

Johns Hopkins University Medical School

The Medical School is an Integral Part of the University and is in the Closest Affiliation with the Johns Hopkins Hospital.

ADMISSION

Candidates for admission must be graduates of approved colleges or scientific schools with at least two years' instruction, including laboratory work in chemistry, and one year each in physics and biology, together with evidence of a reading knowledge of French and German.

Each class is limited to 75 students, men and women being admitted on the same terms. Except in unusual circumstances, applications for admission will not be considered after July 1st.

If vacancies occur, students from other institutions desiring advanced standing may be admitted to the second or third year provided they fulfill our requirements and present exceptional qualifications.

INSTRUCTION

The academic year begins the Tuesday nearest October 1, and closes the second Tuesday in June. The course of instruction occupies four years and especial emphasis is laid upon practical work in the laboratories, in the wards of the Hospital and in the dispensary.

TUITION

The charge for tuition is \$800 per annum, payable in three installments. There are no extra fees except for rental of microscope, certain expensive supplies, and laboratory breakage.

The annual announcement and application blanks may be obtained by addressing the

Dean of the Johns Hopkins Medical School,
Washington and Monument Sts., Baltimore, Md.

Summer Work for Graduates in Medicine

Beginning Monday, June 2d, and ending Saturday, July 12th, a course in medical diagnosis, including laboratory exercises in clinical pathology and demonstrations in pathological anatomy, will be offered. The course will be limited to thirty students, fee \$100. Applications should be made to the Dean's Office.

School of Medicine Western Reserve University

of Cleveland, Ohio

HIGH STANDARD OF ADMISSION*

RESTRICTED CLASSES

THOROUGH INSTRUCTION

LARGE CLINICAL FACILITIES

HIGH STANDARD OF SCHOLARSHIP

The 1924-25 session will open in the new medical building.

* Admission confined to students having academic degrees and to Seniors in Absentia.

For information address:

THE REGISTRAR

1353 E. 9TH ST.

CLEVELAND, OHIO

YALE UNIVERSITY School of Medicine

Affiliated with the New Haven Hospital
and New Haven Dispensary

112TH SESSION

Reorganized on a full-time basis

Entrance Requirements: A minimum of three years (or its equivalent) of college including general biology, physics, general and organic chemistry, qualitative analysis, physical chemistry or laboratory physics, and either French or German.

ALL THE GENERAL FACILITIES OF THE UNIVERSITY ARE AVAILABLE TO MEDICAL STUDENTS

As the number admitted to each class is limited, applications must be made before July 1.

Dean, Yale University School
of Medicine

NEW HAVEN, CONN.

BOSTON UNIVERSITY SCHOOL OF MEDICINE



ORGANIZED IN 1873

ANNOUNCEMENT

may be obtained by application to

WESLEY T. LEE, M.D., Registrar

80 East Concord Street,

Boston,

Massachusetts.

Stanford University California

Summer Quarter, 1924

Tuesday, 24 June, to Saturday, 30 August
Second half begins 28 July

Opportunities to work for the A. B. and for higher degrees, or to do special work, in the oceanic climate of the San Francisco peninsula.

Courses in the regular academic and scientific branches, and in law.

Information from Office 53,

STANFORD UNIVERSITY
CALIFORNIA

Marine Biological Laboratory Woods Hole, Mass.

INVESTIGATION Entire Year

Facilities for research in Zoology, Embryology, Physiology, and Botany. Eighty-four private laboratories \$100 each for not over three months. Thirty tables are available for beginners in research who desire to work under the direction of members of the staff. The fee for such a table is \$50.00.

INSTRUCTION July 2 to August 12, 1924

Courses of laboratory instruction with lectures are offered in Invertebrate Zoology, Protozoology, Embryology, Physiology and Morphology and Taxonomy of the Algae. Each course requires the full time of the student. Fee, \$75.00.

