of late 1971. The chapters deal, in not always logical sequence, with amino-acyl transfer RNA synthetases, chain elongation, initiation, and termination, tRNA's and their structure, suppressors, ribosomal proteins and RNA's, translation of viral RNA's (bacterial, plant, and animal), bacterial messenger RNA and its translation in protein synthesis, and mRNA and informosomes of animal cells, ending with a consideration of protein synthesis in mito-chondria and chloroplasts.

As is to be expected from such an encyclopedic work cohesion and consistency are lacking: contributions differ not only in style and clarity but in depth, penetration, and even philosophy. There are some truly comprehensive and analytical chapters, such as the ones by Rudland and Clark and by Revel on initiation, by Zachau and by Cramer and Gauss on tRNA, and by Wittmann and Stöffler on bacterial ribosomal proteins. Others are much more superficial, though useful, surveys. Finally, there is a highly provocative speculative contribution by Spirin on informosomes. The absence of a chapter, or chapters, specifically and critically devoted to regulation, particularly in eukaryotic cells, where so much novel and exciting work is unfolding, is regrettable. It is disappointing not to find any discussion of polyadenylation of eukaryotic mRNA or a description and evaluation of the relation of heterogeneous nuclear RNA to mRNA, of unique versus repetitive sequences in eukaryotic DNA, of mRNA for histones, and especially of possible mechanisms by which hormones may regulate protein synthesis in metazoan animals. If this seems to weigh the scales too far toward eukaryotes, explicit and critical discussion of regulation in prokaryotes is also lacking. Clearly the word "regulation" should have been dropped from the title.

One final question of principle, applying not just to this book but to many similar compendia: Just who is it the publishers and editors are trying to reach? Experts surely are sufficiently familiar with their areas of expertise to find such a volume only marginally useful, with little in it that is not covered in other works on their shelves. Worse still, they more than the average reader will suffer from the built-in obsolescence of books of this kind. For novices and readers from other fields, the price would appear to be prohibitive in view of the shortcomings inherent in this kind of undertaking. It is probably futile to ask commercial publishers to reflect whether they are really rendering a service to the scientific community by these policies of overkill for publications in molecular biology. But perhaps their advisory editors might become a little more discriminating in the future.

The second book, by Wainwright, is subject to far fewer criticisms. In his stated goal of writing a comprehensive and critical text covering recent developments for graduate students just beginning work in biochemistry and molecular biology the author has succeeded admirably. He has written an eminently readable book permeated and unified by his own keen grasp of the subject matter, and his objective and well-documented evaluation of what has been and what remains to be accomplished from the same vantage point of late 1971. My main question here is one of emphasis. As I indicated in the introductory paragraph, this book slights the "protein synthesis" part of its title. To allot but one chapter to this topic results in such a dense and condensed presentation as to make not only for a lack of depth but for very heavy going at the very outset-a great pity, for beyond this bar lies easy and rewarding sailing. To the objection that expansion of this chapter might have resulted in a book of excessive length my answer would be that there are several instances where greater brevity might not have been amiss. One might mention particularly the somewhat lengthy historical introduction in the chapter "Induced enzyme synthesis" and some of the details of prokaryotic regulation, since it is stated that the reader is expected to have had introductory courses in biochemistry and biology. But these are minor matters: Wainwright has succeeded in an almost impossible task.

HENRY R. MAHLER Department of Chemistry, Indiana University, Bloomington

Books Received

Die Akadamie der Wissenschaften der USSR. Uberblick über Geeschichte und Struktur Verzeichnis der Institute. Wolfgang Kasack. Steiner, Weisbaden, Germany, 1972. 138 pp. Paper, \$2.

Annual Review of Fluid Mechanics. Vol. 5. Milton Van Dyke, Walter G. Vincenti, and J. V. Wehausen, Eds. Annual Reviews, Palo Alto, Calif., 1973. x, 444 pp., illus., + plates. \$10.

Annual Review of Psychology. Vol. 24.

Paul H. Mussen and Mark R. Rosenzweig, Eds. Annual Reviews, Palo Alto, Calif., 1973. viii, 552 pp. \$10.

