

Alaskan history, climate, paleoclimate, geology, geography, and ethnography. Informal, personal, laced with humor, touched with the imagery and drama of good literature, the book is very pleasant reading. Northern workers will find special pleasure in encountering eminent arctic researchers as personalities—the great Rasmussen, Geist, Jenness, Freuchen, Rainey, Larsen grinning warmly over a cold and empty pipe, and Collins, the dean of arctic archeology, who provides a graceful and enlightening introduction to the text. There are, as well, our heirs, the graduate students, and many Eskimos, who all come alive and without whose efforts arctic field research would be a far less pleasant game.

Giddings's account of the 1939 discovery of the famous Ipiutak site includes a grim description of the previous looting of that crucial site for a mindless tourist market. It leads me to lament the continuing destruction of Alaska's archeological heritage in the persisting absence of adequate state antiquities legislation. The book also underscores the distinguished role played by the University of Alaska in arctic anthropology. There is also here the best account I have read of Giddings's 1940 trip overland from Allakaket to Lake Norutuk and then down the Kobuk River to the sea—surely the most demanding solo trip ever made by a northern archeologist.

Happily, errors are rare indeed. Jenness did not spend four years in the arctic after 1913 (p. 151) for, belatedly learning of the war, he made his way south to serve overseas; Eigil Knuth's ongoing fieldwork in northernmost Greenland is rather more than "a few dozen miles from the pole" (p. 272); and the Dorset culture of the eastern arctic lasted a few centuries beyond the suggested date of A.D. 800 (p. 273).

Knopf has done a commendable job of publication, notably in the type and cover and especially in the liberal use of photographs, drawings, and maps. The dust jacket, however, strikes me as awful. Its pseudo-primitive representations of Eskimos and their artifacts bear no relation to the quality of Eskimo life, or to the quality of this book. One may readily recommend this book to those interested in the arctic or the Eskimos, to anyone interested in learning what archeologists do and think and, of course, to every Eskimologist.

