



This sponge

By eliminating the disadvantages of earlier methods, the Triosorb Sponge has achieved a real breakthrough in thyroid testing. **It is an in vitro test unmatched in accuracy, speed and convenience.**

Accuracy: Because factors such as red blood cells and exogenous iodine have been eliminated from consideration in the Triosorb Test, it is unmatched in accuracy.

Speed: With only 3 washes and no need for double pipettings, shakers, or incubators, the Triosorb Test can be

revolutionized thyroid testing!

more rapidly performed than any other T-3 test.

Convenience: Triosorb is in a disposable kit ready for immediate use at room temperature, making it the simplest and most convenient thyroid function test to perform.

McAdams* reported that "The resin sponge (Triosorb) technique is superior to the erythrocyte method for performing the I^{131} T3 test in terms of simplicity, convenience and elimination of errors characteristic of the erythrocyte procedure."

Triosorb is available to all doctors, hospitals and clinical laboratories—AEC licensing is not required. Because Triosorb will enable far more screenings to be performed, this procedure may soon become as standard as today's blood counts and urinalyses.



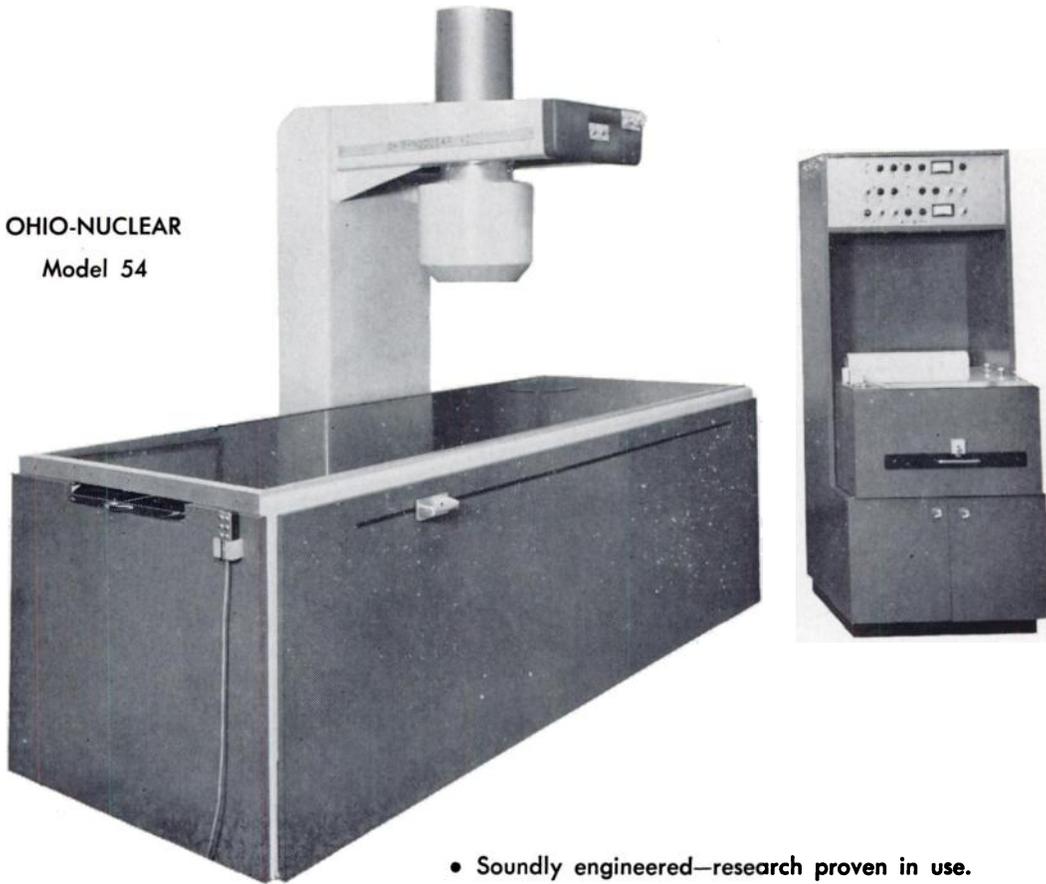
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*McAdams, G. B. and Reinfrank, R. F., *Jrnl. Nuclear Med.*, 5:112, Feb., 1964.

