

1943

Police Science Book Reviews

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Recommended Citation

Police Science Book Reviews, 34 J. Crim. L. & Criminology 138 (1943-1944)

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POLICE SCIENCE BOOK REVIEWS

Joseph W. Harney [Ed.]

BLOOD GROUPS AND TRANSFUSION. Third Edition. By *Alexander S. Weiner*, M. D. (Serologist and Bacteriologist in the Office of the Chief Medical Examiner of New York City. Head of Transfusion Division, Jewish Hospital of Brooklyn, New York.) Charles C. Thomas. (Springfield, Ill., 1943.) Pp. 438, 69 Figures, 106 Tables. \$7.50.

Dr. Weiner's monograph was first published in 1935. The second edition appeared in 1939 and was exhaustively reviewed in this Journal (31: 252, 1940). The appearance of three editions in the relatively short period of eight years is ample proof of the popularity of the book particularly if one considers the special nature of its subject. The present edition is twice the size of the first and has 132 pages more than the second. It has been thoroughly revised and two entirely new chapters have been added. The theoretical aspects of blood groups are presented exhaustively, but clearly. The same holds for the technic of blood grouping and typing. The readers of this Journal will be especially interested in the last two chapters on medico-legal applications of blood tests in disputed parentage and on individual identification of stains in forensic cases. Both have been brought up to date. The discussion of precipitin tests has been extended and covers the use of precipitin serums against human hemoglobin and the precipitin reaction of seminal fluid. The chapter on the identification of stains contains especially valuable data on sources of error. Emphasis on sources of error is an outstanding feature of the whole book. A valuable addition is a discussion on post-mortem blood grouping. This book can be recommended without reservation to all who seek information about blood groups and their manifold applications.

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MEDICAL JURISPRUDENCE AND TOXICOLOGY (Seventh Edition) by *John Glaister*, M.D., D.Sc., Fellow of the Royal Faculty of Physicians and Surgeons, Glasgow; of the Inner Temple, Barrister-at-Law, etc. Regius Professor of Forensic Medicine, University of Glasgow; formerly Professor of Forensic Medicine, University of Egypt, Cairo; and Medico-Legal Consultant to the Egyptian Government. The Williams and Wilkins Co. (Baltimore, 1942), 132 Illustrations (4 in color). Pp. viii, 671. \$8.00.

This book, now in its seventh edition, was originated in 1902 by Dr. John Glaister, Professor of Forensic Medicine and Public Health in the University of Glasgow. Following his death in 1932 after the publication of the fifth edition, his son carried forward the work of keeping this text up to date. The sixth edition (1938) was edited by the son and this seventh edition has been largely rewritten by him. The result has been a decided improvement of the book. Older case reports which took up so much space in the earlier editions have been eliminated. Likewise, older journal references have been replaced by more recent ones and greater attention has been paid to non-British sources.

The book is divided into two major sections, "Medical Jurisprudence" constituting about two-thirds of the volume, and "Toxicology" about one-third. Fortunately, the section on "Medical Jurisprudence" is chiefly devoted to forensic medicine. That portion of the book which deals strictly

with medical jurisprudence, or law as it applies to medical problems, is of little value to persons outside of Great Britain. For example, it is only of academic interest to American readers to know the details of criminal trial procedure in Scotland. But since Forensic Medicine, or medicine as it pertains to legal problems is based upon natural law rather than legislative fiat, its principles are universally applicable.

The fifteen chapters which constitute the section on Medical Jurisprudence cover such topics as Post Mortem Examinations, Identification, Medico-legal Aspects of Death, Blood Stain, Sex Offenses, Infanticide and Death from Asphyxia, Wounds, Electricity, Burns and Exposure. The chapters dealing with the identification of human remains and with the investigation of violent deaths are particularly well written and well illustrated. Most of the cases cited, are recent ones.

The section on Toxicology (11 chapters) has been rewritten giving symptoms and post-mortem appearances produced by the common poisons. Most of the laboratory techniques for the quantitative determination of poisons have been omitted. This was done "since it is felt that this investigation is outside the scope of both student and practitioner, and for many years, has passed into the rightful province of the analyst. The interpretation of the results of the analysis remains within the sphere of the medical practitioner." (p.v.) New poisonous substances are described briefly and short chapters on "War Gases and Effects of Blast" and "Air Raid Deaths" are included.

