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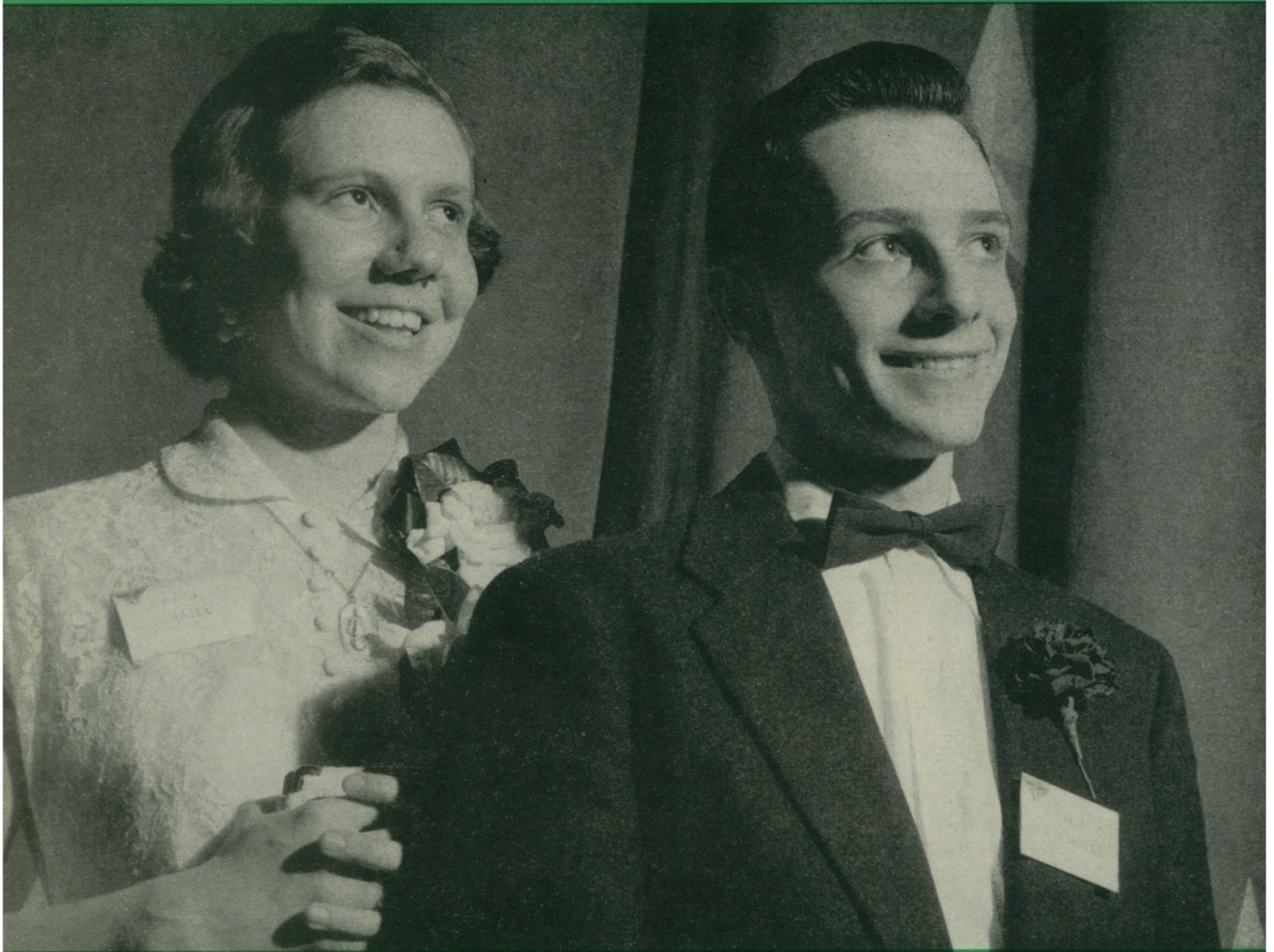
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SCIENCE NEWS LETTER

®

THE WEEKLY SUMMARY OF CURRENT SCIENCE



Top Talent Winners

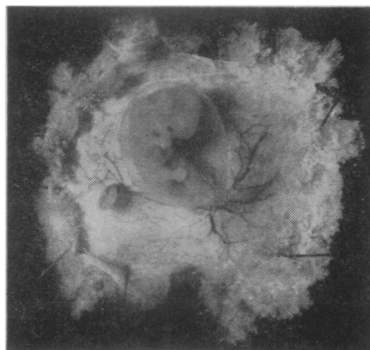
See Page 164

A SCIENCE SERVICE PUBLICATION

Kodak reports to laboratories on:

magnificent pictures of the human embryo... what a curious chemist found...
making capital of the 35mm camera

The beginning



This is a 39-day human embryo. The chorion has been opened and pinned back to show the fetus in the intact amnion.



