

SCIENCE

Vol. LXI

MAY 1, 1925

No. 1583

THE GROWING OPPORTUNITIES FOR MEDICAL RESEARCH¹

CONTENTS

<i>The Growing Opportunities for Medical Research:</i>	
DR. LEWELLYS F. BARKER	449
<i>The American Association for the Advancement of Science:</i>	
<i>The Trend of Thought in Physics:</i> PROFESSOR	
W. F. G. SWANN	452
<i>The White Indians of the San Blas and Darien:</i>	
DR. REGINALD G. HARRIS	460
<i>The James-Simpson-Roosevelt Expedition of the Field Museum of Natural History:</i> DR. WILFRED H. OSGOOD	
	461
<i>Scientific Events:</i>	
<i>The International Congress of Forestry; Work of the Northeastern Forest Experiment Station; Sigma Xi and the California Institute of Technology; The Third National Colloid Symposium; Townshend Stith Brandegee</i>	
	462
<i>Scientific Notes and News</i>	464
<i>University and Educational Notes</i>	467
<i>Discussion and Correspondence:</i>	
<i>Series in the Arc Spectrum of Nitrogen:</i> DR. C. C. KIESS. <i>The Undertow:</i> DR. T. T. QUIRKE. <i>Origin of the Loess of the Palouse Region, Washington:</i> RAY C. TREASHER. <i>The Stem of Mag-nolia as a Laboratory Type:</i> A. W. HAUPT.....	
	468
<i>Scientific Books:</i>	
<i>Bliss on the Calculus of Variations:</i> DR. F. D. MURNAGHAN	
	470
<i>The Norwegian Identity Book:</i> X.	470
<i>Special Articles:</i>	
<i>A Highly Sensitive Physical Method for detecting Proteins in a Solution:</i> DR. LECOMTE DU NOUY.....	
	472
<i>Science News</i>	x

SCIENCE: A Weekly Journal devoted to the Advancement of Science, edited by J. McKeen Cattell and published every Friday by

THE SCIENCE PRESS

Lancaster, Pa. Garrison, N. Y.
New York City: Grand Central Terminal.

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

SCIENCE is the official organ of the American Association for the Advancement of Science. Information regarding membership in the association may be secured from the office of the permanent secretary, in the Smithsonian Institution Building, Washington, D. C.

Entered as second-class matter July 18, 1923, at the Post Office at Lancaster, Pa., under the Act of March 3, 1879.

It is related of the rugged English surgeon, John Abernethy, that on entering the lecture hall at the beginning of a new medical session he once exclaimed "Good God! What will become of you all?" An attractive and persuasive lecturer, Abernethy gained no distinction in original research; indeed, his dogmatic attitude is said to have been repressive rather than stimulative of original inquiries. An attempt to answer the question Abernethy asked was, later on, made by another British surgeon of entirely different stamp, namely, Sir James Paget, an eloquent lecturer who besides was a truly great investigator of pathological and surgical problems, one who cherished the ideal of uniting scientific studies with practical activities throughout his professional life. He made some statistical studies to determine what actually did become of the students whom he taught in the medical school, and his conclusion was that, as a general rule (with but few exceptions), "such as the student had been, such was the practitioner." The validity of this rule was certainly demonstrated in the case of Paget himself, for, in his first winter session in the medical school, while working in the dissecting room, he found by means of a pocket lens that certain specks in the voluntary muscles were parasitic worms and not, as earlier observers had thought, spicules of bone; as a result of his observations a piece of the muscle containing the specks was sent to R. Owen, who confirmed the discovery and gave to the worm its scientific name, *Trichina spiralis*. Young Paget, who showed his ability to discover new things in his first year in the medical school, later on became, as you know, so great a pathologist that he rose to a place in England comparable with that occupied by Rudolph Virchow in Germany and so great a surgeon that he is always numbered among surgeons of the first rank. His name, you will recall, is attached permanently to a well-known disease of the breast and to an equally well-known disease of the bones.

This morning it was my good fortune to be present during a part of the session when students of this school, members of your Undergraduate Medical Association, were reporting some of the original observations and experiments that they had carried on

¹ An address delivered to the Undergraduate Medical Association of the University of Pennsylvania, Friday, April 3, 1925.

Science

61 (1583)

Science 61 (1583), x-472.

ARTICLE TOOLS

<http://science.sciencemag.org/content/61/1583.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 © 1925 The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works.