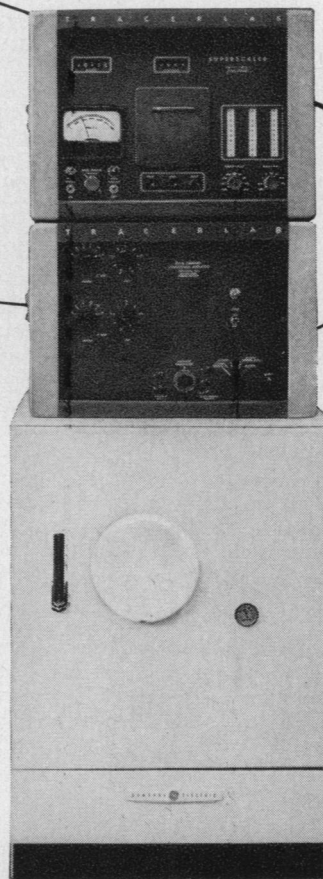


LIQUID SCINTILLATION DETECTOR

Tracerlab's unique CE-1 Liquid Scintillation Detector is designed primarily for counting samples of low energy beta emitters such as C-14 and Tritium, which can be prepared in liquid form. Efficiencies of approximately 75% for C-14 and 20 to 25% for Tritium can be obtained with this unit. The total sample volume is 50 cc and sample preparation is extremely simple.

An extremely low background of only 200 to 250 CPM is obtained by refrigeration of the phototubes, use of a dual-channel coincidence amplifier which passes only pulses which occur at the same time, and an overpulse rejection circuit. The two photomultiplier tubes with preamplifiers and a scintillation cell are mounted inside a lead shield in a small refrigerator. Samples may be stored in the dark before counting and a glove port permits transferring samples without exposure to light.

Booklet TL 59 contains complete details and will be sent upon request.



Tracerlab[®] inc.
130 HIGH ST., BOSTON
2030 WRIGHT AVE., RICHMOND, CAL.

New Books

- Human Physiology.** Bernardo A. Houssay, Juan T. Lewis, Oscar Orias, Eduardo Braun-Menéndez, Enrique Hug, Virgilio G. Foglia, and Luis F. LeLoir. Trans. by Juan T. Lewis and Olive T. Lewis. McGraw-Hill, New York-London, ed. 2, 1955. 1177 pp. \$12.
- Minerals in World Industry.** Walter H. Voskuil. McGraw-Hill, New York-London, 1955. 324 pp. \$5.75.
- Enzymologie.** Eine Darstellung für Chemiker, Biologen und Mediziner. Otto Hoffmann-Ostenhof. Springer, Vienna, 1954. 772 pp. \$26.65.
- Excavations at Star Carr.** An early Mesolithic site at Seamer near Scarborough, Yorkshire. J. G. D. Clark. With chapters by D. Walker and H. Godwin; F. C. Fraser and J. E. King. Cambridge Univ. Press, New York, 1955. 200 pp. \$11.50.
- Bibliography on Physical Electronics.** Prepared by Wayne B. Nottingham. Research Lab. of Electronics, M.I.T., Cambridge, Mass., 1954 (Distr. by Addison-Wesley, Cambridge, Mass.). 428 pp. \$8.50.
- Radioisotope Conference, 1954.** vol. I, *Medical and Physiological Applications*; vol. II, *Physical Sciences and Industrial Applications*. Proc. of the second conference, Oxford, 19-23 July. J. E. Johnston, Ed. Academic Press, New York; Butterworths, London, 1954. vol. I, 418 pp., \$10.80; vol. II, 223 pp., \$7.50. Set, \$16.
- Cellular Metabolism and Infections.** Symposium No. 8 of the section on microbiology held at New York Acad. of Medicine 4-5 Mar. 1954. E. Racker, Ed. Academic Press, New York, 1954. 196 pp. \$4.80.
- Perspectives and Horizons in Microbiology.** A symposium. Selman A. Waksman, Ed. Rutgers Univ. Press, New Brunswick, N.J., 1955. 220 pp. \$3.50.
- A Treatise on the Integral Calculus.** With applications, examples and problems. vols. I and II. Joseph Edwards. Chelsea, New York, 1954 (Published by Macmillan, New York, 1921). vol. I, 907 pp.; vol. II, 980 pp. \$6.50 the volume.
- The Theory of Spherical and Ellipsoidal Harmonics.** E. W. Hobson. Chelsea, New York, 1955 (Published by Cambridge Univ. Press, New York, 1931). 500 pp. \$4.95.
- Algae and Fungi.** vol. I of *Cryptogamic Botany*. Gilbert M. Smith. McGraw-Hill, New York-London, ed. 2, 1955. 546 pp. \$8.50.
- Modern Aspects of Electrochemistry.** J. O'M. Boekris, Ed. Modern Aspects Ser. of Chemistry No. 1. F. C. Tompkins, Ed. Academic Press, New York; Butterworths, London, 1954. 344 pp. \$6.80.
- Mathematics in Type.** William Byrd, Richmond, Va., 1954. 58 pp. \$3.
- Auxins and Plant Growth.** A. Carl Leopold. Univ. of Calif. Press, Berkeley, 1955. 354 pp. \$5.
- Feeding Poultry.** Gustave F. Heuser. Wiley, New York and Chapman & Hall, London, ed. 2, 1955. 632 pp. \$7.50.
- Organic Chemistry.** Lewis F. Hatch. McGraw-Hill, New York-London, 1955. 324 pp. \$4.50.
- Progress in Stereochemistry.** vol. I. W. Klyne, Ed. Academic Press, New York; Butterworths, London, 1954. 378 pp. \$8.
- An Intellectual Primer.** Jay C. Knobe. Philosophical Library, New York, 1955. 88 pp. \$2.50.
- Beyond Our Limitations.** Tracy Hollingsworth Lay. Philosophical Library, New York, 1955. 114 pp. \$3.
- The Unleashing of Evolutionary Thought.** Oscar Riddle. Vantage Press, New York, 1955. 414 pp. \$4.50.

