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ABOUT THE PECULIARITIES OF INTERACTION BETWEEN A SPECIALIST AND AN INVESTIGATOR IN CRIMINAL PROCEEDINGS

The article focuses on the issues of interaction between a specialist and an investigator when conducting various investigative actions as well as peculiarities of relations and compliance with moral principles by these procedural parties. The author gives grounds for his view on the adherence to moral standards and principles by legal proceedings participants in terms of the investigator's non-interference with the process of using scientific and technological means by a specialist who is a carrier of special knowledge as opposed to an investigator. The author emphasizes that another ethical category of the given parties' interaction is an inner conviction that implies conscious and responsible performance of certain procedural actions, in particular incident scene examination when an investigator needs to be sure that the collected objects (traces, things, and documents) are directly related to a crime event.

One of the most important aspects of legal proceedings participants' relations is connected with a specialist's tactfulness in the court. According to procedural legislation he has a right to ask questions at the hearing in order to establish circumstances related to the subject of examination, for example, while interviewing a witness.

The article draws attention to the necessity of adherence to moral standards in such an activity of a specialist as consulting and reviewing of examinations conducted earlier by another competent person. According to a general rule a specialist is not supposed to be interested in the outcome of a case. He must be impartial. Otherwise, his review may cause different legal consequences. The author comes to the conclusion that the effectiveness of other procedural parties' work depends on the constructive interaction between a specialist and an investigator.

Key words: special knowledge, specialist, investigator, investigative actions, moral principles.

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ISSUES OF IMPLEMENTATION OF THE RIGHT OF AN EXPERT AND SPECIALIST TO REIMBURSEMENT OF EXPENSES AND RECEIVING REMUNERATION

The procedural and legal status of an expert and a specialist includes a set of duties and rights established for the proper performance of these participants in the process of their functions. Among the rights of an expert and a specialist, a special place is occupied by a right consisting of a combination of two powers. One of these rights is the right to reimbursement of expenses related to attendance at the request of the authorities and persons conducting the process, and the other is the right to receive remuneration for the work performed. The last of these right for an expert is expressed in the form of expert research, for a specialist . in giving advice on issues that require the use of special knowledge, and also the participation of a specialist in procedural actions. The implementation of this right is not always guaranteed in practice. There are situations when wages are at risk, which leads to violation of the constitutional rights of citizens.

Analysis of regulations governing the implementation of this law in the legislation of member countries of the Eurasian economic Union, situations of the Russian judicial practice and the provisions formulated by the Constitutional Court of the Russian Federation, has allowed to draw a conclusion about the need for a uniform fixing of these rights in procedural codes and the law on judicial-expert activity.



Key words: expert, specialist, forensic examination, legal proceedings, expert's rights, specialist's rights, reimbursement of expenses, remuneration.

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**CRIMINAL SPEECH ACTS THAT INFRINGE
ON WORLDVIEW SECURITY VIA INTERNET ENVIRONMENT
IN THE ASPECT OF FORENSIC LINGUISTIC EXPERTISE**

The aggravation of ideological confrontation in the global information space and the emergence of new forms of crime using technologies to manipulate public consciousness have created new threats to the ideological security of Internet users in the form of spreading and propagating the ideology of fascism, extremism, terrorism and separatism, causing damage to civil peace, political and social stability in society.

The existing scientific and methodological approaches to countering existing threats to worldview security in the Internet environment using special knowledge show inconsistency and a clear lack of research methods for information objects, which results in the vulnerability of users of the Internet environment from malicious and criminal information that provokes criminal and destructive behavior. The presence of an appropriate methodology based on special linguistic and legal knowledge will allow the law enforcement officer to react quickly, preventing actions for its dissemination and public use.

The article presents the results of a study of speech actions that encroach on worldview security in the Internet environment, which can form different compositions of both administrative offenses and crimes. Common to them is their content-semantic focus on changing the views and ideals of recipients through speech manipulation. The author concludes that information messages in the Internet environment, purposefully distributed to influence the worldview of users, have a multi-modal (verbal-paraverbal) character, and are represented in the form of non-linear organized polycode texts, where the written verbal component is accompanied by a non-verbal one in the form of hyperlinks, comments, audio and video sequences (static or dy-



namic images and sound), which participate in the transmission of meaning and reflect the perlocative effect of the message. Features of polycode texts with a non-linear character in Internet communication require their submission for forensic linguistic examination in the form of electronic copies on digital media, so that the expert can examine the object of multimodal perception in an authentic form.

Key words: worldview security, forensic linguistic expertise, polycode text, Internet environment, multi-modal perception.

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[16, . 60]. -

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2. , 2000.
704 .
3. - , 2001. 832 .
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5. (.) //
2016. . 10. 1. С. 60. 72.
6. , -
- : , 2012. 158 .
7. , -
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. 2012. 18. . 101. 104.
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: /
- : , 2019. 240 .
13. : 3- : , 2010. 176 .
14. : ; . 2- : , 2004. 495 .
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16. : . / . . [.]; . . . -
: , 2015. 310 .
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175 (16 83 ,
) .
(r = 0,86; p < 0,01),



($r = 0,69$; $p < 0,01$),
 ($r = 0,78$; $p < 0,05$),
 ($r = 0,63$; $p < 0,05$) and ($r = 0,68$; $p < 0,05$).