SUPPLY DEPARTMENT Open the Entire Year

Animals and plants, preserved, living, and in embryonic stages. Preserved material of all types of animals and of Algae, Fungi, Liverworts and Mosses furnished for classwork, or for the museum. Living material furnished in season as ordered. Microscopic slides in Zoology, Botany, Histology, Bacteriology. Catalogues of Zoological and Botanical material and Microscopic Slides sent on application. State which is desired. For catalogues and all information regarding material, address:



GEO. M. GRAY,
Curator, Woods Hole, Mass.

The annual announcement will be sent on application to The Director, Marine Biological Laboratory, Woods Hole, Mass.

SMITHSONIAN INSTITUTION

THE WALTER RATHBONE BACON SCHOLARSHIP

The Secretary of the Smithsonian Institution has approved the rules which are to regulate the award of the Walter Rathbone Bacon Scholarship for the study of the fauna of countries other than the United States of America. The amount available is the interest on the capital invested (about \$2,400 a year) the incumbent to hold the scholarship not less than two years.

Applications for this scholarship, addressed to the Secretary of the Smithsonian Institution, should be submitted not later than June 1, 1924. The application should contain a detailed plan for the proposed study including a statement as to the faunal problems involved; the reasons why it should be undertaken; the benefits that are expected to accrue; the length of time necessary for the carrying out of the project; the estimated cost; and the scientific and physical qualifications of the applicant to undertake the project.

The scholarship will be awarded for a term of two years. If at the expiration of the term it is desired to extend the time, the incumbent shall make application a sufficient time in advance, accompanied by a statement as to the necessity for such extension.

All collections, photographs, records and equipment become the property of the Institution.

The incumbent shall not engage in work for remuneration or receive salary from other sources than the Institution or its branches during the period of this occupancy of the scholarship.

For any further information, address the Secretary, Smithsonian Institution, Washington, D. C.

Carnegie Institution of Washington

Recently Issued

- Year Book No. 22 (Nov. 1, 1922, to Oct. 31, 1923). Octavo. 400 pp., 7 figs. \$1.00
248. Vol. IV. N. L. Britton and J. N. Rose. The Cactaceae. Descriptions and Illustrations of Plants of the Cactus Family. Quarto. 324 pp., 37 pls. (28 colored), 263 figs. \$18.00 (Cloth, \$19.00).
329. Davenport, C. B. Body-Build and its Inheritance. Octavo. 182 pp., 9 pls., 53 figs. \$2.75
338. Miles, W. R. Alcohol and Human Efficiency: Experiments with Moderate Quantities and Dilute Solutions of Ethyl Alcohol on Human Subjects. Octavo. 308 pp., 51 figs. \$3.00
334. James, H. G. The Constitutional System of Brazil. Octavo. 276 pp. \$2.50
335. Lothrop, S. K. Tulum: An Archaeological Study of the East Coast of Yucatan. Quarto. 186 pp., 27 pls. (7 colored), 182 figs. \$4.50
338. Stock, Leo. Proceedings and Debates of the British Parliament respecting North America. Vol. I, 1542 to 1688. Octavo. 535 pp. \$3.50

The publications of the Institute now number over 475 volumes, the subjects including Anatomy, Archaeology, Astronomy, Botany, Chemistry, Climatology, Economics and Sociology, Embryology, Engineering, Folk-Lore, Genetics, Geology, History, International Law, Literature, Mathematics, Medicine, Nutrition, Palaeontology, Palaeography, Philology, Physics, Terrestrial Magnetism, Zoology.

Orders for publications should be addressed to your bookdealer or to

Carnegie Institution of Washington, Washington, D. C.

Publications of
The Philippine Bureau of Science

AMPHIBIANS AND TURTLES OF THE PHILIPPINE ISLANDS. By E. H. Taylor. 193 pages, 17 plates, and 9 text figures; postpaid, \$1.00.

THE SNAKES OF THE PHILIPPINE ISLANDS. By E. H. Taylor. 316 pages, 37 plates, and 32 text figures; postpaid, \$2.50.