TRIOSORB®
T-3 DIAGNOSTIC KIT
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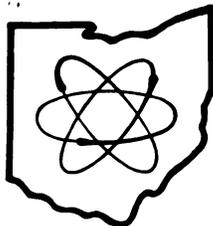
OHIO-NUCLEAR
Model 54



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- Soundly engineered—research proven in use.
- 200 inches (500 cm) per minute scanning speeds.
- Choice of above or beneath table scanning.
- Dual Scanner capability—now or later.
- Gammagraphic Photoscan & Dot-tapper.
- Prompt service by capable factory engineers.
- 5-inch crystal scanner price—\$16,750.
- 8-inch crystal scanner price—\$20,700.

For Full Information WRITE OR CALL US • WE BELIEVE YOU WILL BE GLAD YOU DID.

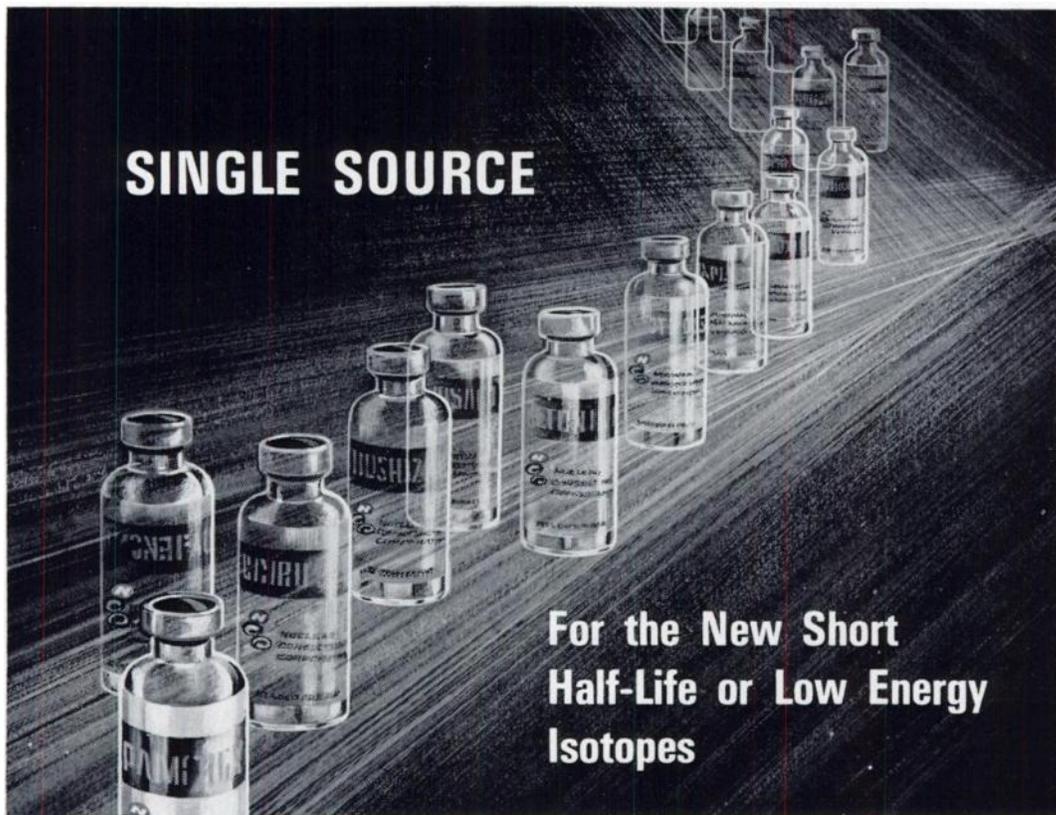


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Chlormerodrin-Hg²⁰³

 Proven brain and renal scanning agents. Hg¹⁹⁷ available at lower cost through NCC's "Controlled Decay" program.

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 For improved spleen scanning. Much simpler and more convenient than heat treating tagged red cells. MHP-Hg²⁰³ also available for experimental use.