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**BILATERAL SYMMETRY OF THE PLANTOGLYPHYCH CHARACTERISTICS
 AS A CRITERION OF THE AFFILIATION SOLES (BARE FOOTPRINT)
 FOR ONE PERSON**

The article discusses the morphological features and options for assessing the degree of bilateral symmetry of the papillary relief of the soles in solving practical problems of criminology and forensic medicine on the basis of dermatoglyphic research method.

The data on the degree of bilateral symmetry of papillary patterns of soles in pairs of comparison of "their" and "strangers", obtained on the basis of the study of plantar prints 175 people (relatively healthy men and women, aged 16 to 83 years, belonging to the European race). The most interconnected patterned soles are the signs of the vestiges of the papillary ridges ($r = 0,86$; $p < 0,01$), linear distances between reference points ($r = 0,69$; $p < 0,01$) and the density of papillary ridges ($r = 0,78$; $p < 0,05$), least . types of papillary patterns ($r = 0,63$; $p < 0,05$) and raised bed score ($r = 0,68$; $p < 0,05$).

The most informative is the area of elevation of the thumb, the least . heel area. A diagnostic algorithm aimed at determining the belonging of soles (bare footprints) to one or different individuals is presented.

Key words: fingerprinting, dermatoglyphics, papillary pattern, plantoglyphics, sole, footprints, foot, whole, part.

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[1. 3]. , , , , , -
[1; 4]. -
[1; 5], -
() -
[4; 6. 8]. [4; 7] [8; 9] -
, [2; 3; 10. 12]. -
() -
() -
() 175 -
(. .) 16 83 -
), , -
[13]. -
H. Cummins, Ch. Midlo [14] -
[15]. :) I -
1- (), II, III, -
IV. V () VI -
2, 3, 4 5- , -
4- 5- , IV. V () -
, ;) (-
) VII , -
(, , , -
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2- («2»);) -
;) « . 2», « . 5» («5» . -
, , « . » (« ») .



), « . » (-
) [14; 15].
 , (« »). -
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 (« »
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 « » « ».
 t-
 (p < 0,05) -
 (« » -
 « »). -
 . ().
 (Lt), (W); (Ld)
 (V/A, Lw) . [6; 14],
 , -
 (« »), [4; 12], 0,55
 . 0,04 ((0,51) [8].
) -
 p < 0,05.
 « » (. 1),
 (A. A, Ld. Ld, Lt. Lt, Lw. Lw, W. W),
 « » , (Ld. Lt,
 Lw. Ld).
 II -
 (0), (V)
 (Lp), (Ld, Lw
 W).
 0,64 (. 0,10 [8]), « » . 0,03.
 , « » -
 (. 2).



(11 30) 1

()	, P		, m		t	DK
	« »	« »	« »	« »		
A. A	2,4	0,6	1,2	0,6	1,36	.
A. Ld	0,6	3,0	0,6	1,3	1,65	.
Ld. Ld	43,8	28,4	3,8	3,5	2,98	1,5
Ld. Lt	1,8	7,7	1,0	2,0	2,59	-4,3
Ld. Lw	2,4	5,9	1,2	1,8	1,64	.
Lt. A	0,0	1,8	0,0	1,0	1,75	.
Lt. Lt	8,3	1,8	2,1	1,0	2,77	4,7
Lw. Ld	0,0	2,4	0,0	1,2	2,02	2,4
Lw. Lw	3,6	0,0	1,4	0,0	2,49	3,6
W. Ld	1,8	10,7	1,0	2,4	3,44	6,0
W. W	14,8	6,5	2,7	1,9	2,49	2,3

: DK , |t| 1,96
 (p m0,05); « -
 », « »;

2

II (9 28)

()	, P		, m		t	DK
	« »	« »	« »	« »		
0. 0	37,3	18,9	3,7	3,0	3,83	2,0
0. Lp	4,7	15,4	1,6	2,8	3,31	3,3
0. Lw	0,0	3,0	0,0	1,3	2,27	5,0
V. 0	3,6	8,3	1,4	2,1	1,85	.
V. V	8,9	3,6	2,2	1,4	2,04	2,5
Lp. 0	2,4	13,6	1,2	2,6	3,90	5,8
Lp. Ld	0,0	3,0	0,0	1,3	2,27	5,0
Lp. Lp	19,5	5,3	3,0	1,7	4,05	3,7
Lp. Lw	1,8	0,0	1,0	0,0	1,75	.

III -
 (Ld), « » -
 (V/A) (0), (W),
 (Lp Lw).
 0,76 (0,12 [8]),



« » . 0,04.
 . 3. () -
 () -
) () -
).

3

III (11 35)

()	, P		, m		t	DK
	« »	« »	« »	« »		
0-0	8,9	1,8	2,2	1,0	2,94	5,0
0. Ld	2,4	6,5	1,2	1,9	1,86	.
V. V	13,0	3,6	2,6	1,4	3,20	3,7
V. Ld	1,2	8,3	0,8	2,1	3,12	7,0
Ld. 0	1,8	9,5	1,0	2,3	3,11	5,3
Ld. V	7,7	13,6	2,0	2,6	1,77	.
Ld. Ld	41,4	22,5	3,8	3,2	3,81	1,8
Lw. Ld	0,0	4,1	0,0	1,5	2,70	7,0
Lw. Lw	3,0	0,0	1,3	0,0	2,27	5,0
W. Ld	0,6	3,0	0,6	1,3	1,65	.
W. W	4,1	0,6	1,5	0,6	2,16	7,0

IV. V
 (0), « » (V) -
 (Lp),
 (Ld, Lw W). -
 0,57 (. 0,12 [8]), « » . 0,04.
 . 4.
 VI () -
) (0),
 (Lt)
 (V).
 0,62 (. 0,51 [8]),
 « » . 0,03. . 5.
 VII () -
) -
 99 % ().



