THIS FILE IS MADE AVAILABLE THROUGH THE DECLASSIFICATION EFFORTS AND RESEARCH OF:

THE BLACK VAULT

THE BLACK VAULT IS THE LARGEST ONLINE FREEDOM OF INFORMATION ACT / GOVERNMENT RECORD CLEARING HOUSE IN THE WORLD. THE RESEARCH EFFORTS HERE ARE RESPONSIBLE FOR THE DECLASSIFICATION OF THOUSANDS OF DOCUMENTS THROUGHOUT THE U.S. GOVERNMENT, AND ALL CAN BE DOWNLOADED BY VISITING:

HTTP://WWW BLACKVAULT COM

YOU ARE ENCOURAGED TO FORWARD THIS DOCUMENT TO YOUR FRIENDS, BUT PLEASE KEEP THIS IDENTIFYING IMAGE AT THE TOP OF THE .PDF SO OTHERS CAN DOWNLOAD MORE!



governmentattic.org

"Rummaging in the government's attic"

Description of document: Defense Intelligence Agency report, <u>Biological Warfare</u>

Capabilities - European Communist Countries, March 1973

Requested date: 23-October-2008

Released date: 10-June-2013

Posted date: 13-August-2013

Source of document: Commander

US Army Intelligence & Security Command Freedom of

Information/Privacy Office ATTN: IAMG-C-FOI 4552 Pike Road

Fort George G. Meade, MD 20755-5995

Fax: (301) 677-2956 Email: FOIA/Privacy Office Online FOIA Request Form

Note: This report is one of 16 reports released under Mandatory

Declassification Review by the US Army Intelligence & Security Command. All of these reports may be accessed here: http://www/governmentattic.org/inscomBWCW.html

The governmentattic.org web site ("the site") is noncommercial and free to the public. The site and materials made available on the site, such as this file, are for reference only. The governmentattic.org web site and its principals have made every effort to make this information as complete and as accurate as possible, however, there may be mistakes and omissions, both typographical and in content. The governmentattic.org web site and its principals shall have neither liability nor responsibility to any person or entity with respect to any loss or damage caused, or alleged to have been caused, directly or indirectly, by the information provided on the governmentattic.org web site or in this file. The public records published on the site were obtained from government agencies using proper legal channels. Each document is identified as to the source. Any concerns about the contents of the site should be directed to the agency originating the document in question. GovernmentAttic.org is not responsible for the contents of documents published on the website.

REPLY TO ATTENTION OF:

DEPARTMENT OF THE ARMY

UNITED STATES ARMY INTELLIGENCE AND SECURITY COMMAND FREEDOM OF INFORMATION/PRIVACY OFFICE FORT GEORGE G. MEADE, MARYLAND 20755-5995

Freedom of Information/ Privacy Office 1 0 JUN 2013

This is in further response to your Freedom of Information Act (FOIA) request of October 23, 2008, and supplements our electronic message of May 12, 2010.

Coordination has been completed with another element of our command and other government agencies and records returned to this office for our review and direct response to you. We have reviewed the records and determined the records are partially releaseable to you. A copy of the records are enclosed for your use.

We have completed a mandatory declassification review in accordance with Executive Order (EO) 13526. As a result of our review information has been sanitized and 4 pages have been withheld in their entirety as the information is currently and properly classified TOP SECRET, SECRET and CONFIDENTIAL according to Sections 1.2(a)(1), 1.2(a)(2), 1.2(a)(3) and 1.4(c) of EO 13526. This information is exempt from the public disclosure provisions of the FOIA pursuant to Title 5 U.S. Code 552 (b)(1). It is not possible to reasonably segregate meaningful portions of the withheld pages for release. The records are enclosed for your use. A brief explanation of the applicable sections follows:

Section 1.2(a)(1) of EO 13526, provides that information shall be classified TOP SECRET if its unauthorized disclosure reasonably could be expected to cause exceptionally grave damage to the national security.

