

LETTERS

to the EDITOR

Adage Bites Man

Sir:

There are many among those of us who are trying to help reduce atmospheric pollution who will look at the December number of *Physics Today* with some concern. In the subtitle of the leading article *Physics of Chimneys* we read: "Where there's fire there's smoke."

Perhaps we are all misguided evangelists, but we have been preaching that the presence of fire does not necessarily mean the presence of smoke. We have been doing our level best to get people to handle their fuel, select their equipment, and operate their plants—large and small—in such a way that they can have needed heat and power without great plumes of smoke.

WARD F. DAVIDSON

New York, New York

Where there's fire there may be smoke. Our apologies to those who work at minimizing atmospheric pollution.

Physicists in Training

Sir:

I read with interest the recent article by Marsh White in the November issue of *Physics Today*. Unfortunately, among the institutions granting PhD degrees in physics, the Catholic University of America has been omitted. In 1948-49 we had 85 graduate students in physics and had granted one PhD degree during the period covered.

KARL F. HERZFELD

Washington, D. C.

Sir:

The November issue of *Physics Today* contains an article by Marsh White which leaves many of us here in Rochester puzzled. An examination of the list of institutions granting PhD's in physics on page 17, does not reveal the name of the University of Rochester, which has been granting PhD's in physics for over ten years and now has some 45 graduate students enrolled.

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Physics Today, a general interest magazine on physics, is published monthly by the American Institute of Physics, Incorporated, at Prince and Lemon Streets, Lancaster, Pennsylvania and is printed in the U. S. A.

Editorial, Production, and Advertising Offices are at the American Institute of Physics, 57 East 55th Street, New York 22, New York.

Subscription rates—United States and Possessions, Canada, and Mexico: \$4.00 per year. Elsewhere: add \$1.00 per year for postage. Single copies: 50¢.

Change of address should be sent to the Circulation Manager, American Institute of Physics, 57 East 55th Street, New York 22, New York.

Statements and opinions expressed in Physics Today are those of individuals unless indicated as an official position of the Institute.

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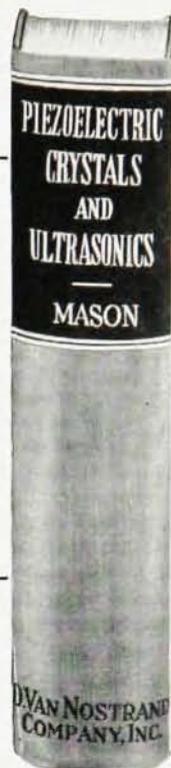
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Two possible explanations have been suggested: For some reason all institutions east of the Rockies with two operating cyclotrons are excluded. Second, the weather here in Rochester is so bad that the institution has been disqualified.

I wonder why we are left off the list.

GEORGE B. COLLINS

Rochester, New York

Sir:

My attention has been called to the omission of the names of several institutions from the list of physics departments granting the PhD, as published in the November, 1949 issue of *Physics Today*. A recheck of the files from which these data were abstracted served to locate the material received from two of these institutions. Complete data had been furnished by the Catholic University of America. At this institution one doctorate had been granted in the period September 1, 1947 to August 31, 1948. The data received from the University of Washington at Seattle indicate one PhD granted during the 1947-48 year. The enrollment of graduate students in physics was not furnished. The University of Colorado reported one PhD granted in this time, the University of Southern California has recently furnished their enrollment of graduate students in physics as 49 during 1948-49 and Western Reserve gave their enrollment as 4 for this period.

In addition to the original request for data concerning graduates and enrollments in the physics major, one and in some cases two follow up letters were sent to the physics departments which did not reply. Data available from other sources indicate the following additional graduates in 1947-48 from institutions offering the PhD in physics:

	Bachelor's	Master's	Doctorates
George Washington University	8	4	1
State University of Iowa	4	7	2
University of Michigan	43	46	14
University of Rochester	10	—	7

It is hoped that the similar survey currently in progress can show data from a larger percentage of institutions offering a physics major. It is believed that the totals shown in the paper for the Masters and Doctorates are substantially complete and correct. Additional data have been obtained from 56 institutions offering a major in physics at the Bachelor's level. The addition of their graduates would bring the total of Bachelor's degrees in physics during 1947-48 to 2536 in 432 institutions. Some 25 other institutions nominally offer an undergraduate major in physics but they have to date reported no graduates or other enrollment data.