4

IVЭВ

(6 16)

()	, P		, m		t	DK
	« »	« »	« »	« »		
0-0	50,9	37,9	3,8	3,7	2,43	1,3
0. V	4,7	11,8	1,6	2,5	2,39	2,5
0. Lp	1,2	6,5	0,8	1,9	2,57	5,5
Lp. 0	4,1	12,4	1,5	2,5	2,79	3,0
Lp. V	4,7	1,8	1,6	1,0	1,54	.
Lp. Lp	5,9	0,0	1,8	0,0	3,26	10,0

5

VI

(4 11)

()	, P		, m		t	DK
	« »	« »	« »	« »		
0. 0	75,1	66,9	3,3	3,6	1,69	.
0. Lt	1,8	8,9	1,0	2,2	2,94	5,0
V. V	1,8	0,0	1,0	0,0	1,75	.
Lt. Lt	8,3	3,0	2,1	1,3	2,14	2,8

(,). -
 , (,) ,
) ,
 « » . 0,86 (. 0,88), « » .
 0,04. « »
 (47,9 ± 3,8 %). 2,5
 (19,5 ± 3,0 %). (t = 5,79; DK = 2,5).
 « »
 : « » (0,6 ± 0,6 %; 17,8 ± 2,9 %; t = . 5,72; DK = . 30,0)
 « » (0,6 ± 0,6 %; 10,1 ± 2,3 %; t = . 4,35; DK = . 17,0).
 ().
 «2» 0 74 (-
 . 38, . 13,3). -
 . 0,82 (. 0,77 [8]), -
 « » . 0,04. -
 (. 6). -



№ 49 59
« », « »

6

()	, P		, m		t	DK
	« »	« »	« »	« »		
49 9	1,2	13,0	0,8	2,6	4,35	11,0
8	0,6	3,6	0,6	1,4	1,92	.
0	14,2	3,0	2,7	1,3	3,77	4,8
1	5,9	1,8	1,8	1,0	1,99	3,3
2	5,3	0,0	1,7	0,0	3,08	9,0
3	5,9	1,2	1,8	0,8	2,37	5,0
4	4,7	0,6	1,6	0,6	2,38	8,0
8	3,6	0,6	1,4	0,6	1,92	.
18	0,0	4,1	0,0	1,5	2,70	7,0
19	0,0	2,4	0,0	1,2	2,02	4,0
20 59	1,2	10,1	0,8	2,3	3,61	8,5

() .)
(1) 11 29
(. 18, . 2,4). -
. 0,69 [8]), « » . 0,05. . 0,78 (-
(. 7). , -
« ». 60 % . 25 .
10, . . -
11 22 (. 16,
. 1,7).
. 0,81, (0,78). . 8,
30 % -
3.4).



7

()	, P		, m		t	DK
	« »	« »	« »	« »		
.25 .10	0,6	59,8	0,6	3,8	.15,50	.101,0
.9	1,2	16,0	0,8	2,8	.5,03	.13,5
.7	0,0	3,0	0,0	1,3	.2,27	.5,0
.6	0,6	3,6	0,6	1,4	.1,92	.
.2	13,0	6,5	2,6	1,9	2,03	2,0
.1	23,1	10,1	3,2	2,3	3,27	2,3
0	24,3	14,8	3,3	2,7	2,21	1,6
3	1,2	6,5	0,8	1,9	.2,57	.5,5
4 9	0,0	6,5	0,0	1,9	.3,43	.11,0

8

()	, P		, m		t	DK
	« »	« »	« »	« »		
-7 -4	0,6	11,8	0,6	2,5	.4,40	.20,0
-3	1,2	5,9	0,8	1,8	.2,37	.5,0
0	33,7	13,6	3,6	2,6	4,48	2,5
1	16,6	8,3	2,9	2,1	2,33	2,0
2	3,0	7,1	1,3	2,0	.1,75	.
3 6	0,6	18,3	0,6	3,0	.5,85	.31,0

« .2» -
6,5 38 (. 21,5 , -
. 5,5).
. 0,69 (. 0,69),
« » . 0,04. « .2»
. 9.
« .5» 48,5 91 (.
67 , . 6,5).
« .5» . 0,91 (-
. 0,89), « » . 0,04. 40 % -
(. 10). « .2»



« .5»,

9

« Ё2»

(.)	, P		, m		t	DK
	« »	« »	« »	« »		
. 23 . 12	0,6	5,3	0,6	1,7	. 2,59	. 9,0
. 11	0,0	3,0	0,0	1,3	. 2,27	. 5,0
. 7	0,0	1,8	0,0	1,0	. 1,75	-
. 6,5	0,0	1,8	0,0	1,0	. 1,75	.
. 5,5	0,0	1,8	0,0	1,0	. 1,75	.
. 1	8,9	3,6	2,2	1,4	2,04	2,5
0	13,6	3,6	2,6	1,4	3,36	3,8
1	8,3	1,2	2,1	0,8	3,12	7,0
6	1,8	6,5	1,0	1,9	. 2,20	-3,7
12	0,0	1,8	0,0	1,0	. 1,75	.
14 21	0,0	2,4	0,0	1,2	. 2,02	. 4,0

