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Endocrine Physiology-Biochemistry; mammalian reproduction. Ph.D. with teaching and student advisement at all levels. Numerous publications. Desires relocation to teaching/research position in nonmajor metropolitan area. Box 71, SCIENCE.

Immunologist-Physiologist, Ph.D., 1956. Antibody formation, environmental factors. Teaching and research experience; some administration. Academic position desired. West, Southwest, or Rocky Mountain area preferred. Box 51, SCIENCE.

Marine Biochemist, Ph.D., specializing in comparative biochemistry of lipids. Publications. Seeks academic or government research position. Box 60, SCIENCE. 2/14

Marine Radiobiologist, Ph.D., age 30, desires postdoctoral fellowship. Publications; ecophysiology experience. Box 73, SCIENCE. X

Medical Physics, Ph.D. Board Certified Health Physics. Now chairman university department. Prefer senior teaching and/or administrative position allied to medicine. Box 484, SCIENCE. X

Microbiologist-Biochemist, Ph.D., 33. Industrial, postdoctoral and teaching experience. Recent publication. Desires position in research, teaching, industry or administration. Available June 1969. Box 74, SCIENCE. X

Neurobiologist, Ph.D., university teaching desired, neuroscience multidisciplinary research background. Box 75, SCIENCE. 2/21, 28

Radobiologist, M.A. physiology. Seventeen years' experience. Twenty-two publications. Will have five this year. Desires research position West, Pacific Northwest. Parrott, Delta Primate Center, Covington, Louisiana. X

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Zoologist (Physiologist), Ph.D., 6 years' college experience, publications, seeks teaching/administrative position United States, Canada, or overseas. Box 76, SCIENCE. X

Science Editor-Writer, B.A., 31, medical school background, heavy publications experience, distinguished references, versatile. Seeks job with drug or other company, university, foundation, or publishing. Box 78, SCIENCE. 2/21, 28

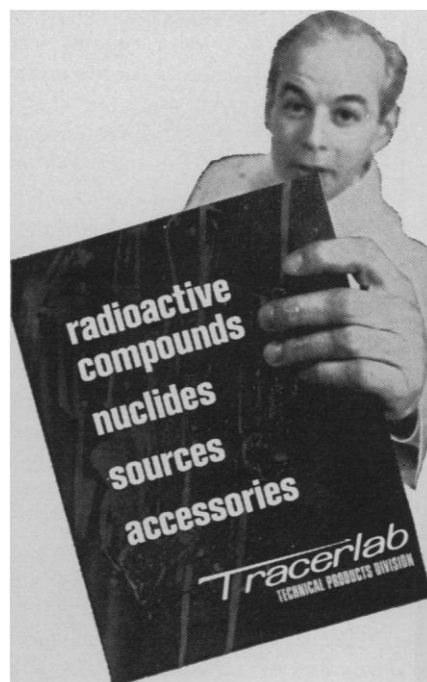
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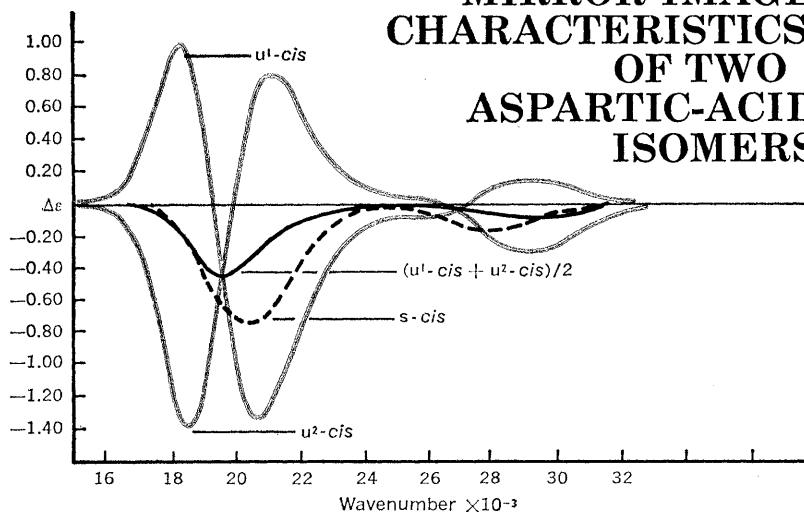
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CHEMICAL PROFILES

... drawn by Durrum

PROVING THE MIRROR-IMAGE CHARACTERISTICS OF TWO ASPARTIC-ACID ISOMERS

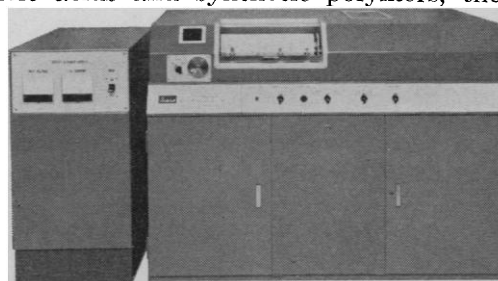


Aspartic acid, with its three donor sites, can form a variety of hard-to-identify chelate isomers. The circular-dichroism profiles drawn here, plotted from data gathered by a Durrum-Jasco CD recorder, are typical of the molecular detective work* that can be achieved with this versatile instrument.