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For Scanning Brain...Thyroid...Liver...Lung



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Supplies ample material as sodium pertechnetate for daily use. Economical for as few as seven or eight brain scans per week. New #1810 Shielded Dispenser available — simple semi-automated method of obtaining sterile solution.

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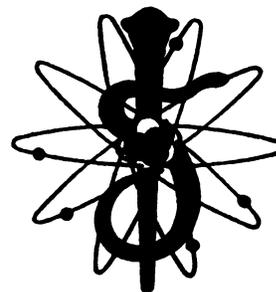
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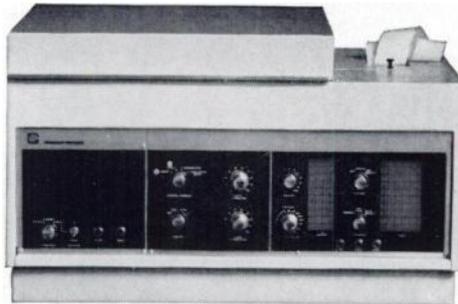
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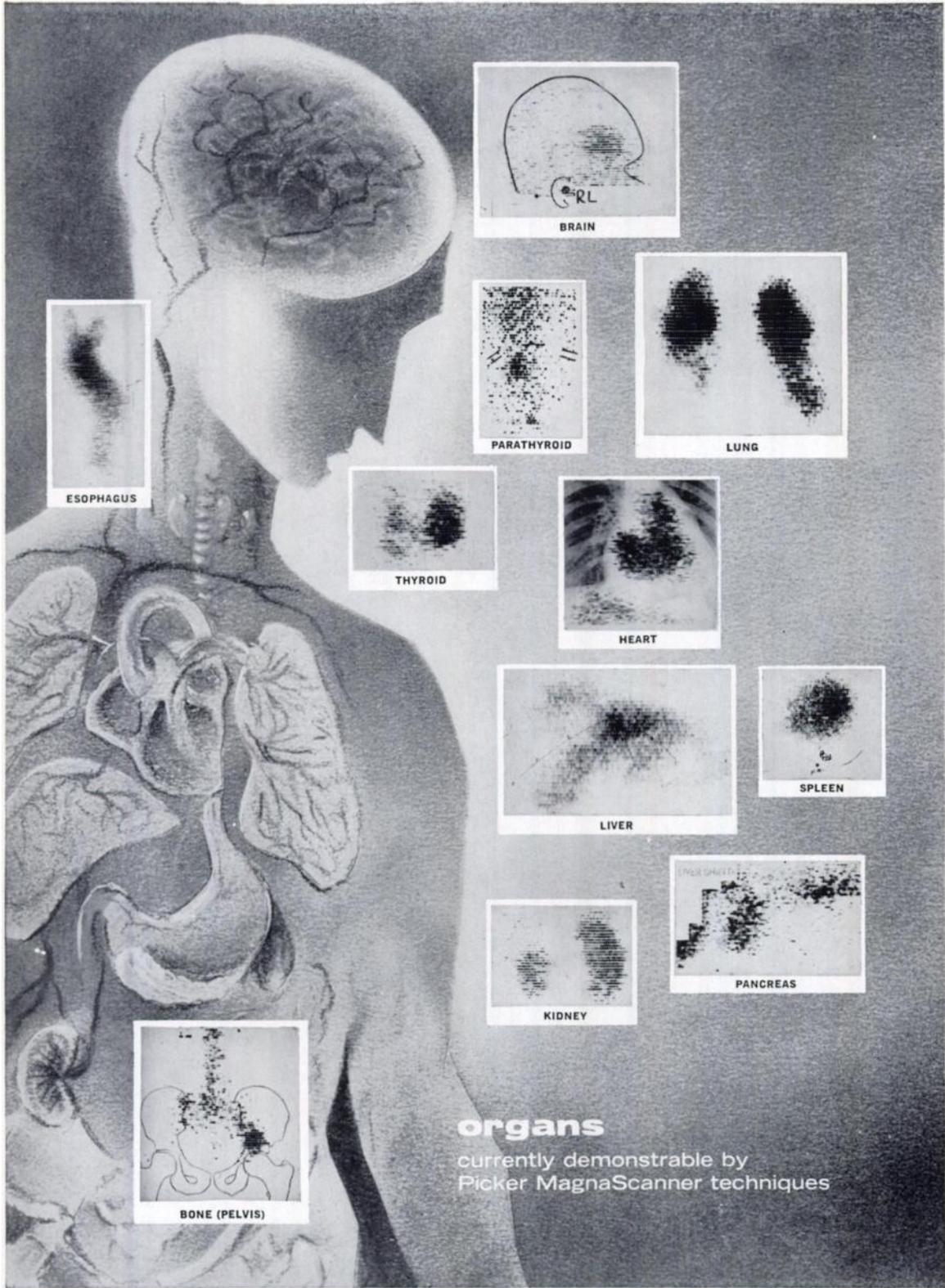


