COMMENTS

by Readers

of about a hundred American scientific plain that it is unfortunate, because it is a societies in Washington on February 23 fait accompli. Our government, and every brought about a hopeful renewal of action other government in proportion to its toward the establishment of a National means, is already pouring hundreds of Science Foundation. However, let no one millions of dollars annually into science be deceived into thinking that the goal laboratories, and has thus already, in is actually within reach. The 80th Con-plain words, taken them over to a very gress still needs to be convinced of the large degree. The question today is no necessity to the public welfare of a meas- longer one of whether scientists want ure which will contribute to its difficulties government subsidy and control, but simin making its promised economies and tax ply one of what kind of governmental relief. It is extremely unlikely that a subsidy and control they will get. National Science Foundation Act will be passed by this Congress without very future of American democratic society is strong pressures from aroused voters at stake is escapism of a very low order "back home."

majority of American scientists will pull or duties than any other group. But each together for the enactment of the best group in society has its special duty to the bill that the Inter-Society Committee can Nation as a whole to educate other citiget Congressional leaders to accept. There zens about those aspects of its own field is much doubt that the American public that concern the general interest. Freis sufficiently aware of the implications of quently in American political life we have the problem to be able or willing to exert been treated to the spectacle of special the necessary influence upon the Congress interest groups conniving for their own to get action.

dation is needed. The present problem is National Science Foundation is not prithat of getting the lay public interested, marily related to the welfare of scientists informed, and active. This is an assign- or even of science. Only a public need can ment that calls for a quality and quantity justify the creation of it. Scientists generof civic responsibility on the part of scien- ally agree that an urgent public need to assume. Certain small numbers of special obligation to educate their nonscientists have always accepted their re- scientist fellow citizens concerning the sponsibilities as citizens, especially well basic facts of the problem. informed in certain areas of public importing and affected by science.

The conference of representatives of modern politics. It is useless to com-

indeed. As a group of citizens, scientists There is little doubt now that the great have in general no more rights, privileges, self-betterment. It would, of course, be a It seems unnecessary to explain further tragedy if American scientists were to

tance, but there has been and still is the interests of the people is unlikely to be sary in a published paper, be omitted prevalent among scientists a feeling of set up unless scientists do recognize that from the slides; (c) slides be made with repugnance against dirtying their hands fact and begin now in an organized way the smallest possible amount of material by exposure to public, and therefore po- to inform the American voter. Modern on each one, so that the observer is litical, problems. The consequence has science sets standards of living and wins conscious of having absorbed their conbeen that most scientists are silent on or loses modern wars, and the advance- tent before the next slide is shown; and public problems, even those directly affec- ment and control of it may well be the (d) a typewritten sheet of paper subse-American scientists must realize that Scientists as citizens can, therefore, with- usually renders the image too small and forces of circumstance beyond their con- out much doubt determine the fate of the should be avoided. (G. H. Benham,

or inaction in the days ahead. (MAURICE B. VISSCHER, University of Minnesota.)

Dr. Pilcher's reply (Science, February 7, p. 160) to my earlier comment on the establishment of an organized program for cancer research presents a number of admirable arguments for a coordinated program on a national scale. I do not believe that my note (Science, November 22) contained any matter which was opposed to such an idea. My oppositionand that only on a very mild scale—was to a rigidly directed program, rather than to a well-organized one. I believe that the distinction between these approaches is quite clear. Whereas the former is apt to be held down to a certain degree in respect to versatility, the second type of approach is something to be highly desired. Certainly, such a program should be pushed through by all means available.

In the matter of penicillin development, Dr. Pilcher very aptly points out that 11 To sit back and be silent while the years were lost between the discovery and the beginning of real work on the problem. I wonder how much of that was due to the fact that even as late as 1929 the real implications of possibilities of scientific research were not at all clear to those who controlled the purse strings? It is unquestionably true that unless the funds are forthcoming, such work is apt to stagnate. The impact of the A-bomb surely served a very loud notice on the world in this respect. (G. M. Kosolapoff, Monsanto Chemical Company, Dayton, Ohio.)

Although there are many reasons to scientists why a National Science Foun- follow such a pattern. But the need for a for attending scientific meetings, the major one for most scientists remains that of hearing original work described in person by those who performed the experiments. In this connection, and in view of my belief that one of the worst aspects of tists which they have rarely been willing exists. As citizens, they have, therefore, a many papers is the use of lantern slides, may I suggest that (a) the only material put on the screen be that which is to be specifically referred to during the talk; A National Science Foundation serving (b) long columns of figures, while necesdeciding factor in keeping the peace. quently photographed to make a slide trol have thrust them into the maelstrom western democratic world by their action Illinois Institute of Technology, Chicago.)