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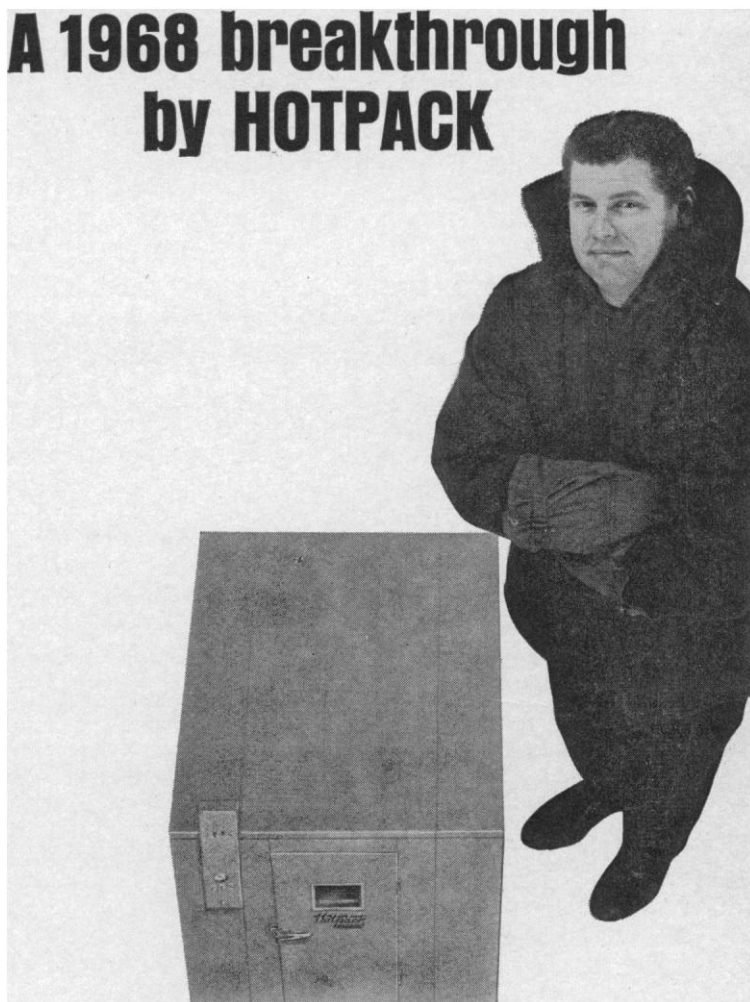
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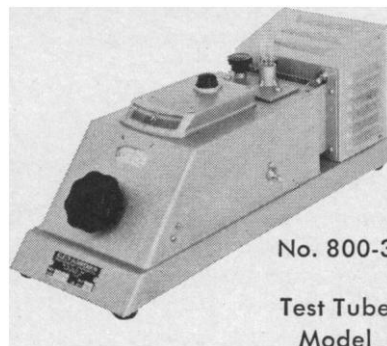
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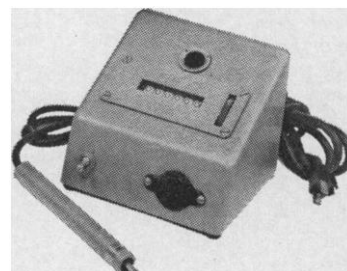
