

profession who would be permitted to know every detail of preparation and use. We also urged that the methods involved and the cases treated should be brought before a medical association for investigation and discussion. We further urged that there should be no attempt to commercialize the discovery; and argued that if a cure for cancer had been discovered the Government and people would very generously reward so great a benefactor of mankind.

The medical profession now knows what has happened. We have dealt with this question so fully on former occasions that we shall not go over the ground again; but shall content ourselves by reproducing the letter of Dr. Francis Carter Wood which appeared in the *Journal of the American Medical Association*, under the caption, "The Glover Cancer Serum." Dr. Wood, of New York, is director of the George Crocker Special Research Fund for the Investigation of Cancer.

"To the Editor: During the month of December, 1920, a large number of physicians referred to me copies of an advertisement of an alleged cancer cure prepared by the T. J. Glover Research Laboratories of Toronto, Canada. I immediately obtained some of this serum from the makers, at a cost of \$25 for five doses (about 5 c.c. of serum). The serum was a clear, amber colored fluid. During the experiments it was kept, as directed, in a cool place, and it was handled and administered under the most careful asepsis.

"This serum was tested on carcinomas and sarcomas of the white rat. These were transplanted tumors which had originated in the mamma of the rat and were much less malignant than the corresponding human tumors. It was assumed that the doses for the rat should be proportioned to body weight. In some instances the serum was injected directly into the tumor, in others it was injected subcutaneously or intramuscularly, as recommended by Dr. Glover, and the time intervals also were proportioned as recommended. The serum appeared to be rather toxic, and the injected animals failed slowly in health.

"The treatment had not the slightest effect on the growth rate of tumors of either type, nor was any tumor cured. It is evident, therefore, that the statement made by Dr. Glover to the effect that this serum is of no use in the treatment of sarcoma is correct. To this should be added the further statement that the serum has not the slightest effect on carcinomas of the white rat.

"These results confirm the report of the Toronto Academy of Medicine, published in the *Journal* as to the worthlessness of this serum as a therapeutic agent for malignant tumors."