

SCIENCE

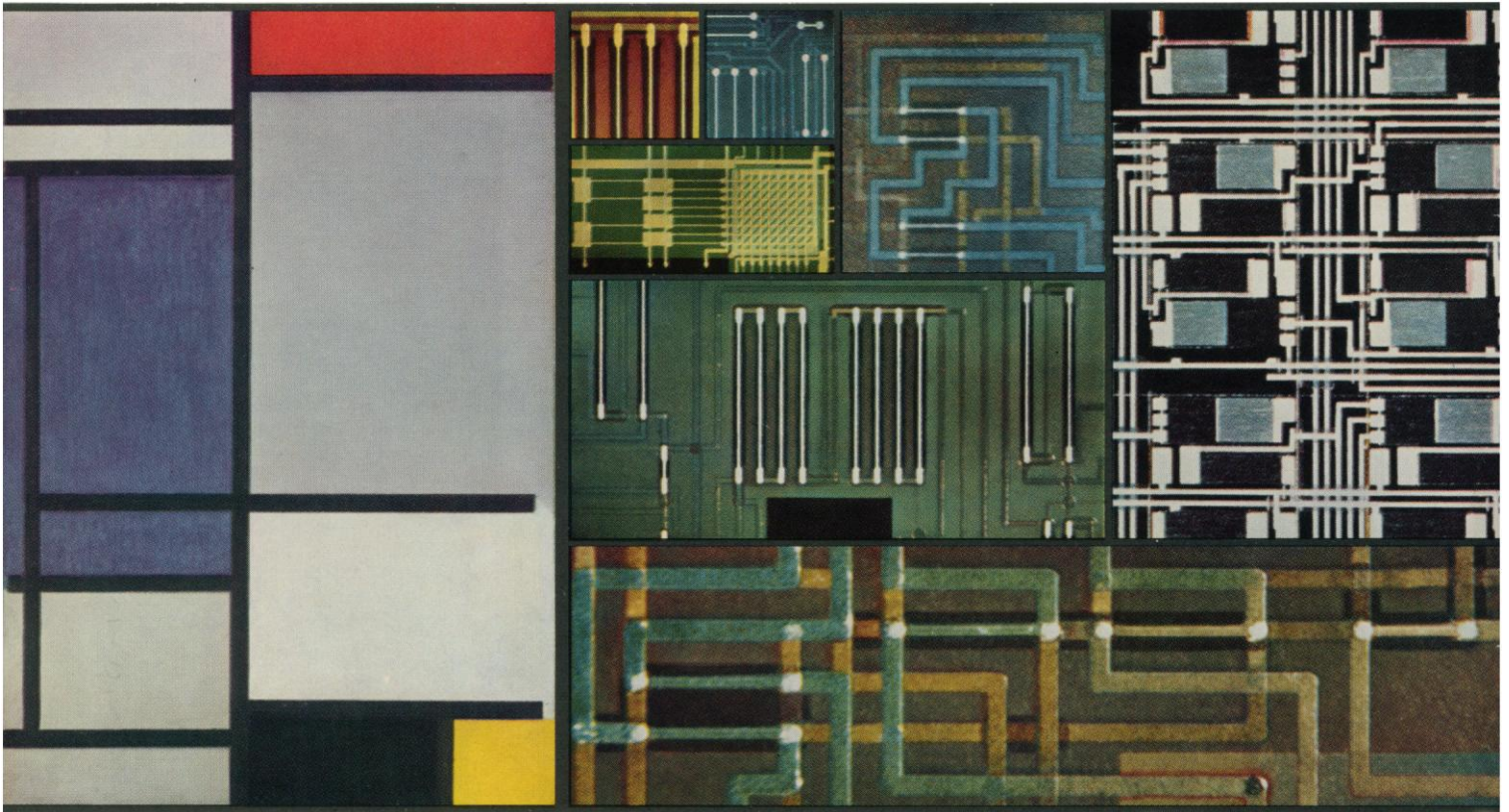
31 August 1962

Vol. 137, No. 3531

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE



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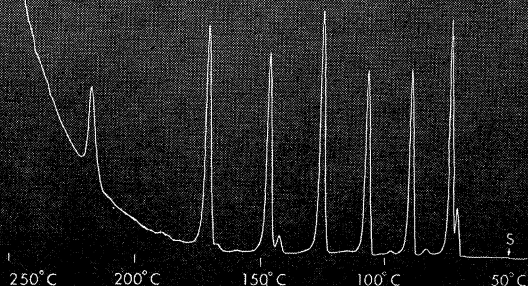
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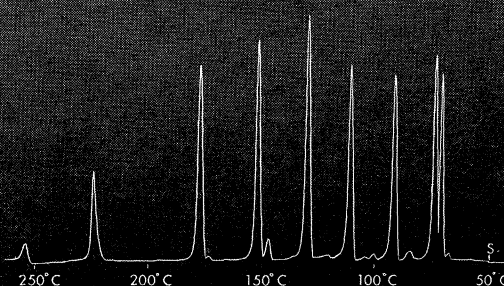
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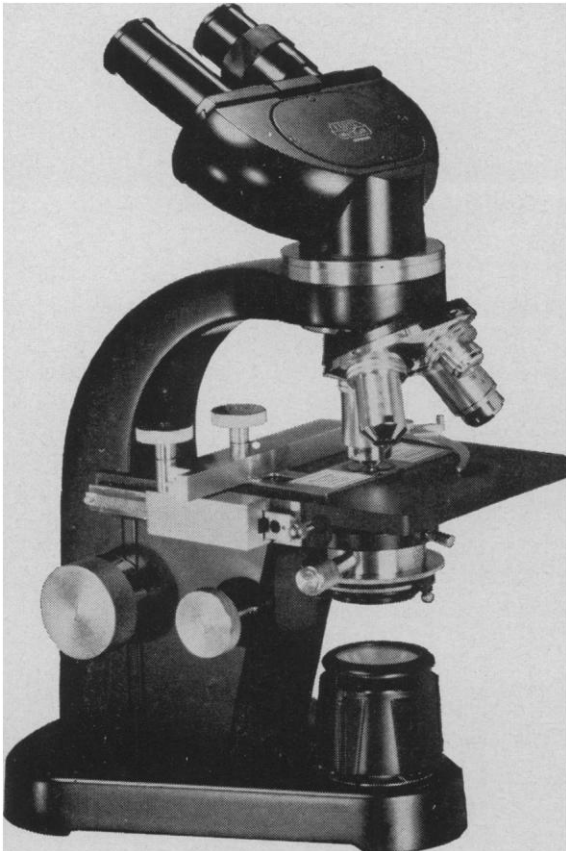
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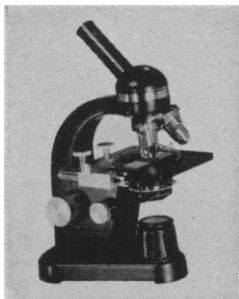
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Cover	Transmission electron micrograph of a vapor-deposited aluminum oxide platelet. Micrograph shows diffraction effects as dark contour lines that terminate abruptly at a tear in the platelet (about $\times 2800$). [General Electric Co.]	

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1895—

In 1895, shortly after he became editor of *Science*, James McKeen Cattell wrote to George F. Kunz, mineralogist and gem expert, describing the purposes and policies of *Science*. There has been so little change in the objectives of the journal that it seems of interest to publish Dr. Cattell's letter. Except for the first paragraph, it reads:

"A journal such as *Science* aims to aid materially in the advancement of science in America and at the present time. We have no one centre—such as London and Paris—where men of science are stimulated by personal contact and the