Section 1.2(a)(2) of EO 13526, provides that information shall be classified SECRET if its unauthorized disclosure reasonably could be expected to cause serious damage to the national security.

Section 1.2(a)(3) of EO 13526, provides that information shall be classified CONFIDENTIAL if its unauthorized disclosure reasonably could be expected to cause serious damage to the national security.

Section 1.4(c) of EO 13526, provides that information pertaining to intelligence activities, intelligence sources or methods, and cryptologic information shall be considered for classification protection.

In addition, information has been sanitized from the records and 4 pages have been withheld in their entirety as the release of the information would reveal sensitive intelligence methods. This information is exempt from public disclosure pursuant to Title 5 U.S. Code 552 (b)(7)(E) of the FOIA. The significant and legitimate governmental purpose to be served by withholding is that a viable and effective intelligence investigative capability is dependent upon protection of sensitive investigative methodologies. It is not possible to reasonably segregate meaningful portions of the withheld pages for release.

The withholding of the information described above is a partial denial of your request. This denial is made on behalf of Major General Stephen G. Fogarty, the Commanding General, U.S. Army Intelligence and Security Command, who is the Initial Denial Authority for Army intelligence investigative and security records under the FOIA. You have the right to appeal this decision to the Secretary of the Army. Your appeal must be postmarked no later than 60 calendar days from the date of this letter. After the 60-day period, the case may be considered closed; however, such closure does not preclude you from filing litigation in the courts. You should state the basis of your disagreement with the response and provide justification for a reconsideration of the denial. An appeal may not serve as a request for additional or new information. An appeal may only address information denied in this response. Your appeal is to be made to this office, for forwarding, as appropriate to the Secretary of the Army, Office of the General Counsel.

Coordination has been completed and we have been informed by the Central Intelligence Agency (CIA) that information is exempt from public disclosure pursuant to Title 5 U.S. Code 552 (b)(1) and (b)(3) of the FOIA.

The withholding of the information by the CIA constitutes a denial of your request and you have the right to appeal this decision to the Agency Release Panel within 45 days from the date of this letter. If you decide to file an appeal, it should be forwarded to this office and we will coordinate with the CIA on your behalf. Please cite CIA #F-2010-01292/Army #57F-09 assigned to your request so that it may be easily identified.

Coordination has been completed and we have been informed by the Defense Intelligence Agency (DIA) that their information is exempt from public disclosure pursuant to Title 5 U.S. Code § 552 (b)(1), (b)(2) (b)(3) and (b)(4) of the Freedom of Information Act and Executive Order (EO) 13,526 § 1.4 (c) (d) and (h). The statute invoked under Title 5 U.S. Code 552 (b)(3) is 10 U.S.C. §424, which allows for the protection of organizational and personnel information for DIA.

The withholding of the information by the DIA constitutes a partial denial of your request and you have the right to appeal this decision directly to the DIA. If you decide to file an appeal, it should be forwarded to the Director, Defense Intelligence Agency, ATTN: DAN-1A-FOIA, Washington, DC 20340-5100. Please cite MDR #0155-2010 assigned to your request so that it may be easily identified.

You have received all Army intelligence investigative records pertaining to this request.

There are no assessable FOIA fees.

If you have any questions regarding this action, feel free to contact this office at 1-866-548-5651, or email the INSCOM FOIA office at: INSCOM_FOIA_ServiceCenter@mi.army.mil and refer to case #57F-09.

