LITERATURE CITED

1. Y. Ernest Wilkins, JASS, 27, No. 2 (1960).
2. Y. Ernest Wilkins, J. Soc. Ind. and Appl. Math., 8, No. 4, XII (1960).
3. G. L. Grodzovskii, Izv. Akad. Nauk SSSR, Otd. Tekh. Nauk, Énergetika i Avtomatika, No. 6 (1962); see also: Astronautica Acta, 8, fasc. 4 (1962).

REPLY TO GRODZOVSKII'S COMMENTS

B. A. Solov'ev

In the article entitled "The optimum profile of a radiating fin" [Inzhen.-Fiz. Zh., 14, No. 3 (1968)] I presented an incorrect evaluation of the work of Grodzovskii [Izv. Akad. Nauk SSSR, Otd. Tekh. Nauk Énergetika i Avtomatika, No. 6 (1962)], which properly aroused the indignation of the author of that paper. In connection with this unpleasant incident, I offer my heartfelt apologies to the author of that paper, to the editors, and to the readers of the journal.

The formulation of the problem and its solution by means of a digital computer, as presented in my article through the example of a single nonirradiated radiating fin, can be extended to the optimization of the weight of more complex radiating systems, where no analytical solution is possible. In this connection, I cannot agree with Grodzovskii's comment to the effect that no such formulation of the problem is required. However, the radiating fin optimized with respect to weight by the cited method is virtually in no way inferior to the fin with an exact optimum profile.

The absence of reference to the various papers by Grodzovskii is explained by the fact that it is not the function in a small article, devoted to a restricted problem, to undertake a detailed analysis of all work done in the field.