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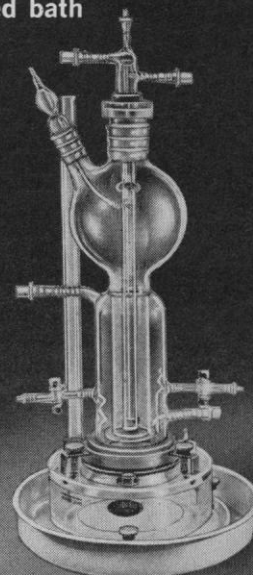
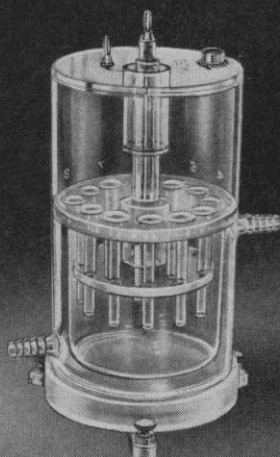
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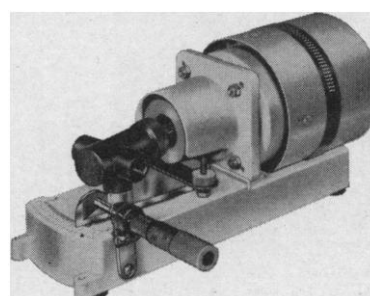
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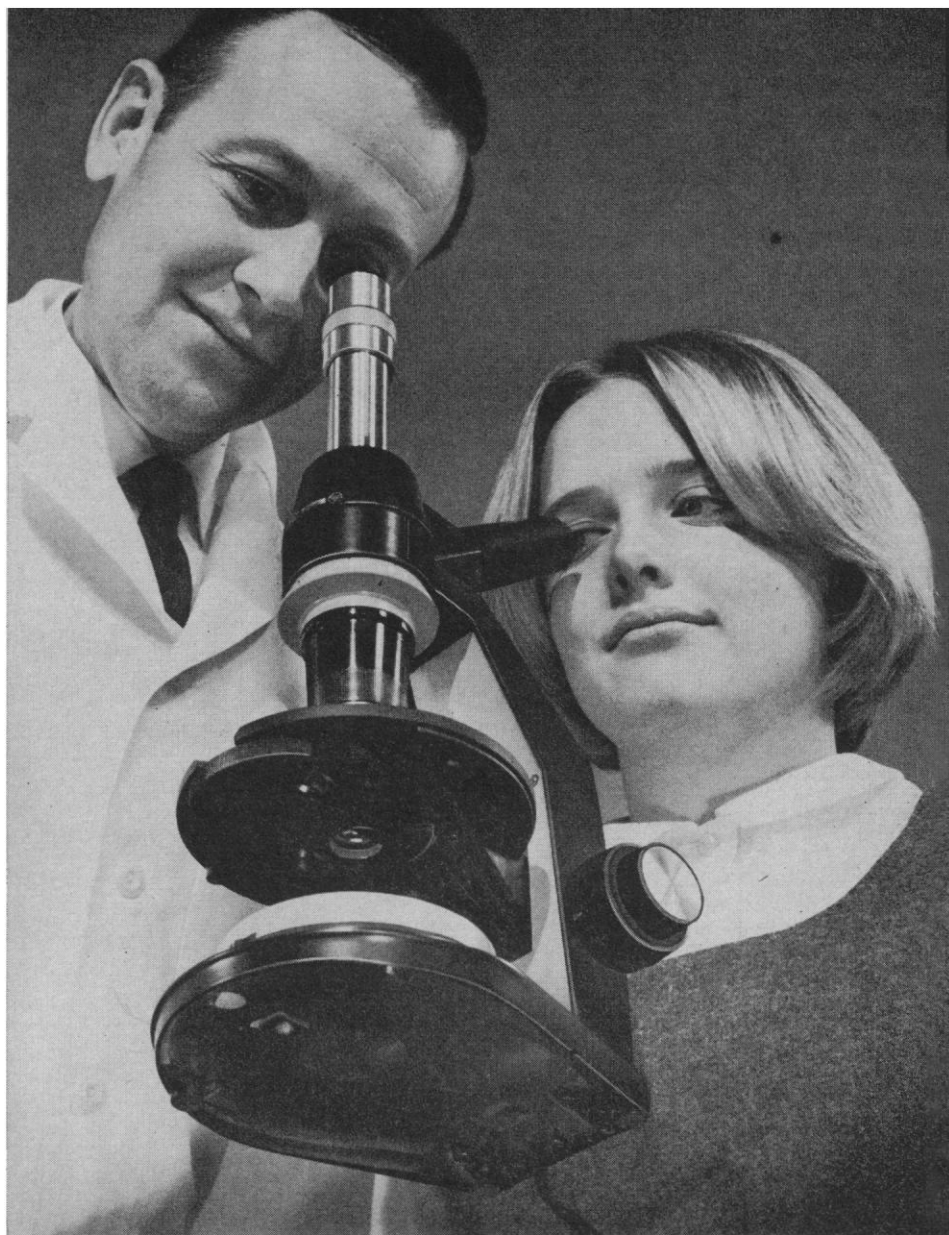
