

Born, Constantin Carathéodory, Benoit-Paul-Émile Clapeyron, Rudolf Clausius, J. Willard Gibbs, Josef Meixner, Max Planck and William Thomson (Lord Kelvin). The editor, Joseph Kestin, has provided a seven-page introduction, together with comments on each of the 15 papers. This volume should prove useful for both thermal physicists and historians of science.

The Physics of Vibrations and Waves, 2nd edition. H. J. Pain. 357 pp. Wiley, New York, 1976. \$22.00 clothbound, \$10.95 paperback

An extra chapter, on wave mechanics, and additional problems distinguish the present volume from the 1968 first edition. The theme, that much of physics may be understood on the basis of classical wave concepts, remains unchanged. The author's starting point is that "a medium through which energy is transmitted via wave propagation behaves essentially as a continuum of coupled oscillators." From a discussion of simple and damped-simple harmonic motion and forced and coupled oscillations, he leads one naturally into the physics of transverse waves on strings, waves on transmission lines and electromagnetic waves in conductors and dielectrics. One also finds chapters on Fourier methods, interference and diffraction, and non-linear oscillations. The book requires little knowledge of mathematics beyond elementary calculus, and it is probably best used by beginning physics and engineering students. —FCB

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High Energy Physics with Polarized Beams and Targets (Proc. of a Conf. held at Argonne National Laboratory, August 1976—AIP Conf. Proc., No. 35). M. L. Marshak, ed. 545 pp. American Institute of Physics, New York, 1976. \$21.50

Modern Three-Hadron Physics (Topics in Current Physics, Vol. 2). A. W. Thomas, ed. 250 pp. Springer-Verlag, New York, 1976. \$28.30

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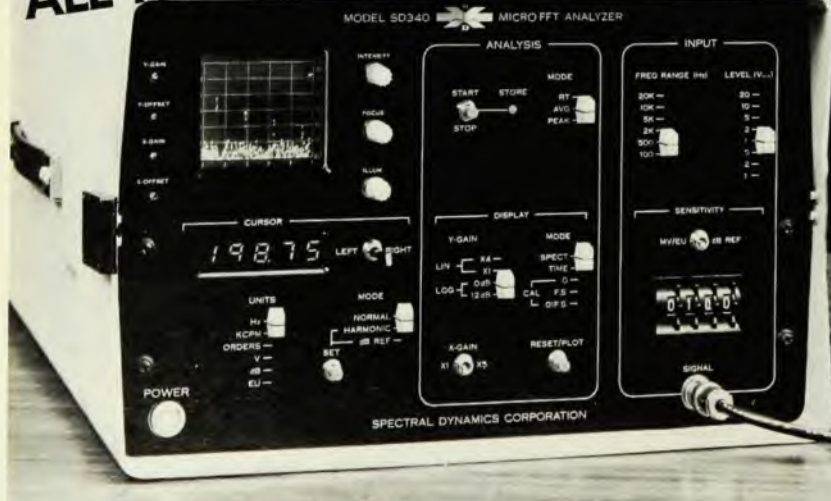


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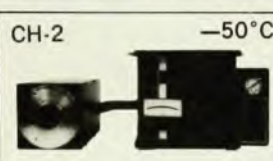
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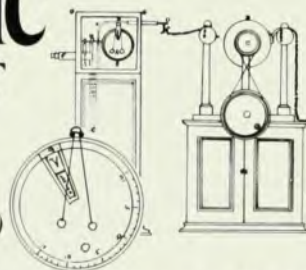
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