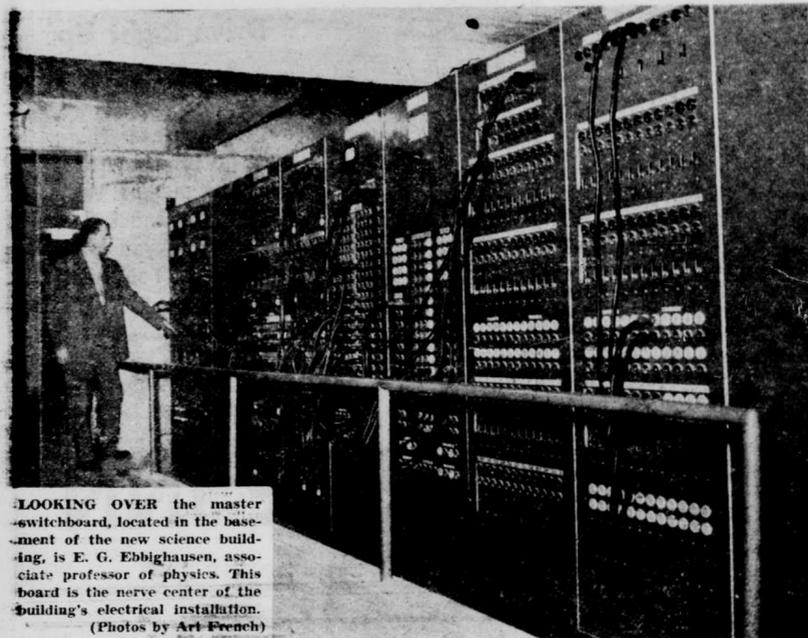
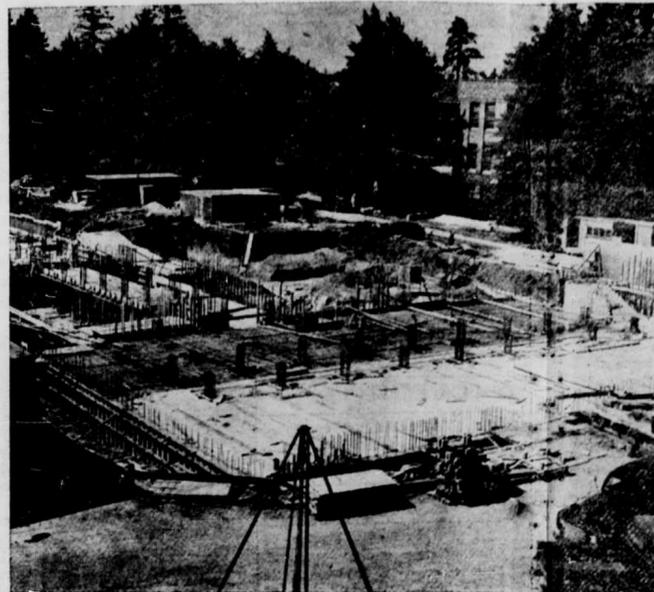


New Science Building: The Physical Plant Catches Up with the Curriculum

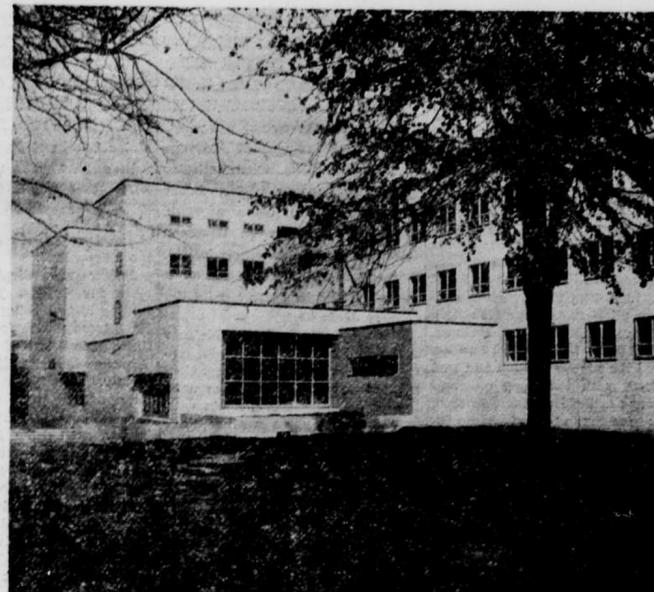
A Confusing Electrical Maze



LOOKING OVER the master switchboard, located in the basement of the new science building, is E. G. Ebbighausen, associate professor of physics. This board is the nerve center of the building's electrical installation. (Photos by Art French)

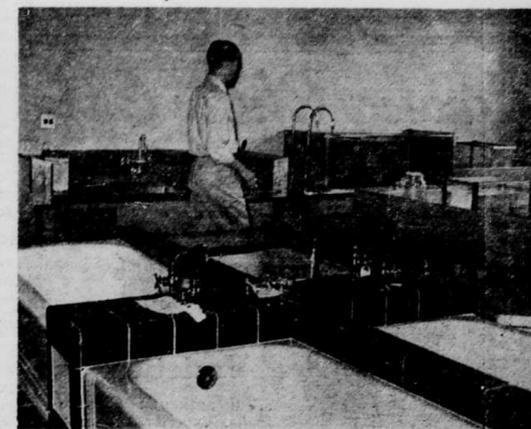


THE SCIENCE BUILDING looked like this (left) in the summer of 1950 after the foundations had been



Construction was begun in April of that year. Now the building, completed except for landscaping, looks like this, (right) seen from the side-walk approach, looking northeast.