The Art of Computer Programming. Vol. 3, Sorting and Searching. Donald E. Knuth. Addison-Wesley, Reading, Mass., 1973. xii, 722 pp., illus. \$19.50. Addison-Wesley Series in Computer Science and Information Processing.

Atlas of Cultural Features. A Study of Man's Imprint on the Land. Benjamin F. Richason. Hubbard Press (Hubbard Scientific), Northbrook, Ill., 1973. 96 pp., illus. \$6.95

Biological Management and Conservation. Ecological Theory, Application and Planning. M. B. Usher. Chapman and Hall, London, 1973 (U.S. distributor, Halsted [Wiley], New York). xiv, 394 pp., illus. \$22.

Biology of Plants. Laboratory Exercises. H. L. Dean. Brown, Dubuque, Iowa, ed. 3, 1973. xiv, 278 pp., illus. Spiral bound, \$4.95.

Bitter Wages. Ralph Nader's Study Group Report on Disease and Injury on the Job. Joseph A. Page and Mary-Win O'Brien. Grossman, New York, 1973. xx, 314 pp. \$7.95.

Blepharisma. The Biology of a Light-Sensitive Protozoan. Arthur C. Giese. With the Collaboration of Shōichirō Suzuki, Robert A. Jenkins, Henry I. Hirshfield, Irwin R. Isquith, and Ann M. DiLorenzo. Stanford University Press, Stanford, Calif., 1973. xiv, 366 pp., illus. \$17.50.

Cell Surface Alteration as a Result of Malignant Transformation: I. Papers by J. C. Leclerc and eight others. MSS Information Corporation, New York, 1973. 186 pp., illus. \$15.

Cerebral Control of Eye Movements and Motion Perception. A symposium, Freiburg i.Br., Germany, July 1971. Johannes Dichgans and Emilio Bizzi, Eds. Karger, New York, 1972. x, 404 pp., illus. \$33.60. Bibliotheca Ophthalmologica, No. 82

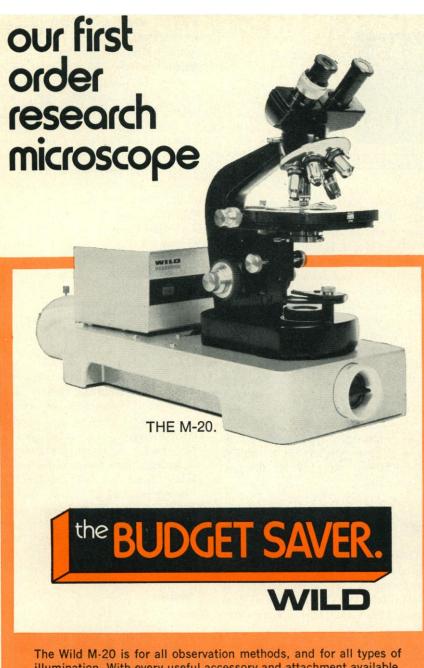
Chemical Mediators of the Acute Inflammatory Reaction. Vol. 37. M. Rocha, E. Silva, J. Garcia Leme, and Hanna A. Rothschild. Pergamon, New York, 1972. x, 264 pp., illus. \$18. International Series of Monographs in Pure and Applied Biology. Modern Trends in Physiological Sciences.

Collected Papers of the Institute of Physical and Chemical Research. 1971. Rikagaku Kenkyusho (Institute of Physical and Chemical Research), Saitama, Japan, 1972. xxvi, 1556 pp., illus.

Collisions, Coalescence and Crystals. The States of Matter and Their Models. A. Ralph Morgan. Methuen Educational, London, 1973 (U.S. distributor, Barnes and Noble [Harper and Row], New York). vi, 58 pp., illus. Paper, \$2.75. Methuen Studies in Science.

Comparative Physiology of Desert Animals. Symposia of the Zoological Society of London, No. 31, July 1971. G. M. O. Maloiy. Published for the Society by Academic Press, New York, 1972. xxvi, 414 pp., illus. \$22.50.