The book represents a distinct advance over previous editions and should serve as a very useful text for medical students and as a valuable reference for physicians, medical-examiners, attorneys and coroners who are called upon to conduct investigations in this field. The publisher is to be commended for the excellence of the illustrations. About one-third of these are new. In earlier editions, these were often poorly printed and failed to illustrate the points as given in the text; but in this edition, the illustrations are clear and highly informative.

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MEDICO-LEGAL BLOOD GROUP DETERMINATION, Theory, Technique and Practice, by *David Harley*, M.D., B.Sc., F.I.C. (The Laboratories of the Inoculation Department, St. Mary's Hospital, London.) William Heinemann, Medical Books, Ltd. (London, 1943). Greene & Stratton. Pp. 119, 13 illustrations. Price 12s, 6d. \$3.50.

This monograph will be of special interest to readers of this Journal because it is limited to medical legal aspects of the theory and practice of blood groups. It is divided in three sections. The first summarizes the present day knowledge of the blood groups, including heredity, distribution in tissues other than blood, the findings regarding secretors and non-secretors, and the principles of medico-legal application. Section two describes in considerable detail the technic of the author for paternity tests and for blood and secretion stains. It is based on the capillary tube technic of Wright, a method rarely used in this country. In the last section (the largest of the three) the author's personal experiences in 65 paternity tests with ten exclusions and records of studies of blood, semen and saliva stains in fifteen criminal investigations are recorded. Proposed bastardy bills and a report of a Committee of the House of Lords on the bastardy bill will be

of special interest to those who are interested in the passage of laws permitting the use of blood groups in paternity litigations in our courts. The presentation is clear. While meant primarily for British consumption the book will be useful to American readers.

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POLICE RESERVE TRAINING, by *Lieutenant Orvle R. Williams*. Bulletin No. 9, Oregon State Board of Education, Division of Vocational Education (Salem, Oregon, 1941). Pp. 236. \$0.30.

Only a few of the states in the country seem to be aware of the necessity for an adequate and systematic in-service training for police in all of the branches of the law enforcement service. However, Oregon is apparently one of those states that is aware of the problem of in-service training for police officers, and what is more important seems to be meeting the problem in a clear cut and definite way. The fact that from time to time such bulletins as this are issued by the Oregon State Board of Education is evidence of this fact.

The author, Lieutenant Orvle R. Williams, presents to his readers a series of lectures on the following subject matter: Criminal Investigation (including under-cover work, patrol, and crime prevention); The Acquiring of Evidence (from individual as well as the acquiring of physical and circumstantial evidence); The Presentation of Evidence in Court; Law of Evidence; Guard and Patrol Duty; Law of Arrest; Law of Search and Seizures; Criminal Procedure; Burglary and Larceny; Records and Reports; Principles of Identification Traffic Regulations and Control; and Teaching Methods. The material in these lectures is of interest to all police officers (uniform and citizen's dress) and will help him to solve the many problems he finds himself confronted with in the day to day course of his work.

Lieutenant Williams knows his subjects and readers from practical experience and this experience enables him to present what should be taught in a graphic manner. His job is the teaching of police officers how to handle their every day problems and he does it well. By these lectures and the publishing of this bulletin and others like it, the State of Oregon takes its place with the few other states that recognize police work as a profession, treat it as such, and insist that all its officers, both City and State, be properly trained. The police field will vastly improve when other states follow the example set by the State of Oregon.

JOHN I. HOWE

Captain
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LAUGH AT THE LAWYER WHO CROSS EXAMINES YOU, by *Charles L. Cusmano*. Published by Old Faithful Publishing Co. (New York 1942.) Pp. 362. \$3.00.

Dedicated to the task of educating witnesses in order to make their court appearances less of a trial by ordeal and more a pleasant experience is this book by Charles L. Cusmano of the New York Bar. In *Laugh at the Lawyer Who Cross Examines You*, Mr. Cusmano sets out a number of rules and practices by which a witness can prepare himself for his court debut and govern his conduct while actually testifying from the witness stand.