The steric requirements of aspartic acid indicate that in a cobalt-diethylenetriamine complex, three isomers will predominate: one *s-cis* (symmetrical), shown as a dashed-line profile in the drawing above, and two *u-cis* (unsymmetrical) isomers, shown in color. The latter are essentially mirror images of each other, and the Durrum-Jasco instrument provides a way to identify one from the other.

The configurational contributions to the CD traces of the two mirror-image isomers should, in theory, cancel out, leaving an "average" trace that approximates that of the *s-cis* isomer where there are no configurational contributions. As seen here, a very close correlation is achieved, proving that the two *u-cis* isomers are indeed pseudo-mirror images and providing clues as to their specific forms.

The Durrum-Jasco CD recorder is a powerful analytical tool, used throughout the world to classify and identify complex organic and biochemical compounds. In addition to detailing the conformation and configuration of such substances as steroids, alkaloids, proteins, nucleic acids and synthetic polymers, the instrument can serve to measure their concentrations, kinetic properties, and stereochemical characteristics. Durrum-Jasco CD prices start at \$29,600.



*AS REPORTED BY J. IVAN LEGG AND DEAN W. COOKE IN THE DECEMBER 20, 1967 ISSUE OF JOURNAL OF THE AMERICAN CHEMICAL SOCIETY.



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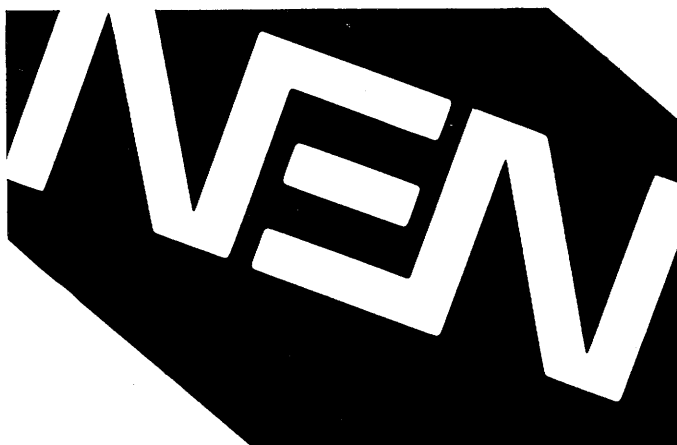
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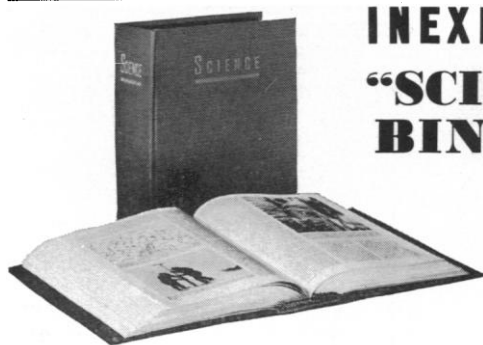
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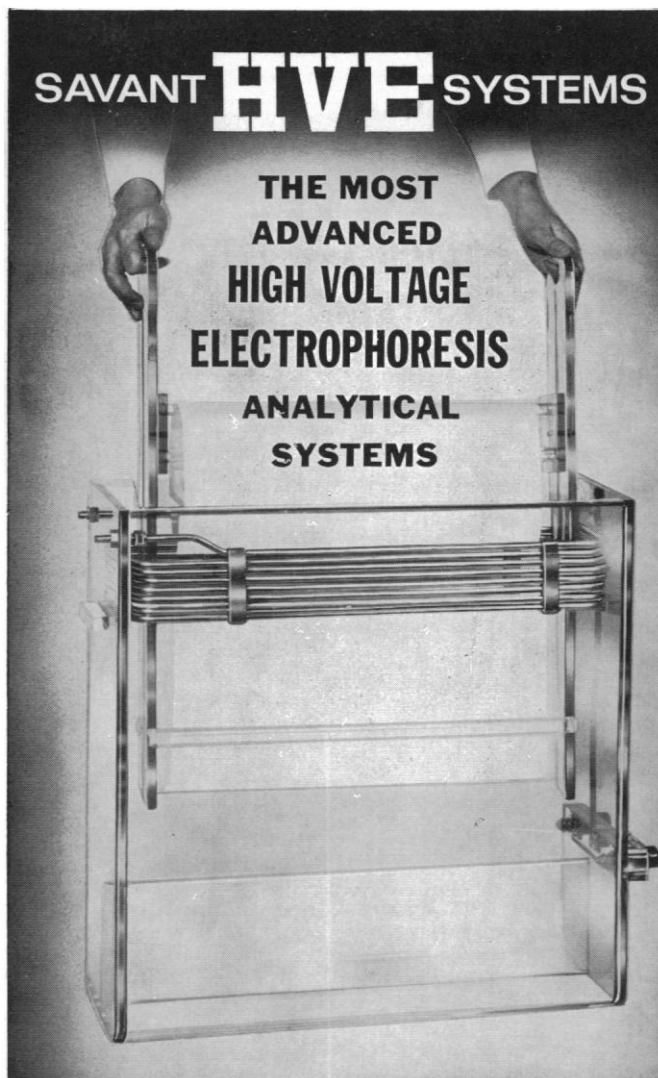
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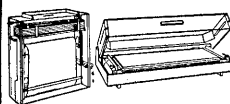
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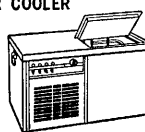