THE LIZARDS OF THE PHILIPPINE ISLANDS. By E. H. Taylor. 272 pages, 23 plates, and 53 text figures; postpaid, \$2.50. In press.

VEGETATION OF PHILIPPINE MOUNTAINS. By W. H. Brown. 434 pages, 41 plates, and 30 text figures; postpaid, \$2.50.

INDEX TO THE GENERA OF BIRDS. By R. C. McGregor. 185 pages; postpaid, \$1.00.

SPECIES BLANCOANAE. By E. D. Merrill. 424 pages; postpaid, \$2.25.

AN INTERPRETATION OF RUMPHIUS'S HERBARIUM AMBOINENSE. By E. D. Merrill. 596 pages, 2 maps; postpaid, \$3.00.

THE PHILIPPINE JOURNAL OF SCIENCE, a monthly (no longer issued in sections), per year, \$5.00.

A list of the publications of the Philippine Bureau of Science and a sample copy of the Philippine Journal of Science will be sent upon request.

Subscriptions and orders for publication should be sent to

THE BUSINESS MANAGER

Philippine Journal of Science

Bureau of Science,

Manila, P. I.

Dr. MÜLLER'S
X-RAY
SPECTROGRAPH

For analysis of crystals and powders,
determination of wavelengths and
end radiations, etc.

Full particulars on application
to the makers:

ADAM HILGER LIMITED

75a CAMDEN ROAD

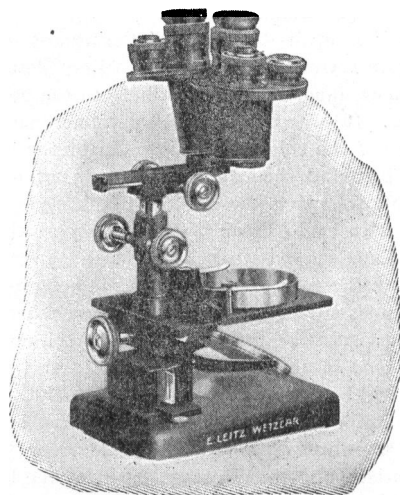
LONDON, N.W. 1

ENGLAND

We invite you to come on our mailing list.

LEITZ
Ore-Dressing Microscope

After Prof. H. Schniederhoehn



This microscope is most useful inasmuch as it is constructed to serve in an ideal manner for the determination and calculation of ore-dressing products. Being a microscope for binocular vision it renders a stereoscopic effect combined with an extremely large field and long working distance between specimen and objectives.

The equipment includes three pairs of oculars through which the microscope is available for magnifications of 10, 15 and 20x. The oculars are mounted to a rotating disc and afford an immediate interchange from one magnification to another. For measuring and counting of grains six grid-micrometers, ruled in squares of 1.0, 0.60, 0.50, 0.25, 0.10 and 0.075 mm., corresponding to the sieves used in sifting the material, are furnished with the instrument. These micrometers are inserted into the oculars.

A dish-shaped stage permits the fragments to be examined immersed in water; the bottom of the dish has a ruled square of 5 cm. x 5 cm., this being subdivided into 25 smaller squares of 1 x 1 cm., thereby facilitating the counting of grains.

The microscope is equipped with three rack- and pinion-movements; one controls the forward and backward motion of the microscope tubes, another the sideward motion of the stand to the microscope stage and the third controls the focus to the specimen.

Aside from counting and controlling ore-dressing products, the microscope is available for the stereoscopic examination of coarse specimens of crude material by removing the microscope stage and placing the specimen directly upon the microscope base.

Microscope, complete, as described, in wooden cabinet with lock and key \$185.00
Code word: MESTURABA.

Discount to Educational Institutions and Hospitals.

Write for Pamphlet No. 0-1046.



General Distributing Agents for Canada:

THE J. F. HARTZ CO., Ltd., Toronto, Canada.

Agents for Western States—California, Washington, Oregon, Idaho, Utah, Montana and Arizona:

SPINDLER AND SAUPPE,
86 Third Street, San Francisco, Cal.