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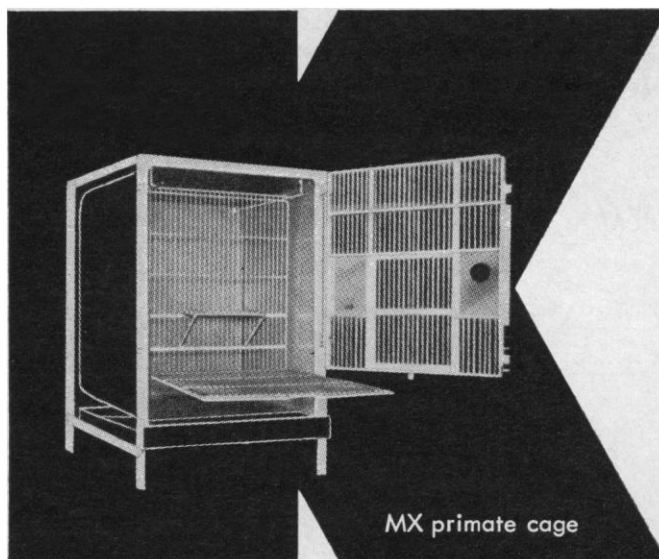
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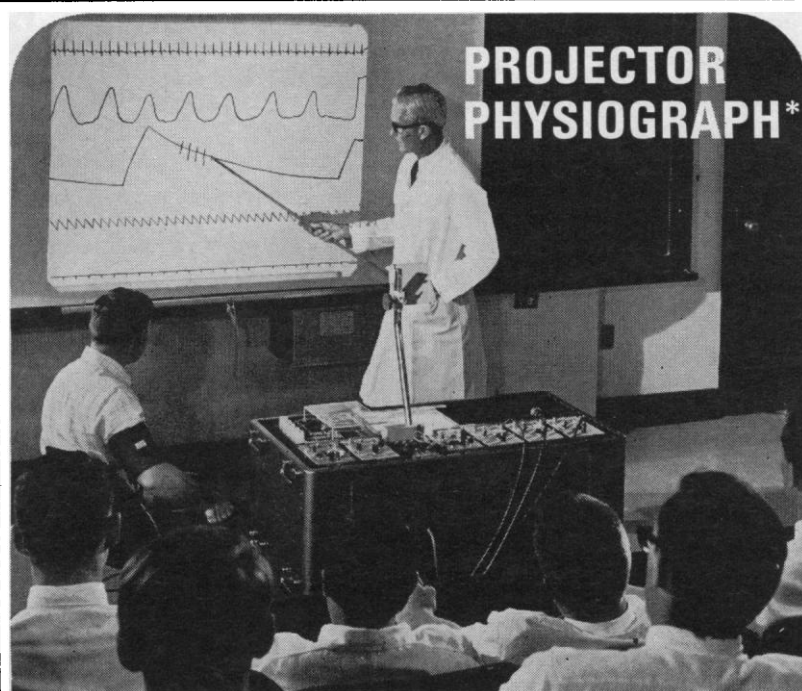
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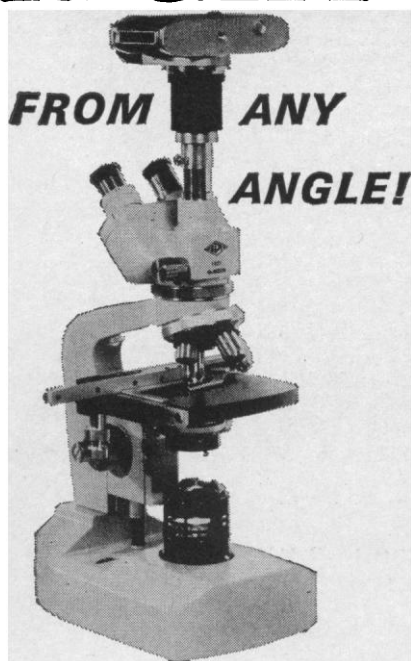


