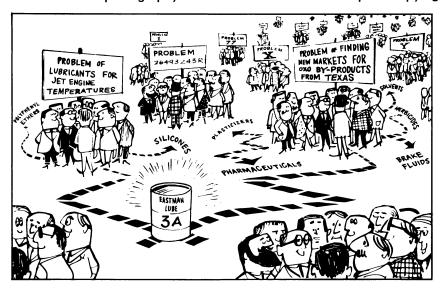
Kodak reports on:

how modern scientific research is organized...an easy introduction to the chemistry of photography...new life for the old telescope or copying camera



The hot oil project

That, roughly, is how these things develop. The principal constituents of Eastman Lube 3A are straight-chain fatty acid esters of trimethylpentanediol, a compound obtained by a certain setting of the valves at our "oxo process" plant in Longview, Texas. No other of the 16 currently accepted 350 F lubricants does so well in the crucial lead corrosion test as Eastman Lube 3A, which doesn't even require a special additive to keep it from attack-

ing lead after six months. On the other crucial tests demanded by MIL-L-7808C, Eastman Lube 3A makes out OK. Those who need further facts to be impressed can write Eastman Chemical Products, Inc., Kingsport, Tenn. (Subsidiary of Eastman Kodak Company), where friendships formed at a comparatively cool 350°F are expected to warm with the hot pursuit of lubricity to higher temperatures but never in themselves to prove lubricous.

Rave notice

Here is a review of a book entitled "Photo Chemistry in Black-and-White and Color Photography." Since the work was written by the head of the Photographic Chemistry Department of the Kodak Research Laboratories and published by the firm which is paying for this space, the review had darn well better be favorable.

Accurate and well thought out the book certainly is. The very act of acquiring a copy affords pleasure. You visit a camera shop and browse among the gleaming new wonders of Kodak's Automatic Age in Photography. Possibly you buy one. Then you recall that even in an age of button-pushing, principles underlie buttons. You proceed to the Kodak literature corner and look for the title.

It may not be there. In that event you show this advertisement to the clerk, thereby convincing him that the book actually exists and that moreover it would mean an easy \$1.25 sale for him if he would but order it for you. He, in turn, may convince you that it would be simpler to send \$1.35

to Eastman Kodak Company, Sales Service Division, Rochester 4, N. Y., and get it directly by mail. See how it goes.

Acquisition accomplished, comes time to take the measure of the book's content and worth.

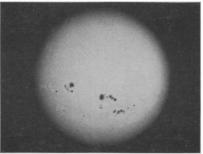
The early chapters could well be for the kiddies, the bright ones that start training early for eminence at the Science Fair. That simple is the author's approach to the photographic process and its history, though he writes for an adult who may lack knowledge of the difference between an element and a compound, yet keep up the payments on a split-level by his skill at something like color printing. Even here provocative tidbits sneak in. Do you know the difference between chemical and physical development? Between the preparation of a printingout and a developing-out emulsion? What silver iodide does in an emulsion?

The pace quickens. By page 53, where the chapter "Chemistry of Color Development" begins, the reader is already watching dimethyl-p-phenylanediamine and α -naphthol react with

silver bromide to form indophenol blue for the dye image. Soon he is following the reasons for the numerous ingredients of an actual color developer, as we add them one by one.

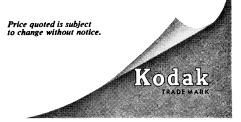
124 pp., including index. A triumph of exposition, theoretical and practical. You are welcome to quote that.

De orbe ... de urbe



This picture of the solar disk with sunspots and bright faculae was taken on Kodak Autopositive PB Film at the prime focus of a 6-inch f/15 reflecting telescope at 1/100 second without a filter or any interposed optics. The 3/4" negative image can stand a lot more enlargement. Alas, there is no room for that here, or for an explanation of why this particular film was chosen. To read all about it, send for a preprint of "Solar Photography" to Eastman Kodak Company, Special Sensitized Products Division, Rochester 4, N. Y. If you've made a reflecting telescope and sometimes wonder why, you may find a soul-satisfying answer in that article.

The space here must serve more pressing needs having to do with another product called "Autopositive," the new Kodagraph Autopositive Projection Paper. This paper you put in an enlarger or copying camera and use for reproducing drawings or documents at any desired magnification or minification. Black photographs black, and white photographs white. The negative-to-positive jazz is avoided, and even the conventional hypo fixing bath is replaced by a jet of plain water. For information on where to buy it and how to use it, write Eastman Kodak Company, Graphic Reproduction Division, Rochester 4, N. Y.



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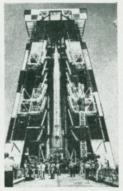
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THE MOON. Scientists may set foot on the moon within a few years. Learn how it was born, how it orbits, how it affects earth; about its giant craters and mountains.



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THE UNIVERSE is so vast that even Man's most powerful telescopes cannot find its outer limits. The Milky Way of which our sun is a part is only one of billions of galaxies.

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