



DEPENDABLE ACCURACY

Wavelength: 5A
Photometric: 0.005 at 4A

CRITICAL REPEATABILITY

Wavelength: 2A
Photometric: 0.003

PRACTICAL WAVELENGTH RANGE

200m μ -700m μ

CONSTANT NARROW BAND PASS

Standard: 5A and 50A
Special order: 2A and 50A

LOW STRAY LIGHT

0.1% at 220m μ

RAPID SCANNING

6 different speeds, from approximately 1 minute to 10 minutes

How much should you pay for a recording spectrophotometer?

\$3685, for pinpoint coverage of the visible range. \$4285 for visible and UV.

You might pay a little less, but at the cost of recording speed, accuracy, repeatability, and range of application. You could pay more than twice as much, but you still wouldn't get such exclusive Spectronic 505® advantages as automatic wavelength speed control and the built-in mercury lamp for checking wavelength calibration.

The Spectronic 505 provides high-speed, high-precision recording of transmittance, linear absorbance and emission—plus accessories for reflectance between 400-700 m μ . The only other instruments that can approach its speed, accuracy and simplicity cost from two to four times more. That's why the Spectronic 505 has become the

best-selling spectrophotometer of all time.

BAUSCH & LOMB INCORPORATED

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☐ Please send me Spectronic 505 Recording Spectrophotometer Catalog D-2009.

NAME, TITLE

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NEWS

Determination of Copolymer Composition

The National Bureau of Standards has developed a precise procedure for determining copolymer composition. This method, based on the amounts of water and carbon dioxide formed when the copolymer is burned, has been used to measure the ratio of bound styrene to butadiene in samples of synthetic rubber. Details appear in the *Journal of Research, NBS*, March-April 1960 issue, pages 157 to 162.

Applied Optics Journal

The Optical Society of America plans to publish a new scientific journal to be called *Applied Optics*. The journal will be issued bimonthly beginning in January. Editor will be Dr. John N. Howard, Air Force Cambridge Research Laboratories, Bedford, Mass. Managing Editor is Patricia R. Wakeling.

The new journal will publish work in the areas of applied optics and closely related scientific and technical fields such as physical, electron, ion, ultra-violet and space optics, lens design and optical formulas, plasma, solid state, and crystal physics.

The new journal will be distributed by the American Institute of Physics. The Optical Society of America is a Member Society of the A.I.P. Further details are available from the Optical Society of America, 1155-16th St., N.W., Washington 6, D. C.

Emission Spectroscopy School

Optical emission and x-ray emission spectroscopy as related to direct-reading instrumentation will be the subject of a school being conducted October 2 to 6 by Applied Research Laboratories, Inc.

The course, to cover fundamentals of both theoretical and instrumental aspects, will consist of lectures and laboratory sessions. The classes will be given at ARL's facilities, 20200 West Outer Drive, Dearborn 8, Mich.

Major topics include: origin of spectra, excitation sources, spectrometer design concepts, data recording and detection, equipment details and maintenance, methods and techniques, laboratory experiments and exercises. Tuition is \$200 per person.

Additional details, including application forms, are available from Applied Research Laboratories, P. O. Box 1710, Glendale 5, Calif.