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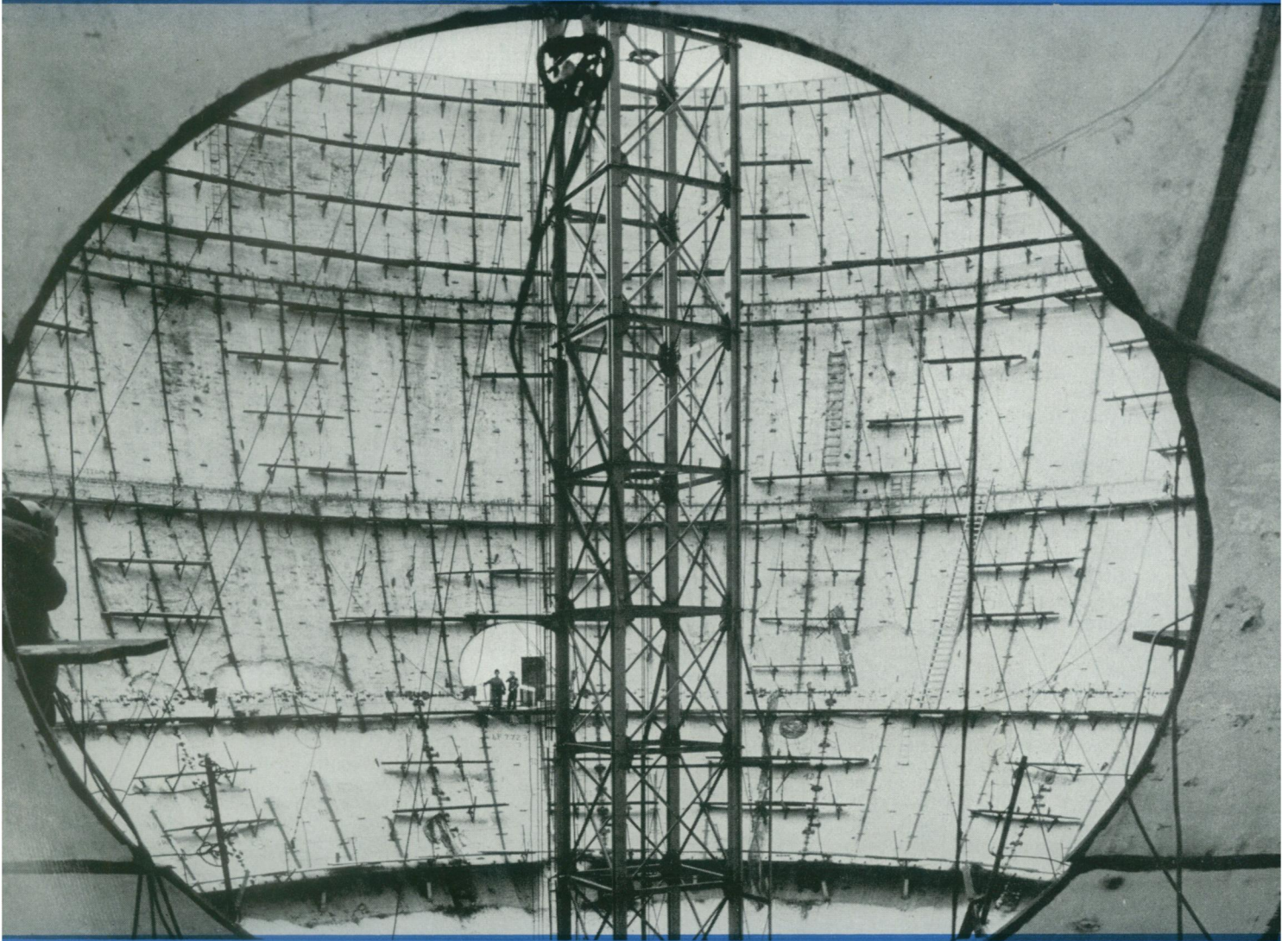
April 25, 1953

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# SCIENCE NEWS LETTER

®

THE WEEKLY SUMMARY OF CURRENT SCIENCE



**Atomic Sphere**

See Page 271

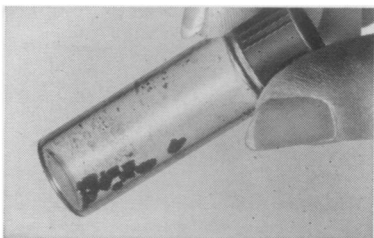
A SCIENCE SERVICE PUBLICATION



## Kodak reports to laboratories on:

super infrared sensitivity... a very minty ketone... solving the record storage problem... a photorecording paper for high temperature processing

### Infrared sensitizer



The granules in the vial above represent a very significant advance in man's kit of tools for examining the nature of the physical universe. It is a new Kodak sensitizing dye for infrared-sensitive plates. We have no need to exaggerate its importance. For studies on, say, the main helium emission line at 1080  $m\mu$ , it gives the 200-inch Hale Telescope on Palomar Mountain as much space-penetrating power as a fantastic 900-incher would have had a year ago. (Thermonuclear reactions involving helium are, for better or worse, very interesting these days.)