Developments in Biomedical Engineering. Martin M. Black, Ed. Crane Rus(Continued on page 1304)



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sak, New York, 1973. x, 192 pp., illus. \$19.75.

Dictionary of the Environmental Sciences. Robert W. Durrenberger. National Press, Palo Alto, Calif., 1973. iv, 282 pp., illus. Cloth, \$7.95; paper, \$4.95.

Differential Equations. And Related Topics for Science and Engineering. Robert W. Hunt. Brooks/Cole (Wadsworth), Monterey, Calif., 1973. xii, 286 pp., illus. \$10.95. Contemporary Undergraduate Mathematics Series.

Differential Thermal Analysis. Vol. 2, Applications. R. C. Mackenzie, Ed. Academic Press, New York, 1972. xvi, 608 pp., illus. \$35.

Diffraction of Elastic Waves and Dynamic Stress Concentrations. Yih-Hsing Pao and Chow-Chow Mow. Crane Russak, New York, and Hilger, London, 1973. x, 694 pp., illus. \$18.

Dilemmas of Social Reform. Poverty and Community Action in the United States. Peter Marris and Martin Rein. Aldine, Chicago, ed. 2, 1973. xii, 310 pp. Cloth, \$8.50; paper, \$3.50.

Dynamic Ecology. Boyd D. Collier, George W. Cox, Albert W. Johnson, and Philip C. Miller. Prentice-Hall, Englewood Cliffs, N.J., 1973. xii, 564 pp., illus. \$11.95. Prentice-Hall Biological Science Series.

The Earth and the Environment. Halsey W. Miller, Ronald E. Yarbrough, Dorothy Jean Gore, and Doyle E. Saddler. Stipes. Champaign, Ill., 1973. iv. 264 pp., illus. Spiral bound, \$6.40.

Evaluation of Environmental Intangibles. Nicholas H. Coomber and Asit K. Biswas. Genera, Bronxville, N.Y., ed. 2, 1973. vi, 78 pp., illus. Paper, \$3.95.

Experimental Control of Mitosis: II. Papers by J. J. McCormick and 19 others. MSS Information Corporation, New York, 1972. 178 pp., illus. \$15.

The Fossil Origins of Man. Halsey W. Miller. Stipes, Champaign, Ill., ed. 2, 1973. iv, 188 pp., illus. Paper, \$6.90.

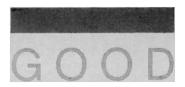
Foundations of Experimental Psychology. James W. Kalat, Ed. MSS Information Corporation, New York, 1972. 494 pp., illus. Paper, \$12.50.

Functional Anatomy of Marine Mammals. Vol. 1. R. J. Harrison, Ed. Academic Press, New York, 1972. xviii, 452 pp., illus. \$21.

Genetics and Education. Arthur R. Jensen. Harper and Row, New York, 1973. vi, 378 pp., illus. \$10.

Geologic Reference Sources. A Subject and Regional Bibliography of Publications and Maps in Geological Sciences. Dedrick C. Ward and Marjorie W. Wheeler. With a section on geologic maps by Mark W. Pangborn, Jr. Scarecrow, Metuchen, N.J., 1972. 454 pp. \$12.50.

Gesture, Race and Culture. A Tentative Study of Some of the Spatio-Temporal and "Linguistic" Aspects of the Gestural Behavior of Eastern Jews and Southern Italians in New York City. David Efron. Sketches by Stuyvesant Van Veen. Mouton, The Hague, ed. 2, 1972. 226 pp. f70. Approaches to Semiotics, 9.



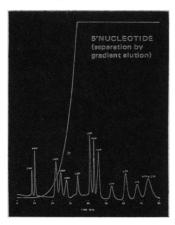
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Hawaiian Birdlife. Andrew J. Berger. University Press of Hawaii, Honolulu, 1973. xiv, 270 pp., illus. \$15.

History of Genetics. From Prehistoric

History of Genetics. From Prehistoric Times to the Rediscovery of Mendel's Laws. Hans Stubbe. Translated from the German edition (Jena, 1965) by T. R. W. Waters. MIT Press, Cambridge, Mass., 1973. xii, 356 pp., illus. \$14.95.

