

OBITUARY

ALEKSANDR ANDREEVICH SHISHLOVSKII

(1905-1975)

Aleksandr Andreevich Shishlovskii died on July 20, 1975, after a serious illness; we have thereby lost an outstanding Soviet physicist and specialist in the area of luminescence and applied spectroscopy. He was also famous for his numerous studies in the general area of optics and spectroscopy, and he played an exceptional part in organizing optics research and training, especially in the Ukraine.



His working life began in the 1920's, and at that time he took an active part in setting up and running Komsomol cells in the working teams at pits and other organizations in the Donbass.

In 1930, he graduated from the Physics Department of the Mathematics and Physics Faculty of Moscow University; on the recommendation of S. I. Vavilov, he worked for a time as Assistant in the Department of Physics at Moscow University, especially on luminescence of electrolyte solutions. In 1936 he presented his Candidate's Dissertation.

On the suggestion of S. I. Vavilov, he transferred to the Institute of Physics of the Academy of Sciences of the Ukrainian SSR and organized the Department of Optics at Kiev University. He made researches on the optical properties of organic compounds, solutions of electrolytes, and crystalline phosphors, semiconductors, and metals; in addition, he researched into the theory of optical systems, molecular spectroscopy, and spectral analysis, as well as quantum electronics and infrared spectroscopy. This is far from being a complete list of his scientific interests and the various lines of research that he and his students examined at Kiev University.

He also did much to popularize science and introduce the latest discoveries into industry. He assisted in setting up several spectral-analysis laboratories at industrial organizations in Kiev. The regular Ukrainian conferences and seminars on scientific information exchange were held on his initiative and with his direct participation. He was also a member of the Scientific Council on Luminescence of the Academy of Sciences of the USSR, a Member of the Commission on Spectroscopy and Optics of the Academy of Sciences of the Ukrainian SSR, and a member of the Editorial Board of this journal.

He made a major contribution to the training of scientific staffs of all types; graduates from the Optics Department at Kiev University included seven Doctors of Science and over fifty Candidates, who are now to be found throughout the organizations in this country.

He was also the author of textbooks for university students on experimental optics and books on applied physical optics.

He also gave much attention to methodological aspects of scientific knowledge, as well as to research techniques in optics and applications in high-school teaching. He published textbooks in direct collaboration with the Board on Physics and Mathematics in Schools of Kiev University.

He was also active in social and scientific-organization works; for several years he was the Dean of the Physics Faculty at Moscow University.

The Soviet Government had a high opinion of his services, and awarded him the Order of Lenin together with various medals and certificates.

A warm memory of him will long persist in the hearts of all who knew him.

Translated from Zhurnal Prikladnoi Spektroskopii, Vol. 23, No. 4, p. 750, October, 1975.

This material is protected by copyright registered in the name of Plenum Publishing Corporation, 227 West 17th Street, New York, N.Y. 10011. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, microfilming, recording or otherwise, without written permission of the publisher. A copy of this article is available from the publisher for \$7.50.