10

« Ё5»

(.)	, P		, m		t	DK
	« »	« »	« »	« »		
. 25 . 10	0,6	17,2	0,6	2,9	. 5,60	. 29,0
. 9	0,6	4,1	0,6	1,5	. 2,16	. 7,0
. 7	0,0	3,0	0,0	1,3	. 2,27	. 5,0
. 6	0,6	3,6	0,6	1,4	. 1,92	.
. 2	11,2	3,6	2,4	1,4	2,73	3,2
. 1	12,4	2,4	2,5	1,2	3,60	5,3
0	18,9	4,1	3,0	1,5	4,38	4,6
1	10,1	4,1	2,3	1,5	2,13	2,4
2	10,1	2,4	2,3	1,2	2,97	4,3
7	1,2	4,1	0,8	1,5	. 1,70	.
8 25	0,0	24,3	0,0	3,3	. 7,36	. 41,0

« . ».

« . » 172 , « . » 18). 130 210 (. 0,97 (. 0,93), « . » . 0,02. 64 % -



(. 11).

11

« Ё »

(.)	, P		, m		t	DK
	« »	« »	« »	« »		
. 102 . 11	0,0	32,0	0,0	3,6	. 8,91	. 54,0
. 5	4,1	0,6	1,5	0,6	2,16	7,0
. 4	4,1	0,0	1,5	0,0	2,70	7,0
. 2	12,4	4,7	2,5	1,6	2,55	2,6
0	19,5	1,2	3,0	0,8	5,80	16,5
2	9,5	2,4	2,3	1,2	2,80	4,0
4	4,7	0,0	1,6	0,0	2,90	8,0
9	1,8	0,0	1,0	0,0	1,75	.
10 119	0,0	32,0	0,0	3,6	. 8,91	. 54,0

« . » . 36 67 (. 50 ,
. 5,5). « . »
. 0,85, « » . 0,04. -
« . » . 12:
(12 %) (

12

« Ё »

(.)	, P		, m		t	DK
	« »	« »	« »	« »		
. 25 . 12	0,6	6,5	0,6	1,9	. 2,98	. 11,0
. 11	0,6	3,6	0,6	1,4	. 1,92	.
. 8	0,6	4,7	0,6	1,6	. 2,38	. 8,0
. 7	0,6	3,0	0,6	1,3	. 1,75	.
. 2	10,7	2,4	2,4	1,2	3,13	4,5
. 1	17,8	3,0	2,9	1,3	4,60	6,0



0	24,3	4,7	3,3	1,6	5,31	5,1
1	11,8	4,1	2,5	1,5	2,63	2,9
7	0,0	4,1	0,0	1,5	2,70	7,0
8	0,6	4,1	0,6	1,5	2,16	7,0
10 21	0,0	12,4	0,0	2,5	4,90	21,0

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**APPLICATION OF INFORMATION TECHNOLOGIES
AND COMPUTATIONAL METHODS
IN FORENSIC FIRE-TECHNICAL EXPERTISE**

This investigation is dedicated to the questions of application of information technologies and calculation methods in forensic fire technical expertise. The main directions of the use of information technologies in forensic fire technical expertise are: the use of computer technology to obtain various kinds of reference information; special programs for training and testing, for mathematical calculations, for accounting and electronic circulation of documents; graphic programs; expert systems; programs and electronic resources for information exchange and communication; use of computer equipment for the calculation of various parameters (thermal, mechanical, hydroaerodynamic, electrotechnical calculations); computer processing of expert research results; calculations of the physical and chemical processes occurring in a fire; fire technical calculations; computer simulation of fires (integral, zone and field). The most promising direction of mathematical modeling is the use of field modeling. It is also planned to develop modern expert systems for the study of fires.

Concepts are analyzed: "use of calculation methods", "use of technologies".

Key words: informational technologies, calculation methods, forensic fire-technical expertise, software, mathematical modeling, expert systems.

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**CONCEPT AND CLASSIFICATION OF OBJECTS
OF TRANSPORT AND TECHNICAL JUDICIAL EXAMINATIONS**

At present, problems of theoretical, methodological and practical nature of the class of transport and technical forensic examinations have not been fully considered by scientists to date, as evidenced by the absence of scientific works dealing with conceptual issues (except for auto-technical examinations). Theoretical provisions concerning the subject of transport and technical forensic examinations have not yet been developed in the forensic and expert literature.

Despite the fact that the subject of forensic expertise is one of the main categories of the general theory of this science, there is no consensus among scientists on its definition. The analysis of the different points of view given by leading forensic scientists made it possible to present the subject of forensic expertise in scientific and practical terms. In this article, the definition of the subject matter of the forensic examination will be considered from the point of view of the practical component.

On the basis of the research carried out (study of literature, normative acts, judicial, investigative and expert practice), author 's definitions of the subject of transport technical forensic examinations are given from the point of view of the general ap-



proach, as well as in relation to their separate genera: aviation-technical, auto-technical, water-technical and railway-technical forensic examinations.

Key words: subject of judicial examination, the crimes committed on transport objects, the vehicle, transport and technical judicial examinations, judicial examination.