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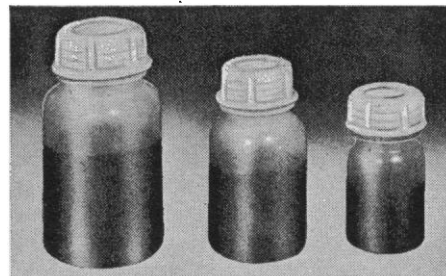
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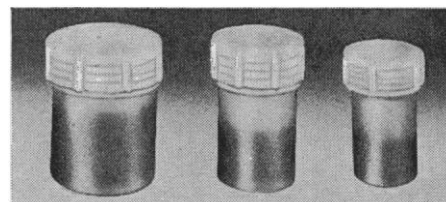
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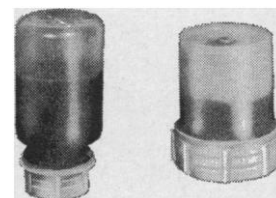


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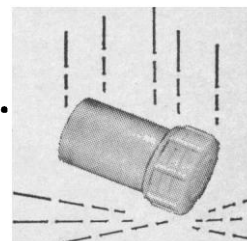


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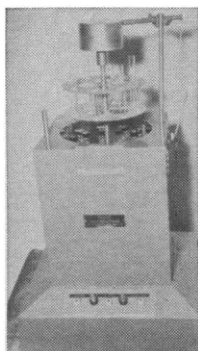
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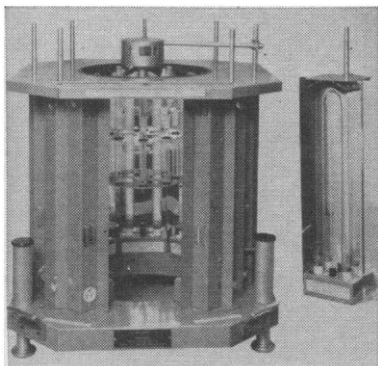
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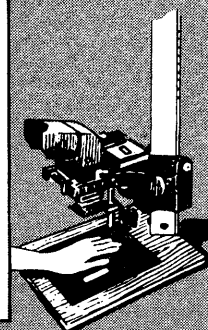
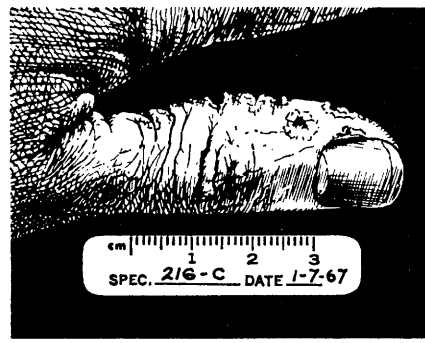
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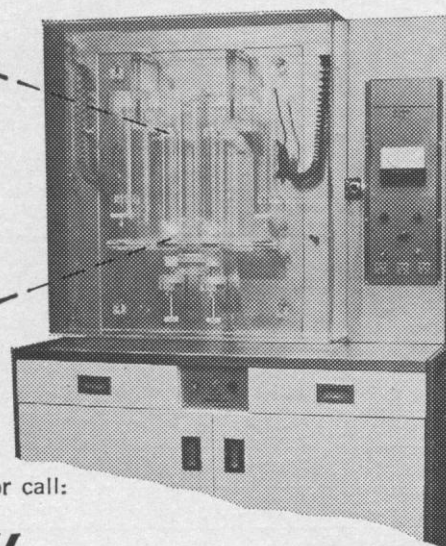
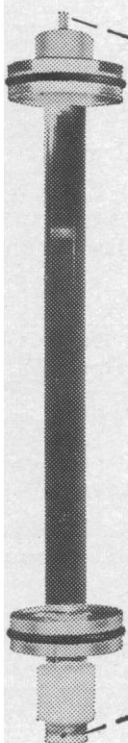
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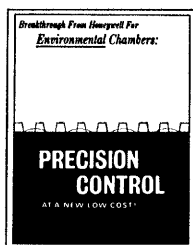
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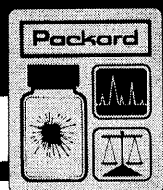
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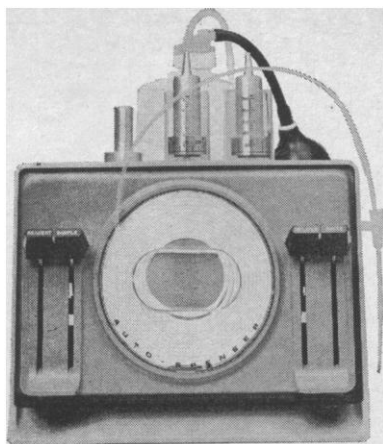
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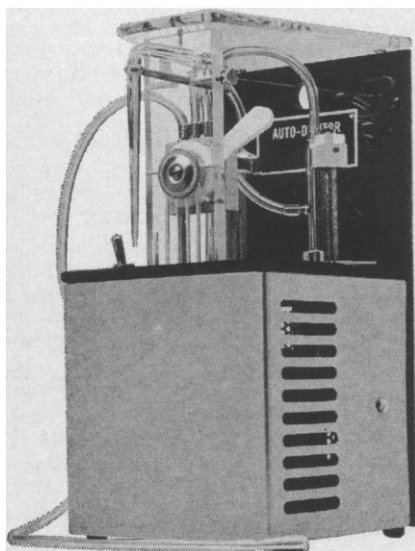
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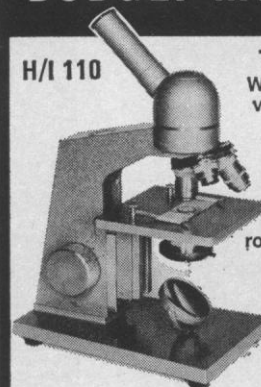
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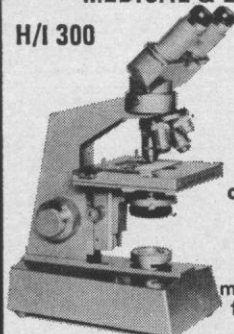


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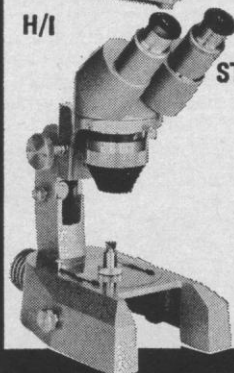
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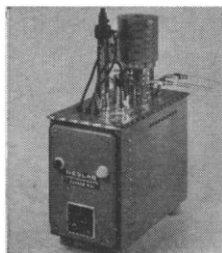
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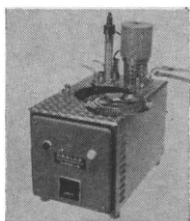


