

vary, and discussing them is an actual advantage, because such discussion leads us to make other investigations and to undertake new experiments." Failure to observe this difference between fact and interpretation has been the cause of many needless and bitter personal controversies, and indeed it may affect seriously the relation between the students and their instructors. You will find that there are contradictions in the opinions and interpretations of instructors in different departments or even in the same department. These need not be a source of confusion, provided, as Claude Bernard says, we agree on the facts. There are professors who unintentionally perhaps impress

their own opinions upon students with such authority that these opinions are regarded as unalterable facts. All of us must guard against this tendency, for nothing is more destructive to the freedom of thought, ingenuity and creative thinking of the student, the very qualities we are eager to encourage. The student must never feel that he will be penalized for expressing an honest well-founded contrary opinion in our midst. Let it also be said that the student must examine his own motives to be sure that they are not simply a desire to contradict, but an earnest seeking after the truth. In that spirit only can academic freedom and freedom of speech be kept alive in our universities.

SCIENTIFIC EVENTS

NEW FELLOWS OF THE ROYAL SOCIETY OF EDINBURGH

ACCORDING to a report in *Nature*, the following have been elected fellows of the Royal Society of Edinburgh: E. B. Ball, president of the Institution of Mechanical Engineers; J. Bowman, city water engineer, Edinburgh; B. S. Bramwell, advocate, London; J. Brough, lecturer in vertebrate zoology, University of Edinburgh; Dr. A. F. Buchan, teacher of mathematics, James Gillespie's School, Edinburgh; J. M. Caie, deputy secretary, Department of Agriculture for Scotland; J. Cameron, formerly head of the Pharmaceutical Department, Peiping Union Medical College; Professor J. W. Cook, department of chemistry, University of Glasgow; Dr. J. Coumts, lecturer in pharmacology and demonstrator in practical pharmacy, St. Bartholomew's Hospital Medical College, London; Satchidnanda Datta, veterinary research officer, Imperial Veterinary Research Institute, Calcutta; Dr. T. Elder Dickson, art master, George Watson's Ladies College, Edinburgh; Dr. A. T. J. Dollar, assistant in the department of geology, University of Glasgow; Dr. H. I. Drever, assistant in the department of geology, University of St. Andrews; W. McC. Harrowes, medical director, New Saughton Hall Private Mental Hospital, Polton, Midlothian; T. Hart, collector of the Trades House of Glasgow; Professor C. F. W. Illingworth, department of surgery, University of Glasgow; J. G. Kyd, registrar-general for Scotland; P. R. Laird, secretary to Department of Agriculture for Scotland; Dr. Robert McAdam, lecturer in mining and surveying, Heriot-Watt College, Edinburgh; Dr. J. A. Macdonald, lecturer in botany, University of St. Andrews; Dr. A. E. W. McLachlan, clinical medical officer, Newcastle General Hospital, Newcastle-upon-Tyne; Dr. A. MacNiven, physician superintendent, Royal Mental Hospital, Glasgow; Professor G. F. Marrian, department of chemistry in relation to medicine, University of Edinburgh; Dr. E. R. A.

Merewether, H.M. medical inspector of factories, Birmingham; R. M. Neill, senior lecturer in zoology, University of Aberdeen; Dr. H. B. Nisbet, lecturer in chemistry, Heriot-Watt College, Edinburgh; J. S. C. Reid, solicitor-general for Scotland; H. Riley, founder and head master of Strathallan School, Forgandenny, Perthshire; J. Thomson, distiller, London; Dr. H. M. Traquair, president of the Royal College of Surgeons of Edinburgh, lecturer on diseases of the eye, University of Edinburgh.

THE DETROIT CENTER OF THE UNIVERSITY OF MICHIGAN

FINAL arrangements for the construction of a building to cost \$1,500,000 in the art center group in Detroit that will serve as permanent headquarters for the Engineering Society of Detroit and the University of Michigan Extension Service have been made. A memorial to the public spirit and philanthropy of the late Horace H. Rackham and of Mary A. Rackham, it will be known as the Horace H. Rackham Educational Memorial, will combine professional, scientific and educational activities.

The building will be located on the south side of Farnsworth Avenue, facing the Detroit Institute of Arts and diagonally across from the Detroit Public Library. Construction will begin early in 1940.

The exterior of white limestone, with marble spandrels and simple ornamental carvings, will house three distinct units of the building. The central section will be an auditorium, seating 1,000 persons, which will be at the disposal of both the society and the university. It will be flanked on the east by a wing housing the Engineering Society and on the west by a wing devoted to the University's Extension Service. The entire memorial will be 404 feet in length and will vary in depth from 150 feet at the center to 65 feet at the ends.

Three floors are provided in the wing of the Engi-