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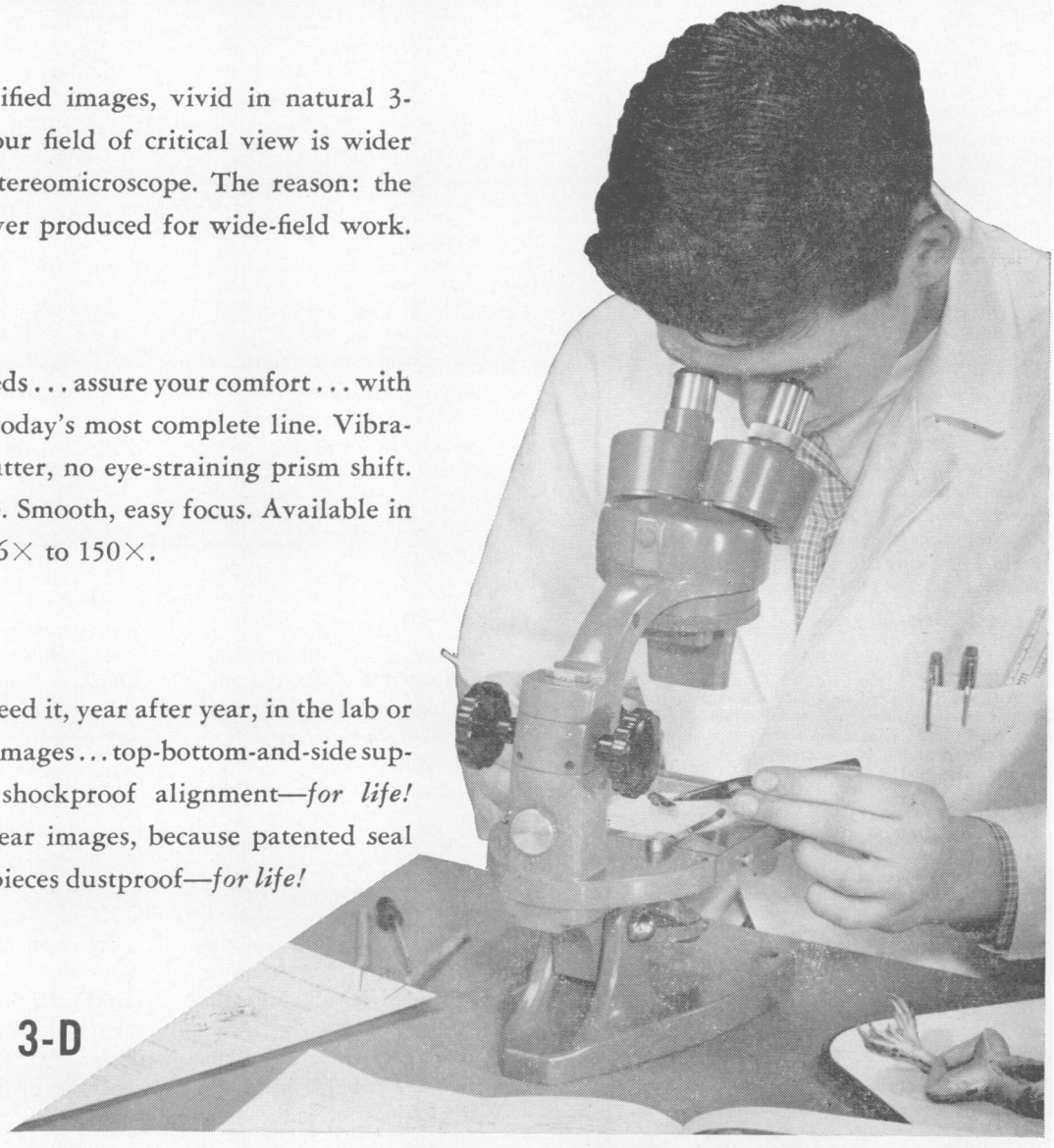

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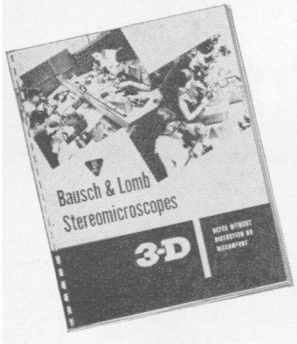

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Kodak reports to laboratories on:

looking through the microscope with movie film and camera . . . materials for autoradiography . . . keeping tabs on tocopherol

Cinephotomicrography

That motion pictures made through the microscope might have much value both as an investigative technique and as an aid to scientific communication and instruction doubtless occurred to thoughtful men in earliest nickelodeon days, if not before. Certainly the art has been widely and effectively practiced and improved since then, but how many laborers in the various vineyards have had too many other important and more difficult matters meriting their attention to give thought to what cinephotomicrography could do for them?