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**THE PROBLEM OF SUBCLASS CHARACTERISTICS
IN FORENSIC BALLISTIC: ORIGIN, DIAGNOSIS
AND INFLUENCE ON IDENTIFICATION**

In Russia, in the process of forensic identification, it is generally accepted to distinguish class and individual characteristics in the traces of the compared objects. The introduction of modern technologies into the process of manufacturing firearms has necessitated adjustments to the traditional bases of forensic ballistic identification. Some features of technological processes make it possible to determine the reproduction of some tool and equipment marks on the surfaces of consistently made parts, including trace-forming details of firearms. These characteristics are called «subclass», which determines the intermediate position of this group between class and individual characteristics. In case of misinterpretation of subclass characteristics, they can be mistaken for individual characteristics, which can lead to wrong conclusion about the identity.

Using the analysis of foreign publications, the article examines different features of various manufacturing processes of firearms parts and their impact on the formation of subclass features. The influence of subclass characteristics on the forensic firearms identification and the reliability of comparison results are discussed.

Key words: class characteristics, individual characteristics, subclass characteristics, firearm, mark, identification.

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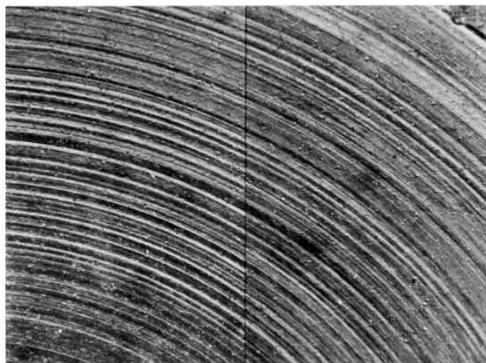
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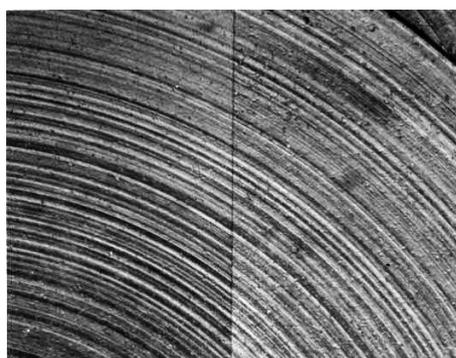
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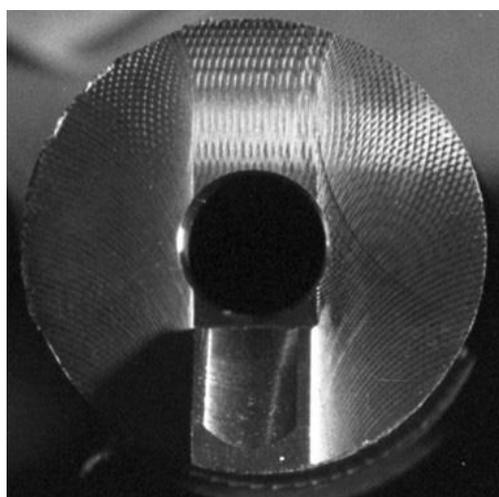
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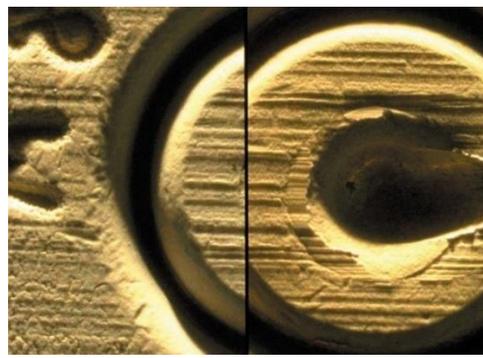
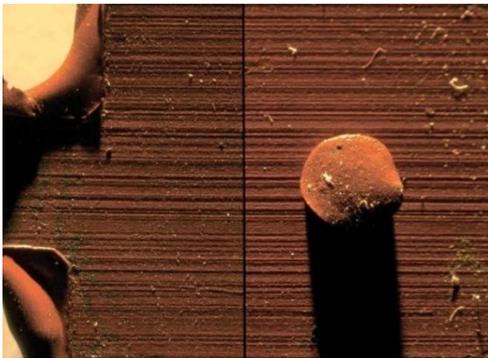
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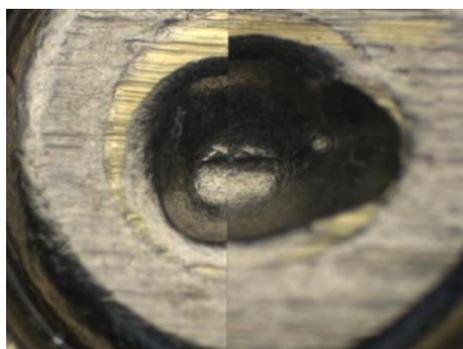
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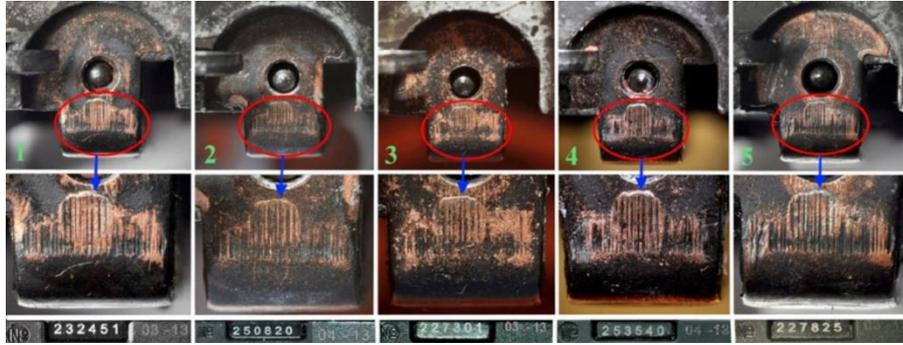
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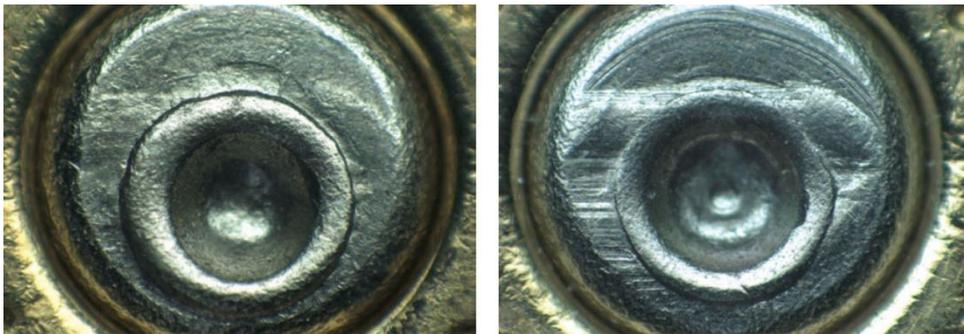
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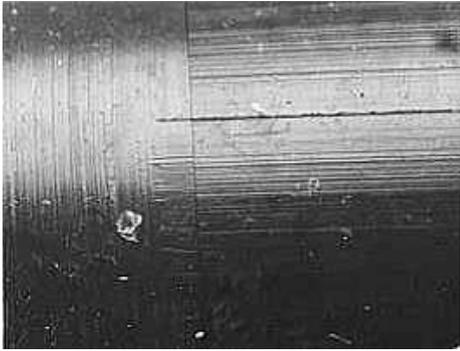
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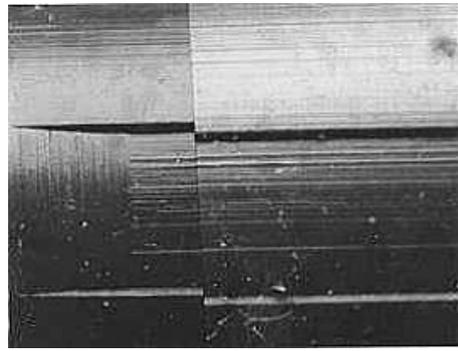
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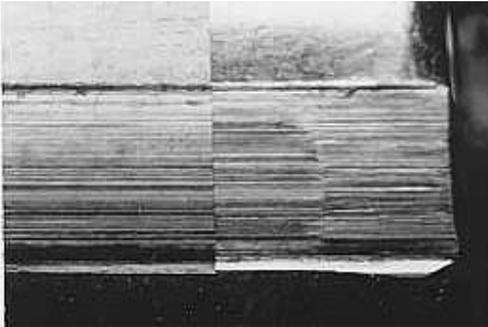


