

1954

## Police Science Technical Abstracts and Notes

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## POLICE SCIENCE TECHNICAL ABSTRACTS AND NOTES

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**Explosive Properties of Sugar Dusts**—R. I. Meek and J. M. Dallavalle, *Industrial and Engineering Chemistry*, 46: 763-6 (April, 1954). Studies of the explosibility of dextrose, sucrose, and raffinose indicate that the maximum explosion pressure is inversely related to the number of carbon atoms in the sugars. Optimum conditions for an explosion are dependent upon particle size; the smaller the particles, the smaller concentration of dust required.

**Legal Safe Crackers Work with Police**—Donald Johnson, *Vox-Cop*, 10: (2) (Jan.-Feb., 1954). The safe and lock school sponsored by Sargent and Greenleaf, Inc., Rochester, N. Y., instructed a class of carefully chosen men in the history, construction, manufacture, and design of lock and safe mechanisms. It is the objective of this instruction to provide law enforcement with technicians capable of analyzing the method of entry through a locking mechanism in a suspected case of breaking and entering.

**Ball Point Pen Writing**—G. P. Salbbert, *The Nongqai* (Publication of the South African Police): 148-9 (February, 1954). Detective Sergeant Salbbert of the South African Criminal Bureau, Pretoria, reports on research with ball point pen writing in which he points out the value of the uneven ink flow from the pen as a means of personal identification. In illustrated examples, he shows the position of ink dots and skips which agree in writings prepared by the same person and differ when the same name is written by another person. This is the first reported attempt to use these irregularities in the actual identification of the writer, and

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the findings of the article run contrary to reported work of document examiners in this country. (Contributed by Ordway Hilton, Examiner of Questioned Documents).

**Cinematographic Evidence In Law**—Anthony R. Michaelis, *The Quarterly of Film, Radio, and Television*, 8 (2): 186-93 (1953). The author discusses the use of motion pictures in legal proceedings describing techniques used for making and projecting pictures, means of obtaining this type of evidence, and by citing examples, some of its value in both criminal and civil cases. Forensic photographers will find information of value in this concise presentation. (O. H.)

**The Nature of Errors in Experimental Lie Detection**—D. Van Buskirk and F. L. Marcuse, *Journal of Experimental Psychology*, 47 (3): 187-90 (1954). The authors discuss a series of experimental tests involving lies concerning chosen playing cards. They describe the type of errors encountered and discuss them in the paper. (O. H.)

**The Identification of Persons by X-Ray Examination of Bone Trabeculation**—G. E. Williams, *Police College Magazine*, 1954. Taking advantage of the multiplicity of anatomical differences between individuals, Williams proposes a system of personal identification based upon radiograms of the chest and phalanges. This would be of considerable aid in identifying badly decomposed bodies if anti-mortem radiograms were available.

**The Alcohol Factor in Violent Deaths**—W. C. Wilentz, *American Practitioner and*

*Digest of Treatment*, 4: 21-4 (Jan., 1953). Thirty-eight percent of the violent deaths examined had alcohol as a contributory or

responsible factor. A great many originated out of traffic cases; however, many suicides and homicides could be related to alcohol.

### New Products

EDITOR'S NOTE: It is the purpose of this additional service to the readers of the Journal to call their attention to new products deemed helpful in police fields. Data presented will be abstracts of the manufacturer's literature or reports of demonstrations. Only those products considered most suitable to police science will be included. The mention of any product in this Journal, however, is not to be construed as an endorsement by the Journal.

**Electric Arrow Optical Pointer**—The problem of illustrating public lectures at the Adler

Planetarium prompted C. P. Richter to develop the Electric Arrow Optical Pointer which projects a white or red arrow on any surface from distances of 5-75 feet. The pointer, therefore, does not interfere with the view of the audience. It is constructed of light weight aluminum castings and operates on 110 volts A.C. or D.C. The Electric Arrow Optical Pointer is available from C. P. Richter, 2622 Farwell Ave., Chicago 45, Illinois.

## FOREIGN LANGUAGE PERIODICALS AND ARTICLES OF INTEREST IN THE FIELD OF POLICE SCIENCE\*

Compiled by Kurt Schwerin†

ARQUIVOS DA POLICIA CIVIL DE SÃO PAULO.  
Vols. 21-22, 1951 (Received in 1953)

Jose del Picchia filho, *Noções de documentoscopia* (Notions on the scientific examination of documents) (v. 21, p. 115-179; v. 22, p. 247-417).

DEUTSCHE POLIZEI. Hamburg. 1953-54. Nos. 11-12, Nov.-Dec., 1953; no. 1, January, 1954.

