



To Do Successful Research, You Don't Need to Know Everything. You Just Need to Know of One Thing That Isn't Known.  
A. L. Schawlow

W. M. Yen, M. D. Levenson (Eds.)

## ***Lasers, Spectroscopy and New Ideas***

***A Tribute to Arthur L. Schawlow***

1987. XIV, 337 pp. 161 figs. (Springer Series in Optical Sciences, Volume 54) Hardcover DM 79,- ISBN 3-540-18296-9

Arthur L. Schawlow and Nicolaas Bloembergen shared the 1981 Nobel Prize in Physics for their contributions to laser spectroscopy. This volume is a collection of up-to-date reviews of some of the areas covered by Professor Schawlow's work at Stanford University. It includes articles on lasers and laser materials, laser spectroscopy of atoms, molecules and solids, and laser applications. The range is wide and spans areas of considerable current as well as historical interest. In most cases the reviews are presented not only from the standpoint of current interest but also from a historical and personal perspective. The contributors have all been associated with Professor Schawlow either as students or as co-workers, and they have all done significant and distinguished work in the fields they review.

*From the Foreword:*

"As a research physicist, Schawlow has been a major influence on the present nature of physics and high technology. He has also had a role, through the American Physical Society and other organizations, in shaping policy for the world of physicists."

*From the Preface:*

"To quantify or enumerate Art's contributions to the scientific literature is a relatively easy task, and his articles and reviews, many of which are classics, are clear, concise and numerous.... It is much more difficult to provide an adequate measure of Art's other contributions, especially those concerned with the fostering of scientific ideas and scientific talent and attitudes.... For those of us who have had the privilege of falling under his tutelage, it is generally agreed that he attempted to teach us that very simple concepts are normally sufficient to explain even the most complex observations."

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