Homeostasis. Origins of the Concept. L. L. Langley, Ed. Dowden, Hutchinson, and Ross, Stroudsburg, Pa., 1973. xii, 362 pp. \$20. Benchmark Books Publishing Program.

The Housewares Story. A History of the American Housewares Industry. Earl Lifshey. National Housewares Manufacturers, Chicago, 1973. 384 pp., illus. \$10.

Human Judgment and Social Interaction. Leon Rappoport and David A. Summers. Eds. Holt, Rinehart and Winston, New York, 1973. xii, 404 pp., illus. \$8.95.

The Image of the Future. Fred Polak. Translated and abridged by Elise Boulding. Elsevier, Amsterdam, and Jossey-Bass, San Francisco, 1973. xii, 320 pp. \$9.75. Jossey-Bass/Elsevier International Series.

Immigrants from India in Israel. Planned Change in an Administered Community. Gilbert Kushner. University of Arizona Press, Tucson, 1973. xvi, 150 pp. Paper, \$6.95.

In Search of a Response. Leida Berg and Harold Steinberg. Tiresias Press, New York, 1973. xiii, 618 pp. \$20.

Inorganic Rings and Cages. Fred Armitage. Arnold, London, and Crane Russak, New York, 1973. xii, 388 pp., illus. \$37.50.

An Introduction to Chinese Civilization. John Meskill and J. Mason Gentzler, Eds. Columbia University Press, New York, 1973. xii, 700 pp., illus. \$17.50.

Introduction to Computational Methods for Students of Calculus. Samuel S. McNeary. Prentice-Hall, Englewood Cliffs, N.J., 1973. x, 198 pp., illus. \$8.50.

Introduction to Lie Algebras and Representation Theory. J. E. Humphreys. Springer-Verlag, New York, 1972. xiv, 170 pp., illus. Paper, \$10.80. Graduate Texts in Mathematics 9.

Land Snails in Archaeology. With Special Reference to the British Isles. John G. Evans. Seminar Press, New York, 1972. xii, 436 pp., illus. \$22.50. Studies in Archaeological Science.

Latin America. A Regional Geography. Gilbert J. Butland. Halsted (Wiley), New York, ed. 3, 1973. xvi, 464 pp., illus. Paper, \$8.50. Geographies: An Intermediate Series.

Law and Logic. A Critical Account of Legal Argument. Joseph Horovitz. Springer-Verlag, New York, 1973. xvi, 214 pp. \$19.90. Library of Exact Philosophy, 8.

The Life and Death of Whales. Robert Burton. Universe, New York, 1973. 160 pp., illus. \$6.95.

Light Sources. W. Elenbaas. Crane Russak, New York, 1973. xiv, 240 pp., illus. \$20.50. Philips Technical Library.

Male Dominance and Female Autonomy. Domestic Authority in Matrilineal Societies. Alice Schlegel. HRAF Press, New Haven, Conn., 1972. xvii, 206 pp. Cloth. \$8; paper, \$6.

The Manipulator. A Psychoanalytic View. Ben Bursten. Yale University Press, New Haven, Conn., 1973. x, 278 pp. \$10.

Materials Science. Arthur L. Ruoff. Prentice-Hall, Englewood Cliffs, N.J., 1973. xxx, 928 pp., illus. \$18.95.

Membrane Physiology. Richard A. Nystrom. Prentice-Hall, Englewood Cliffs, N.J., 1973. xx, 252 pp., illus. \$10.95. Prentice-Hall Biological Science Series.

Microbiological Applications. A Laboratory Manual in General Microbiology. Harold J. Benson. Brown, Dubuque, Iowa, ed. 2, 1973. xiv, 344 pp., illus. Spiral bound, \$6.50.

Neurosciences Research Symposium Summaries. Vol. 6, An Anthology from the Neurosciences Research Program Bulletin. Francis O. Schmitt, George Adelman, Theodore Melnechuk, and Frederic G. Worden. MIT Press, Cambridge, Mass., 1973. xii, 716 pp., illus. \$12.50.

