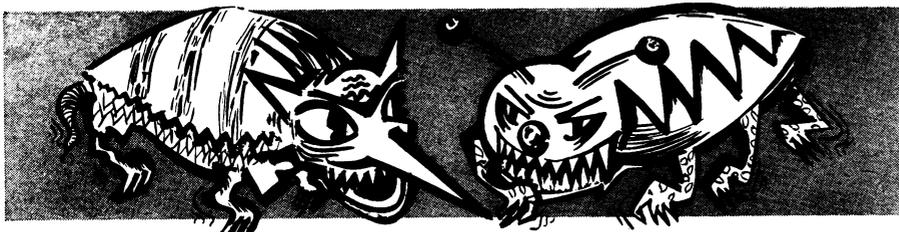
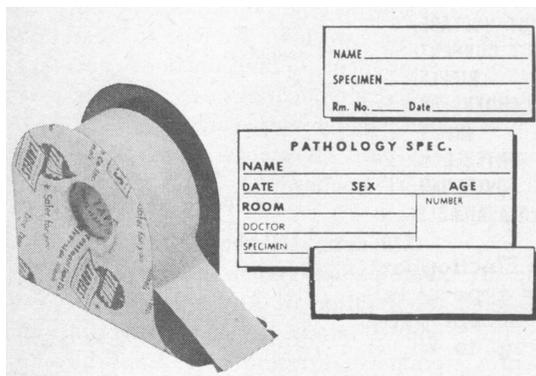


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Editor: Mary Sears, 6x9, 654 + xi pp., 146 illustrations, index, cloth, May 1961. Price \$14.75. AAAS members' cash orders \$12.50. Presented at the International Oceanographic Congress, New York, 31 Aug.-12 Sept. 1959. Published 1961. Second Printing, July 1962.

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quency knobs on the panel. The output of an oven-controlled crystal oscillator is divided down to derive a reference source which is compared to the output of a voltage-controlled oscillator divided by some preset factor. Synchronization of the two frequencies requires that the voltage-controlled oscillator operate at a frequency equal to that of the reference multiplied by the preset factor. The long-term stability of the oscillator output is that of the reference source and may be increased by inserting an external reference frequency of greater stability than that provided. The short-term stability of one part in 10,000 is fixed by the noise generated in the automatic-phase-control loop.—J.S. (Century Electronics and Instruments, Dept. S949, P.O. Box C, Admiral Station, Tulsa 15, Okla.)

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