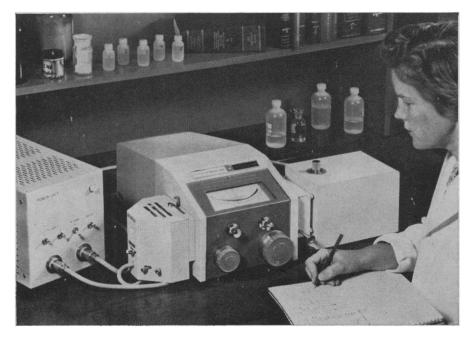
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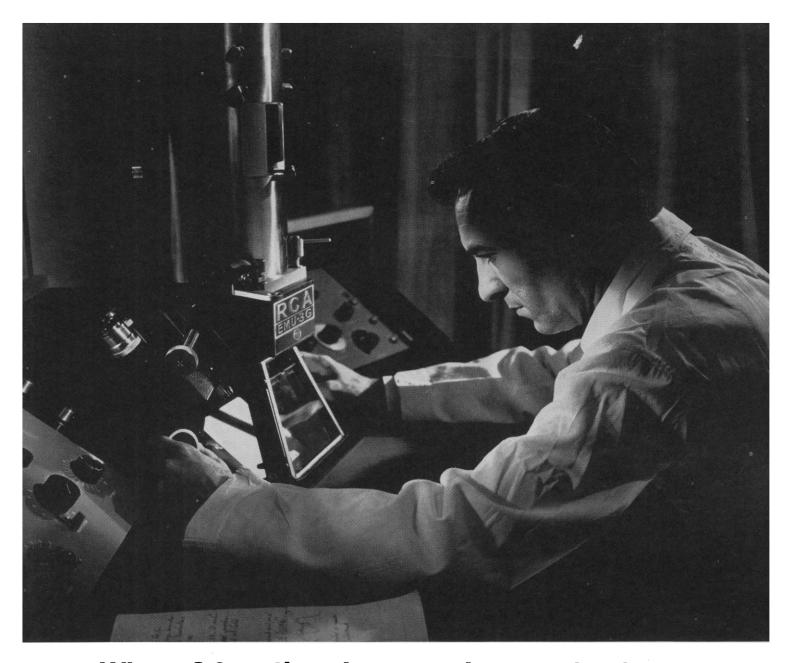
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A list of 26 nationally famous research organizations* shows that five or more RCA electron microscopes are used by each one. One of the largest industrial companies uses a total of 17. Four universities have 11 or more each. Such user-preference must be deserved. It is, for no other instrument excels the RCA electron microscope in reliability, versatility and production.

Today's EMU-3G offers many outstanding features. Routine operating functions have been largely automated. A new RF power supply provides high voltage with maximum stability. Completely automatic valving system reduces pump-down time to a minimum. Automatic switching of lens currents and adjustments means no additional manipulation is required

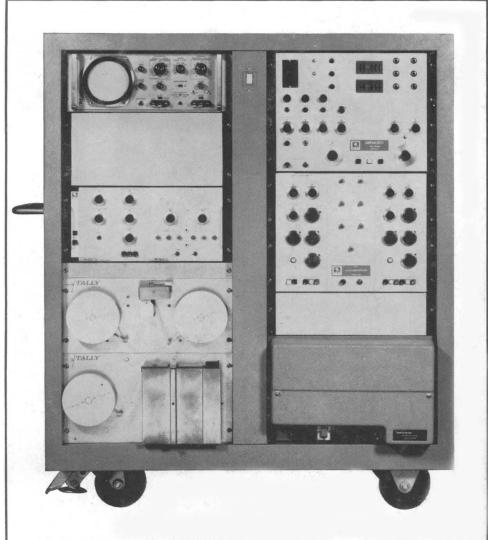
when changing accelerating voltages. The Universal Chamber and various stages permit thermal, mechanical, magnetic, and other specimen manipulations. Ten angstrom resolution or better is guaranteed in the customer's laboratory.

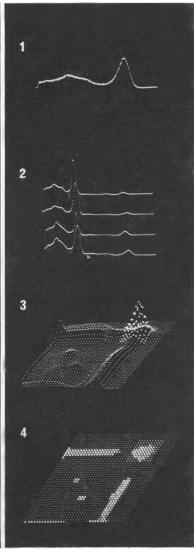
Ease of use, rapid scanning of specimens, step focusing in known increments, direct electron image magnification up to 200,000X, and fastest automatic valving make the RCA electron microscope the most productive as well as the most popular.

For complete information, write to RCA Scientific Instruments, Dept. KB-362, Building 15-5, Camden, N. J. In Canada: RCA Victor Company Limited, Montreal.

*Names available on request.







RIDL Model 22-102 Nuclear Counter-Computer consists of 22-01 1600-Word Memory, 22-03 Dual ADC, 29-1B Instrument Case and Power Supply, 52-56 5-in. Display Oscilloscope, 52-52 Data Processor, 52-53 Punch/Type/Read Matrix, 44-15 Tally Punch, 44-23 Tally Reader, 44-25 Monroe Printer, and 29-23 Cart.

Pictured at right are four of a number of display and operating modes with sodium-22 spectra: **1.** Single-parameter analysis mode provides resolution consistent with most solid-state detectors. **2.** Typical multiple single-parameter application—shown here is 2×400 coincidence simultaneously with 2×400 anticoincidence. Dual 2×800 mode is also available. **3.** Multiparameter 40×40 coincidence operation with Region of Interest intensification. Other multiparameter coincidence groups are 16×100 , 8×200 , 4×400 , 2×800 . System can also be used to monitor data for computer input and analysis. **4.** Unique peak volume integration provided by two-parameter Region of Interest selectors and data level controls which intensify and define area ($x \times 100$) in which peak lies and count level above which integration will be performed.

RIDL 1600-CHANNEL ANALYZER SYSTEMS OFFER VERSATILE READOUT AND DATA HANDLING ABILITY

In addition to the analysis modes portrayed above, versatile RIDL 1600channel systems provide for multiscaler operation and applications involving time as a "y" parameter. In the latter case, spectra are stored sequentially in time making the system well suited to half-life spectra studies.

Multiple detector operation for up to 16 detector inputs is accommodated by Model 30-27 Mixer-Router. Spectrum analysis/synthesis and peak area integration provisions in the 22-102 system are available as accessories to other systems in the 1600-channel analyzer family.

The dual ADC is available separately and is directly compatible with on-line computers. A computer-compatible magnetic tape system is also offered as an accessory.

Switch-selected wired programming assures simplicity and reliability of operation. The system is operable with

the RIDL Digital Stablizer in both the single and multiparameter modes, and the basic system operates with all standard RIDL readout devices including the RIDL Magnetic Tape unit.

Please writeforfurther details and specifications or consult your RIDL sales engineer.

NUC:R-4-231



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