As the author states, none of the suggestions advanced can claim originality in themselves, but the manner of their presentation in systematic form, with an attempt at the chronological order in which the witness will be faced with his various problems, and for the illumination with respect to co-operation that the book throws on the lawyer-client relation the writer has earned a debt of gratitude from the entire law profession.

Phrased in down-to-earth, every-day language, with explanatory anecdotes, jokes and excerpts culled from a multitudinous variety of sources, the author presents a practical summary of what a witness's preparation should be, how to present his story on direct examination, and how to foil that Nemesis of all who enter the witness box, the cross-examiner.

Twelve rules are set out and elucidated, such as Preserve the Evidence, Co-Operate with the Lawyer for Your Side, Review Your Facts, Aim to Convince But Do Not Memorize, Expect Surprise Test, Answer Questions and Stop, etc. After this discussion, which, as can be seen from the chapter headings, is directed at novice lay witnesses, Mr. Cusmano devotes the last part of the work to instruction and as a guide for the expert witness. The Range of Expert Opinions, Qualifications, Suggestions for Trial Preparation, Hypothetical Questions, and some specific suggestions regarding Doctors, Experts on Value and Handwriting, together with an Outline of Procedure for Experts, comprise some of the material covered in this section of the book.

Laugh at the Lawyer Who Cross Examines You is not written for the trained legal mind but, as the author states, is directed at that great army of witnesses who are not born but just happen. For them it should afford instructive and entertaining reading.

RICHARD E. GORMAN

Chicago Police
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FIREARMS AND THEIR USE, by *W. Castles* and *V. F. Kimball*. Published by the Chemical Co., Inc. (Brooklyn, N. Y., 1942). Pp. xv, 231. \$1.98.

Firearms and Their Use was written to help America reclaim her title of "a nation of marksmen." It was the aim of Castles and Kimball to aid the beginner in the selection of a suitable gun and to give some instructions in the care and use of guns. Therefore, only guns which are being manufactured now or were manufactured recently are discussed. Emphasis is placed upon guns which are suitable for target and general hunting use.

The book is divided into three chapters on Shotguns, Rifles and Pistols. The various guns discussed are treated according to makers, use, and cartridges for which they are chambered. The cartridges most commonly used are analyzed in relation to their accuracy and stopping power.

For those not already familiar with guns, this book will serve as a guide in choosing a weapon and getting started on the road to marksmanship. For police officers, this book will be a catalog of the commonly occurring guns containing a brief history and description of each gun.

Of considerable importance is the chapter on Safety in Shooting. Too much cannot be said about this subject. Precautions and advice in range construction are given that will be extremely helpful.

Firearms and Their Use is well organized, well written and should be well received by shooters interested in improving their status as prepared citizens.

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PLANT PROTECTION, by *E. A. Schurman*. Published by the Cornell Maritime Press (New York, N. Y.). Pp. 141. \$2.00.

With the beginning of the present world conflict, industry suddenly became "protection conscious," and the once humble watchman has now grown in stature and importance. How this change came about and how great and far-reaching have been its results is succinctly and concisely stated in this handbook for American industrial protection. Even before December 7, 1941, when we became active participants in World War II, the necessity for safeguarding our industries, if we were to continue in our role as the "Arsenal of Democracy," was well recognized. Inefficient and inadequate watch services could not measure up to the strict standards of Navy and War Department regulations for the security of the products and materials which were being constructed for our armed forces.

The author, in this pointed, well written guidebook, has called upon his wealth of experience, to outline a method of organization and operation for a plant protection force suitable for a huge government-maintained industrial site, employing thousands of workers and covering acres of ground which with simple modifications may be applied to a modest manufacturing concern working a few hundred employes and occupying limited quarters. The problems of management in organizing an adequate protection department or transforming an existing limited force to take over the responsibilities entailed in changing private industry to war production are competently treated in the first part of the book, along with suggestions on a plan of operation, office routine, selection of personnel, equipment and training.