Therefore, with no loftier motive than moving a little merchandise, it may be that by publishing a new revision of the booklet, "Motion Pictures Through the Microscope," we shall accomplish the greater good of a seed dropped in the right place at the right time.

The booklet speaks of how to use a motion-picture camera to alter the apparent rate of events on a microscope stage, making them many thousandfold faster or four times slower, as desired; of the details of aligning camera with microscope; of illumination, exposure, color rendition, the defeat of vibration, and a hundred other petty points that distinguish exasperation from proud achievement.

A copy of "Motion Pictures Through the Microscope" (Kodak Pamphlet N-2) is obtainable without charge from Eastman Kodak Company, Sales Service Division, Rochester 4, N. Y.

Cinephotomicrograph by E. J. Farris.

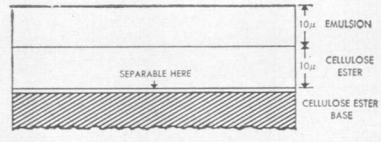
Artist's choice

Autoradiography is the art of arranging for a radioactive substance to take its own picture. In calling it art, we choose our word with care, for everyone who practices it has his own problems and his own solutions, which he knows are better than anyone else's solutions.

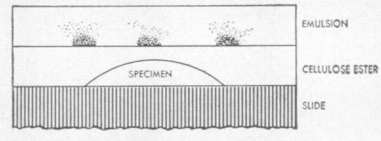
Some prefer to bind their subjects in contact with photographic plates. For them we supply *Kodak Autoradiographic Plates, Type A* or *Type No-Screen.* The former are chosen for fineness of grain, the latter for high sensitivity. Both have emulsions about 25μ thick that locate β- or γ-emitters.

Some want plates with emulsions up to 200μ thick, in which paths of individual β- or α-particles are long enough to be plotted back to their origins. For them we supply *Kodak Nuclear Track Plates* in five different sensitivities and six different emulsion thicknesses.

Some prefer to peel the sensitive emulsion off its base and lay it down on the subject. For them we make *Kodak Autoradiographic Stripping Film, Type NTB,* that comes like this



and winds up like this,



the impermeable layer serving to protect the emulsion and the specimen from each other.

Some who strive for best resolution of blackened areas (rather than of individual particle tracks) want a thin emulsion and are more interested in how close to the specimen they can get it than in how well they can separate the two. For them we have *Kodak Autoradiographic Permeable Base Stripping Film,* where the emulsion is only 5μ thick and mechanically supported by 5μ of plain gelatin that provides support between the peeling and the mounting steps, goes on the outside after mounting to protect the emulsion during exposure, and is permeable to the solutions during processing.

Others find this breadth of choice too narrow. Only with liquid emulsion, these brave souls plead, can they get the radiosensitive layer exactly where they want it and as thick or as thin as they want it. But we, who have worked with liquid emulsion for 75 years, know what delicate, perishable, and variable stuff it is and that its handling is no whit less important than its composition and compounding.

Believe us, it is neater all the way around to solve your autoradiographic problems with one of the above-italicized plates or films, obtained from a Kodak dealer. Nevertheless, those who have concluded that only liquid emulsion will do may state their cases by letter to Eastman Kodak Company, Special Products Sales Division, Rochester 4, N. Y., and await developments. Yes, and we even go so far as to offer free reprints of the recent Nucleonics *article, "Alpha-Particle Autoradiography with Liquid Emulsion."*

996 on E

One of the services we talk about in the bold type at the bottom of this page is the compilation of annotated bibliographies of vitamin E, a task we assume by virtue of our position as supplier of that vitamin to the pharmaceutical and feed industries. The new Volume III, covering only '52, '53, and most of '54, abstracts 996 scientific communications. It is utterly dispassionate, advancing no proposition other than that vitamin E occupies the attention of a great many chemical, physiological, and clinical investigators the world around.

The more the merrier. Dr. Norris D. Embree, Director of Research, Distillation Products Industries (Division of Eastman Kodak Company), Rochester 3, N. Y., is always prepared to consider requests from professionally qualified investigators for experimental quantities of d*-alpha-tocopherol or its derivatives. If all that is wanted is a copy of Volume III, his secretary will see to it.*

This is one of a series of reports on the many products and services with which the Eastman Kodak Company and its divisions are . . . *serving laboratories everywhere*

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