

TABLE SHOWING NUTRIMENTS IN FOOD ACTUALLY EATEN PER MAN PER DAY.

	Protein.	Fat.	Carbo- hydrates.	Fuel value.
DIETARY STUDIES OF UNIVERSITY BOAT CREWS.				
	<i>Grams.</i>	<i>Grams.</i>	<i>Grams.</i>	<i>Calories.</i>
Harvard University crew at Cambridge (No. 227).....	162	175	449	4,130
Harvard Freshman crew at Cambridge (No. 228).....	153	223	468	4,620
Yale University crew at New Haven (No. 229).....	145	170	375	3,705
Harvard University crew at Gales Ferry (No. 230).....	160	170	448	4,075
Harvard Freshman crew at Gales Ferry (No. 231).....	135	152	416	3,675
Yale University crew at Gales Ferry (No. 232).....	171	171	434	4,070
Captain of Harvard Freshman crew (No. 233).....	155	181	487	4,315
Average.....	155	177	440	4,685
SUMMARIZED RESULTS OF OTHER DIETARY STUDIES.				
Football team, college students, Connecticut.....	181	292	557	5,740
Football team, college students, California.....	270	416	710	7,885
Professional athlete, Sandow.....	244	151	502	4,460
Prize fighter, England.....	278	78	83	2,205
Average of 15 college clubs.....	107	148	459	3,690
Average of 14 mechanics' families.....	103	150	402	3,465
Average of 10 farmers' families.....	97	130	467	3,515
Average of 24 mechanics' and farmers' families.....	100	141	429	3,480
Average of 14 professional men's families.....	104	125	423	3,325
DIETARY STANDARDS.				
Man with moderate muscular work, Voit.....	118	56	500	3,055
Man with moderate muscular work, Playfair.....	119	51	531	3,140
Man with moderate muscular work, Atwater.....	125	3,500
Man with hard muscular work, Voit.....	145	100	450	3,370
Man with hard muscular work, Playfair.....	156	71	568	3,630
Man with hard muscular work, Atwater.....	150	4,500
Man with severe muscular work, Playfair.....	185	71	568	3,750
Man with severe muscular work, Atwater.....	175	5,700

LAKE LABORATORY OF THE OHIO STATE UNIVERSITY.

THE Lake Laboratory of the Ohio State University was established under the direction of the late Professor D. S. Kellicott, for the especial purpose of providing opportunity for investigation of the biology of the lake region, and investigations have been carried on each summer since its establishment except for the summer of 1898, when the death of Professor Kellicott interrupted the work. It has now been determined to add to the original purpose the provision for giving certain courses of instruction and to combine work of the departments of botany and zoology. The following statements concerning the plans for the summer of 1900 are made for the benefit of those who may wish to work at the laboratory, either in independent investigations or in connection with the courses of instruction offered.

The staff includes the regular instructors in

the departments of Botany, Zoology and Entomology.

HERBERT OSBORN, Professor of Zoology and Entomology, *Director*.

W. A. KELLERMAN, Professor of Botany.

JAMES S. HINE, Assistant Professor of Entomology.

J. H. SCHAFFNER, Assistant Professor of Botany.

F. L. LANDACRE, Assistant in Zoology.

The laboratory is located close to the waters of Sandusky Bay, which teem with animal and plant life, while extensive marshes, the river, native forest, beach and lake are all within easy reach. Put-in-Bay with the United States Fish Hatchery, Kelley's Island with its glacial grooves, and other points of natural interest are easily reached by excursions and will be visited in collecting or special trips. The fishing industry centering at Sandusky, affords special opportunity for study and investigation in ichthyology.

The laboratory is housed in the former State Hatchery building which has been arranged with tables, dark room, aquaria, etc., and is supplied with microscopes and other apparatus from the university. Boats, collecting apparatus, dredges, seines, etc., are well supplied and special attention will be given to the methods of collecting and field work.

The courses of instruction will open July 2d, and run eight weeks. Five days each week will be devoted to regular exercises and one day left open for individual or special excursions.

Following the plan which has been in operation for several years past, the laboratory will be open to properly qualified persons who may desire to engage in investigations of biological problems pertaining to the life of the locality. No fees will be charged and table room, use of ordinary reagents, boats, aquaria, etc., will be supplied, subject only to such provisions as may be necessary to make the facilities equally available to all. Each investigator will be expected to furnish his own microscope, cutting instruments, and special apparatus or reagents needed in his investigation unless otherwise arranged.

The laboratory will be open for investigators from June 15th to September 15th. Applications for table room should be made as early as possible with indication of the time during which space will be desired.

SCIENTIFIC NOTES AND NEWS.

THE bill for the establishment of a government biological station on the coast of North Carolina has become a law. The sum of \$12,500 is appropriated for the construction and equipment of the station, which, it is understood, will be located on Beaufort Harbor.

THE Senate Committee has made a report on the Nicaragua Canal bill, favoring the provision by Congress of money to construct the canal after having secured authority from Nicaragua. The proposition to buy the works by the French on the Panama route was rejected.

THE House Committee has submitted a favorable report on the measure now before Congress

designed to prevent the adulteration, misbranding and imitation of foods and drugs. The bill would create a chemical bureau under the U. S. Department of Agriculture.

A COMPLIMENTARY dinner was given on May 15th to Professor Wilder D. Bancroft, of Cornell University, by his associates and pupils in the department of physical chemistry. The occasion was the fifth anniversary of the inauguration of the department. Speeches were made by Professor E. L. Nichols, Professor J. E. Trevor, and others; and many messages of congratulation were received from friends and old associates of Professor Bancroft in other universities.

PROFESSOR C. A. YOUNG, director of the Hasted Observatory, Princeton University, will give a commencement oration at Western Reserve University. Professor Young was professor at Western Reserve University before going to Dartmouth and Princeton. During the commencement there is to be an informal opening of the new telescope, which has been given to the university by Mrs. W. R. Warner and Ambrose Swasey, of Cleveland.

DR. EDUARDO WILDE, the new minister to the United States from Argentina, was formerly minister of Public Instruction and is known for his studies in yellow fever.

MR. W. E. D. SCOTT, curator of the ornithological collections of Princeton University, has returned from a visit abroad where he has been studying the ornithological collections in London and Paris with a view to his monograph on the Patagonian birds collected by Mr. J. B. Hatcher.

A DINNER was given in London on April 28th to Sir W. MacCormac and Mr. Trevors to celebrate the occasion of their return from South Africa.

JAMES M. CONSTABLE, Vice-President of the American Museum of Natural History, died on May 12th, at the age of eighty-eight. Mr. Constable was born at Stonington, Sussex, England, but came to New York in 1836.

THE death is announced at the age of 77 years of Professor Wenzel Hecke, formerly a