A New Morality from Science: Beyondism. Raymond B. Cattell. Pergamon, New York, 1973. xviii, 482 pp. Cloth, \$17; paper, \$8. Pergamon General Psychology Series.

Newton and Russia. The Early Influence, 1698–1796. Valentin Boss. Harvard University Press, Cambridge, Mass., 1972. xviii, 310 pp., + plates. \$19. Russian Research Center Studies, 69.

Nobel Lectures, Including Presentation Speeches and Laureates' Biographies. Chemistry, 1963–1970. Published for the Nobel Foundation by Elsevier, New York, 1972. x, 360 pp., illus. \$38.

Numerical Methods in Markov Chains and Bulk Queues. Vol. 72. T. P. Bagchi and J. G. C. Templeton. Springer-Verlag, New York, 1972. xii, 90 pp., illus. Paper, \$5.10. Lecture Notes in Economics and Mathematical Systems. Operations Research, Computer Science, Social Science.

Operating Systems Techniques. Proceedings of a seminar, Belfast, Northern Ireland, Sept. 1971. C. A. R. Hoare and R. H. Perrott, Eds. Academic Press, New York, 1972. xii, 390 pp., illus. \$18.50. A.P.I.C. Studies in Data Processing, No. 9.

The Optical Microscope Manual. Past and Present Uses and Techniques. Brian J. Ford. David and Charles, Newton Abbot, England, and Crane Russak, New York, 1973. 206 pp., illus. \$7.75.

Organ and Tissue Regeneration in Mammals. MSS Information Corporation, New York, 1973. Vol. 1, papers by P. Nettesheim and five others. 162 pp., illus. Vol. 2, papers by R. F. Kempczinski and 12 others. 160 pp., illus. Each vol., \$15.

Personal Change and Reconstruction. Research on a Treatment of Stuttering. Fay Fransella. Academic Press, New York, 1972. xii; 282 pp., illus. \$10.95.

Persuasion and Healing. A Comparative Study of Psychotherapy. Jerome D. Frank. Johns Hopkins University Press, Baltimore, ed. 2, 1973. xxii, 378 pp., \$12.50.

Phylogenetic Development of Vertebrate Immunity. MSS Information Cor-



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poration, New York, 1973. Vol. 1, papers by William Neidermeier and ten others. 208 pp., illus. Vol. 2, papers by Joel M. Goodman and 11 others. 174 pp., illus. Each vol., \$15.

Progress in Biophysics and Molecular Biology. Vol. 26. J. A. V. Butler and D. Noble, Eds. Pergamon, New York, 1973. viii, 478 pp., illus. \$39.

Progress in Neurobiology. Vol. 1, part 1. G. A. Kerkut and J. W. Phillis, Eds. Pergamon, New York, 1973. vi, 84 pp., illus. Paper, \$6.

Progress in Nucleic Acid Research and Molecular Biology. Vol. 13. J. N. Davidson and Waldo E. Cohn, Eds. Academic Press, New York, 1973. xxiv, 478 pp., illus. \$23.

Progress in Organic Chemistry. Vol. 8. W. Carruthers and J. K. Sutherland, Eds. Halsted (Wiley), New York, 1973. viii, 344 pp., illus. \$32.50.

The Prostaglandins. Vol. 1. Peter W. Ramwell, Ed. Plenum, New York, 1973. xviii, 400 pp., illus. \$29.50.

Quantitative Decision Aiding Techniques for Research and Development Management. Papers from meetings, Oct. 1966, Dec. 1968, and Nov. 1969. Marvin J. Cetron, Harold Davidson, and Albert H. Rubenstein, Eds. Gordon and Breach, New York, 1972. x, 206 pp., illus. \$14.50; to members of the Military Operations Research Society, \$8.70.

Quantum Electrodynamics. G. Källén. Translated from the German edition by C. K. Iddings and M. Mizushima. Springer-Verlag, New York, 1972. xx, 234 pp. \$10.80.