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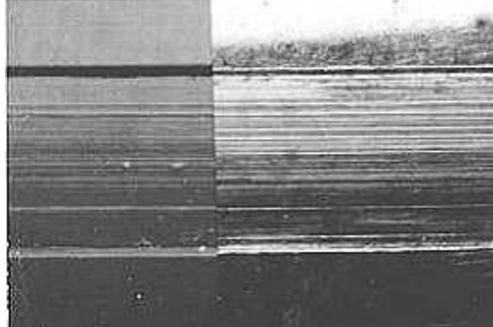
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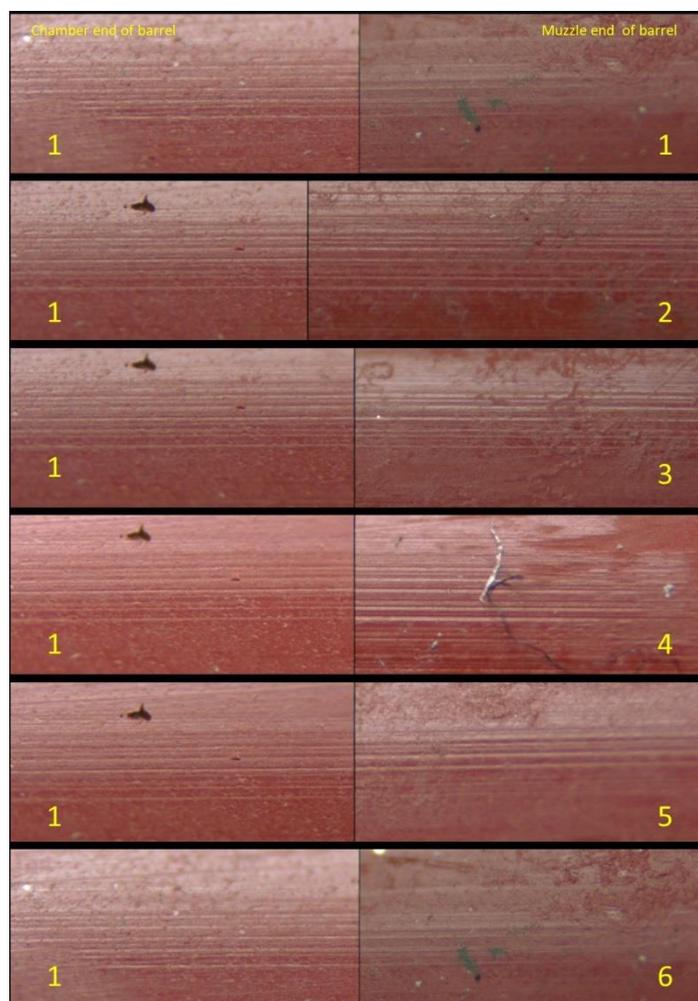
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activities of the ECC of the Ministry of Internal Affairs of Russia made it possible to show the main trends in the development of activities in the field of making subjective portraits of unidentified criminals. The article provides statistical data on the ratio of tasks for the production of subjective portraits against the background of the general crime rate in the Russian Federation. The publication material contains a list of problematic issues in the field of software for creating subjective portraits.

