

Dewsbury, 155.4 in Burnley and 158.5 in Bootle.

The mean temperature of the air last quarter was above the average in most districts; the total amount of rainfall was less than the average; and, owing to the general dullness in March, there was a deficiency in the total duration of bright sunshine during the quarter.

#### APPROPRIATIONS FOR THE UNIVERSITY OF ILLINOIS

THE forty-seventh general assembly of the state of Illinois, which closed its regular session on June 1, by a record breaking act, has distinguished itself in the cause of state education. Former legislatures of the state had made what was considered at the time generous appropriations for the state university. The present General Assembly, however, recognized the ever-increasing needs of the state university and its great public service by appropriating for its support for the coming biennium the sum of \$3,519,300. This is the largest appropriation ever made by a state legislature to a state educational institution and a million and a quarter larger than the largest appropriation ever before made to the University of Illinois.

But this is not all. The present general assembly not only recognized the immediate needs of the university and provided for them, but it had the courage to look ahead and make wise provision for the future by levying a one mill tax for its continued support. It is estimated that this tax will yield an income to the university, two years hence, of about two and one quarter million dollars a year. Thus the legislature has crowned its important work for state education by providing what is in effect a permanent annual grant equal to the income at 5 per cent. of an endowment fund of \$45,000,000.

By these acts the general assembly eloquently expresses its confidence in the management of university affairs and its general approval of the able leadership and restless energy of the university's president, Dr. Edmund J. James.

The extent and nature of the work of the university for which the legislature has made appropriations will be seen from the following items:

	For the Biennium 1911-1913
For salaries and operating expenses ..	\$1,150,000
Books for the library .....	50,000
Maintenance of the College of Engineering and Engineering Experiment Station (not including building) ..	180,000
For the College of Agriculture and Agricultural Experiment Station (not including buildings) .....	799,300
For Social and Political Science .....	50,000
Support of Law School .....	50,000
Support of Graduate School .....	100,000
Support of College of Medicine .....	120,000
Maintenance and equipment of Mining Engineering .....	55,000
Support of ceramics .....	30,000
For new buildings .....	724,000
Armory .....	\$100,000
Engineering building and ground .....	200,000
Building for School of Commerce .....	125,000
Addition to Woman's building .....	125,000
For Kiln House for Ceramics .....	21,000
For agricultural buildings	153,000
For purchase of land, Agricultural Experiment Station .....	20,000
Other items not included above .....	191,000
Total .....	\$3,519,300

In addition to the above the university will receive from the federal government and other sources funds that will bring its income to about \$2,000,000 per annum for the next biennium beginning July 1, 1910.

Of the above appropriations there is one item that should be noticed particularly as it is the first appropriation ever made by the state of Illinois for the purpose specified. It is the item of \$60,000 per year for the support of the College of Medicine of the university. By this act the state of Illinois takes its place among modern states in recognizing its high duty to take measures for the protection of the health of its citizens.

No account has been taken in the above items of the appropriations made for the State Laboratory of Natural History, for the State Entomologist's Office, for the State Geological Survey and the State Water Survey, whose activities are closely allied with the work of the university.

B. E. POWELL

#### SCIENTIFIC NOTES AND NEWS

THE University of Göttingen has conferred the honorary degree of doctor of philosophy upon Professor Albert A. Michelson, head of the department of physics at the University of Chicago, and retiring president of the American Association for the Advancement of Science.

THE George Washington University has conferred the honorary degree of doctor of medicine on Dr. L. O. Howard, chief of the Bureau of Entomology and permanent secretary of the American Association for the Advancement of Science, for "distinguished services to science in relation to preventive medicine."

CAMBRIDGE UNIVERSITY has conferred its doctorate of science on Dr. George E. Hale, director of the Solar Observatory of Mt. Wilson, and on Dr. T. W. Richards, of Harvard University.

DR. ALLEN J. SMITH, dean of the Medical School of the University of Pennsylvania, received the degree of LL.D. at the exercises attending the opening of the Medical School Building of McGill University.

SURGEON-GENERAL CHARLES F. STOKES, U. S. Navy, delivered the valedictory address at the commencement exercises of Jefferson Medical College, Philadelphia, on June 5. On this occasion the college conferred on him the degree of LL.D. and on the following day Columbia University, from which he graduated in medicine, gave him the degree of D.Sc.

UNDER the auspices of the president and council of the Chemical Society, the Faraday lecture was delivered in London on June 14 by Professor Theodore W. Richards, of Harvard University. At the conclusion of the lecture

the Faraday medal was presented to Professor Richards.

DR. W. M. DAVIS, Sturgis-Hooper professor of geology at Harvard University, has been appointed visiting professor at Paris under the new arrangement between Harvard and the Ministry of Public Instruction.

AT the annual meeting of the London Institution of Electrical Engineers, Mr. S. Z. de Ferranti was elected president.

PROFESSOR POHL, of Prague, has been appointed director of the institute of pharmacology at Breslau in place of Professor Filehne.

THERE have retired from active service Dr. Rudolf Nietzki, professor of chemistry at Bâsle; Dr. Louis Isely, professor of mathematics at Neuchâtel, and Dr. Bernhard Tollens, associate professor of agricultural chemistry at Göttingen.

PROFESSOR CHAS. W. HARGITT, of Syracuse University, has recently returned from a seven-months' sojourn in Europe as a part of his sabbatic year. After brief visits to the laboratories at Plymouth, London University, Munich, Vienna and Paris, four months were spent at the Naples Zoological Station, occupying the Smithsonian table. Several American laboratories have also been visited.

PROFESSOR BURTON E. LIVINGSTON, of the Johns Hopkins University, will continue his researches at the Desert Laboratory, Tucson, Ariz., during the present summer. He will be assisted by Professor J. S. Caldwell, of the University of Nashville.

MR. FREDERICK G. CLAPP has been investigating the geological occurrence of petroleum in the Mexican oil fields.

THE first two incumbents of the Kahn traveling fellowships for American teachers are Professor John H. T. McPherson, professor of history and political science in the University of Georgia, Athens, Ga., and Professor Francis Daniels, professor of romance languages in Wabash College, Crawfordsville, Ind.

ON May 29 Professor Herbert N. McCoy, of the University of Chicago, delivered the