We do not sell Kodak sensitizing dyes as such, but you get the new one now in Kodak Spectroscopic Plates and Films of Class Z sensitization, wherein photographic sensitivity goes out to 1200  $m\mu$ —farther than any other sensitizer commercially available. The spectral distribution of sensitivity remains the same as before, but it has been reported that where the previous Class Z sensitization required a 4-minute exposure, the new one requires only 12 seconds.

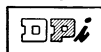
*Kodak Spectroscopic Plates and Films of Class Z and other sensitizations—in many emulsion types and many sizes—are sold by the Kodak Industrial Dealer in your locality. It is advisable to get in touch with Eastman Kodak Company, Industrial Photographic Division, Rochester 4, N. Y., before placing an order.*

### Essence of an essence

*Pulegone*, a ketone isomeric with camphor, is now available from us to serve the needs of those delvers into the mysteries of olefaction who like to work with a pure chemical

entity and don't like to bother laboriously separating it out of pennyroyal oil. Very minty in itself, it is readily converted into other minty materials. Under as little as 12 mm Hg pressure, its boiling range is way up at 95-98 C. Currently we are asking only \$1.40 for 25 grams of it.

*In addition to Pulegone (Eastman 6739) we supply over 3500 other organic chemicals for science and industry. For a copy of our catalog, write to Distillation Products Industries, Eastman Organic Chemicals Department, Rochester 3, N. Y.*



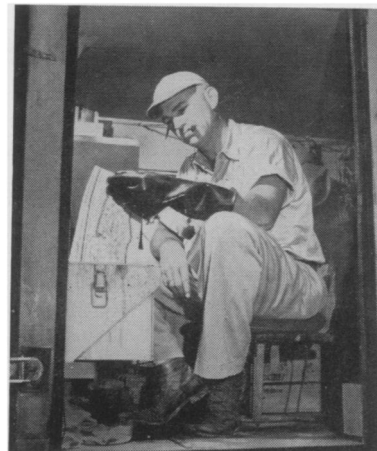
### New microfilmer

If you have not yet taken effective steps toward an orderly solution for the vexing problem of laboratory record preservation, we have a concrete suggestion—the Recordak Junior Microfilmer. A new model went on the market this year at \$1550. This may seem like a stiff outlay for a device that will never point to new directions in scientific insight. But picture the peace enveloping the administrative mind secure in the knowledge that every notebook page, every table of data, every scrap of significant luncheon-table doodling, in a project involving many hands and many months, is safely captured in a small reel of 16mm film. The new microfilmer not only does the photography (36:1) but also projects the finished microfilm back (1:34). It takes documents up to 9½" by 14", and by a twin-lens system lays each successive pair of images side by side on the film. Reel length is 200 feet, but shorter lengths can be removed for processing at any time. Projected image quality is good enough for photocopies on Kodagraph Projection Paper.

*The new Recordak Junior Microfilmer is demonstrated and sold by the Recordak Corporation, a subsidiary of Eastman Kodak Company, with offices at 444 Madison Avenue, New York 22, N. Y. If your microfilming requirements are not of a continuing nature, you may wish to rent one for \$25 a month.*

### Hot-clime photorecording

Out in the world's lonely places roam the oil hunters, the field seismographic parties setting off their small explosions and recording the stratigraphically reflected or refracted vibrations on Kodak Linagraph 480 Paper. Some of the lonely places have climates such that a tank of processing solution can get scalding hot to the touch. Hot-clime seismographers could, if necessary, work out some refrigeration arrangement to achieve the recommended 68 F, but it would be a lot more convenient if their photographic paper could stand processing at temperatures as high as 120 F. On this point we have news: it can. Not only does



the new Kodak Linagraph 480 Paper take such treatment in stride, but it gives blacker traces on clean, white backgrounds and a surface with more "tooth" for pen or pencil notations. All this without a change in the speed range, which people count on as a constant in a Kodak sensitized material.

*Seismographers and all others requiring a photorecording paper that can stand high-temperature processing should ask their Kodak dealers for Kodak Linagraph 480 Paper, Type 1272. (Those last digits are important.) It comes in a great variety of sizes and spoolings, details of which are obtainable from Eastman Kodak Company, Industrial Photographic Division, Rochester 4, N. Y.*

**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**  
TRADE-MARK