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ment of his constitutional rights of free speech and assembly guaranteed by the First Amendment. Yellin could easily have avoided serious difficulty with the committee and the citation for contempt by refusing to cooperate with the committee as hundreds of others have done in recent years by standing on the Fifth Amendment.

Yellin's challenge of the committee's right to probe the political beliefs of our citizens was undertaken with the clear knowledge that this action could result in his imprisonment. His decision to undergo this risk is in the highest traditions of our nation. It was awareness of this, I am sure, that helped Yellin win his reinstatement as a student after a hearing by the investigating committee of the University of Illinois.

Several years ago, an application for financial support of a research project on leukemia was rejected by an agency of the Public Health Service because the principal investigator, Linus Pauling, had failed to obtain the necessary political clearance. Public opposition to this unwarranted interference in research now makes it unnecessary for an investigator to undergo political screening to obtain a federal grant for a project in the health sciences.

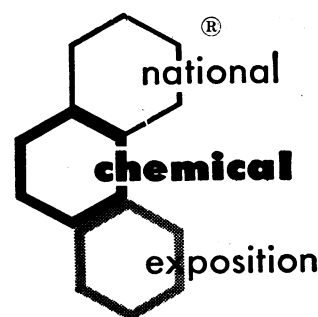
Protection of freedom of thought is particularly important to us as scientists. It would be harmful to all of us if political clearance became a necessary condition to obtaining a federally supported fellowship.

MONROE SCHNEIDER  
*Jewish Chronic Disease Hospital,  
Brooklyn, New York*

#### Krebiozen

We read with interest your notes on the Krebiozen trial [*Science* 133, 1345 (1961)], which included reference to the Citizens Emergency Committee for Krebiozen.

If any further proof were required as to the validity of your statement that "professional sentiment in the field is overwhelmingly against Krebiozen," it is furnished by your most liberal application of the noun *scientist* to George D. Stoddard in connection with his criticism of the work of Andrew C. Ivy. Indeed, a large question involved in the litigation of Ivy versus Stoddard is that of freedom of research and inquiry in America. But to imply that a "scientist" in the field of education is qualified to criticize the work



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of, and imply professional incompetence on the part of, a physiologist in the highly specialized field of cancer research is ludicrous, to say the least.

RHODA BOYKO

*Citizens Emergency Committee  
for Krebiozen, New York, New York*

*According to American Men of Science, Stoddard is a former head of the department of psychology at the University of Iowa. In recent years he has held administrative posts, and he is now chancellor of New York University.—ED.*

### Mathematics Degrees

I noted with interest the editorial on the proposed Doctor of Arts degree for noncreative mathematicians [*Science* 133, 1979 (1961)]. I commend you for publishing it.

I would urge, however, that it may be equally productive to consider a more restricted designation than the current Ph.D. for programs which stress the creative aspects of a discipline more than a scholarly treatment of its substance, structure, and relation to other fields of knowledge. For the former group, the Doctor of Mathematics might be appropriate.

H. CRAIG SIPE

*George Peabody College for Teachers,  
Nashville, Tennessee*

### Communication between Social and Physical Scientists

In the 12th to 14th paragraphs of the New York *Times* obituary of the Soviet physicist Kurchatov (8 February 1960), the following sentences appeared (p. 4).

"One of Dr. Kurchatov's most significant public statements came in early 1958 when he publicly asserted that it was the Soviet Union, not the United States, that invented the hydrogen bomb. . . .

"That the Academician's claim may be correct has been indicated by evidence published in this country that the Soviet 1953 thermonuclear explosion was accomplished with the use of a form of lithium deuteride as a solid. This evidence suggests that the November, 1952, American thermonuclear device had to be very bulky because it contained much refrigeration apparatus



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