which the university laboratories have been unable to accomplish." The general sentiment of the board was that the Wistar Institute should maintain a small staff of investigators of the highest type and expend a large portion of its income in maintaining artists, modelers and other mechanical aids to investigation so that there will be unexcelled opportunity in the institute laboratories for men from other laboratories to come and finish their researches in a much more satisfactory manner than it is possible to do in their own laboratories.

The question of furnishing material to investigators was discussed and it was decided that this plan should be pursued whenever possible. The neurological committee appointed last year was instructed to take steps for the further organization of neurological research in this country and it was suggested that, perhaps, a subcommittee of active neurologists should be organized in this country to meet occasionally and discuss the problems in their subject.

The question of organizing a pathological institute similar to that maintained in the state of New York was brought before the board and its various phases discussed. A committee of three was appointed to consider the possibility of such an institution. This committee consisted of Drs. Donaldson, LeConte and Piersol.

A resolution was passed suggesting that the institute collect research material for the researches in comparative anatomy and embryology whenever opportunity presents itself.

THE EARTHQUAKE AT STANFORD UNIVERSITY.

THE injuries to Stanford University by earthquake of April 18 are, in brief, as follows:

1. Wreckage of the Memorial Church by the fall of the heavy spire, which crashed through the nave, the air blowing off the upper part of both ends of the church. The walls generally, of steel construction, are intact, but the building is ruined.

2. Wreck of the unfinished library. The great dome and its steel supports are unharmed, but their swaying completely wrecked the rest of the building.

3. Wreck of the new gymnasium, of brick faced stone.

4. Wreck of parts of the Art Museum which were made of brick faced with cement. The central part, of concrete strengthened by steel rods, is intact.

5. The Stanford residence in San Francisco, a huge wooden structure, heavily built, was not harmed by the earthquake, but is completely consumed by fire.

6. The inner quadrangle and engineering shops, of heavy masonry and one story high, are unharmed.

7. The outer quadrangle contains four large buildings reinforced by steel, the laboratories of zoology, botany and physiology, with the temporary library and the Assembly Hall. These are virtually unharmed.

8. The power house was wrecked by the tall stone chimney, which was snapped off like the lash of a whip.

9. The memorial arch had its upper part snapped off and is split almost to the base so that it is an entire wreck. This structure was of brick, reinforced with steel and faced with stone.

10. The chemistry building lost all its chimneys and is externally damaged by the fall of part of its stone facing. The building and its contents are little injured.

11. The four large buildings of the outer quadrangle, of brick unreinforced, and faced with stone, are somewhat damaged, the history building least, the incomplete mining building most.

12. Roble hall, women's dormitory, of concrete with steel wires, is absolutely unharmed except for the fall of two ornamental chimneys.

13. Encina hall, men's dormitory, a very large, finely built stone building, was injured by the fall of stone chimneys, one young man being killed. The building also has a serious crack in each of two corners, but is otherwise unharmed.

The wooden buildings on the grounds lost only chimneys and parts of plastering. No injury was done to books and very little to apparatus or collections. The working part

of the university as distinct from its architectural effects is little harmed. The most effective part of its architecture, the inner arcades with their Spanish arches and towers, is wholly undisturbed.

D. S. J.

REPORT OF THE STANFORD UNIVERSITY ENGINEERS ON THE INJURIES TO THE CLASS ROOMS AND LABORATORIES FROM THE EARTHQUAKE OF APRIL 18, 1906.

AFTER a careful examination of the buildings used for university purposes, including Roble and Encina Halls, we find that the damage from the recent earthquake is much less than was anticipated.

The buildings of the inner quadrangle, the one-story buildings of the outer quadrangle (with one exception), the zoology building, the physiology building, the assembly hall, the library, the old engineering building, the machine shop, the foundry and the mechanical laboratory are substantially intact and can be used after a few minor repairs.

The four corner two-story buildings and the small one-story physics building of the outer quadrangle, the forge shop, the woodworking shop and the chemistry building will require partial rebuilding of some of the walls.

In Encina Hall the south walls of the east and west wings will require partial reconstruction, also those portions injured by the two falling stone chimneys. The fall of one of the chimneys, which tore through the floors to the basement, caused the death of one student. Aside from the damage noted above the building as a whole is uninjured and perfectly safe.

The damage to Roble Hall is confined to the two holes torn in the floors by the falling chimneys. The remainder of the building shows practically no evidence of having passed through an earthquake.

In the opinion of the committee, such of the buildings mentioned above as are necessary for carrying on the university work can easily be made ready for occupancy and safe use in time for the opening of the university on August 23.

Our full and detailed examination of the buildings from foundation to roof shows that the actual damage to their stability is less than might be inferred from external appearances.

Signed by the committee:

CHARLES B. WING, structural engineer,
WILLIAM F. DURAND, mechanical engineer,
ARTHUR B. CLARK, architect,
CHARLES E. HODGES, architect,
CHARLES D. MARX, civil engineer, *ch'man.*

SCIENTIFIC NOTES AND NEWS.

AT the Washington meeting of the American Physical Society it was decided to hold the next meeting in Ithaca, N. Y., in conjunction with the meeting there of the American Association for the Advancement of Science, beginning on June 29. At this time also the new physical laboratory of Cornell University, which has just been completed, will be formally dedicated.

THE additional appropriation of $5,000 for the agricultural experiment stations, provided by the Adams bill, has now been paid. This bill increased the present appropriation of the agricultural stations under the Hatch and Morrill acts by $5,000 for the year ending next June, and by an additional $2,000 annually above the amount of the preceding year for the next five years. At the end of the five years this will amount to an increase of $15,000, bringing the total appropriation to each experiment station to $30,000 annually. The funds are to be applied only to paying the necessary expenses of conducting original researches or experiments bearing directly on the agricultural industry of the United States, with due regard to the varying conditions and needs of the states in which the stations are located.

THE *Osservatore Romano* officially announces that the Rev. John George Hagen, director of the observatory at Georgetown University, is in Rome and will be appointed director of the Vatican Observatory.

PROFESSOR FLORIAN CAJORI, dean of the Engineering School and professor of mathematics in Colorado College, has recently been elected a member of the Italian Mathematical Society —Circolo Matematico di Palermo. Professor Cajori has about finished his researches on