

4. Illumination System (Refer to Fig. 23)

The optical system for illumination in the OPTIPHOT microscope is constructed to fulfill the Koehler illumination requirements perfectly, and offers a bright, uniform field without any change-over manipulation.

As a standard light source, use the Halogen lamp 12V 50W (OSRAM 64610 or PHILIPS 7027). Four most commonly used filters are supplied in the base. (Refer to P. 11) Usually, place the diffuser in the optical path, but take away when the lamp is to be centered.

OPTICAL PATH

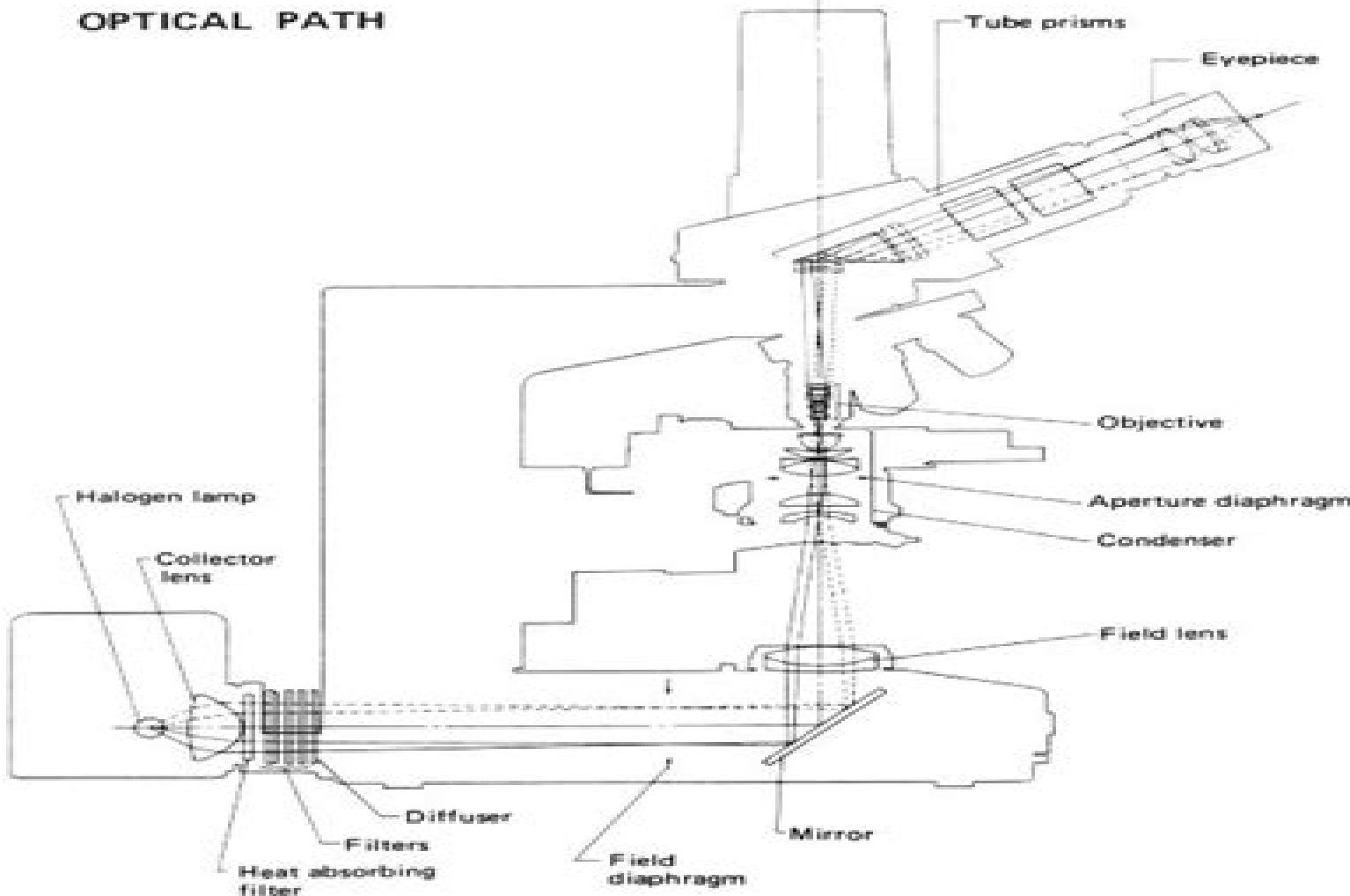


Fig. 23

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T. Charters White

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Handbook for Beginners and Students It is not possible without instruction and considerable practice to make the best use of the microscope and it is only by knowing fully what can be done and how to do it that the worker will be enabled to wrest from his instrument all that it is capable of yielding There is a tendency for work to be less well done than it need be through insufficient teaching and appreciation of elementary facts and its value to the individual user depends very largely on the methods of manipulation adopted It is hoped that the directions given in this book will assist beginners and all who work with the microscope to a clear understanding of the best way of using their instruments The due presentation of Parts II And III Has somewhat encroached on the space originally allotted to Part I but nothing essential has been omitted and studied in conjunction with the various makers catalogues it is hoped that a more complete understanding will be Obtained of the construction and use of the instrument than if more space had been allotted to the subject in an endeavour to make it complete in itself About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at www.forgottenbooks.com This book is a reproduction of an important historical work Forgotten Books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged

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