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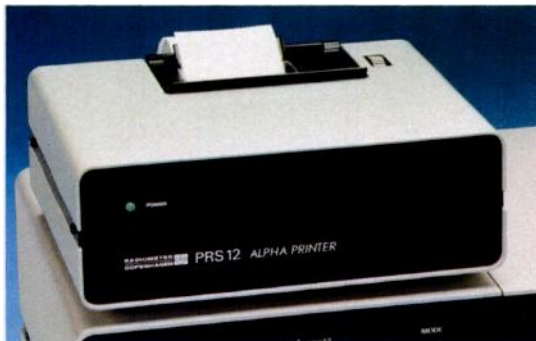
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book reviews

Clinical, Biochemical, and Nutritional Aspects of Trace Elements (Current Topics in Nutrition and Disease, 6), A. S. Prasad, Ed., Alan R. Liss, Inc., New York, NY 10011. Oct. 1982, xviii + 577 pp, \$96.00. ISBN 0-8451-1605-3

This text is based on the proceedings of a conference held in Detroit, MI, in December 1980. The 30 chapters are contributed by various mineral experts from six different countries.

About half of the volume is devoted to different metabolic and clinical aspects of zinc; this reflects both the relative abundance of zinc in man as well as the extent of our current knowledge about trace minerals. As might be anticipated, there is some repetition of basic and historical information concerning zinc.

Some of the other chapters discuss the clinical significance of deficiency and toxicity of other trace minerals—copper, chromium, selenium, and manganese.

The three chapters on trace mineral analyses are very general and contain no specific information regarding methodologies, but do include some good summary tables and references for normal trace mineral concentrations in biological samples. The discussion of trace element requirements during total parenteral nutrition is extremely brief. This subject represents an area of medicine that is undergoing a rapid expansion of new understanding. The chapter on the interactions of essential metals is both well written and informative. The final portion (four chapters) of the monograph covers the toxic elements—lead, cadmium, and mercury. The discussion of mercury is particularly good.

Clinical chemists who provide trace minerals assays will find the text useful. It contains much recent information and data.

George E. Nichoalds

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Books Received

Essentials of Clinical Biochemistry. D. N. Baron. Elsevier Science Publishing Co., Inc., 52 Vanderbilt Avenue, New York, NY 10017,

1982, xi + 292 pp, paperback. Price not given. ISBN 0-444-00684-2.

Pesticides: Theory and Application, G. W. Ware, W. H. Freeman and Co., San Francisco, CA 94104. Nov. 1982, x + 308 pp, \$19.95 paperback. ISBN 0-7167-1416-7.

Nephrotoxic Mechanisms of Drugs and Environmental Toxins, G. A. Porter, Ed., Plenum Medical Book Co., New York and London. 1982, xix + 466 pp, \$49.50 (20% higher outside the U.S. and Canada). ISBN 0-306-40977-1.

Soft Ionization Biological Mass Spectrometry. Proceedings of the Chemical Society Symposium on Advances in Mass Spectrometry Soft Ionization Methods, London, July 1980. H. R. Morris, Ed., Heyden & Sons Ltd., London, distributed in the U.S. by John Wiley & Sons, Inc., New York, NY 10158. March 1982, xii + 156 pp, \$42.95. ISBN 0-85501-706-6.

Central Analgetics (Chemistry and Pharmacology of Drugs, 1), D. Lednicer, Ed., A Wiley-Interscience Publication, John Wiley & Sons, New York, NY 10158. Oct. 1982, xv + 219 pp, \$47.50. ISBN 0-471-08314-3.

Progress in Research and Clinical Applications of Corticosteroids. Proceedings of the Sixth Annual Clinical Symposium, February 20–22, 1981, Tallahassee, FL, H. J. Lee and T. J. Fitzgerald, Eds., Heyden & Sons Ltd., London, distributed in the U.S. by John Wiley & Sons, Inc., New York, NY 10158. 1982, x + 302 pp, price not given. ISBN 0-85501-722-8.

Topics in Antibiotic Chemistry, 6. P. Sammes, Ed., Ellis Horwood Ltd., Chichester, U.K., distributed in the U.S. by John Wiley & Sons, New York, NY 10158. Oct. 1982, 345 pp, \$74.95. ISBN 0-470-27517-0.

