

# Purina *laboratory animal* Nutrition News



## FEEDING LABORATORY MICE

By H. C. Schaefer, *Director Laboratory Chow Research*

In recent years, mice have become very popular laboratory animals because of their special and unique value in many phases of research . . . genetics, study of diseases, and hormone assays.

Mice are similar to domestic animals in that they have specific requirements for the essential nutrients such as amino acids, vitamins, and energy for growth, maintenance, reproduction, and lactation. In many cases, maximum reproduction is desired by investigators. This makes the breeder and maternal ration especially critical.

The object of the research behind Purina Laboratory Chow has been to design and build a nutritionally adequate ration for gestation, lactation, and normal, healthy growth of the young.

Laboratory Chow is suggested as the sole diet for mice, without any supplements. However, if some investigators prefer to supplement the ration we do not discourage the use of greens or succulent materials. We do caution against the use of raw or uncooked grains, due to the danger of introducing disease through contamination from wild mice at grain elevators or storage areas.

For further information about the nutrient composition of Purina Laboratory Chow, please see your local Purina Dealer, or write to Special Industry Sales, Ralston Purina Company, St. Louis 2, Missouri.

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is omitted, although complex atomic spectra and the entire subject of nuclear spectroscopy cannot really be discussed without it.

In summary, the book successfully fulfills its announced purpose of presenting on the most elementary level possible the amenable data and reasoning of modern physics. This type of treatment is most appropriate to the subject of atomic physics, as the title of the textbook suggests.

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## New Books

**Engineering Cybernetics.** H. S. Tsien. McGraw-Hill, New York-London, 1954. 289 pp. \$6.50.

**Composition of Scientific Words.** A manual of methods and a lexicon of materials for the practice of logotechnics. Roland Wilbur Brown. Roland W. Brown, Natl. Museum, Washington 25, 1954. 882 pp. \$8.

**Advances in Food Research.** vol. V. E. M. Mrak and G. F. Stewart, Eds. Academic Press, New York, 1954. 538 pp. \$11.50.

**Tables of Integral Transforms.** vol. II. Based in part on notes left by Harry Bateman. Bateman Project staff, A. Erdélyi, Ed. McGraw-Hill, New York-London, 1954. 451 pp. \$8.

**Standard Values in Nutrition and Metabolism.** Being the second fascicle of a Handbook of Biological Data. Prepared under direction of Committee on the Handbook of Biological Data, American Institute of Biological Sciences, Natl. Research Council. Errett C. Albritton, Ed. Saunders, Philadelphia-London, 1954. 380 pp. Paper, \$6.50.

**The Origin of Russia.** Henryk Paszkiewicz. Philosophical Library, New York, 1954. 556 pp. \$10.

**Diagnostic Cytologique du Cancer Génital chez la Femme.** Raymond Bourg, Claude Gompel, Jean-Paul Pundel. Masson & Cie, Paris, 1954. 176 pp. F. 4.800.

**Contributions to Embryology.** vol. 35, Nos. 231-241. Carnegie Institution of Washington, Washington 5, 1954. 237 pp. Paper, \$12; cloth, \$13.

**An Essay on Christian Philosophy.** Jacques Maritain. Trans. by Edward H. Flannery. Philosophical Library, New York, 1955. 116 pp. \$2.75.

**The Bomb, Survival and You.** Protection for people, buildings, equipment. Fred N. Severud and Anthony F. Merrill. Reinhold, New York, 1954. 264 pp. \$5.95.

**Introduction to Theoretical Mechanics.** Robert A. Becker. *International Series in Pure and Applied Physics.* Leonard I. Schiff, Ed. McGraw-Hill, New York-London, 1954. 420 pp. \$8.

**Glutathione.** Proc. of the symposium held at Ridgefield, Connecticut, Nov., 1953. S. Colowick, A. Lazarow, E. Racker, D. R. Schwarz, E. Stadtman, and H. Waelsch, Eds. Academic Press, New York, 1954. 341 pp. \$7.50.

