Herschel or a Brewster nearly on a level with a off from the life of each of these is so much sub-Nor do I refer to the miserable economy which must confess that the knowledge which is capa-permitted such men as Ivory and Dalton (to speak ble of averting them "is of use." The ships that earning a precarious subsistence, the years, the through the world are lost to a fearful amount,—powers, the hopes which could have borne light nearly three daily. What are they worth,—ship, into the remotest and darkest recesses of the cargo, men?-and most of them perish from want realms of inquiry; though it does contrast pain- of nautical science or from unscientific construction. How many men have been ruined by lican France and despotic Russia heap on such searching for minerals, when the merest smatter-men when they can find them. Both these spring ing of geology would have dispelled their delusion? from the same root;—the gross ignorance in this On the other hand, the agricultural produce of our province of the intellect which up to the begin- islands might be doubled by a more perfect appliraing of this Association, and long afterwards, pre-cation of the principles of botany and chemistry-vailed in the land. The industrial classes of our The manufacture of iron has been augmented sixcountrymen were wont to rely in their pursuits on fold by the use of the puddling furnace and the the unenlightened dexterity and empirical success hot-blast,—both gifts of theory. How gigantic a which resulted from experience, and to scoff at the idea of learning anything useful from a mere the thousand arts of which this immense supply theorist; those whom wealth and independence of that most precious of metals is the exponent permitted to choose seldom sought employment or The splendid machinery in which we excel, the pleasure in this unfashionable region,—their edu-cation, though the best then current, having given them very little cognizance of what it might congiven by philosophers like Willis or Babbage, them very little cognizance of what it might con-tain. And to ascend still higher, even to the exe-cutive and legislative bodies, they "cared still less for science; the tension of political life en-towhich now seems to be committed the weaving grossed all their faculties: they disliked philoso of the world's destiny, -that itself was a pure inphers as meddlers, or despised them as dreamers. duction of science :—and beyond that I need not The head of a great military department once go. But we live in better times; for no statesman