Miscellaneous Publications

(Inquiries concerning these publications should be addressed, not to *Science*, but to the publisher or agency sponsoring the publication.)

- Les Caractères Climatiques de la Période 1939-1953 et le Temps en 1953.** Publs. Ser. B, No. 11. R. Sneyers. Institut Royal Meteorologique de Belgique, Brussels, 1954. 52 pp.
- Transactions of the American College of Cardiology.** vol. III. Bruno Kisch, Robert P. Glover, and Ashton Graybiel, Eds. American College of Cardiology, New York 19, 1954. 259 pp.
- Bibliography of Scientific Publications of South Asia (India, Burma, Ceylon).** No. 10, July-Dec. 1953. UNESCO, South Asia Science Cooperation Office, New Delhi 2, India. 158 pp.
- Report of the Fourth Conference.** Held at the Graduate College, Princeton Univ., 16-17 June 1954. Assoc. of Princeton Graduate Alumni, Princeton, N.J., 1954. 108 pp.
- Association of Medical Illustrators 1954 Membership Directory.** Muriel M. Miller, Ed. The Association, Massachusetts General Hospital, Boston 14, 1954. 67 pp. \$1.
- French Bibliographical Digest.** Ser. II, No. 11, Geology 2. Cultural Division of French Embassy, New York 21, 1954. 102 pp.
- Distribution of Concentrated Loads by Laminated Timber Slabs.** Engineering Expt. Sta. Bull. No. 424. Whitney C. Huntington, William A. Oliver, Melvin W. Jackson, and William T. Cox. Univ. of Illinois, Urbana, 1954. 69 pp. \$1.
- Administration of Nursing Services.** Third report of the Expert Committee on Nursing. Tech. Rpt. Ser., No. 91. World Health Organization, Geneva, 1954 (Order from Columbia Univ. Press, New York 27). 28 pp. 25¢.
- Statistical Significance of Beach Sampling Methods.** Tech. Memo. No. 50. William C. Krumbein. Beach Erosion Bd., Corps of Engineers, Dept. of the Army, Washington 25, 1954. 33 pp.
- Paul Ehrlich Centennial.** Annals, vol. 59, art. 2. Roy Waldo Miner, Ed. New York Acad. of Sciences, New York 21, 1954. 135 pp. \$3.
- Computation of Achromatic Objectives.** NBS Circular 549. Robert E. Stephens. Natl. Bur. of Standards, Washington 25, 1954 (Order from Supt. of Documents, GPO, Washington 25). 7 pp. 10¢.
- Annual Report of Scientific Works.** vol. 2. Faculty of Science, Osaka Univ., Japan, 1954. 125 pp.
- Annual Report No. 4 (1953).** Natl. Inst. of Genetics, Misima, Sizuoka-Ken, Japan, 1954. 69 pp.
- The Genera Henricohahnia Breddin, Dicretelus Erichson, Nyllius Stål, Orgetorixa China and Allied New Genera.** Bull.: Entomology, vol. 3, No. 12. N. C. E. Miller. British Museum (Natural History), London, 1954. 43 pp. 12s 6d.
- On the Nature of Psychotherapy.** Basic definitions and assumptions for students of psychology and medicine. DPP 12. Arnold Bernstein. Doubleday, Garden City, N.Y., 1954. 36 pp. 85¢.
- Les Odonates du Parc du Mont Tremblant** (In French). Bull. No. 10. Adrien Robert. Service de Biogéographie, Univ. of Montreal, Montreal 26, 1954. 23 pp.
- Three New Species and New Records of Southern Millipeds.** Tulane Studies in Zoology, vol. 2, No. 4. Nell B. Causey. Tulane Univ., New Orleans, 1954. 6 pp. 25¢.