interchange of ideas, and the great physical distances make social intercourse difficult or impossible. Then, at the present time, it is of especial importance for men of science working in one department to be informed of what is being accomplished in others. In order that science may advance as a whole, specialization by each requires co-operation by all.

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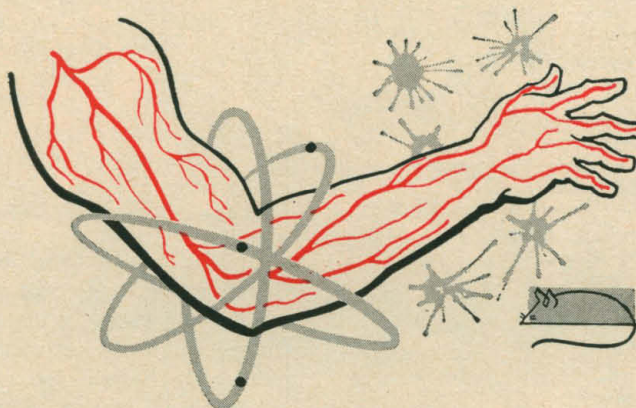
"I think we should all agree as to what is needed. Special researches should as a rule be published in the special journals but the general results of such work—either before or after the detailed publication—should be reported in *Science*. Papers and addresses giving the progress and present condition of the several sciences and their branches are needed. Such addresses are often prepared for a special audience and their usefulness is greatly increased by publication in a journal such as *Science*. Authoritative reviews are needed, not perhaps minute criticism of detail, but such account and criticism as shall inform those, who are not specialists in the given department, what the book contributes to the sum of knowledge. Notes, particularly series of notes, covering work in a given branch of science are especially useful. Personal and other items are very important. Discussion, both of scientific problems and educational methods, scientific institutions and the like are particularly needed.

