benedryl, histadyl, neoantergan, and pyribenzamine. The following pathogenic fungi were routinely used in these tests: *B. dermatitidis, Coccidiodis immitis, Trichophyton rubrum, Candida albicans,* and *Cryptococcus neoformans.* All the antihistaminics tested exhibited fungicidal properties, but thephorin and benedryl were the most potent. We submitted the manuscript first to a bacteriological journal and then to a pharmacological journal, but the paper was not accepted by either journal because, it was contended, the findings did not sound scientific. Discouraged, we decided not to publish our findings.

Now that two papers have been published on the fungicidal properties of antihistaminics confirming our earlier findings, in the interests of science we wish to state that

1) All antihistaminic compounds possess inhibitory effect on fungi.

2) The editors of scientific journals and their consultants must not turn down or refuse to publish a paper simply because the findings do not comply with their trend of thinking. They should use a scientific approach, free of prejudice, in accepting or refusing a manuscript. Opinionated thinking stops or delays progress.

HARRY SENECA

College of Physicians and Surgeons
Columbia University

Book Reviews

Nerve Impulse. Transactions of the first conference, March 2–3, 1950, New York. David Nachmansohn, Ed. New York: Josiah Macy, Jr. Foundation, 1951. 159 pp. $3.00.

Because of the enormous number of papers presented at national scientific meetings many sections must meet simultaneously. Lack of time and organizational difficulties do not favor critical discussions. This condition, aggravated by inadequate space in some of our leading journals and perhaps by some arbitrariness in editorial policies, accounts for the fact that our scientific archives become more and more storehouses of facts without proper correlation and evaluation of the data. Under these circumstances the venture of the Macy Foundation, of bringing leading scientists together for an informal discussion of important problems, is a laudable undertaking.

Nerve Impulse inaugurates a new series and covers several important topics. Grundfest introduces "Potentialities and Limitations of Electrophysiology," and Quastel deals with the biochemical approach to the problem of nerve conduction. This problem is further elucidated from the viewpoint of comparative physiology by Prosser and in its histological aspect, particularly with regard to synaptic transmission, by Bodian. A report on ion exchange and permeability concludes the book. The discussion is carried on at a very high level, and many more problems than are indicated by the review titles are competently dealt with. Some improvement in procedure and presentation seems desirable, however. Particularly in the first section, the discussion is rather turbulent and jumps too much from one topic to another as a result of lack of guidance by the chairman. This must have been felt by the participants, since in the last section the discussion is omitted but "incorporated" in Steinbach's report. The reprinting of a competently guided discussion that would steer between these two extremes would appear to this reviewer most helpful. It is further suggested that the references might be handled uniformly throughout the book. In spite of these criticisms this is a publication rich in information and in ideas.

E. GELLHORN

Department of Physiology
University of Minnesota Medical School
Minneapolis

Physik und Chemie des Zellkernes. Protoplasma-Monographien, Band 20. Petr F. Milovidov. Berlin-Nikolassee: Naturwissenschaftlicher Verlag, 1949. 529 pp.

Although the publication date of Milovidov's monograph is 1949, the author informs us that he wrote it in 1938–39 and managed to make some changes up to 1943. Completed about the time when the present tide of interest in the physical and chemical behavior of the cell nucleus was just beginning to rise, it can hardly be expected to reflect those specific problems that are the occasion of such intense activity today. Prague could hardly have been the ideal place to look into the future of nuclear physiology during those years.

Biology being more of a cumulative science than some others, a thorough work such as this retains value and even timeliness without being up to date. Bandwagons change more rapidly than tunes. In the case of nuclear function, most of our current viewpoints are restatements in chemical, and therefore more precise, terms of ideas derived earlier from microscopic observation. Thus, the hypothesis supported by tracer experiments, that a major activity of the nucleus is the synthesis of ribonucleic acid for deployment in the cytoplasm, is the heir to the older "chromidia" hypothesis, based on numerous descriptions of the passage of basophilic particles from nucleus to cytoplasm. In Milovidov's work, such older hypotheses are discussed thoroughly and with reference to a great wealth of specific cases. Milovidov's monograph merits serious study by those who are