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Cutlines from MSU Health Sciences Building Story

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1. The lamp of learning burns long hours in the MSU Health Sciences building, where instruction and research in the life sciences are carried on without arbitrary interruptions by the clock.

2. Dr. Robert S. Hoffmann, left, of the zoology faculty, and Dr. P. L. Wright, department chairman, inspect some new specimens in the bird and mammal museum that houses a collection of almost 10,000 specimens from all over the world. The graceful bird dominating the scene is a whistling swan. (Photo by Ingvard Eide)

3. Dr. Carl L. Larson, director of the Stella Duncan Memorial Institute, draws a blood sample from a chicken for use in immunological tests. Dr. Larson is working to perfect a vaccine that will give immunity to tuberculosis without producing sensitivity.

4. Mary Beth Baker, Missoula, institute lab technician, and Dr. Larson look for a delayed skin reaction in a guinea pig that has been immunized against TB.

5. This gadget is not a golf-ball washer but an incubator that enables experimenters to cut windows in the shells of hen eggs and observe the chick embryo at every stage of development. The procedure is used by students in a course in experimental embryology taught by Dr. Ludvig G. Browman.

6. John Passmore, a graduate student from Monida, fuses two frog embryos to form Siamese twins. This is an operative technique for future experiments to demonstrate the interaction of various treatments of one member of the pair on the development of the other.

(more)
7. Dr. James R. Templeton (in white coat at left) helps a student in his class in human physiology. The class is studying enzymes involved in human digestion.

8. Dennis Lehmkuhl, Onida, S. D., graduate student, measures the contractions of the removed intestine of a white rat, using a muscle warmer (the beaker with the tube inside) and a kymograph. The latter device measures the contractions and records them on the revolving drum.

9. Richard Johnson, who is doing graduate work on a National Science Foundation fellowship, operates a constant-flow analyzer. The machine measures the amount of oxygen consumed by a white tailed ptarmigan (inside the chamber), a bird found in Glacier National Park. This information will contribute to the understanding of the ptarmigan's adaptation to the alpine environment of the park.

10. Pat Carney, Boise, Idaho, shows an intense interest in a piece of log that is home to a colony of carpenter ants. His project as a candidate for the Ph. D. degree is a study of the life cycle of the liver fluke, conducted under the direction of Dr. William B. Rowan. The ants under scrutiny carry the liver fluke in its larval stage. Birds become infected by eating the ants. At a still earlier stage, the parasite inhabits a snail.

11. Richard Russell, left, a Missoula senior, helps Dr. Royal Bruce Brunson set up an exhibit of mollusk shells for use in classroom instruction and for display in a hall case.

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