E. Steinwender, *Fünfzig Jahre daktyloskopie in Deutschland* (50 years of dactyloscopy in Germany) (pt. 5 and conclusion, nos. 11, p. 199-206, 12, p. 223-229).—Kurt Seesemann, *Die medizinisch-graphologische Diagnostik in der gerichtlichen schriftexpertise* (The medical and graphological diagnosis in the legal expertise of handwriting) (no. 1, p. 9-11).

INTERNATIONAL CRIMINAL POLICE REVIEW.  
Paris. (English Edition) Nos. 69-76, June/July, 1953-March, 1954.

\* All periodicals listed are available in the Elbert H. Gary Library, Northwestern University School of Law, 357 East Chicago Ave., Chicago.

† Assistant Librarian, Elbert H. Gary Library, Northwestern University, School of Law.

R. Lechat, *Infra-red photoscopy* (no. 69, p. 170-179).—F. Santamaria, *Chiroscopy* (p. 184-191).—No. 70, August-September, 1953, includes the reports of the 22d General Assembly of the International Criminal Commission, Oslo, June, 1953: M. Sicot, *Progress report* (p. 205-211); *The police and social problems* (214-218); *The training of personnel* (219-221); *The situation in currency counterfeiting* (221-223); *Recidivism and juvenile delinquency* (223-225); *Characteristic points in fingerprinting* (Discussion on a new method for the evaluation of ridge patterns, originated by F. Santamaria) (230-232).—W. F. Hesselink, *Gas explosions* (no. 71, p. 278-279).—F. Salomon, *The Rorschach test in criminology* (no. 72, p. 290-294).—J. Népote, *The Bundes-Kriminalamt in Wiesbaden* (p. 295-297).—P. Sundberg, *Spontaneous ignition of spraying paint residues* (p. 304-306).—M. Sicot, *The Sixth International Congress of Criminal Law in Rome* (no. 73, p. 322-325).—G. Isnard, *Counterfeits and forgeries in philately* (p. 327-335).—P. Shivabasappa, *The detection of lies* (no. 75, p. 38-43).—Jean Gayet, *Complete forgeries*.

*The determination of the date of a typed document* (p. 49-58).—M. Sicot, *Counterfeiters suffer two defeats* (First part, no. 76, p. 66-77).—Ilse Boon, *Narcoanalysis: Principles, practice and jurisprudence* (First part, p. 78-83).

KRIMINALISTIK. Hamburg. Eighth year, nos.

3-4, March-April, 1954 (Section "Kriminalwissenschaft", nos. 1-2).

M. Frei, *Indizienbeweise durch textilsfaser-spuren* (Textile fibers as evidence) (no. 1, p. 5-8).

—W. Specht & W. Katte, *Fangstoff-nachweise* (Chemical proof of traces) (p. 8-10).—A.

Schöntag, *Mathematik in der kriminalistik* (Mathematics in criminology) (p. 10-12).—

Josef Haas, *Die systembestimmung von schreib-maschinen anhand der schriften* (The determination of typewriter systems on the basis of the script) (no. 2, p. 13-20).—Max Frei, *Neue aspekte der tatort-fingerabdrücke* (New aspects of fingerprints) (p. 20-23)

REVUE INTERNATIONALE DE CRIMINOLOGIE ET DE POLICE TECHNIQUE. Geneva. Vols.

7-8. no. 4, Oct./Dec., 1953, no. 1, Jan./March, 1954.

G. Heuyer, *Vie instinctivo-affective et crimino-génèse* (Instinctive-affective life and criminogenesis) (no. 4, p. 243-256).—H. Fischer,

*La lutte contre les stupéfiants* (The fight against narcotics) (p. 259-276).—P. Hegg, *Le relevé*

*de l'état des lieux par les appareils stéréophoto-grammétriques de Wild* (The statement of the

inventory of premises by Wild stereophoto-grammetric instruments) (p. 292-297).—C. A.

Hirsch, *La criminalité nord-africaine* (Criminality in North Africa) (p. 298-302).—Olof

Kinberg, *Réflexions critiques sur la prévention* (Critical reflections on prevention) (no. 1,

p. 8-20).—Jean Gayet, *Le dessin de l'écriture dactylographiée* (The design of typefaces of

typewriters) (p. 37-46).—Pierre Hegg, *L'appareil "Délecto"* ("Délecto", a new instrument

for macroscopic examinations, developed by a Geneva optical firm) (p. 47-48).

REVUE PÉNITENTIAIRE ET DE DROIT PÉNAL.

Paris. 77th year, nos. 4/6, April/June, 1953.

Henri Joubrel, *Quelques aspects de la protection de l'enfance délinquante ou en danger, aux*

*Etats-Unis* (Some aspects of the protection of juvenile delinquents in the U.S.A.) (p. 229-248)