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of gram-positive bacteria" by Maclyn McCarty and Stephen I. Morse; "Structure and biological activity of immunoglobulins" by Sydney Cohen and Rodney R. Porter; "Autoantibodies and disease" by H. G. Kunkel and E. M. Tan; and "Effect of bacteria and bacterial products on antibody response" by J. Munoz.


Drugs and Respiration. Papers presented during the Second International Pharmacological Meeting (Prague), August 1963. Domingo M. Aviado and František Palecek, Eds. Pergamon, London; Macmillan, New York, 1964. 253 pp. Illus. $10. Twenty-three papers: the topics are Central Control of Respiration (5 papers); Respiratory Failure (6 papers); Respiratory Stimulants (4 papers); Reflexes from Pulmonary Circulation (4 papers); Reflexes from Other Areas (4 papers).


The Hormones: Physiology, Chemistry, and Applications. vol. 5. Gregory Pincus,
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Pscheidt; "The phenothiazine tranquillizers: Biochemical and biophysical actions" by Paul S. Guth and Morris A. Spitures; "Comments on the selection and use of symptom rating scales for research in pharmacotherapy" by J. R. Wittenborn; and "Multiple molecular forms of brain hydrolases" by Joseph Bernsohn and Kevin D. Barron.

**Methods in Carbohydrate Chemistry.** vol. 5, General Polysaccharides. Roy L. Whistler, Ed. Academic Press, New York, 1965. 485 pp. Illus. $16.50. Eighty-nine papers; the sections are General Isolation Procedures (18 papers); Polysaccharides Preparations (38 papers); Chemical Analyses (4 papers); Physical Analyses (5 papers); Molecular Weight Determinations (4 papers); Structural Methods (13 papers); Derivatives (7 papers); and Selected Methods Found in Other Collections.


**The Physiology of Insecta.** vol. 2, pts. B and C. Morris Rockstein, Ed. Academic Press, New York, 1965. 921 pp. Illus. $33. Fourteen papers: "Physiology of insect behavior" by H. Markl and Martin Lindauer; "Social behavior and mutual communication" by Martin Lindauer; "Migration" by C. G. Johnson; "Locomotion: Terrestrial" by George M. Hughes; "Locomotion: Swimming (hydrodynamics) of aquatic insects" by Werner Nachtigall; "Locomotion: Flight" by J. W. S. Pringle; "Neural integration (central nervous system)" by F. Huber; "Neural control of skeletal muscle" by Graham Holyle; "The biochemistry of the contractile elements of insect muscle" by Koscak Maruyama; "Energetics and respiratory metabolism of muscular contraction" by Bertram Sacktor; "Intermediary metabolism of carbohydrates in insects" by W. Chefurka; "Intermediary metabolism of nitrogenous and lipid compounds in insects" by W. Chefurka; "Insect nutrition" by H. L. House; and "Digestion" by H. L. House.


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advances in the organometallic chemistry of nickel" by G. N. Schrauzer; "The strengths of metal-to-carbon bonds" by H. A. Skinner; "Electronic structure of alkali metal adducts of aromatic hydrocarbons" by H. A. Skinner; "Reactions of alkali metal derivatives of metal carbonyls and related compounds" by R. B. King; "Heterocyclic organoboranes" by R. Köstler; "Allyl metal complexes" by M. L. H. Green and F. L. I. Nagy; and "Synthesis of cyclopentadienyl metal compounds" by John Birmingham.


Antarctic Map Folio Series. Folios 1 and 2. Folio 1, Aeronomical Maps for the Antarctic by R. Penndorf, T. M. Noel, G. F. Rourke, and M. A. Shea; Folio 2, Physical Characteristics of the Antarctic Ice Sheet by C. R. Bentley, R. L. Cameron, C. Bull, K. Kojima, and A. J.

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Veterinary Hematology
By O. W. Schalm, D.V.M., University of California School of Veterinary Medicine, Davis. Approximately 400 Pages, 65 Illustrations and 30 in Color on 21 Plates. 2nd (1965) Edition.

