The letter which follows was addressed by one of our ranking mathematicians to a research scientist of a great aircraft corporation, who had asked him for the technical account of a certain line of research he had conducted in the war. Professor Wiener’s indignation at being requested to participate in indiscriminate rearmament, less than two years after victory, is typical of many American scientists who served their country faithfully during the war.

Professor of Mathematics in one of our great Eastern institutions, Norbert Wiener was born in Columbia, Missouri, in 1894, the son of Leo Wiener, Professor of Slavic Languages at Harvard University. He took his doctorate at Harvard and did his graduate work in England and in Göttingen. Today he is esteemed one of the world’s foremost mathematical analysts. His ideas played a significant part in the development of the theories of communication and control which were essential in winning the war.

− The Editor, *Atlantic Monthly*

Sir:−

I have received from you a note in which you state that you are engaged in a project concerning controlled missiles, and in which you request a copy of a paper which I wrote for the National Defense Research Committee during the war.

As the paper is the property of a government organization, you are of course at complete liberty to turn to that government organization for such information as I could give you. If it is out of print as you say, and they desire to make it available for you, there are doubtless proper avenues of approach to them.

When, however, you turn to me for information concerning controlled missiles, there are several considerations which determine my reply. In the past, the comity of scholars has made it a custom to furnish scientific information to any person seriously seeking it. However, we must face these facts: the policy of the government itself during and after the
war, say in the bombing of Hiroshima and Nagasaki, has
made it clear that to provide scientific information is not a
necessarily innocent act, and may entail the gravest consequ­
ences. One therefore cannot escape reconsidering the estab­
lished custom of the scientist to give information to every
person who may enquire of him. The interchange of ideas
which is one of the great traditions of science must of course
receive certain limitations when the scientist becomes an
arbiter of life and death.

For the sake, however, of the scientist and the public, these
limitations should be as intelligent as possible. The measures
taken during the war by our military agencies, in restricting
the free intercourse among scientists on related projects or
even on the same project, have gone so far that it is clear that
if continued in time of peace this policy will lead to the total
irresponsibility of the scientist, and ultimately to the death of
science. Both of these are disastrous for our civilization, and
entail grave and immediate peril for the public.

I realize, of course, that I am acting as the censor of my
own ideas, and it may sound arbitrary, but I will not accept a
censorship in which I do not participate. The experience of
the scientists who have worked on the atomic bomb has
indicated that in any investigation of this kind the scientist
ends by putting unlimited powers in the hands of the people
whom he is least inclined to trust with their use. It is perfectly
clear also that to disseminate information about a weapon in
the present state of our civilization is to make it practically
certain that that weapon will be used. In that respect the
controlled missile represents the still imperfect supplement to
the atom bomb and to bacterial warfare.

The practical use of guided missiles can only be to kill
foreign civilians indiscriminately, and it furnishes no protec­
tion whatsoever to civilians in this country. I cannot conceive
a situation in which such weapons can produce any effect
other than extending the kamikaze way of fighting to whole
nations. Their possession can do nothing but endanger us by
encouraging the tragic insolence of the military mind.

If therefore I do not desire to participate in the bombing or
poisoning of defenceless peoples – and I most certainly do not – I must take a serious responsibility as to those to whom I disclose my scientific ideas. Since it is obvious that with sufficient effort you can obtain my material, even though it is out of print, I can only protest pro forma in refusing to give you any information concerning my past work. However, I rejoice at the fact that my material is not readily available, inasmuch as it gives me the opportunity to raise this serious moral issue. I do not expect to publish any future work of mine which may do damage in the hands of irresponsible militarists.

I am taking the liberty of calling this letter to the attention of other people in scientific work. I believe it is only proper that they should know of it in order to make their own independent decisions, if similar situations should confront them.

Norbert Wiener