MARSH W. WHITE

State College, Pennsylvania



CALENDAR

of EVENTS

- February 2-4 *American Association of Physics Teachers*, New York City
- February 2-4 *American Physical Society (Winter Meeting)*, New York City
- February 3-4 *American Geophysical Union (Regional Meeting)*, Davis, California
- February 7 *Society for Applied Spectroscopy*, New York City
- February 10 *American Institute of Mining and Metallurgical Engineers*, St. Louis, Missouri
- February 10-16 *American Institute of Mining and Metallurgical Engineers*, New York City
- February 15-17 *Conference on Analytical Chemistry and Applied Spectroscopy* (jointly sponsored by the American Chemical Society and the Spectrographic Society of Pittsburgh), Pittsburgh, Pennsylvania
- February 20-23 *Technical Association of the Pulp and Paper Industry (Annual Meeting)*, New York City
- February 24-25 *American Mathematical Society*, East Lansing, Michigan
- February 25 *American Mathematical Society*, New York City
- February 26-March 1 *American Institute of Chemical Engineers*, Houston, Texas
- February 27-March 3 *American Society for Testing Materials*, Pittsburgh, Pennsylvania
- March 6-9 *Institute of Radio Engineers (National Convention)*, New York City
- March 7 *Society for Applied Spectroscopy*, New York City
- March 8 *Inter-Society Color Council*, New York City
- March 9-11 *Optical Society of America*, New York City
- March 16-18 *American Physical Society*, Oak Ridge, Tennessee
- March 17 *Physics Club of Philadelphia*, Philadelphia, Penn.
- March 24 *Institute of Aeronautical Sciences (Annual Flight Propulsion Meeting)*, Cleveland, Ohio
- March 26-30 *American Chemical Society*, Houston, Texas
- April 1 *American Physical Society (New York State Section)*, Buffalo, New York
- April 4 *Society for Applied Spectroscopy*, New York City
- April 9-13 *American Chemical Society*, Philadelphia, Penn.
- April 12-14 *American Society of Mechanical Engineers*, Washington, D. C.
- April 16-20 *American Chemical Society*, Detroit, Michigan
- April 19-22 *Electrochemical Society (Annual Meeting)*, Cleveland, Ohio
- April 20-22 *American Philosophical Society*, Philadelphia, Penn.
- April 21-22 *American Mathematical Society*, Oak Ridge, Tenn.
- April 23-26 *American Ceramic Society*, New York City
- April 24-26 *National Academy of Sciences*, Washington, D. C.
- April 24-28 *Society of Motion Picture and Television Engineers*, Chicago, Illinois
- April 27-29 *American Physical Society*, Washington, D. C.
- April 28-29 *American Mathematical Society*, Washington, D. C.
- April 28-29 *American Mathematical Society*, Chicago, Illinois
- April 28-29 *American Mathematical Society*, Berkeley, Cal.
- April 29 *Institute of Radio Engineers*, Cincinnati, Ohio
- May 1-3 *American Geophysical Union (Annual Meeting)*, Washington, D. C.
- May 2 *Society for Applied Spectroscopy*, New York City
- May 26-27 *Society for Applied Spectroscopy (Annual Meeting)*, New York City
- May 28-31 *American Institute of Chemical Engineers*, Swampscott, Massachusetts
- May 29-30 *Technical Association of the Pulp and Paper Industry (Fundamental Research Conference)*, Quebec City, Canada
- June 6-8 *Symposium on Theory of Electromagnetic Wave Propagation* (Jointly sponsored by New York University and Geophysical Research Directorate of Air Force Cambridge Research Laboratories), New York City
- June 12-16 *American Institute of Electrical Engineers (Summer and Pacific General Meeting)*, Pasadena, Calif.
- June 12-17 *Symposium on Molecular Structure and Spectroscopy*, Ohio State University, Columbus, Ohio
- June 16-17 *American Mathematical Society*, Seattle, Wash.
- June 18-21 *American Astronomical Society*, Bloomington, Ind.
- June 21-24 *American Physical Society*, Mexico City, Mexico
- June 22-24 *Acoustical Society of America*, State College, Penn.
- June 26-30 *American Society for Testing Materials (Annual Meeting)*, Atlantic City, New Jersey