Sincerely,

Brad S. Dorris

Director

Freedom of Information/Privacy Office Investigative Records Repository

Enclosure

TOP SECRET

Copy <u>Z02</u>of <u>128</u> SAO/ST-SS-03-37-73



BIOLOGICAL WARFARE CAPABILITIES --European communist countries (U)

(b)(3):10 U.S.C 424 DIA

73-951667

LIBRARY CORY

NO FOREIGN DISSEMINATION CONTROLLED DISSEMINATION NO DISSEMINATION ABROAD

(b)(3):10 U.S.C 424

TOP SECKET

TCS-692476/72 Handle Via TALENT-KEYHOLE ((b)(1) Control systems Tolmiy

CIRC

E-2 IMPDET

515

THE CLASSIFIED OR LIMITED STATUS OF THIS DOCUMENT OR DOCUMENTS APPLIES

TO EACH PAGE THEREOF UNLESS OTHERWISE MARKED. SEPARATE PAGE PRINTOUTS

MUST BE MARKED ACCORDINGLY.

		ECRIPI CHESS	, , , /	SAO/ST-SS-03-37-73 Original
в	OLOGICAL WARFARE	CAPABILITIESEUROP	EAN COMMUNIST COUN	TRIES (U)
		(b)(6)		
· · · · · · · · · · · · · · · · · · ·		SAO/ST-SS-03-3 (b)(3):50 U.S.C.424	7-73	
		DIA March 1973		٠.
	Inform	ntion cutoff date:	3 January 1973	
	This study sur April 1971.	persedes suppl 1. S	NO/ST-SS-03-37-71	dated
(d) (sat 15)				
(0)(3):10 C	.s.c. 424 DIA			
	· · · · · · · · · · · · · · · · · · ·	(b)(3):10 U.S.C. 424	DIA	·
	(b)(3):	10 U.S.C 2640		
-		DIA		•
		• .		
(b)(3):1	บ.ร.ต <u>424</u>			
				105-692476/72
3		Į.		

TOP SECRET CHESS REFF (b)(1)

SAO/ST-SS-03-37-73 Original

PREFACE

(U) The purpose of this study is to assess the many facets of biological warfare information available on Czechoslovakia, East Germany, Poland, Rungary, Romania, Bulgaria, and Yugoslavia. For each of these nations, information is treated concerning: order of battle for biological warfare; identifications and descriptions of biological warfare materiel; production installations and capabilities; stockpiles and storage facilities; doctrine and procedures which would govern the use of biological warfare; defensive measures to be taken in the event biological warfare was initiated; and applicable research, development, and testing programs. Albania will be included in scheduled updates of this study. The biological warfare capability of the USSR is reviewed in a separate study (ST-CS-03-34A-71).

(b)(1)

(U) Throughout this product, titles of illustrations and tables are followed by the appropriate security marking symbol indicating the classification of titles only. Unclassified titles are indicated by the symbol (U). For headings (such as section, subsection, appendix, paragraph, etc.), the security marking symbol is given only for titles that are classified. Unclassified headings are indicated by the absence of any symbol.

Constructive criticisms, comments, or suggested changes are solicited, and should be forwarded to the Defense Intelligence Agency, Washington, D. C. 20301, ATTN: DT-1A.

518

111

TOP SECRET CHESS RUFF

TCS-692476/72

Handle via

TALENT-KEYHOLE

control systems jointly

TOP SECRET CHISS RULE

\$A0/\$T-\$\$-03-37-73 Original

LIST OF EFFECTIVE PAGES

SUBJECT MATTER	PAGE NUMBERS	DATE
Title Page	None	March 1973
Preface	ili and iv	Original
List of Effective Pages	v and vi	Original
Record of Changes	vii and viii	Original
Table of Contents	ix thru xxiv	Original
List of Illustrations -	xxv and xxvi	Original
List of Tables	xxvi	Original
Summary	xyvii thru xxx	Original
Section I	1 thru 76	Original
Section II	77 thru 140	Original
Section III	141 thru 194	Original
Section IV	195 thru 218	Original
Section V	219 thru 240	Original
Section VI	241 thru 262	Griginal
Section VII	263 thru 282	Original
Appendix I	I-1 thru I-6	Original
Appendix II	II-1 thru II-4	Original
Bibliography	A-1 thru A-66	Original
DD Form 1473		Original
Distribution List	C-1 and C-2	Original