Antibiotics, Chemotherapeutics & Antibacterial Agents for Disease Control (Encyclopedia Reprint Series), M. Grayson, Ed., A Wiley-Interscience Publication, John Wiley & Sons, New York, NY 10158. Sept. 1982, xxvi + 513 pp, \$49.50. ISBN 0-471-87359-4.

Arsenic: Industrial, Biomedical, Environmental Perspectives, W. H. Lederer and R. J. Fensterheim, Eds. Van Nostrand Reinhold Co., Inc., New York, NY 10020, 1983, xvi + 443 pp, \$42.00. ISBN 0-442-21496-0.

Mutagens in Our Environment (Progress in Clinical and Biological Research, 109), M. Sorsa and H. Vainio, Eds. Alan R. Liss, Inc., New York, NY 10011, Dec. 1982, xix + 504 pp, \$50.00. ISBN 0-8451-0109-9.

Mobility and Function in Proteins and Nucleic Acids (Ciba Foundation Symposium 93), R. Porter, M. O'Connor, and J. Whelan, Eds. Pitman Books Ltd., London, distributed in North America by CIBA Pharmaceutical Company, Medical Education Division, West Caldwell, NJ 07006, 1983, x + 357 pp, \$35.00. ISBN 0-272-79657-3.

Inborn Errors of Metabolism in Humans (monograph based upon Proceedings of the International Symposium, Interlaken, Switzerland, September 2–5, 1980), F. Cockburn

and R. Gitzelmann, Eds. Alan R. Liss, Inc., New York, NY 10011, Oct. 1982, xv + 296 pp, \$54.00. ISBN 0-8451-3008-0.

Thalassemia: Recent Advances in Detection and Treatment (Birth Defects: Original Article Series, 18), A. Cao, U. Caracssi, P. T. Rowley, Eds. Alan R. Liss, Inc., New York, NY 10011, 1982, xxii + 377 pp, \$74.00. ISBN 0-8451-1051-9.

Quantification of Circulating Proteins. Theory and Applications Based on Analysis of Plasma Protein Levels. W. Th. Hermens, G. M. Willems, and M. P. Visser, Martinus Nijhoff Publishers, distributed in the U.S.A. by Kluwer Boston, Inc., 190 Old Derby St., Hingham, MA 02043, elsewhere by Kluwer Academic Publishers Group, Distribution Center, P.O. Box 322, 3300 AH Dordrecht, The Netherlands, pub. 1982, 256 pp, \$44.00. ISBN 90-247-2753-3.

Methodology and Physiology of Blood Gases and pH (Proc. of the IFCC Expert Panel on pH and Blood Gases, Groningen, The Netherlands, August 23–25, 1981), B. Oeseburg and W. G. Zijlstra, Eds. Printed privately. For copies, write the editors (Department of Physiology, University of Groningen, Bloemensingel 10, 9712 KZ Groningen, The Netherlands). Price not given. 206 pp, paperback. ISBN 90-9000350-9.

Advanced Interpretation of Clinical Laboratory Data (Clinical and Biochemical Analysis Series, 13). C. Heusghem, A. Albert, and E. S. Benson, Eds. Marcel Dekker, Inc., 270 Madison Ave., New York, NY 10016, pub. 1982, xxiv + 420 pp, \$55.00 (price 20% higher outside the U.S. and Canada), ISBN 0-8247-1744-9.

Novel Drug Delivery Systems: Fundamentals · Development Concepts · Biomedical Assessments (Drugs and the Pharmaceutical Sciences Series, 14). Y. W. Chien. Marcel Dekker, Inc., New York, NY 10016, pub. 1982, xii + 633 pp, \$65.00 (price 20% higher outside the U.S. and Canada), ISBN 0-8247-1831-3.

The Analysis of Cannabinoids in Biological Fluids (NIDA Research Monograph 42), R. L. Hawks, Ed., U.S. Department of Health and Human Services, Alcohol, Drug Abuse, and Mental Health Administration, Bethesda, MD. 1982. viii + 141 pp. While limited supplies last, single paperback copies are available without charge from the National Clearinghouse for Drug Abuse Information, Room 10-A-43, 5600 Fishers Lane, Rockville, MD 20857. Paperback copies may also be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Indicate GPO Stock No. 017-024-01151-7. Price is \$5.