**Tobati: Paraguayan Town.** Elman R. Service and Helen S. Service. Univ. of Chicago Press, Chicago, 1954. 337 pp. \$7.

**The Scientific Revolution, 1500-1800.** The formation of the modern scientific attitude. A. R. Hall. Longmans, Green, London-New York, 1954. 390 pp. \$3.50.

**The History and Conquest of Common Diseases.** Walter R. Bett, Ed. Univ. of Oklahoma Press, Norman, 1954. 334 pp. \$4.

## Miscellaneous Publications

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

**De Analogische Grondbegrippen der Vakwetenschappen en hun Betrekking tot de Structuur van den Menselijken Ervaringshorizon.** Mededelingen der Koninklijke Nederlandse Akademie van Wetenschappen, Afd. Letterkunde, nieuwe reeks, deel 17, No. 6. H. Dooyeweerd. Noord-Hollandsche, Amsterdam, 1954. 22 pp. F. 1.25.

**La Cascada Nucleonica.** Serie fisica, vol. 1, No. 2. Juan G. Roederer. Comision Nacional de la Energia Atomica, Buenos Aires, 1954. 34 pp.

**Fog Modification by Cold-Water Seeding.** Geophysical Research Papers, No. 31. Vernon G. Plank. Air Force Cambridge Research Center, Cambridge, Mass., 1954 (Order from Office of Technical Services, Dept. of Commerce, Washington 25). 21 pp.

**Contributions to the Morphology of the Delesseriaceae.** Botany, vol. 27, No. 5. Florence Signaigo Wagner. Univ. of Calif. Press, Berkeley 4, 1954. 66 pp. \$1.

**Indian Health in Arizona.** Second annual report of the Bur. of Ethnic Research. Bertram S. Kraus; collab., Bonnie M. Jones. Univ. of Arizona, Tucson, 1954. 164 pp. \$2.50.

**Substances Naturelles de Synthèse.** Préparations et méthodes de laboratoire. vol. IX. Léon Velluz. Masson et C<sup>ie</sup>, Paris, 1954. 186 pp.

**Our Poised Economy.** Studies in Business and Economics, vol. 8, No. 3. Bur. of Business and Economic Research, Univ. of Maryland, College Park, 1954. 9 pp.

**Chemical Products and Processes.** Pat. Abstr. Ser., No. 2. PB 111465. 101 pp. \$3. **Food Products and Processes.** Pat. Abstr. Ser., No. 3. PB 111466. 21 pp. \$1. **Metal Processes and Apparatus, Machinery and Transportation Equipment.** Pat. Abstr. Ser., No. 4. PB 111467. 55 pp. \$2. Prepared by Govt. Patents Bd. Dept. of Commerce and Small Business Administration, Washington, 1954. (Order from Off. of Tech. Services, USDC, Washington 25).

**Survey of Ninety-Five Custodial Patients in a Municipal Hospital.** Rehabilitation Monogr. VII. Michael M. Dacso, Joseph Novey, Edith L. Kristeller, and Howard A. Rusk. Institute of Physical Medicine and Rehabilitation, N.Y. University-Bellevue Medical Center, New York 16, 1954. 52 pp. \$1.

**West Indian Cherries and the Production of Ascorbic Acid.** Misc. Publ. No. 2. Carlos G. Moscoso. Agricultural Expt. Sta., Univ. of Puerto Rico, Rio Piedras, 1950. 9 pp.

**Basket Maker II Sites Near Durango, Colorado.** Publ. 604. Earl H. Morris and Robert F. Burgh. Carnegie Institution of Washington, Washington 5, 1954. 135 pp. Paper, \$4.25; cloth \$4.75.

**A New Species of Diaptomus from Louisiana and Texas with Notes on the Subgenus Leptodiaptomus (Copepoda, Calanoida).** Tulane Studies in Zoology, vol. 2, No. 3. Mildred Stratton Wilson. Tulane Univ., New Orleans, 1954. 10 pp. 25¢.

**Studies on the Nutritive Value of Bread and on the Effect of Variations in the Extraction Rate of Flour on the Growth of Undernourished Children.** Medical Research Council Special Rpt. Ser., No. 287. E. M. Widowsdon and R. A. McCance. Her Majesty's Stationery Office, London, 1954. 137 pp. \$1.90.