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THE RESISTANCE OF FIXED TISSUE CELLS TO
THE TOXIC ACTION OF CERTAIN CHEMICAL
SUBSTANCES

By Professor WM. DeB. MacNIDER
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Any consideration of the general question of tissue resistance has of necessity to first take into account the two monuments in this division of understanding and later the particulate research which these initial con-
tributions stimulated. First, the biological conception of Metchnikoff's of the protection and the resistance
afforded tissues through the activity of wandering cells, and second, the chemical or humoral theory of
Ehrlich's which postulated the production on the part

1 This investigation was made possible through a grant from The Josiah Macy, Jr., Foundation. Address del-
divered before the General Session of The Federation of American Societies for Experimental Biology; Detroit,
April 13, 1935.

2 Metchnikoff, "L'immunité dans les maladies infec-


6 Maximow, Arch. Path., 4: 557, 1927; Arch. exp. Zell-
forsch., 5: 169, 1928.