Neurotransmitter Interaction and Compartmentation (NATO Advanced Study Institutes Series. Series A: Life Sciences, 48). H. F. Bradford, Ed., Plenum Press, New York, NY 10013. 1982, xii + 839 pp, \$95.00. ISBN 0-306-41015-X.

Diabetes Breakthrough: Control through Nutrition. S. Addanki, Pinnacle Books, Inc.,

Corrections

Vol. 28

p 1900: The algorithm should read
$$DR = WT \cdot \{KS \cdot [(BC - GY)/(10 \cdot (3 + |M|))] + RC\}$$

Vol. 29

p. 23: In reproducing Figure 3, some detail (notation of the circled dots) was omitted.

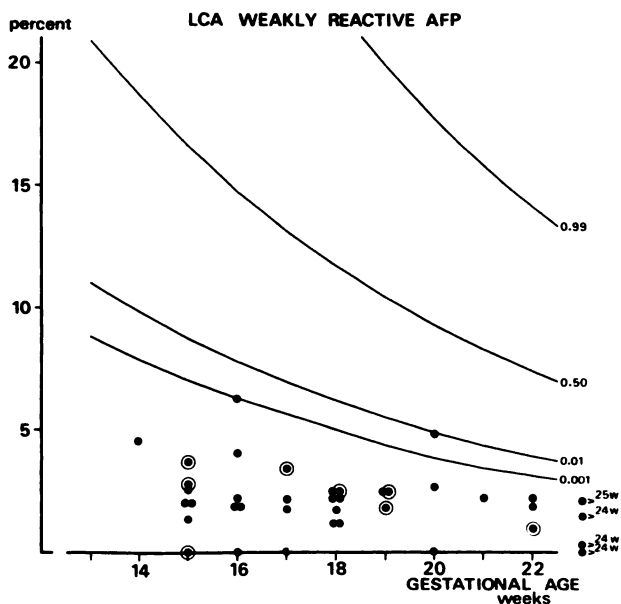


Fig. 3. Calculated normal range for percentage of *Lens culinaris* agglutinin (LCA) weakly reactive alpha-fetoprotein in 135 normal pregnancies

Dots represent samples from 39 pregnancies with a fetal anomaly, circled dots are samples with a fetal anomaly and total AFP concentrations below five standard deviations above the mean within 15 to 22 weeks of gestation (n=8)

Table of Contents, Feb. issue: "Corrections" (p 414) should have been listed. For the Letter on pp 395 and 396, authors Robert L. Sunheimer and Lawrence P. Gordon were not listed.

p 284: In the "from" line, the street address of Pantex is 1737 21st St.

p 346: Under *Fluorescence measurement*, the authors intended to say that matched 3-72 Corning emission filters were used to measure the DPH polarization. Corning 3-67 filters were used for the instrument polarization calibration, as described by Deranleau (*Anal Biochem* 51: 438-449, 1966).

p 349: Under ref. 8, the volume number should be 16.

p 372: In the abstract, under *Combined reagent*, and in the caption to Figure 1, "100 mg" should read "100 g."

p 467: The caption to Figure 1 should read: "(A) Effect of acetylsalicylic acid concentration in vitro on hemoglobin A, measured by electrophoresis; (B), effect of duration of incubation with acetylsalicylic acid on hemoglobin A_{1c} measured by HPLC."

p. 570: In the second paragraph in column three, "sodium EDTA" should read "disodium EDTA," and "300 mL" should read "200 mL."

p. 576: In the last line of the middle column, thyroxin concentration should read 134 $\mu\text{g/L}$.

p. 580: Regarding Table 1, E.C.S. (Bio-Rad) informs us that its Lyphocheck Anemia Control (Human) offers a complete profile for anemia, including serum ferritin of 12 $\mu\text{g/L}$.

p. 596: In paragraph 2, line 11, the "(R)" should read "(\bar{R})," and the \bar{x} in lines 11 and 14 should read " \bar{x} ."