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NEW TRESITOPÉ® DIAGNOSTIC KIT

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fast...accurate...reproducible in vitro thyroid function test

SQUIBB's new and practical Tresitope Diagnostic Kit is completely self-contained. The reverse side of the package insert becomes the record sheet for test results. And the kit contains 10 capped vials with 0.5 cc. Liothyronine ¹²⁵ Buffer solution (activity does not exceed 0.1 microcurie per vial), 10 plastic tubes of resin powder and 10 separate droppers, to avoid cross contamination.

New Tresitope offers a reliable and accurate method of in vitro evaluation of thyroid function. The ¹²⁵ labeled material does not emit beta rays to affect the stability of liothyronine and it has a longer half life than ¹³¹.

When Tresitope is employed for in vitro procedures, the resin uptake values are un-

changed by prior use of exogenous iodine and by the presence of certain non-thyroid factors that can affect the results with any other technique. Tresitope may be used with infants, children and during pregnancy without risk because the patient is not exposed to any ionizing radiation.

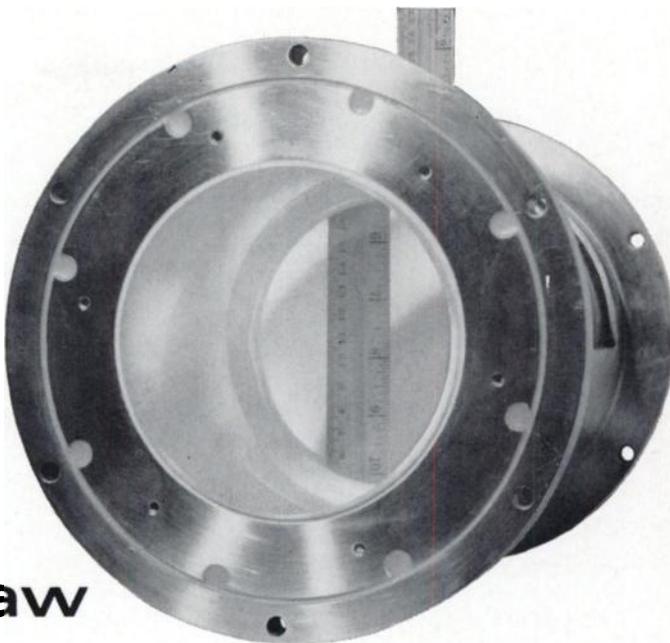
For greater convenience and more rapid diagnostic discrimination, without the risk of contamination to your patient or to laboratory equipment, and with less radiation exposure to the technician, specify Tresitope for testing thyroid function.

Your own isotope clinician is prepared to carry out this study for you. Ask him. For additional information on Tresitope, write to Professional Service Dept., Squibb, 745 Fifth Ave., New York, New York 10022.

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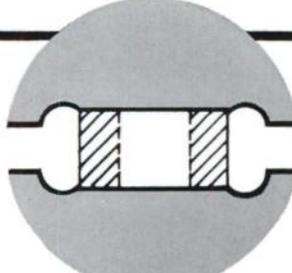
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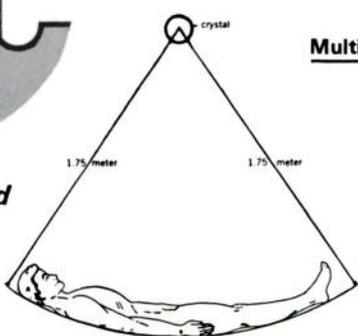
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NEW "LOG TYPE" SCINTILLATION DETECTORS



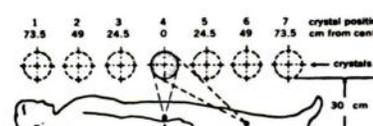
Low Background
light pipes of pure NaI shield against activity in the phototubes and external radiation.

