

AMERICAN ASSOCIATION  
FOR THE  
ADVANCEMENT OF SCIENCE

Board of Directors

PAUL E. KLOPSTEG, *President*  
CHAUNCEY D. LEAKE, *President Elect*  
WALLACE R. BRODE, *Retiring President*  
H. BENTLEY GLASS  
GEORGE R. HARRISON  
MARGARET MEAD  
THOMAS PARK  
DON K. PRICE  
MINA REES  
WILLIAM W. RUBEY  
ALAN T. WATERMAN  
PAUL A. SCHERER, *Treasurer*  
DAEL WOLFLE, *Executive Officer*

Editorial Board

DONALD J. HUGHES      H. BURR STEINBACH  
KONRAD B. KRAUSKOPF    WILLIAM L. STRAUS, JR.  
EDWIN M. LERNER      EDWARD L. TATUM

Editorial Staff

DAEL WOLFLE, *Executive Officer*  
GRAHAM DUSHANE, *Editor*  
JOSEPH TURNER, *Assistant Editor*  
ROBERT V. ORMES, *Assistant Editor*

CHARLOTTE F. CHAMBERS, SARAH S. DEES, NANCY  
S. HAMILTON, WILLIAM HASKELL, OLIVER W.  
HEATWOLF, YUKIE KOZAI, MILDRED L. MACE,  
ELLEN E. MURPHY, ELEANOR D. O'HARA, BETHSABE  
PETERSEN, NANCY L. TEIMOURIAN, LOIS W.  
WOODWORTH

EARL J. SCHERAGO, *Advertising Representative*



SCIENCE, which is now combined with THE SCIENTIFIC MONTHLY, is published each Friday by the American Association for the Advancement of Science at National Publishing Company, Washington, D.C. The joint journal is published in the SCIENCE format. SCIENCE is indexed in the *Reader's Guide to Periodical Literature*.

**Editorial and personnel-placement correspondence** should be addressed to SCIENCE, 1515 Massachusetts Ave., NW, Washington 5, D.C. Manuscripts should be typed with double spacing and submitted in duplicate. The AAAS assumes no responsibility for the safety of manuscripts or for the opinions expressed by contributors. For detailed suggestions on the preparation of manuscripts and illustrations, see *Science* 125, 16 (4 Jan. 1957).

**Display-advertising correspondence** should be addressed to SCIENCE, Room 740, 11 West 42 St., New York 36, N.Y.

**Change of address notification** should be sent to 1515 Massachusetts Ave., NW, Washington 5, D.C., 4 weeks in advance. If possible, furnish an address label from a recent issue. Give both old and new addresses, including zone numbers, if any.

**Annual subscriptions:** \$8.50; foreign postage, \$1.50; Canadian postage, 75¢. Single copies, 35¢. Cable address: Advancesci, Washington.

Copyright 1959 by the American Association for the Advancement of Science.

## Tax Exempt

The first Federal income tax law of 1913 recognized that institutions promoting scientific research were entitled to tax exemption. Since at that time scientific research was largely restricted to universities, which were also exempt on educational grounds, no special problems about the meaning of the word "scientific" for tax purposes arose and the word was, in fact, not defined.

The extraordinary growth in both applied and basic research in the intervening years has not been confined to the universities: numerous non-profit institutions, some of which are independent of university affiliation or control, have been founded to conduct contract research for government and industry. Their existence has led the Bureau of Internal Revenue to attempt a definition of what "scientific" means for income tax purposes.

A proposed amendment to the Income Tax Regulations (*Federal Register*, 24:9587, 1 Dec. 1959), which will probably be discussed at hearings in the Internal Revenue Service this month, sets forth the main criteria to be used in determining whether an organization shall enjoy tax exemption on scientific grounds. The major criteria are that the organization be operated primarily for fundamental research and that the results of that research be freely available to the public. Thus, an organization will not be eligible for tax exemption if its primary aim is to do routine testing or applied research (unless such research is done for national, state, or local governments) or if it serves a private rather than a public interest. The overriding consideration is whether the research "is directed not toward promoting private gain, but rather toward benefiting the public."

The provision for free availability to the public means that the research results must not be subject to any restriction or proprietary rights and "are made available to the interested public in a practical manner and on a non-discriminatory basis." Any research done for a governmental agency will be considered freely available even though it may in fact be restricted for security or other reasons.

What organizations will be affected? Universities, hospitals, and organizations operated *primarily* for carrying on fundamental research that is freely available to the public will not be affected. If an institution meets this test it is exempt and the exemption includes income derived from applied research that is not available to the public.

The proposed ruling will thus affect those independent research institutions that are predominantly concerned with applied research, the results of which are restricted or controlled by those who pay for it. Many such institutions now claim exemption and they may be expected to marshal a strong attack against the proposed regulation. They will doubtless point out that their performance of research by contract for government and industry is in the public interest and that it is "scientific" for purposes of tax exemption. If the regulation nevertheless goes into effect they may appeal through the courts. If this fails, two courses will be open to them: they may either pay tax on that part of their income from research that is not exempt or perform enough basic research to maintain an exempt status.—G.DuS.