

W. A. Wardlaw

Western Electric Company
INCORPORATED

ENGINEERING DEPARTMENT

MAY
1924



REPRINT
B-67-1

PHOTOELECTRIC EFFECT AND
TEMPERATURE IN POTASSIUM
PHOTOELECTRIC CELLS

BY

1924

HERBERT E. IVES

THE PHOTOELECTRIC CURRENT FROM POTASSIUM
IS FOUND TO BE DECREASED BY DECREASE OF TEMPERATURE.
THE CHANGE IN THE PHOTOELECTRIC EFFECT IS ASSOCIATED
WITH A VARIATION IN THE WORK FUNCTION OF THE SURFACE.