Later chapters deal with identification of employes, control of personal articles, passes, inspection of vehicles, visitors, building patrols, outside patrols and a host of other duties of the plant protection force. Troublesome problems are elucidated and procedures and recommendations are advanced for the proper handling of these situations.

Mr. Schurman clearly shows that plant protection as administered today is a specialized branch of police science and has a definite place in procuring the security which is necessary to protect our industries from the advances of sabotage as well as theft, fire and carelessness and thoughtlessness. This book is a fine source of ideas for any person charged with the direction of such a department in the present emergency and for the maintaining of a high level of efficiency in industry when peace comes.

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ADHESIVES, by *Felix Braude*. Chemical Publishing Company (Brooklyn, N. Y., 1943). Pp. 154, \$3.00.

This book presents the subject of adhesives from a practical, non-technical point of view and is intended for the producer, consumer or salesman. However, it contains considerable material which should be of interest to laboratory technicians, especially to analysts and examiners of questioned documents. The greater part of the book is concerned with the properties and preparation of various types of adhesives, with formulas and directions for the compounding of flour pastes, putties, dextrin and casein adhesives, vegetable and animal glues, rubber wax and synthetic adhesives, and many others. The physical and chemical tests for adhesives are not presented but many of the characteristics of glues and pastes are described, and a chapter on raw materials contains some useful information for the analyst.

To the laboratory technician desiring an elementary presentation of the subject of adhesives, or a formulary for purposes of reference in analytical work, this book will undoubtedly fill his needs.

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FLUORESCENT CHEMICALS AND THEIR APPLICATIONS by *Jack DeMent* (Research Chemist, The Mineralogist Laboratories) with a special chapter on Ultra Violet Light Sources, by *H. C. Drake* (Editor, The Mineralogist Magazine). The Chemical Publishing Company (Brooklyn, N. Y., 1942). Pp. 240, \$4.25.

As indicated by the title, this work is concerned primarily with the uses of fluorescent chemicals in the arts, sciences and industries. It contains a list of nearly 3000 chemicals with their fluorescence noted under known wavelengths of ultra-violet radiation. Although in ordinary practice the determinations of fluorescence color are necessarily somewhat subjective and the fluorescence may vary somewhat with different samples, the tables presented in this book should be of considerable value to the laboratory technician who utilizes ultra-violet radiation.

The book contains seven chapters as follows: Fluorescent Light, Technique and Critique; Fluorescent Chemicals Applied; Sources of Ultraviolet Light; Fluorescence of Water; Fluorescent Inorganic Substances; and Fluorescent Organic Substances. In addition, there is a brief bibliography of general works, and author and subject indexes. Since there has long existed a need for a systematic presentation of the fluorescent characteristics of inorganic and organic chemicals, chapters 6 and 7 of the present work should be of special interest to laboratory technicians. The inorganic compounds are arranged according to groups and the compounds of each group are listed in tabular form together with their characteristic fluorescence. Many types of fluorescent organic materials are presented such as: Aldehydes; Ethers and Ketones; Aromatic Compounds; Plant Extracts; Dyes, Stains and Indicators; Amines; Alkaloids and Glucosides, etc.

Fluorescent Chemicals and Their Applications is a valuable companion volume to *Fluorescent Light and Its Applications* by the same authors, and it should be extremely useful to police laboratory technicians.

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Recent Publications in the Field of Police Science

This list is a compilation gathered by the editors of the American Journal of Police Science, as well as numerous friends of the Journal. It is the desire of the Journal to present as complete a bibliographical service for its readers as possible. With this end in view, suggestions as to additional titles to be added to this list will be appreciated and the suggestions will help to make this a valuable feature for the Journal readers. Much of the material herein listed is to be reviewed in future issues of the Journal. BOOKS FOR REVIEW AND BIBLIOGRAPHICAL MATERIAL should be sent to Joseph W. Harney, Chicago Police Scientific Crime Detection Laboratory, 12th Floor, 1121 South State Street, Chicago, Illinois.