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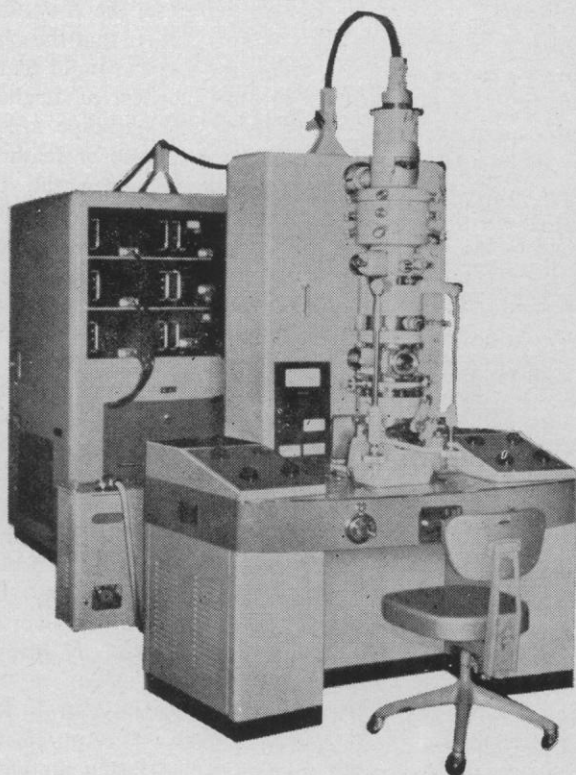


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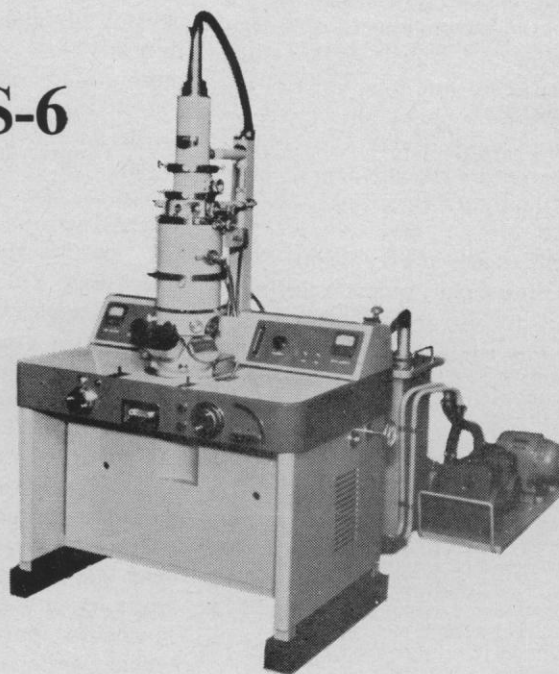
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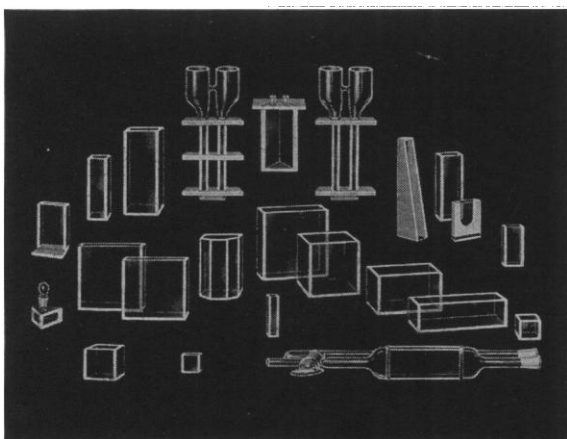
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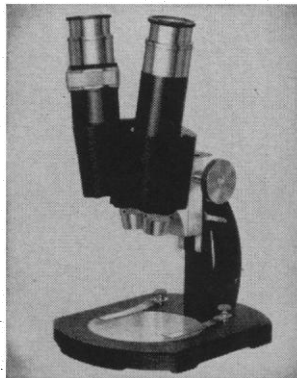
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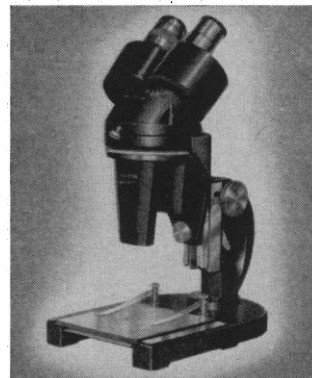
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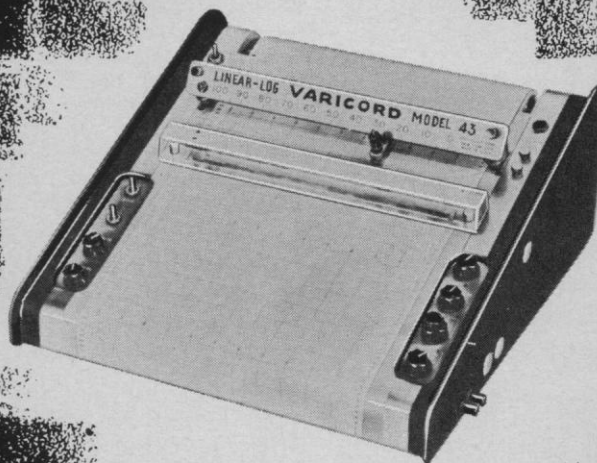
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