

new buildings and \$14,530 for the State Game Farm,

Although the new law makes only a little more than half a million dollars available at once for new construction, it directs the state architect to prepare plans for the further extension of the college; and it authorizes the board of trustees, following the architect's plans, to enter into contracts for additional construction to the amount of \$3,000,000.

The remaining \$1,256,358.80 is for the salaries of the staff and expenses of operation during the fiscal year from July 1, 1920, to June 30, 1921. This appropriation is larger than last year's by \$282,855, of which about two thirds will go for increased salaries.

The law also provides for some new officers of administration, principally a vice-dean of resident instruction and a vice-director of the Experiment Station. There is already a vice-director in charge of the extension service. The filling of the new positions will therefore complete the administrative organization in the three chief phases of work which the law requires of the college.

SELENIUM AND TELLURIUM

At the recent meeting of the American Chemical Society in St. Louis a report of progress of the sub-committee of the National Research Council on The Uses of Selenium and Tellurium was presented by Victor Lenher, of the University of Wisconsin, at the request of the Engineering Division of the National Research Council. This sub-committee is working in close contact with all of the producers of selenium and tellurium in the country, and is carrying out one of the ideals of the National Research Council, which is to promote and coordinate research work in every direction.

The source of selenium and tellurium is in the anode mud from the electrolytic refining of copper. Copper refineries can annually produce under present conditions approximately 300,000 pounds of selenium and about 125,000 pounds of tellurium. A few hundred pounds of these elements would amply supply the market to-day. The large amounts of these elements available and for which there is no practical use, has caused the National Research

Council to create a committee whose duty it is to find possible methods for their utilization. This committee consists of Arthur E. Hall, chairman, H. G. Greenwood, Victor Lenher, O. C. Ralston, E. W. Rouse, S. Skowronski and A. W. Smith, and it has been working in close contact with the producers of selenium and tellurium. Arrangements have been made whereby large quantities of these elements can be procured for experimental purposes at cost price from the Raritan Copper Works, Perth Amboy, N. J., the United States Metals Refining Co., Chrome, N. J., the American Smelting and Refining Co., Omaha, Nebraska, and the Baltimore Copper Smelting and Rolling Co., Baltimore, Md.

Mr. E. W. Rouse, of the Baltimore Copper Smelting and Rolling Co., Baltimore, Md., will ship at any time reasonable quantities of selenium gratis to investigators upon the recommendation of the Committee of the National Research Council on the Uses of Selenium and Tellurium. Mr. Arthur E. Hall, of the Omaha plant of the American Smelting and Refining Company, will forward reasonable quantities of tellurium gratis under the same conditions.

PHYSICAL AND CHEMICAL CONSTANTS

THE American Chemical Society at its St. Louis meeting passed the following resolution:

WHEREAS, every industry, for its successful operation, depends upon an accurate knowledge of the properties of the materials it uses and produces and the numerical values of these properties which are known as their constant, and

WHEREAS, during the war, it became evident that much of the published data on these constants was found to be extremely inaccurate, entailing considerable loss in time and money and it was found in many cases that data very much desired was not to be found in published records, and

WHEREAS, up to now publication of such constants in tabular form has been mostly in some foreign language and consequently of limited availability, and

WHEREAS, under allotment by the Inter-Allied Council and the International Research Council, the National Research Council of the United States (an organization duly created by the President of the United States) has decided that this deficiency

could best be met by the compilation and publication in English of tables of constants which have been critically reviewed as to their accuracy and has decided that this could best be done by the appointment of a committee to act as trustees in charge of such compilation and as far as is necessary to have charge of the determination of such constants as have not already been published or determined, and

WHEREAS, the trustees so appointed were selected as representing the American Chemical Society, the American Physical Society and the American Institute of Chemical Engineers, the representatives being, respectively, Julius Steiglitz, Edwin P. Hyde and Hugh K. Moore, therefore be it

Resolved, that the American Chemical Society in convention assembled heartily endorses this project and promises to the trustees its support in every way within its power.

SCIENTIFIC NOTES AND NEWS

THE American Philosophical Society on April 24 elected members as follows: Wilder D. Bancroft, Washington; Gary N. Calkins, New York; Edward Capps, Princeton; Heber D. Curtis, Mt. Hamilton, Calif.; Leonard E. Dickson, Chicago; William Duane, Boston; Moses Gomberg, Ann Arbor; Frank J. Goodnow, Baltimore; John F. Jameson, Washington; Douglas W. Johnson, New York; Vernon L. Kellogg, Stanford University, Calif.; George F. Moore, Cambridge; Paul Shorey, Chicago; William C. Sproul, Chester, Pa., and Pope Yeatman, Philadelphia.

THE Academy of Natural Sciences of Philadelphia has conferred the Hayden Memorial Medal for 1920 on Professor Thomas Chrowder Chamberlin, professor emeritus of the University of Chicago, in recognition of his distinguished services to geologic science. This medal is presented every three years for distinguished accomplishments in geology or paleontology. It represents a memorial established by an endowment fund by Mrs. Emma W. Hayden in honor of her husband, Dr. Ferdinand V. Hayden, who was for many years director of the Geological and Geographical Survey of the Territories. The medal was first presented to James Hall, formerly state geologist of New York, in 1890, and has since been presented to

various distinguished geologists both in America and in Europe. In the opinion of the Committee on the Award, Professor Chamberlin's numerous and remarkable contributions to geologic science place him in a rank high among the others who have received the Hayden Memorial Medal.

DR. VICTOR C. VAUGHAN, of the University of Michigan, has been elected a member of the Institute of Medicine of Chicago.

PROFESSOR A. FOWLER, F.R.S., has been elected a corresponding member of the Paris Academy in the section of astronomy.

ON the occasion of the dedication of its new Agricultural Engineering Hall at University Farm on April 14, the University of Nebraska conferred the honorary degree of doctor of agriculture upon Roscoe W. Thatcher, dean of the department of agriculture and director of the agricultural experiment stations of the University of Minnesota, and the honorary degree of doctor of engineering upon Charles Rus Richards, dean of the college of engineering and director of the engineering experiment station of the University of Illinois. Dean Richards delivered the dedicatory address.

THE intimate international relationships with English and Continental laboratories held by the members of the nutrition laboratory of the Carnegie Institution of Washington, in Boston, Mass., which were interrupted by the war, are again to be resumed. Professor Walter R. Miles, of the department of physiological psychology of the Nutrition Laboratory, has recently left for an extended tour in European countries and for attendance at the International Congress of Physiology to be held in Paris in July.

DR. J. WALKER FEWKES, chief of the Bureau of American Ethnology, will return to the University of Texas in June to continue the work of archeological research begun last year. During Dr. Fewkes' former visit to Texas investigations were made of the Red Burnt Mounds extending from east of Austin westward beyond the New Mexico boundary.