Uniform cylindrical geometry for "arc" technique



Good Resolution

Well suited to **Multipoint Data Acquisition and Processing** for Localization of Activity in the Body as reported in ANL 6839

1	2	3	4	5	6	7	crystal positions cm from centre
73.5	49	24.5	0	24.5	49	73.5	
							crystals

30 cm

$$C_1 = R_1X_{11} + R_2X_{12} + R_3X_{13} + R_4X_{14} + \dots + R_7X_{17}$$

$$C_2 = R_1X_{21} + R_2X_{22} + R_3X_{23} + \dots + R_7X_{27}$$

$$\vdots$$

$$C_7 = R_1X_{71} + R_2X_{72} + \dots + R_7X_{77}$$



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The new model 132 M manual scaler is a versatile, convenient instrument that even a near-novice can use with professional aplomb — and get results!

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this adds up to the very latest in scaler techniques — the 132 M — from the first family in nuclear instrumentation.

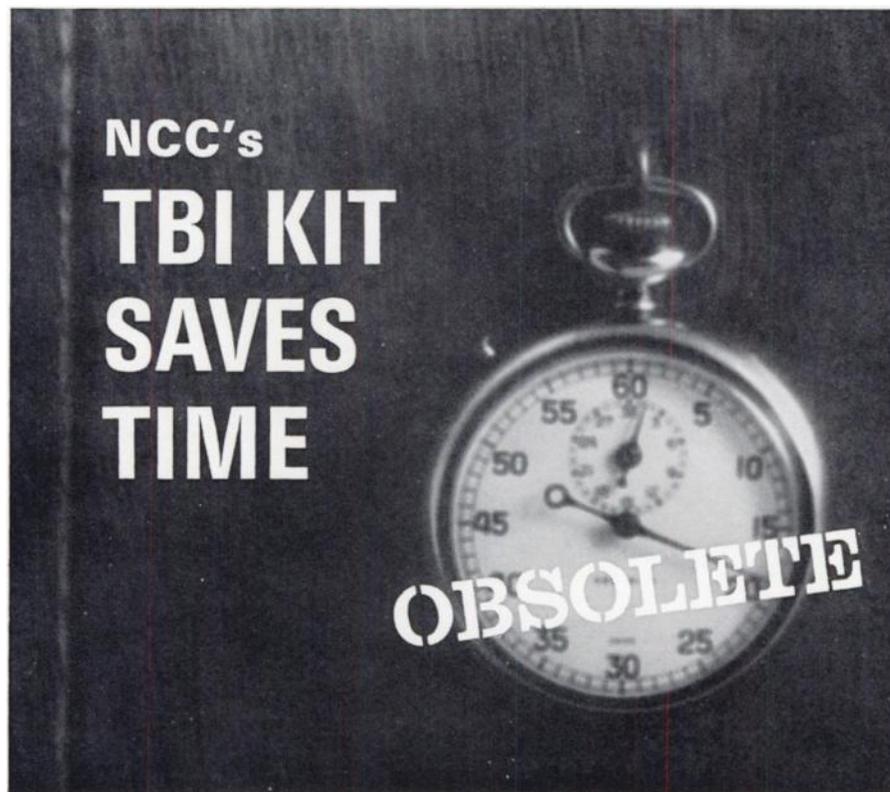


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The TBI Test by Nuclear Consultants Corporation — the easiest, most reliable* *in vitro* thyroid function test of them all. It eliminates exact "stopwatch" timing of each step. Saves valuable technician time from start to finish, and is lower in cost. Another demonstration of leadership in radiopharmaceutical products by the *specialist* — NCC.

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- TBI costs less, too. Permits use as a screening test.