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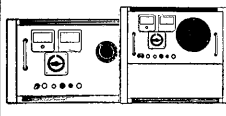
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WATER COOLER



HIGH VOLTAGE
POWER SUPPLIES
1 KV to 10 KV MODELS



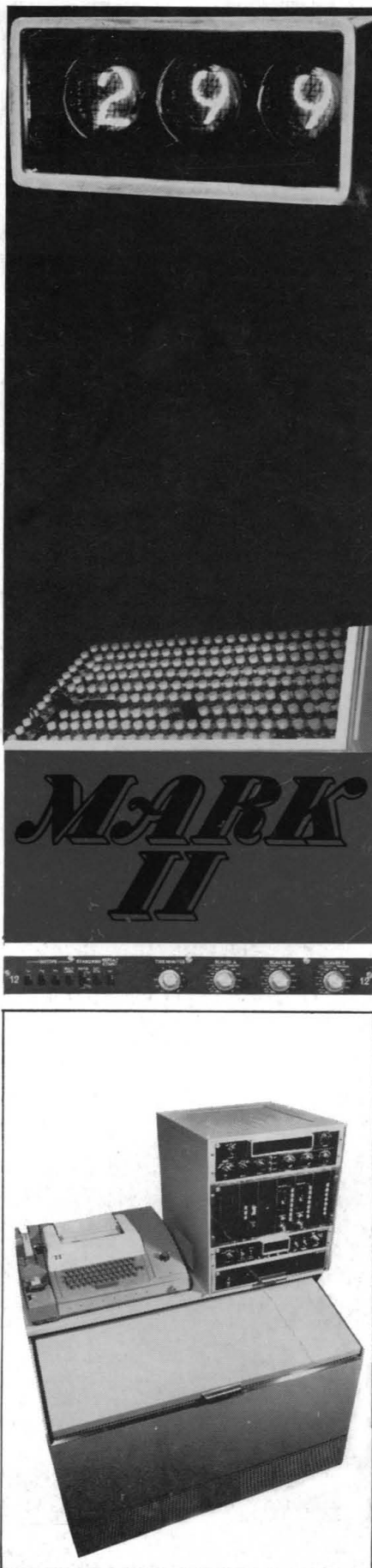
Savant Instruments, Inc.

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A point of view on

SIMPLICITY VS PERFORMANCE

Is there a way to strike a no-compromise balance between peak performance and simplicity of operation in a liquid scintillation system? There is, if the system is named Mark II.



Up till now, for the ultimate in data from a top-of-the-line liquid scintillation system, you had to put up with a lot of knob-setting and re-setting. Especially if you were only one of many different users of the same system.

But if you tried to make things simpler, then you went over to the compact, utilitarian system, which had to be optimized for general use rather than for *your* samples.

So much for *then*. Now there's our new series of 300-sample, cooled Mark IITM Liquid Scintillation Systems. And performance doesn't take a backseat in favor of simplicity. Or vice versa.

Here's what we mean by simplicity in these top-of-the-line systems: A Mark II can accommodate up to 12 *separate* counting programs. That makes it 12 systems in 1—the ideal departmental instrument. Once you set-up *your* program, it's locked-in, on *your own* built-in program console. The Mark II treats you like its only user—even if there are 11 others.

As for performance, only the superlatives apply to Mark II Systems' E²/B, sensitivity, stability, *and* reproducibility.

The Mark II gives you 5 standardization methods to suit your samples plus auto-calibration and a full choice of readouts.

Call your Nuclear-Chicago sales engineer or write to us for more facts.

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