The only English-language text devoted exclusively to the subject. This book presents blood morphology in health and disease for the dog, cat, calf, sheep, goat, horse and pig. Normal values are also included for such laboratory animals as the rabbit, guinea pig, hamster, monkey, rat and mouse. Completely updated and enlarged, including forty-five additional tables of data.

Anatomy & Physiology of Farm Animals
By R. D. Frandson, D.V.M., Colorado State University College of Veterinary Medicine, Fort Collins. Approximately 450 Pages and 350 Illustrations. New (1965) Book.

Covers the fundamentals of anatomy and physiology as they apply to all animals, then considers species differences. The cow and horse are discussed in greatest detail. Special emphasis is given to the digestive and reproductive systems, with chapters on the mammary glands, milk secretion and endocrinology.

Pharmacognosy
By Edward P. Claus, Ph.D., Dean, College of Pharmacy, Ferris State College, Michigan; and Varro E. Tyler, Jr., Ph.D., University of Washington College of Pharmacy, Seattle. Approximately 380 Pages, 250 Illustrations and 1 Color Plate. 5th (1965) Edition.

Reflecting the changing emphasis from the descriptive to a more deductive approach, this edition incorporates information on the biosynthesis of a number of botanical and zoological constituents into the discussion of derivation, identification, chemical and uses of therapeutic substances of biological origin.

Hospital Pharmacy
By William E. Hassan, Jr., Ph.D., Peter Bent Brigham Hospital; and Massachusetts College of Pharmacy, Boston. Approximately 400 Pages and 60 Illustrations. New (1965) Book.

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Paper, S. Three papers: "Foundations and current problems of general relativity" by A. Trautmann (notes by Graham Dixon, Petros Florides, and Gerald Lemmer); "Introduction to gravitational radiation theory" by F. A. E. Pirani (notes by J. J. J. Marek and the lecturer); and "Some special solutions of the Einstein equations" by H. Bondi (notes by John Hyde).

Lectures on the Many-Body Problem, vol. 2. Lectures delivered at the Fifth International School of Physics (Ravello, Italy), April-May 1963. E. R. Caianiello, Ed. Academic Press, New York, 1964. 306 pp. Illus. $10.50. Fourteen papers: "Introductory remarks on solid-state physics" by R. E. Peierls; "Discontinuities in the drift velocity of ions in liquid helium" by G. Careri, S. Cunsolo, P. Mazzoldi, and M. Vicentini-Missoni; "Density fluctuation excitations in many-particle systems" by D. Pines; "The electron-phonon interaction in normal and superconducting metals" by Leo P. Kadanoff; "Special effects in superconductivity" by P. W. Anderson; "Tunneling from a many-particle point of view" by R. E. Prange; "Superconductivity with p- and d-wave pairing" by R. Balian; "Electrons in disordered systems" by J. L. Beeby; "Oscillations of a quantum electron gas in a uniform magnetic field" by Eric Canel and N. David Mermin; "Temperature-dependent random phase approximations for the Heisenberg ferromagnet" by G. Horowitz; "Renormalization in equilibrium statistical mechanics" by Cyrano De Dominicis; "Liouville representation of quantum mechanics with applications to relaxation processes" by U. Fano; "The mathematics of second quantization for systems of Fermions" by E. R. Pike; and "Correlation functions and macroscopic equations" by Paul C. Martin.


Molecular Orbital Theory. An intro-


Nitro Compounds. Proceedings of the international symposium (Warsaw, Poland), September 1963. Tadeusz Urbaski, Ed. Pergamon, London; Macmillan, New York, 1964. 558 pp. Illus. $15. Seven plenary lectures and 43 communications (in English, German, French, or Russian) presented at the symposium. The section titles are Nitration (14 papers); Non-Aromatic Nitro Compounds (20 papers); Aromatic Nitro Compounds (9 papers); and Biological Activity of Nitro Compounds (7 papers).


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* WITH ANALOG OUTPUT
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* WITH AUTO PRINT OUT
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* The new Goldberg Refractometer and its use as a "concentrimeter" were developed in cooperation with Dr. A. V. Wolf, Head of the Dept. of Physiology, University of Illinois, College of Medicine.

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Dept. Q4
Please send complete information on the Model 10402 Goldberg T/C Refractometer.

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