The article substantiates the dependence of the quality of the produced subjective portraits of wanted persons on the quality of training of specialists and their subsequent specialization in this area. The author makes a special emphasis on the issue of the importance of competent interaction between the units of the Ministry of Internal Affairs of Russia as subjects involved in the process of manufacturing and using subjective portraits of unidentified criminals, which implies a clear separation of competences and responsibilities.

Key words: subjective portrait, human appearance, forensic expert, specialist, unidentified criminal, operational investigative work, interrogator, competence, interaction of units.

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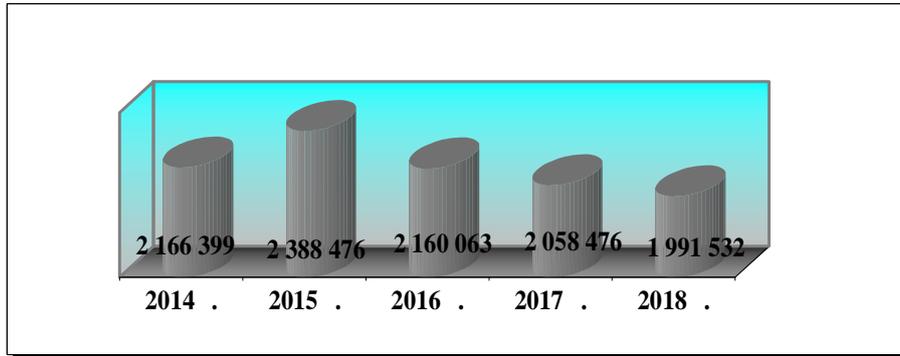
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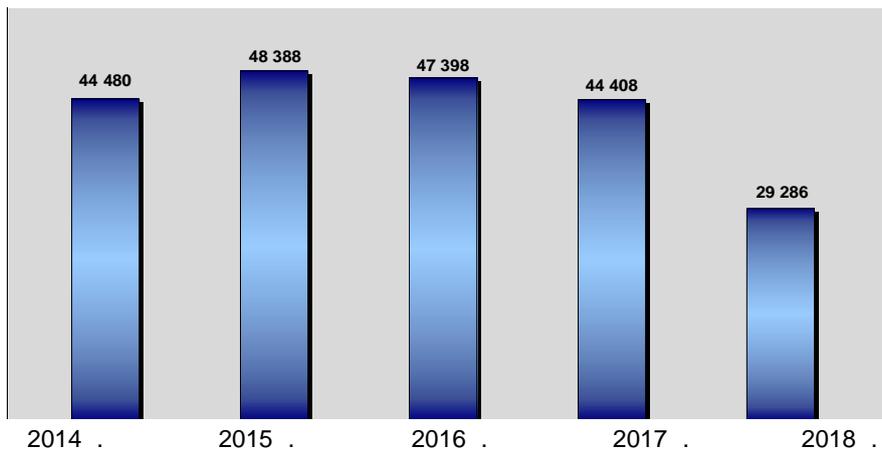
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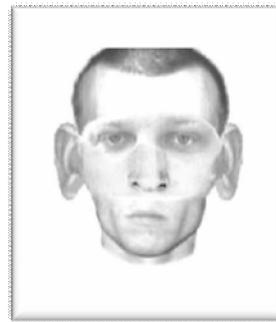
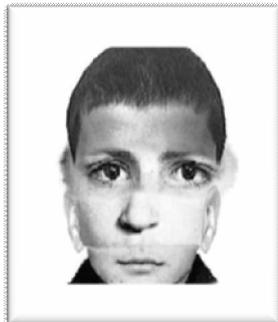
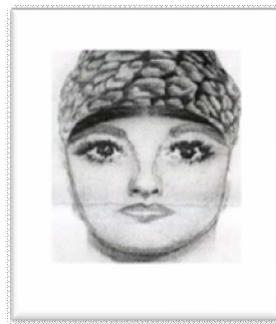
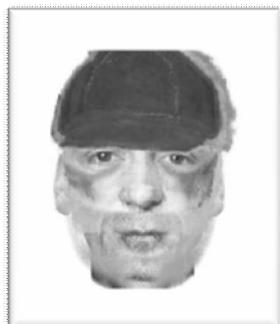
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**PROBLEMS OF MAKING FORENSIC EXAMINATIONS
ON CASES RELATED TO EXPLOSIONS
OF AUTOMATED TRANSACTION MACHINES**

The given article deals with main problems appearing while searching explosion scene of ATM to steal large amounts of money out of it as well as while conducting a preliminary survey of traces and physical evidence to be typical of such incidents. The authors examine both explosions using charges of disruptive explosives and ex-



plosive mixture of combustible gases with air, so-called fuel-air mixtures made by the criminals at the crime scene artificially.