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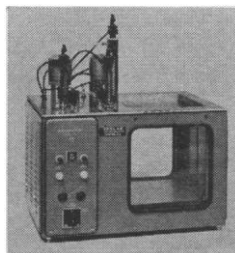
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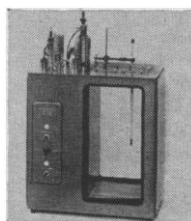
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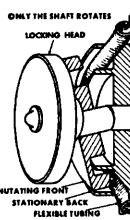
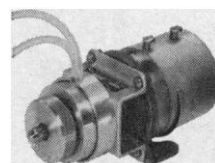
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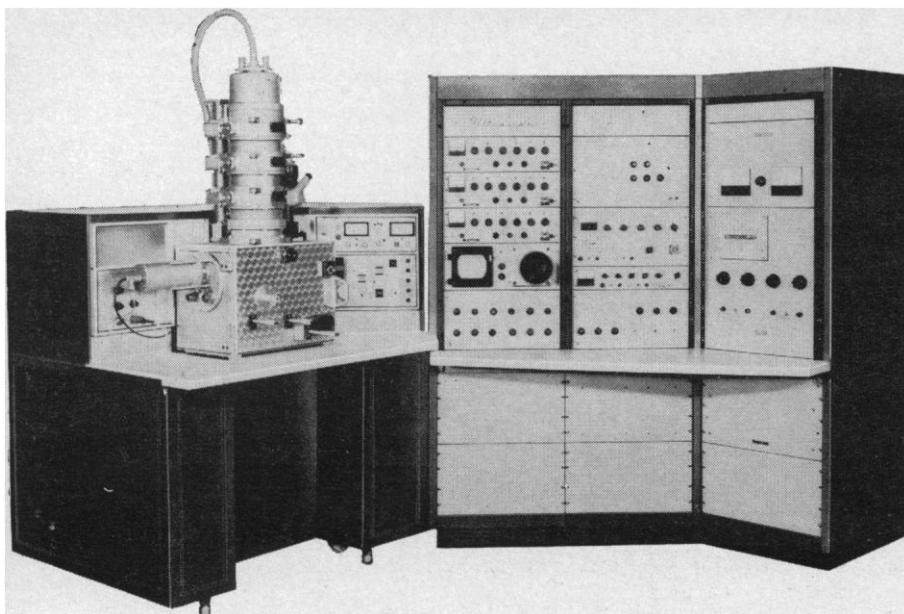
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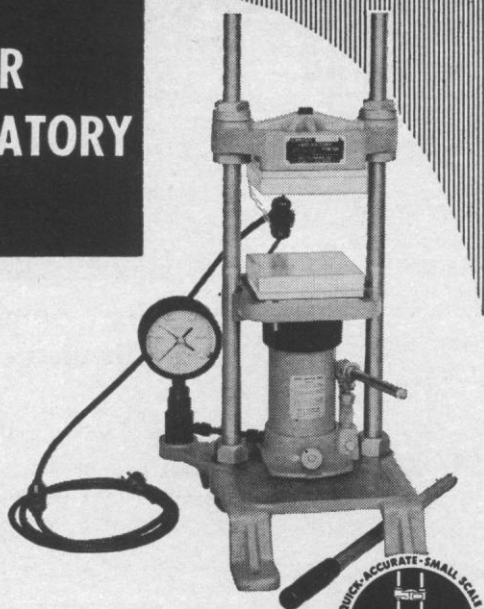
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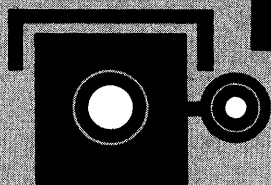