The Radiation Chemistry of Macromolecules. Vol. 2. Malcolm Dole, Ed. Academic Press, New York, 1973. xviii, 406 pp., illus. \$25.

Reconstituting the Human Community. Proceedings of a conference, Bellagio, Italy, July 1972. Hazen Foundation, New Haven, Conn., 1973. 52 pp.

Los Recursos Naturales del Estado de Puebla y su Aprovechamiento. Proceedings of a conference, Pueblo, Mexico, Aug. 1972. Instituto Mexicano de Recursos Naturales Renovables, Mexico City, 1972. xii, 252 pp. 60 pesos. Mesas Redondas, 16 series.

Research on Human Subjects. Problems of Social Control in Medical Experimentation. Bernard Barber, John J. Lally, Julia Loughlin Makarushka, and Daniel Sullivan. Russell Sage Foundation, New York, 1973. viii, 264 pp. \$10.50.

Residue Reviews. Vol. 44, Residues of

Residue Reviews. Vol. 44, Residues of Pesticides and Other Contaminants in the Total Environment. Francis A. Gunther and Jane Davies Gunther, Eds. Springer-Verlag, New York, 1972. viii, 192 pp., illus. \$16.50.

The Retreat from Riches. Affluence and Its Enemies. Peter Passell and Leonard Ross. Viking, New York, 1973. xvi, 204 pp. \$6.95.

Reverse Osmosis Membrane Research. Proceedings of a symposium, Washington, D.C., Sept. 1971. H. K. Lonsdale and H. E. Podall, Eds. Plenum, New York, 1972. xii, 504 pp., illus. \$27.50.

A Review of the Technological Efficacy of Some Antioxidants and Synergists. World Health Organization, Geneva, 1972 (available from the American Public

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Health Association, Washington, D.C.). iv, 144 pp. \$2. WHO Food Additives Series, No. 3. FAO Nutrition Meetings Reports Series, No. 50.

The Role of Aggression in Human Pathology. H. Musaph and P. J. G. Mettrop, Eds. Karger, New York, 1972. iv, 80 pp., illus. Paper, \$5.60. Reprint from Psychotherapy and Psychosomatics, vol. 20. No. 5.

Scientific Foundations of Neurology. Macdonald Critchley, James L. O'Leary, and Bryan Jennett, Eds. Davis, Philadelphia, 1972. xiv, 502 pp., illus. \$33.

Scientific Knowledge and Its Social Problems. Jerome R. Ravetz. Oxford University Press, New York, 1973. xii, 450 pp. Paper, \$3.95. Reprint of the 1971 edition.

Scientist Extraordinary. The Life and Scientific Work of Thomas Henry Huxley, 1825-1895. Cyril Bibby. St. Martin's, New York, 1972. xii, 208 pp. + plates. \$8.95.

The Selected Works of Pierre Gassendi. Edited and Translated by Craig B. Bush. Johnson, New York, 1972. xiv, 442 pp. \$25. Texts in Early Modern Philosophy.

A Short Course in Modern Organic Chemistry. John E. Leffler. Macmillan, New York, and Collier-Macmillan, London, 1973. xviii, 366 pp., illus. \$10.95. A Series of Books in Organic Chemistry.

Sintering and Related Phenomena. Proceedings of a conference, Notre Dame, Ind., June 1972. G. C. Kuczynski, Ed. Plenum, New York, 1973. xii, 452 pp., illus. \$25. Materials Science Research, vol.

Stress Analysis of Polymers. J. G. Williams. Halsted (Wiley), New York, 1973. 276 pp., illus. \$16.95.

The Tennessee Valley Authority. Marguerite Owen. Praeger, New York, 1973. xii, 276 pp., illus. \$9.50. Praeger Library of U.S. Government Departments and Agencies.

Thick Film Circuits. G. V. Planer and L. S. Phillips. Crane Russak, New York, 1973. viii, 152 pp., illus. \$14.50.

Thirteen: The Flight That Failed. Henry S. F. Cooper, Jr. Dial Press, New York, 1973. viii, 200 pp. \$5.95.