*In tests performed on over 2200 patients, the TBI test was reported in agreement with final clinical diagnosis in over 90% of the cases. Ref.: Schofer, J. F., J. of Nuclear Med., May '63, p. 192.

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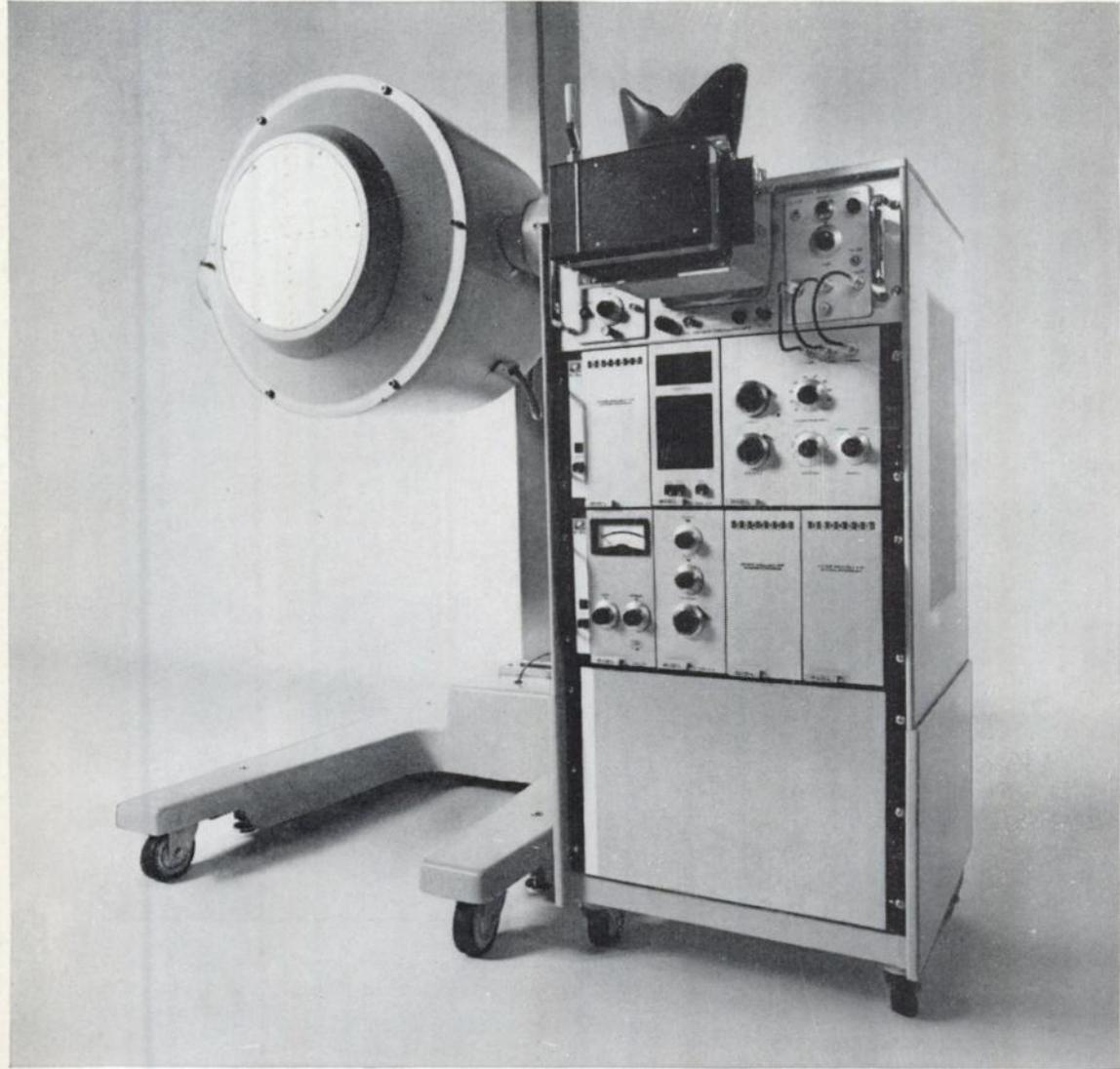


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