The authors identify the main signs that make it possible for a forensic specialist to differentiate explosions: the explosion of the fuel-air mixture (volume explosion) on the basis of traces of destruction of the items, where the ATM was located; the condensed explosive. This is not a simple task, as in the first mentioned case the ATM is, in fact, a body frame of a self-made explosive device to have a fuel-air mixture as an explosive.

The authors also point out that operative making a preliminary investigation of explosion traces at the crime scene will identify not only the cause of the explosion, but also reveal a set of significant forensic information that will facilitate greatly to solve and investigate a crime.

Key words: explosion, explosive, self-made explosive device, searching explosion scene, solving and investigating crimes, a fuel-air mixture, volume explosion, means of initiation, explosion expertise, automated transaction machine (ATM).

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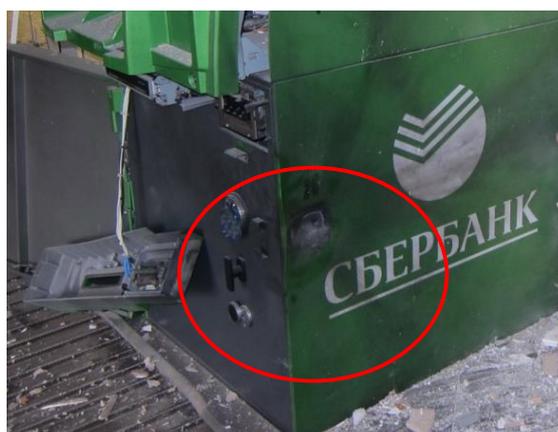
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**SAMPLES OF THE EXPERT'S REPORT
ON FORENSIC HANDWRITING EXAMINATION:
ITS TYPES, STRUCTURE, AND CONTENT**

The handwriting expert's report is a form of synthesis of examination that always reflects the very process of examination as well as conclusions the expert came to according to its results.

To objectively evaluate the conducted handwriting examination, those individuals carrying out preliminary inquiry and court proceedings need its content to be understandably stated and have a logical structure. To meet these requirements, approximate samples of the handwriting expert's report have been worked out and used in training handwriting experts and in expert practice. These samples are drawn up taking account of the current legislation requirements.

The authors have been conducting years-long research in the course of which the evolution of development of the handwriting expert's report structure and content in the system of forensic subdivisions of law enforcement agencies has been analyzed in detail. It is based on the knowledge acquired during long-term pedagogical practice, the analysis of expert practice of forensic subdivisions of law enforcement agen-



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**DIGITAL AND SPEECH TRACES
IN TERMS OF INFORMATION (IDEOLOGICAL) SECURITY
IN INTERNET ENVIRONMENT**

This article is devoted to the consideration of the categories of "digital trace" and "speech trace" in the conceptual apparatus of forensic speech science and forensic expertology. Establishing a correlation of these concepts has gained particular relevance due to the active use of the Internet for purposes of destructive propaganda. The dissemination of criminogenic information (in the Internet environment), which is subsequently the subject of forensic speech examinations, raises the logical issue of the need to engage specialists in the field of computer technology or mastering forensic speech experts with additional competencies in the field of computer technology. Basing on the methodological positions of the theory of trace formation, the concepts of "digital trace" and "speech trace" are analyzed, their relationship is established.

It is proposed to use the concepts of active and passive digital traces in the conceptual apparatus of forensic expertology, that makes it possible to distinguish between criminalistic situations in which it is necessary or unnecessarily to engage an expert in the field of computer technology in the forensic examination of the Internet communication. Thus, the results obtained are important not only for the development of the conceptual apparatus of forensic expertology and the theory of information and computer support for forensic activities, but also for the practice of ordering and conducting forensic examinations of information materials from the Internet environment.

Key words: speech trace, digital trace, information security, ideological security, information attack, forensic examination, speech examination, speech product, propaganda, extremism, terrorism, criminogenic information, destructive information, communication security.

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**PHYSICO-CHEMICAL RESEARCH
OF FLOUR CONFECTIONERY PRODUCTS CONTAINING
THE NARCOTIC DRUG TETRAHYDROCANNABINOL**

The article is devoted to the smuggling and expert study of the drug tetrahydrocannabinol contained in flour confectionery products (cupcakes and cookies) imported from foreign countries. The locality of such crimes committed on the territory of international airports is emphasized. The problem of importation of these products from abroad is relatively new, in connection with which there are currently no guidelines that would take into account the specifics of the study of the drug THC in cupcakes and cookies. Attention is focused on the difference between the criminal legislation of the Russian Federation and foreign countries, as a result of which there is an increase in such offenses.

The purpose of the article is to consider the features of this type of products and develop proposals for their physical and chemical research and sampling. For more qualitative selection of representative samples, the necessity of drying the studied objects to an air-dry state is justified. Due to the low content of narcotic

Key words: tetrahydrocannabinol, flour confectionery products containing THC, drug smuggling, extraction, sample preparation, narcotic active component.

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