38. Deutsche Pflanzenschutz-Tagung. Der biologischen Bundesanstalt für Land- und Forstwirtschaft, Berlin, Oct. 1971. Biologischen Bundesantstalt für Land- und Forstwirtschaft, Berlin, 1972. DM 23. Mitteilungen aus der Biologischen Bundesanstalt, Heft 146.

Vapour Growth and Epitaxy. Proceedings of a conference, Jerusalem, May 1972. G. W. Cullen, E. Kaldis, R. L. Parker, and M. Schieber, Eds. North-Holland, Amsterdam, 1972. x, 382 pp., illus. \$40.75. Reprinted from the Journal of Crystal Growth, vol. 17, 1972.

Work in America. Report of a Special Task Force to the Secretary of Health, Education, and Welfare. M.I.T. Press, Cambridge, Mass., 1973. xxii, 262 pp. Cloth, \$10; paper, \$2.95.

World Population Crisis. The United States Response. Phyllis Tilson Piotrow. Praeger, New York, 1973. xxiv, 276 pp., illus. \$17.50. Praeger Special Studies in International Economics and Development. Law and Population Book Series, No. 4.

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The Ames Company Division of Miles Laboratories, Inc., a leading manufacturer of clinical laboratory reagents and professional medical electronic equipment, is undergoing rapid growth and, as a result, a new position has developed for a highly motivated Ph.D. with a background in clinical medicine.

Broad duties will include establishing training programs for Ames Company management, field sales force, and customers relative to the Ames product line. Successful candidate should possess good communicative skills, both oral and written.

The Ames Division offers excellent research facilities as well as a strong scientific environment as a result of its close association with several nearby major universities located in Elkhart, Indiana. A community of 50,000 population, we offer excellent recreational and educational opportunities as well as convenient accessibility to the metropolitan Chicago area.

If you are confident of your abilities yet unchallenged in your present position, consider this opportunity as an avenue to attain your career objective. Please send your resume, including your salary requirements, to:

Robert L. Farnum

Placement Representative-Dept. 643

MILES LABORATORIES, INC.

ELKHART, INDIANA 46514

Equal Opportunity Employer

Assistant Professor. Ph.D. with specialization in Wildlife Productivity and Management, preferably with agricultural interests. Duties will include development of: teaching, initially at an introductory level in the Forestry program and for other interested students, to be followed by appropriate senior offerings; adult education and research in areas of interface between wildlife, domestic animals, recreation, conservation and multiple land use in Agriculture and Forestry. Starting salary \$12,500 to \$13,061; open immediately.

Forward applications, including curriculum vitae, transcripts and names of three referees, by 1 August to Chairman, Department of Animal Science, Faculty of Agriculture and Forestry, University of Alberta, Edmonton, Alberta, T6G 2E3, Canada.

FACULTY POSITIONS IN BIOCHEMISTRY

FACULTY POSITIONS IN BIOCHEMISTRY
In accord with affirmative action and University
policy, St. Louis University School of Medicine
is inviting applications from well-qualified Ph.D.'s
with postdoctoral training in the fields of membrane biochemistry, physical chemistry, lipid
biochemistry or molecular biology. Initial appointment will be made at the rank of assistant
or associate professor of biochemistry. An ongoing research program or research proposal is
essential. Good salary and initial research support are available. The Department is responsible
for teaching both medical and graduate students.
Interested persons are asked to submit curriculum vitae to Dr. Robert E. Olson, Chairman,
Department of Biochemistry, St. Louis University
School of Medicine, 1402 S. Grand Avenue, St.
Louis, Missouri 63104.

NOTRE DAME UNIVERSITY OF NELSON NELSON, BRITISH COLUMBIA

NELSON, BRITISH COLUMBIA

1. Ph.D. Botanist: to teach undergraduate courses in Morphology and Ecology.

2. Part-time or full-time Biologist: to teach undergraduate courses in Cell Biology-Genetics. Salary and rank commensurate with qualifications and experience.

Send applications, curriculum vitae, and references to: Chairman, Department of Biological Science.