This is a 10-week human embryo in the intact amnion. The uterus has been opened to show embryo and fetal membranes *in situ*.

These are two of 14 photographs reproduced in "A Chart of Human and Primate Embryonic Development." They begin with a photomicrograph that shows sperm clinging to the periphery of the ovum and end with a 56-day embryo.

These magnificent pictures have been supplied us by the Carnegie Institution of Washington, Department of Embryology. The chart is on heavy paper, 32 inches wide and 22 inches high. The supply is limited. We are now prepared to present a copy without charge to any person or institution who will assure us that it will be used under conditions

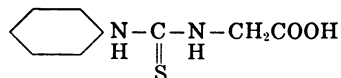
consonant with the dignity of the subject.

Requests should be addressed to Eastman Kodak Company, Medical Division, Rochester 4, N. Y. No gagsters need apply.

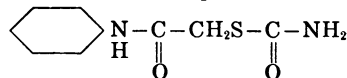
The strange and wonderful aspects of the analytical reagents business

Eastman Organic Chemical No. 734 has been successfully used during the past 35 years for the determination of cobalt and copper.

All these years we have been making (and selling) this reagent under the impression that it was phenylthiohydantoic acid, with the structure



Now one of our men has had occasion to doubt this and has proved most convincingly that the correct structure of the compound is



Accordingly we have renamed it α -Mercaptoacetanilide Carbamate. We shall still be happy to supply abstracts of the analytical procedures employing it.

Things like this will happen once in a while, and there's nothing to be gained by pretending they won't.

Glad we've straightened that out. This is only one of the some 3500 organic compounds we try to keep track of and on hand for the needs of the world's laboratories. Current List No. 39 may be obtained free of charge from Distillation Products Industries, Eastman Organic Chemicals Department, Rochester 3, N. Y. (Division of Eastman Kodak Company).

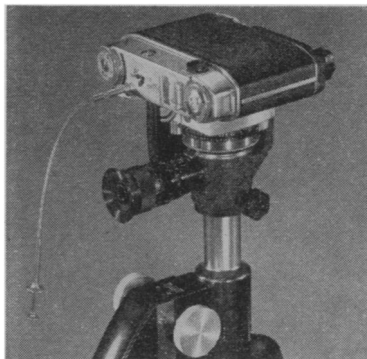
Set of tools

"Kodak Retina" designates a system of 35mm still photography built around a new camera we are just introducing into the United States. We have no illusions about the number of people in a position to make full use of such a set of photographic tools. (Not that the Retina IIIc outfit is particularly costly. It'll hardly be noticed in a

capital equipment budget.)

Switching the front half only of the lens gives a choice of a normal-angle 50mm focal length to make permanent records of fleeting facts (it's $f/2$), an 80mm telephoto that gets details from afar, a wide-angle 35mm focal length for taking inventory of a situation photographically in close quarters. To be able to do this trick on a 24-ounce camera without optical degradation—that's new. The Retina IIIc camera contains an accurate photoelectric exposure meter, a 1/500-sec shutter, and means for correlating them without algebra. Coupled range-finder, of course, combined with a projected-frame viewfinder, and all the controls that the most meticulous worker could want.

This is no Sunday-in-the-park job. True, it will catch your boy in action at a ball game, but it will also



enter into marriage with a fine microscope to do some much-needed photomicrography that has been put off because a full-scale installation has seemed a little overexpensive. Or, if exquisitely detailed, larger-than-life photographs of small specimens or parts would be helpful in your records or reports, the Kodak dealer can provide details about the Retina equipment that has been designed for these purposes, too.

You can't expect to find Retina IIIc cameras distributed as widely as mass market merchandise. What counts is that a world-wide organization stands behind the camera with accessories and readily available, detailed counsel on their use.

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

Kodak
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