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tions for testing completeness of registration and of statistical reporting as well as for assessment of the quality of the data. The suggestions are not exhaustive, but they are indicative of the directions evaluation may take.

The Handbook is, in effect, a commentary on the 1953 Principles for a Vital Statistics System that demonstrates from actual practices the rationale behind the latter document. Its recognition that more than one method may serve the principles laid down enhances its effectiveness.

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Altogether, the *Handbook* provides a liberal education in its field. It should be read by every consumer of vital statistics. For registrars and producers of vital statistics, it is a must, and for areas that are building a vital statistics system, it represents an indispensable vade mecum.

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Bureau of Records and Statistics, New York City Department of Health

#### **New Books**

Swine Production. W. E. Carroll and J. L. Krider. McGraw-Hill, New York, ed. 2, 1956. 496 pp. \$6.50.

Microscopic Petrography. Wm. Heinrich. McGraw-Hill, New York, 1956. 296 pp. \$6.50.

Physics of Fully Ionized Gases. Lyman Spitzer, Jr. Interscience, New York, 1956. 105 pp. Paper, \$1.75; cloth, \$3.50.

Economic Geography of Industrial Materials. Albert S. Carlson, Ed. Reinhold, New York; Chapman & Hall, London, 1956. 494 pp. \$12.50.

Kernmomente. Hans Kopfermann. Akademische Verlagsgesellschaft, Frankfurt, 1956. 462 pp.

General Biology. Harrington Wells and Patrick H. Wells. McGraw-Hill, New York, 1956. 520 pp. \$6.50.

Alcoholism, Its Psychology and Cure. Frederick B. Rea. Philosophical Library, New York, 1956. 143 pp. \$3.50.

Life in Fresh Water. E. S. Brown. Geoffrey Cumberlege. Oxford Univ. Press, London, 1955. 64 pp. \$2.75.

Voices on the Wind. Polynesian myths and chants. Katharine Luomala. Bishop Museum Press, Honolulu, 1955. 191 pp.

Portraits from Memory. Recollections of a zoologist. Richard B. Goldschmidt. Univ. of Washington Press, Seattle, 1956. 181 pp. \$3.50.

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Every Other Bed. Mike Gorman. World, Cleveland, 1956. 318 pp. \$4.

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Art in Coinage. The aesthetics of money from Greece to the present day. C. H. V. Sutherland. Philosophical Library, New York, 1956. 223 pp. \$7.50.

The Religion of Negro Protestants. Changing religious attitudes and practice. Ruby Funchess Johnston. Philosophical Library, New York, 1956. 224 pp. \$3.

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Proceedings of the International Conference on the Peaceful Uses of Atomic Energy. vol. 15, Applications of Radioactive Isotopes and Fission Products in Research and Industry. 327 pp. \$7.50. vol. 16, Record of the Conference. 203 pp. \$5. United Nations, New York, 1956 (order from Columbia University Press, New York).

Textbook of Chemistry. Edward Mack, Jr., Alfred B. Garrett, Joseph F. Haskins, Frank H. Verhoek. Ginn, Boston, ed. 2, 1956. 854 pp. \$6.50.

Handbook of Mammals of Kansas. Misc. Publ. No. 7. Contribution from the State Biological Survey of Kansas. E. Raymond Hall. Museum of Natural History, University of Kansas, Lawrence, 1955. 303 pp. Paper, \$1.50; cloth, \$4.

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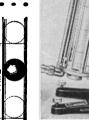
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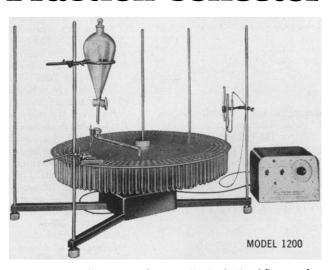
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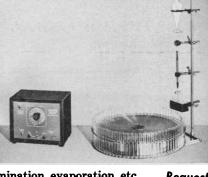
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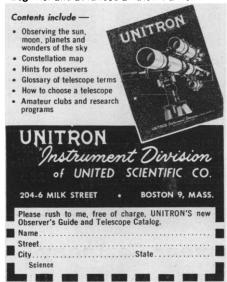
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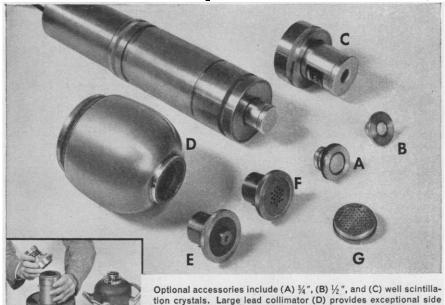
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### SPECIFICATIONS

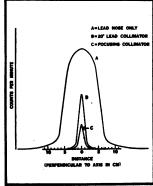
Crystal—Normally supplied with 1" x 1" NaI(T1) crystal. Other size crystals and phosphors optional. 1" x 11%" lucite light pipe. Crystal can be exposed directly in path of radiation.

Phototube — DuMont 6292 protected by a magnetic shield.

Shielding—Internal ¼" x 3" lead ring. External lead nose provides 1½" or more of lead at sides. Acceptance angle at rear is less than 25°.

Amplifier—New one-tube feedback amplifier provides gain of two and cathode follower positive output for spectrometer use; gain of 10 with negative output for normal use. Band width sufficient for 1 microsecond resolution. Provides pulse height limiting for spectrometer use.

Operation (with 1"x1" crystal)—Plateau: 250 volts; 2% slope/100 volts. Background: Crystal exposed—1250 cpm; with lead nose—160 cpm; with additional collimation—95 cpm. Detection efficiency (1 microcurie I<sup>11</sup> at 10 cm): 4400 cpm.



Response Curve to I131

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