Bathtubs for the Frogs



LIVE FROGS are stored in the bathtubs in the foreground, for use in lab demonstrations. Fish are kept in many small aquariums similar to the one on the right, against the back wall. The tubs and aquariums are so arranged that water is continually flowing in and out of them.

New Science Building Sans Odors; Has Other Features Including Telescope, Kitchens, Pastel Aquatic Bathtubs

By Harriet Walrath
They thought of everything in designing the Science building—they've even gotten rid of the usual smells!

The University's new \$1,600,000 structure circulates super-fresh air all over the building and takes the old, smelly air out through ventilators on the roof.

Also on the roof is a telescope. It is the first the University has owned and with the placing of this instrument, equipment is complete for teaching astronomy.

Not Dry Sessions
Seminars in the new Science building won't be the old dry sessions that they used to be. Concealed behind doors in the seminar room is a kitchenette, complete with stove, sink and cupboards for making coffee and other goodies.

The main part of the physics department, located in the basement, holds among other things the spectroscopic lab under the direction of S. Y. Ch'en associate professor of physics. In room 8 today Ch'en will conduct experiments showing why the sky is blue and what causes a sunset. Times for the demonstrations are 4:10, 5:10, and 10:10 p.m. today and 5:10 p.m. Saturday.

One of the machines in the lab, the micro-photometer, was built by H. D. Osborn, physics department technician, at ch'en's suggestion.

Commercially it would have cost the University more than \$5000, but actually cost only about \$1000, Ch'en said.

The main lecture room is an amphitheater and contains a projection booth, complete lab for class, room demonstration and an asbestos fire wall that can be dropped to isolate the fire.

Showers are placed in the doorways of all chemistry labs for immediate use in case of spilled acid or an explosion. A machine that makes chipped ice will eliminate the need for making it by hand with an ice pick for experiments.

In the genetics research lab on third floor, two constant temperature rooms have been installed for the breeding of fruit flies, under the direction of C. W. Clancy, associate professor of biology. The lab also contains a room for storage and preparation of food for the flies.

The Animal Room
The interesting third floor also contains animal rooms with everything from tropical fish to white rats. There are dissecting rooms and kitchens for preparation of food for the animals.

Across the halls from the two large chemistry labs on first and second floors are their storage rooms. These are complete with shelves, chemical benches and a back entrance to the elevator.

This elevator is different from the rest of the elevators on campus. It takes a key to call the elevator and a key to operate. Students will use the stairs.

All through the building are research labs for graduate students and professors in chemistry, physics, and the biological sciences.

Offices are arranged in two ways. Some professors prefer to have the lab back of their office while others like it the other way around.

Blackboards are placed at various spots on the hallways. This makes it handy for graduate students or instructors to answer questions of passing students.

Lighted bulletin boards with glass doors that lock and show cases are also in abundance.

The new building is complete even to the incinerator for burning waste biological products. The chemistry department has waited 30 years for this building, but they feel that it was worth waiting for.



S. Y. CH'EN, associate professor of physics, watches while graduate student Ted Wisniewski conducts a spectroscopy experiment in one of the physics laboratories.



A CLASS IN ZOOLOGY, assembled in the largest lecture room in the new building—it seats 200—with left-handed desks for southpaw students. Listens to a lecture by R. E. Huestis, professor of zoology. This is one of the lecture rooms equipped with left-handed desks for southpaw students.

Designer Expert on Old Coaches

By Noreen Johnson
Versatile Ivan Collins, designer of the details and fixtures in the new Science building, is one of the rare people who is an expert on models of Colonial horse-drawn coaches and is an authority on this type of early transportation.

Collins has done work on this line in the Smithsonian institute and was the object of a feature in Life magazine. He has written a book on the history of horse-drawn carriages.

Has 46 Models
At present Collins has 46 models and has spent 16 years in making the 1/4 scale models in detail. His ambition is to complete 100 different models closely covering the field. His models include wagons, a horse-drawn fire ladder truck,

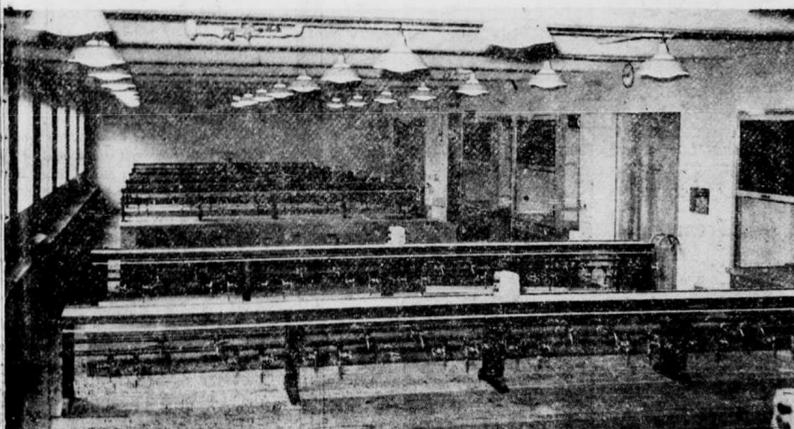
two gas generating wagons which are models of those used in the Civil War, covered wagons and railroad express wagons.

The way in which Collins goes about getting his material for these projects is painstaking. He finds a large true-to-life model and takes many pictures of it from all angles. From the photos he makes detailed drawings of the wagons.

Talks to the Boys

He also talks to old-time carriage makers and learns their techniques so that it will enable him to take shortcuts in his work. Then he goes to work on the tiny models.

Collins used to be group supervisor in the engineering experimental department for Lockheed Aeroplane company in Los Angeles before he was employed here



THIS IS one of the large chemistry laboratories. About 50 students can work at one time in this room.

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