

The Knowledge Bank at The Ohio State University
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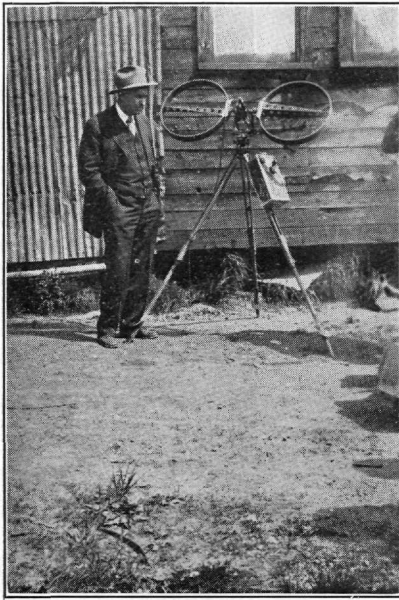
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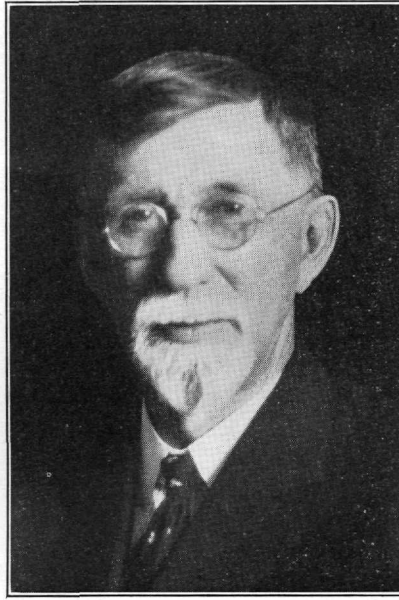
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OUR DEPARTMENTAL CHIEFS



PROF. WM. J. MCCAUGHEY



PROF. JAMES E. BOYD



PROF. H. W. KUHN

DEPARTMENT OF MINERALOGY

The Department of Mineralogy extends a friendly greeting to the freshmen in the College of Engineering and wishes that the coming year will be the first of a series of interesting and instructive experiences at the University.

The State of Ohio has provided an opportunity for each of you to acquire that special knowledge and technique that will make you efficient engineers and which will provide you with more and greater opportunities. The coming four years in college should instill in you an enthusiasm and a desire to extend and to broaden this knowledge and training.

The Department of Mineralogy gives instruction in crystallography and mineralogy to students majoring in the fields of chemical, ceramic, mining, and metallurgical engineering. Perhaps you would like to know in what way the study of mineralogy or mineral technology is related to these special fields. The offices and laboratories of the department are in Lord Hall and the staff is ready to help, whether it be to identify a mineral or to discuss your problems.

Wm. J. McCaughey.
Arthur M. Brant.

DEPARTMENT OF MECHANICS

Every student in the College of Engineering must take Mechanics. Most of the courses require three quarters of five hours each; the others require two quarters. The subject is elected by a few students from other colleges and from the Graduate School who are preparing to teach Mathematics or Physics.

In order to pursue this study efficiently a thorough working knowledge of elementary Mathematics is essential. Arithmetic, algebra, and trigonometry are used daily. For some portions of the subject calculus is indispensable, and analytics and geometry have important applications.

The freshmen in some of the courses will begin mechanics in the spring of 1930 and the others in the autumn of that year. You should start your preparation now by thoroughly mastering each lesson in mathematics. Review frequently all the mathematics which you have studied, from the course which you are taking back to arithmetic. Learn the multiplication table so that you can reduce inches to feet without the use of long division. Learn percentage so well that you will not say that one hundred is twenty per cent greater than eighty, because eighty is twenty per cent smaller than one hundred. If you begin Mechanics with the ability to pass an examination on any course of mathematics which you are supposed to have studied, and with a live interest in the principles of physics, we promise you an enjoyable time with plenty of wholesome intellectual exercise.

J. E. Boyd.

DEPARTMENT OF MATHEMATICS

The members of the Department of Mathematics extend a cordial welcome to all freshmen in the College of Engineering, and hope that your work in this college will fit you to render a high type of service to society. To much of the work which you will do during your four years in college the freshman and sophomore courses in mathematics are of fundamental importance. The members of our teaching staff will put forth their best efforts to help you in every proper way to learn the subject matter of these courses, and we feel sure that you will put forth your best efforts to learn this subject matter thoroughly. Your instructors will also welcome the opportunity to know you well, to become your friends, and to discuss with you your aspirations and your problems. I cordially invite you to give them this opportunity.

H. W. Kuhn.

OUR DEPARTMENTAL CHIEFS



PROF. THOS. E. FRENCH

DEPARTMENT OF ENGINEERING DRAWING

To the Freshman Engineers:

While you have all come in contact with the Department of Engineering Drawing, this is a personal greeting from Room 204 in Brown Hall, where you will find a welcome whenever you come in.

You have already learned that engineering drawing is one of the fundamental subjects in your course, that it is the language of the industries which you are learning to read and write so that you can express your ideas graphically. You have found out that learning drawing is not merely learning how to draw, that is only incidental, but that you are developing your constructive imagination, your ability to think in three dimensions, your power of visualization; and we hope you will find the subject not only valuable but fascinating.

This is a "service department." Professors Meiklejohn, Williams, Field, Paffenbarger, Russ, McManigal, Cooper, Jones, Lutzenberger, Brittingham, Edmondson, all men of experience and skill in drawing, are here to help you. They're fine fellows, and I should like to have you know them all. These men—and we should added Tuta, Kuivinen and Henderson, as well as Miss Harrison—are human and sympathetic; and while you chat with them about drawing you may find incidentally that they know something about other things in which you may be interested, like radio or literature or aviation or athletics or psychology or dogs. After you leave college you will find that some of your pleasantest recollections will be connected with your personal acquaintance with your instructors. As future leaders in American industry we want to know you personally.

Thomas E. French.



PROF. ALPHEUS W. SMITH

DEPARTMENT OF PHYSICS

To Our Freshman Engineers:

We welcome you to the College of Engineering—the opportunity to prepare for a place in our complex industrial and intellectual life. You must be reminded again and again that you are not preparing for the present or for the immediate future but you are laying a basis for a period of intellectual growth which should extend over the next half century. Those factors in your programs are important which guarantee that this intellectual growth be continuous. Subjects in the curricula, methods of study, and conditions of work and living are significant only in so far as they insure for you a rapid and uninterrupted intellectual growth over a long period. Our worst tragedies are those which terminate intellectual lives in their infancy. If you are to protect yourselves against such tragedies, you must not be content to assimilate what others have discovered or even to equip yourselves to assimilate what others shall discover later. You must prepare to hand on the torch of scientific truth, shining with new brightness. You must prepare for a life of scientific growth in which new vistas open up each year. There can be nothing static about it. Now is your opportunity to make that preparation. Will you grasp it?

Alpheus W. Smith.

A. S. M. E. NATIONAL MEETING

The A. S. M. E. is making preparations for its national meeting which is always held in New York City. Four thousand members are expected to attend the convention, which meets during the first week of December. The A. S. M. E. is a national and international organization having members all over the world. While in New York City the local representatives to the convention will have the opportunity of visiting the million-a-half-dollar home of the A. S. M. E.