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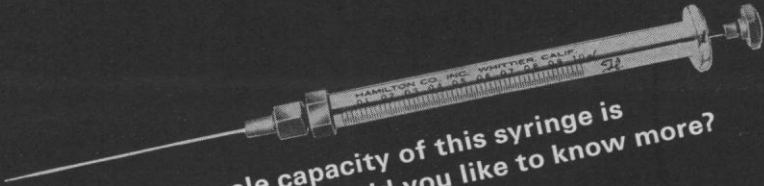
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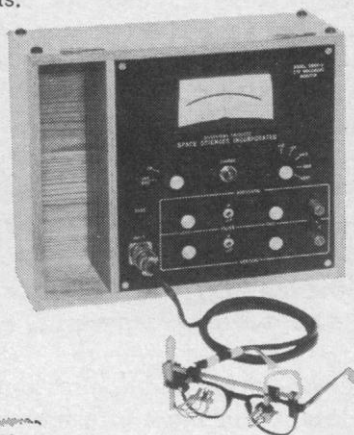
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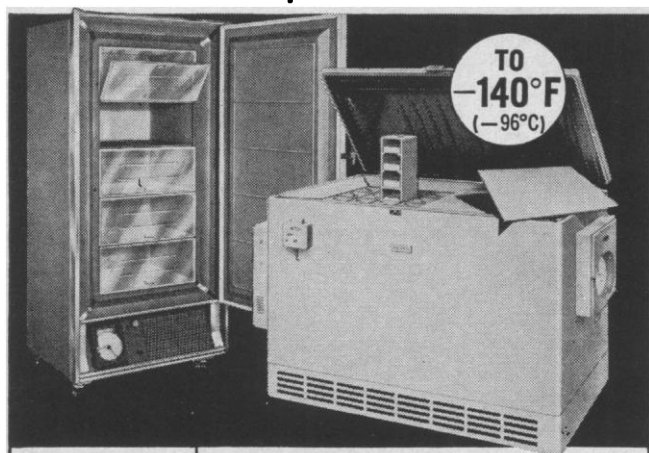
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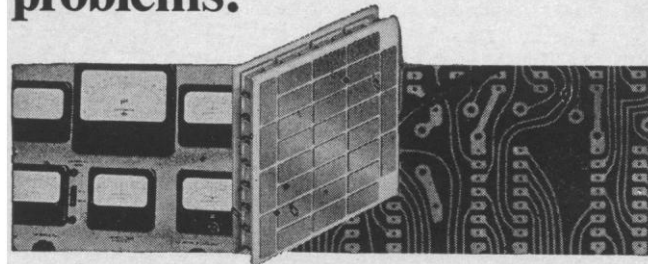
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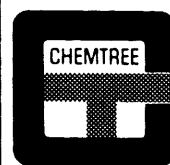
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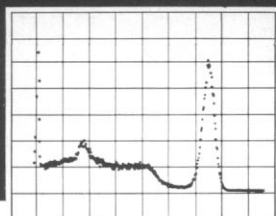
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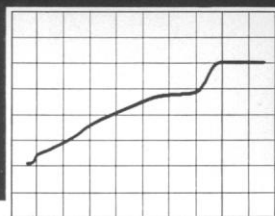


