An Inquiry Concerning Growth, Disease and Ageing. Philip R. J. Burch. University of Toronto Press, Buffalo, N.Y., 1969. viii + 214 pp., illus. \$8.75.

Institutional Racism in America. Louis L. Knowles and Kenneth Prewitt, Eds. Prentice-Hall, Englewood Cliffs, N.J., 1969. xii + 180 pp. Cloth, \$5.95; paper, \$1.95.

Integral Equation Methods. C. D. Green. Barnes and Noble, New York, 1969. viii + 244 pp. \$15. Applications of Mathematics Series.

International Review of Experimental Pathology. Vol. 8. G. W. Richter and M. A. Epstein, Eds. Academic Press, New York, 1969. x + 294 pp., illus. \$17.50.

Introduction to Chemical Thermodynamics. Reuben E. Wood. Appleton-Century-Crofts, New York, 1970. x + 246 pp., illus. \$9.95.

Introduction to Differential Equations. William E. Boyce and Richard C. Di-Prima. Wiley, New York, 1970. xvi + 320 pp., illus. \$7.50.

Ion-Selective Electrodes. Proceedings of a symposium, Gaithersburg, Md., January 1969. Richard A. Durst, Ed. National Bureau of Standards, Washington, D.C., 1969 (available from the Superintendent of Documents, Washington, D.C.). xxii + 458 pp., illus. \$3.50. NBS Special Publication No. 314.

Kangaroos. H. J. Frith and J. H. Calaby. Hurst, London; Humanities Press, New York, 1969. xvi + 212 pp. + plates. \$16.

Law in Culture and Society. An international Wenner-Gren conference, Gloggnitz, Austria, August 1966. Laura Nader, Ed. Aldine, Chicago, 1969. x + 454 pp., illus. \$10.75.

Lipids. John M. Lowenstein, Ed. Academic Press, New York, 1969. xx + 772 pp., illus. \$29.50. Methods in Enzymology, vol. 14.

Lysosomes in Biology and Pathology. J. T. Dingle and Honor B. Fell, Eds. North-Holland, Amsterdam; Interscience (Wiley), New York, 1969. Vol. 1 (xxiv + 544 pp., illus. \$31); vol. 2 (xxiv + 668 pp., illus. \$37). Frontiers of Biology, vols. 14A and 14B.

Mass Transfer in Heterogeneous Catalysis. Charles N. Satterfield. M.I.T. Press, Cambridge, Mass., 1970. xviii + 270 pp., illus. \$14.25.

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Numbers and Units for Physics. Robert A. Carman. Wiley, New York, 1969. xviii + 222 pp. Cloth, \$6.95; paper, \$4.95.

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Palynology of the Eddleman Coal (Pennsylvanian) of North-Central Texas. J. Fred Stone. Bureau of Economic Geology, University of Texas, Austin, 1969. ii + 58 pp., illus. + charts. Paper, \$1.50. Report of Investigations, No. 64.

Parasitic Protozoa. J. R. Baker. Hillary House, New York; Hutchinson University Library, London, 1969. 176 pp., illus. Cloth, \$5; paper, \$2. Biological Sciences.

Physics in My Generation. Max Born. Springer-Verlag, New York, ed. 2, 1969. viii + 172 pp., illus. Paper, \$3.80. Heidelberg Science Library.

Plant Structure and Development. A Pictorial and Physiological Approach. T. P. O'Brien and Margaret E. McCully. Macmillan, New York; Collier-Macmillan, London, 1969. x + 118 pp., illus. Paper, \$5.95.

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Topics in Dynamics. Vol. 1, Flows. Edward Nelson. Princeton University Press, Princeton, N.J.; University of Tokyo Press, Tokyo, 1969. iv + 122 pp. Paper, \$3. Mathematical Notes.

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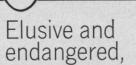
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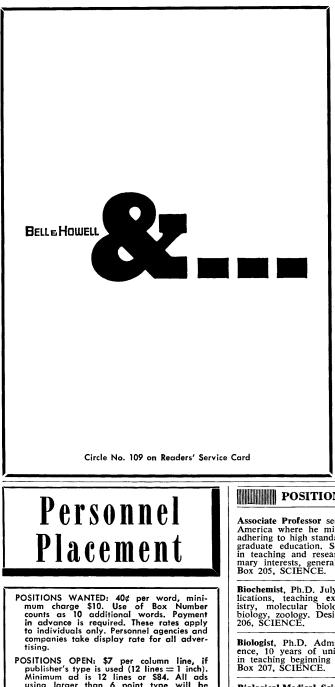
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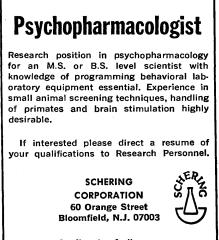
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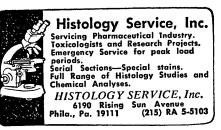
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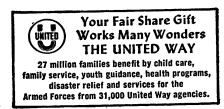
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How will this plant protease continue to meet its high promise in the field of new products? As a digestive aid? As a miracle cleanser? As a cure for the common cold?

How can your company use bromelain? Dole will supply technical supporting data and research samples if you think there may be an application in your business. Just write. We'll send you all the facts. Or, if you are ready to try your idea on a larger scale, bromelain is also available in commercial quantities.

You may find the kind of explosion you're looking for by releasing the potential in bromelain.



This dripless beaker thinks dribble and run-back are nothing but sports terms



Good-bye to messy pouring. Good-bye, funnels and stirring rods. Here's our new PYREX® brand dripless beaker with Teflon*-clad rim. It's the one and only no-drip beaker. Try some in your lab. You'll discover this is the beaker that allows you to pour contents safely, gives you drop-by-drop pourout, even lets you pull a single drop with most solutions. You'll find this is the beaker to use when you're mixing slurries. Or when you're handling HCl or H2SO4 or NaOH. And when you're working with materials so valuable or so hard to obtain that you just don't want to spill a drop.

Another plus: the bonded Teflon strengthens the beaker rim, lengthens beaker life. Send for a free sample and see. Corning Glass Works, Laboratory Products Dept. 9305 Corning, N. Y. 14830.

*Teffon is a Du Pont trademark CORNING BP 18 y 21

Portable top toppers work great, look great

Good-bye to charred, marred, chewed benchtops. You can really shield a benchtop with CORNING[®] Bench Protectors made of PYROCERAM[®] brand glass-ceramic. They're immune to acids and alkalies and solvents and gases, and to temperatures up to 500°F. We strengthen them chemically so they can withstand bangs and bumps, and they just won't dent or gouge. The glare-free white matte finish is more than handsome—it's also useful: titrations are easier to monitor. Silicone rubber feet make the protectors stable. Their light weight makes them portable. Yours in 10″ x 10″, 18″ x 24″, 23″ x 35″, and 23″ x 47″ sizes.

ABORATORY PRODUCTS

Makers of PYREX® Labware

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