

tory examination upon the principles of the common law and the practice of this state; or (2) is a regular graduate of the College of Law of the University of Nebraska." An arrangement has been proposed whereby academic students will be allowed to substitute sufficient work in the law department to make up for a year in academic work. In this way a student will be able to take the two degrees in six years. This system is now in use in Columbia and other eastern schools. As yet, no definite arrangement has been made in regard to this matter, but it is strongly favored by the law department. The present quarters of the law school will be at least double. Another room on the first floor of the main hall will be secured and the old chapel will probably be used for a law library. The hours of recitation will be shortened from ninety to forty-five minutes, and they will occur twice as often. The past year has witnessed a large measure of prosperous work, and the total attendance has amounted to 180, against 166 for the preceding year.

## Chemistry

The department of chemistry has done little outside of the ordinary daily routine of lecture and laboratory work. In the first place, the department has been greatly hindered for want of room. Laboratories were formerly taxed to their utmost capacity, but with the further addition of the prep chem students the laboratories have been more than crowded. But little graduate work is being done, owing to lack of funds, lack of room, and the small number of instructors. Recently two or three graduate students came back to work for their doctors' degrees, but were refused because of the above named conditions. However, Professor Nicholson is hopeful that some day the regents may see fit to provide more room and further equip his department.

## Sociology

The department of political economy and sociology is enjoying a season of thriving progress. Concerning the present condition of the department, Dr. Ross says: "The department of sociology in the library is becoming very strong. Soon our library will be completely equipped for studies in the history and development of sociology. During the past year many new books have been received, including a large amount of French, German, and Italian literature. The special library for the seminary in colonies and colonization has become very strong. The seminary work this year is the most satisfactory ever conducted. A large number of students are taking only the lectures in the course of the psychology of society. This leads me to believe that the culture value of sociology is being appreciated, and that students will be more and more loath to graduate without acquainting themselves with the results obtained

in this field." Dr. Ross has been invited to discuss the relations of sociology and history at a proposed joint meeting of the American Economic and American History associations, to be held at New Orleans next winter. He has received word that the Japanese translation of his "Social Control" will be a volume of four hundred and fifty pages octavo, and that it will be published soon.

## Geology

The geology department has added several new courses of instruction. Professor Barbour has offered, for the first time, a course for teachers, and Dr. Gordon has had charge of the new courses in petrography and geography of the world. Dr. Condra has conducted new courses in elementary mineralogy, general geography, and advanced geography, dealing with the geography of the United States with special emphasis on Nebraska. The work of the state survey has been continued, and the first report published. This book contains about 300 pages, and 200 figures and illustrations, together with plates and colored maps. A second report, dealing with bryozoa, is in the hands of the printer. The following publications have been put out by men in the department during the past year, explaining the results of special investigations, and appearing as pamphlets, bulletins or magazine articles: "Volcanic Ash in Nebraska Soils," "A New Form of Sand Crystals," "Fossil Fish of Nebraska" (discusses several entirely new forms found in the state in a good condition of preservation), "Progenitors of Birds," "New Species of Coal Measure Bryozoa" (describing twenty-one new species), "Rhombopora Lepidodendroides" (all of these species had been known, but only one was ever before described), "Old Platte Channel," "Ice Gorges of the Platte," and "Some Concretions of the Dakota Cretaceous." The following theses by J. P. Rowe and E. G. Woodruff were also prepared: "Some Montana Volcanic Ash Beds," "Geology of Cass County." The following papers were read before the January meeting of the Academy of Science, and will soon be published: "Productions of Flint Ballast in Nebraska," "Investigations on Sand and Gravel Industries of Nebraska," "Parasitism of Development of Hornblende," "The Pyroxenites of Ottawa County, Canada."

## Entomology

The entomology department has had more students during the past year than for some time in the past. The work for next year promises to be even more pressing, as three additional lecture courses, with the auxiliary laboratory and field work, will be added. The second year forestry students will be registered for forest entomology; the advanced agricultural students will have a one-hour course in economic entomology, and the advanced horticultural students a one-hour course in horticultural entomology. This year's farm class taxed the capacity of the laboratory on Wednesdays and it is expected that the next year's class will be much larger. The advanced students have been busy on technical work, but nothing is yet ready for publication. The department is so limited in space that very little can be used for work other than instruction. There will be no field work this summer on account of the small appropriation. It will even be difficult to keep up with the heavy correspondence which always piles up during the summer. No fungus will be sent to the farmers for grasshoppers and chinch-bugs, as has been customary in the past. In fact, all promises a good rest and preparation for next year.

## Physics

The enrollment this year has increased about 10 per cent over that of last year in the physics department, and the instruction force has been increased to meet the new needs, there being at present one professor, two assistant professors, one adjunct professor, and two instructors, besides a number of fellows and scholars. Ow-

ing to rapid growth, department work has been conducted in cramped quarters; but with the new physics building in contemplation the future appears flattering. The courses are changed from year to year to accommodate the advances along engineering lines, and a new course, intended primarily for those expecting to teach high school physics, has been added. Fifteen hundred dollars have just been expended in remodeling apparatus and equipments, and a new spectrometer and spectrophotometer recently purchased. During the past year scholarships in physics have been granted to our graduates in Colorado College, Chicago University, Michigan, and Kansas. One of our boys holding a fellowship here, secured a professional position in the University of Cincinnati, and two others go to Europe next year to take their doctor's degree in the University of Berlin. In regard to research work, a number of papers have appeared during the past year in the London Philosophical Magazine, and also in the Astro-Physical and other scientific magazines. In developments in liquefaction of gases, vacuum work, electricity there is a constant demand for new equipments, and courses are adapted to be in touch with the progress of the times.

## Zoology

There has been a slight increase this year in the enrollment in the department of zoology, making necessary long-required increase in the instructive force, which now consists of Dr. Ward, Dr. Wolcott, Dr. Lilly, Mr. Willard, two fellows, and one scholar. The number of courses has remained practically the same as last year, but the system has been much strengthened by the addition of new men on the teaching force. The equipments have been improved by the addition of a large amount of physiological apparatus, illustrations, models, and charts. Some individual research work has been done by Mr. Hargitt, in his study of the regeneration of certain marine forms. Miss Stringer has determined some valuable data on the life habits of fresh-water worms, and Mr. Brown has been working with parasites of the monkey, and been led to some interesting results. Other advanced students are engaged in research work of various kinds. In connection with the medical department, there have been very important changes. Human anatomy, bacteriology, and other subjects, have been added, along with equipments in the way of instruments and operating tables. At present, the quarters are temporary and scattered all over the campus; but this will be remedied before long. An enrollment of sixty is considered a good start, and since there are many students taking work with a medical course in view, a rapid growth is anticipated.

## Botany

Progress in the department of botany has been great, and prospects are even more favorable for next year. A larger number of students are now taking work in the department than was ever enrolled before, and especially have the number in advanced courses increased.

Dr. Clements has been promoted from adjunct professor to assistant professor, and Dr. F. O. Heald, professor from Parsons College, Iowa, has been appointed adjunct professor of plant physiology. Sheldon, Metcalf, and O'Gara have been called away, leaving the department short of men—a condition that seems to come to the department of botany every year; for no sooner does one of its men become well informed along any line of work than he is called away, either by other institutions or by the government. Professor Sheldon goes to West Virginia, and will draw a salary of \$1,800. Professor H. L. Shantz, from Colorado College, has been appointed to take Mr. Sheldon's place at the state farm. The addition of the forestry course is an outgrowth of the department of botany, and will furnish opportunities for a large number of Nebraska men. At least three students will be graduated (Continued on page 8.)

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