ADMINISTRATION AND ORGANIZATION IN WARTIME IN THE UNITED STATES, *Dorothy Campbell Culver*. Bureau of Public Administration, University of California (1940). Pp. 17. \$0.50.

BLASTERS' HANDBOOK. Prepared by the Technical Section, E. I. du Pont de Nemours & Co. (1943). Pp. 339. \$1.00.

- CHEMICAL DICTIONARY, *A. W. Mayer*. Chemical Publishing Co. (1942). Pp. 870. \$8.00.
- CHEMICAL FORMULARY, VOL. VI. Chemical Publishing Co. (1943). Pp. 636. \$6.00.
- COAST GUARD LAW ENFORCEMENT, *Ridsdale Ellis*. Cornell Maritime Press (1943). Pp. 203. \$2.50.
- COMBAT JIU JITSU, *S. R. Linck*. Stevens-Ness Law Publishing Co. (1943). Pp. 126. \$3.50.
- CRIMINAL INTERROGATION WITH THE LIE DETECTOR; EIGHT YEARS' EXPERIENCE BY THE MICHIGAN STATE POLICE, *Le Moyne Snyder*, M. D. Reprinted from *Annals of Internal Medicine*, Vol. 18, No. 4 (April, 1943). Lancaster Press, Inc.
- EVIDENCE HANDBOOK FOR POLICE, *David Geating Monroe*. Northwestern University Traffic Institute (1943). Pp. 148. \$2.00.
- GAS WARFARE, *Colonel Alden H. Waitt*. Duell, Sloan and Pearce (1942). Pp. 274. \$2.75.
- GUN CARE AND REPAIRS, *Charles Edward Chapel*. Coward-McCann, Inc. (1943). Pp. 467. \$3.75
- KODACHROME AND KODACOLOR FROM ALL ANGLES, *Fred Bond*. Camera Craft Publishing Co. (1942). Pp. 232. \$6.50.
- MANUAL OF EXPLOSIVES, MILITARY PYROTECHNICS AND CHEMICAL WARFARE, *Jules Bebie*. The Macmillan Co. (1943). Pp. 185. \$2.50.
- MASTERING THE RIFLE, *Morris Fisher*. G. P. Putnam's Sons (1940). Pp. 206. \$2.50.
- MASTERING THE PISTOL AND THE REVOLVER, *Morris Fisher*. G. P. Putnam's Sons (1940). Pp. 158. \$2.50.
- MUNICIPAL POLICE ADMINISTRATION. Second Edition. Edited by *O. W. Wilson and Theo Hall*. International City Managers' Association (1943). Pp. 531. \$7.50.
- OFFICIAL DEFENSE PUBLICATIONS SUPPLEMENT, *Jerome K. Wilcox*. Bureau of Public Administration, University of California (1942). Pp. 135. \$0.75.
- OFFICIAL DEFENSE PUBLICATIONS, *Jerome K. Wilcox*. Bureau of Public Administration, University of California (1941). Pp. 106. \$0.75.
- OFFICIAL WAR PUBLICATIONS, *Jerome K. Wilcox*. Bureau of Public Administration, University of California (1942). Pp. 212. \$0.75.
- PAPERMAKING, *Dard Hunter*. Alfred A. Knopf, Inc. (1943). Pp. 398. \$4.50.
- PASSPORT TO TREASON, *Allan Hynd*. Robert M. McBride & Co. (1943). Pp. 306. \$3.00.
- PRACTICAL FINGERPRINTING, *B. C. Bridges*. Funk & Wagnalls (1942). Pp. 367. \$4.00.
- SOUTHERN CALIFORNIA LAW REVIEW, VOL. XVI, No. 3, MARCH, 1943. Symposium Series on Scientific Proof and Relations of Law and Medicine. University of Southern California Law Review (1943). \$1.00.
- WHAT YOU SHOULD KNOW ABOUT SPIES AND SABOTEURS, *Will Irwin and T. M. Johnson*. W. W. Norton & Co. (1943). Pp. 227. \$2.50.
- X-RAYS IN RESEARCH AND INDUSTRY, *H. Hirst*. Chemical Publishing Co. (1943). Pp. 127. \$2.50.