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- ☐ Four-input or single-input multiscaling, single-sweep or repetitive.
- ☐ Time-of-flight spectroscopy
- ☐ Pulsed neutron counting
- ☐ Signal averaging, with up to four simultaneous analog inputs
- ☐ Time and amplitude histogram computing, statistical or sequential
- ☐ Auto- and cross-correlation

Here's how Intertechnique's new SA 43 and SA 44 differ from ordinary single-purpose analyzers. The modular design of both instruments lets you match input processing logic exactly to your experimental requirements. As those requirements change, simply plug in a new module and you're back on line.

Once accumulated in the analyzer's 800 or 4000 channel memory, data may be added, subtracted, normalized, integrated or differentiated by pressing a front-panel pushbutton. Front-panel controls let you select any portion of the memory contents for arithmetical processing or for readout to an X-Y plotter, typewriter, printer, paper tape punch or magnetic tape recorder.

The SA 43 and SA 44 offer far more capabilities for on-line data acquisition and reduction as *standard features* than any other multichannel analyzer can give you... even with a rack of extra-cost options. For more details on how Intertechnique can help you solve your on-line data processing problems, contact:



INTERTECHNIQUE

INSTRUMENTS INC.

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Affiliates in

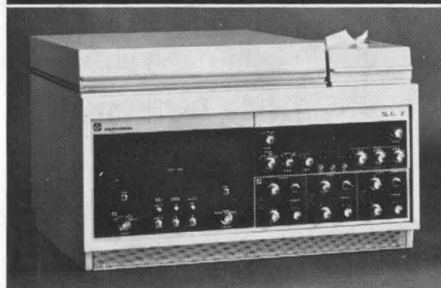
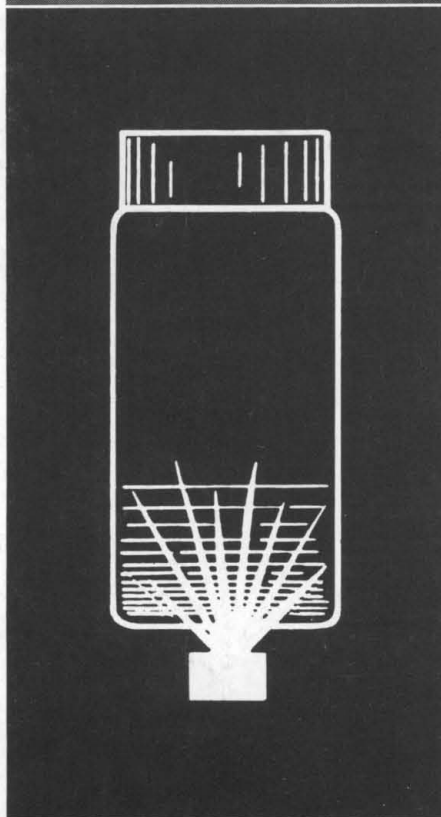
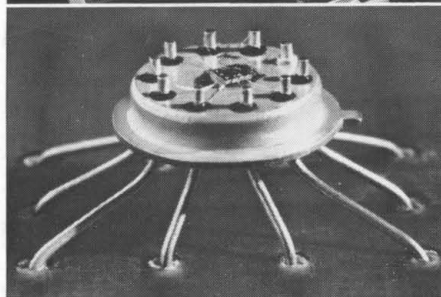
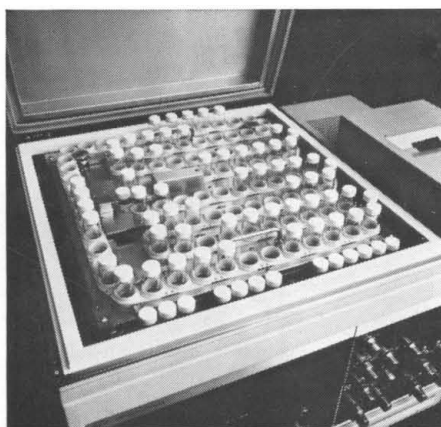
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WORLD'S LARGEST PRODUCER OF MULTICHANNEL ANALYZERS

A point of view on

COUNTING ENVIRONMENT

There is no room for compromise in the counting of your liquid scintillation samples. Which means counting in a stable environment with a reliable system. Which means a controlled-temperature Unilux® II.



After you go to the time and expense of carefully preparing liquid scintillation samples, you shouldn't have to worry about the reliability of your data. You don't have to with a Unilux II System. We provided the necessary counting environment to make sure your data is dependable.

First, we drastically reduced complex electronic wiring and soldering through the use of integrated circuits. Your benefit is a remarkably trouble-free system.

Integrated-circuit systems are more stable, because the integrated circuit itself isn't subject to the normal deviations of the many individual components it replaces. More system stability, more dependable data. Simple.

Next, we created a stable environment for the sample itself—by cooling the samples and detector at a controlled, constant temperature. A proved method that eliminates most room-temperature counting problems and ensures reproducible data.

Quenching instabilities are taken into account, too. That's why Unilux II uses barium-133 as an external standard. Ba^{133} quenches much like H^3 and C^{14} , so when the sample spectrum shifts, the Ba^{133} count rate follows along. This enables our "calculator-with-the-memory" to develop quench correction curves that cover a wide range of sample counting efficiencies. Wider than with any other automatic method and substantially less volume dependent.

The Ba^{133} standard is in the right environment too—centered directly under the sample vial to minimize inaccuracies caused by variations in sample volume and vial-wall-thickness.

Your Nuclear-Chicago sales engineer will tell you more about the relation of counting environment to dependable data. Call him or write directly to us.

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We try to work to a point of view: yours.



NUCLEAR-CHICAGO CORPORATION

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349 E. Howard Ave., Des Plaines, Ill. 60018 U.S.A.
Donker Curtiusstraat 7, Amsterdam W.