

SCIENCE

A Weekly Journal devoted to the Advancement of Science, publishing the official notices and proceedings of the American Association for the Advancement of Science, edited by J. McKeen Cattell and published every Friday by

THE SCIENCE PRESS

11 Liberty St., Utica, N. Y. Garrison, N. Y.
New York City: Grand Central Terminal

Annual Subscription, \$6.00 Single Copies, 15 Cts.

Entered as second-class matter January 21, 1922, at the Post Office at Utica, N. Y., Under the Act of March 3, 1879.

VOL. LVI SEPTEMBER 8, 1922 No. 1445

CONTENTS

<i>Common Aims of Culture and Research in the University:</i> DR. JOHN C. MERRIAM.....	263
<i>The World's Supply of Iodine in Relation to the Prevention of Goitre:</i> PROFESSOR J. F. McCLENDON	269
<i>International Meeting of Chemists at Utrecht</i>	270
<i>Scientific Events:</i>	
<i>The Royal Sanitary Institute; The French Dye Industry; Good Roads Scholarship; The Association of Iron and Steel Electrical Engineers</i>	272
<i>Scientific Notes and News</i>	274
<i>University and Educational Notes</i>	278
<i>Discussion and Correspondence:</i>	
<i>Relief for Russian Astronomers:</i> DR. EDWIN B. FROST. <i>Botulinus Toxin:</i> DR. J. BRONFENBRENNER. <i>Soil Shifting in the Connecticut Valley:</i> A. B. BEAUMONT.....	279
<i>Scientific Books:</i>	
<i>Development and Activities of the Roots of Crop Plants:</i> PROFESSOR BURTON E. LIVINGSTON	283
<i>Special Articles:</i>	
<i>Algal Statistics gleaned from the Gizzard Shad:</i> DR. L. H. TIFFANY. <i>The Sex Chromosomes of the Monkey:</i> DR. THEOPHILUS S. PAINTER. <i>A Simple Gas Generator for Laboratory Use:</i> ARTHUR P. HARRISON	285
<i>The Ohio Academy of Science:</i> PROFESSOR EDWARD L. RICE.....	288

COMMON AIMS OF CULTURE AND RESEARCH IN THE UNIVERSITY¹

By definition universities aim to compass the whole range of knowledge. In practical operation they are characterized rather more by diversity than by unity of effort. It is in the nature of things that bodies so constituted should attempt to express the various phases of thought represented through many kinds of organization, and we expect to see philological, chemical, biological and other types of clubs or societies forming a normal part of the machinery of every great educational institution. According to the particular interests of the moment these agencies within the walls group themselves in different ways to accomplish specific kinds of service.

The most interesting of all organizations peculiar to the university are the two widely inclusive societies representing scholarship or culture in Phi Beta Kappa and research and science in Sigma Xi. These two bodies express in their aims nearly the whole range of higher purposes of academic effort. It has seemed to me that a study of their interrelations, extending to a redefinition of their common objects, might help to set forth that continuously needful statement and restatement of the reason for existence of institutions of higher learning. Inclination to consider the purposes of these societies has been particularly strong as the course of my life has carried me into contact with research and education in such a manner as to bring into close relation, and yet into striking contrast, the types of academic mind which we call scientific and humanistic. Having seen these interests so frequently defined with special reference to their separateness the desire has grown

¹ Presented as the annual address before Phi Beta Kappa and Sigma Xi, University of Pennsylvania, June 13, 1921.

Science

56 (1445)

Science **56** (1445), 263-290.

ARTICLE TOOLS

<http://science.sciencemag.org/content/56/1445.citation>

PERMISSIONS

<http://www.sciencemag.org/help/reprints-and-permissions>

Use of this article is subject to the [Terms of Service](#)

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. The title *Science* is a registered trademark of AAAS.

Copyright © 1922 The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works.