019

TOP SECRET CHESS RUE

TCS-692476/72
Handle via
TALENT-KEYHOLE

TOP SECRET CITESS RUFF (b)(1)

SAO/ST-SS-03-37-73 lscigin0

RECORD OF CHANGES

CHANGE NUMBER	DATE OF CHANGE	DATE ENTERED	SIGNATURE, RANK/RATE AND ORGANIZATION OF INDIVIDUAL ENTERING CHANGE
1			
	·		
	,		
		• .	
		•	

520

vii

TOP SECRET CHESS RUFF ((b)(1)

TCS-692476/72
Handle via
TALENT-KEYHOLE ((b)(1)
control systems jointly

TOP SECRET CIRSS RUFF (6)(1)

SAO/ST-SS-03-73-73 Original

(This page intentionally left blank)

TC3-692476/72
Handle via
TALENT-KEYHOLE ((b)(1)

·		
	TOP SECRET CHESS RUFF (b)(1)	
·		1-55-03-37-73
*		Original
4		4
	TABLE OF CONTENTS*	
4		
		Page
	New Conners	
	Preface	111
25.	Summary	xxvii
S PAR	,	XXVII
jaj	SECTION I. CZECHOSLOVAKIA	i e
7	A. INTRODUCTION	
-	1 Manager Markey and	
1	Historical Background Status of Czechoslovak Microbiology	1 2
	3. Geography	
	4. Political Factors	
	B. ORDER OF BATTLE FOR BW	•
•		
1	5. Biological Warfare Program	
	6. Organization for CBR Defense in Ground Forces	4
	7. Medical Units Concerned with CBR Defense 8. CBR in Civil Defense Units and Programs	
)	o. Obt in civil beteine units and ringrams	
	C. DOCTRINES AND PROCEDURES GOVERNING USE OF BW WEAPONS	
•		
. .		
	(b)(1)	
)		
ł		
	D. DOCTRINES AND PROCEDURES FOR DEFENSE AGAINST BW	
	14. Introduction	21
1	15. Preparation	
}	16. BW Intelligence and Agent Warning	23
_	17. Rules of Conduct on Ground Contaminated by	
2	Bacterial Agents	24
	18. Antiepidemic Measures Employed Following a BW	0.5
	Attack	25
1	*All titles are UNCLASSIFIED unless otherwise shown.	
		TCC 403434773
	$i_{ m X}$	TCS-692476/72
j	·	Handle via TALENT-KEYHOLE (b)(1)
A	TOP SECRET CHESS RUFF (b)(1)	control systems jointly
	TOF SECRET CHESS PUTE	Country March 10 milk

TOP SECRET CHESS RUFF (b)(1)

\$40/\$T-\$\$-03-73-73-Original

TABLE OF CONTENTS (Continued)

		Page
BW S	MATERIEL (OFFENSIVE)	
19.	BW Weapons	26
20.	BW Agents	27
BW N	MATERIEL (DEFENSIVE)	
21.	General	27
22.	Individual Protective Equipment	27
23.	Collective Protection Equipment	30
24.	Reconnaissance, Detection and Diagnosis	
	Equipment	31
25.	Decontamination Agents and Equipment	32
26.	Test Sets for Protective Equipment	-53
27.	Vaccines and Sera	33
PROD	OUCTION FACILITIES AND CAPABILITIES	
28.	Introduction	33
29.	Fluorescent Antisera	34
30.	Pharmaceuticals	34
31.	Protective Clothing and Equipment	34
32.	EW Agents	34
33.	Unidentified Installation Near Zamberk,	
	Czechoslovakia	35
STOC	KPILES AND STORAGE FACILITIES	
34.	Stockpiles	36
35.	Storage Facilities	37
BW R	ESEARCH AND DEVELOPMENT	·
	,	
	(b)(1)	
	523	

TOP SECRET CHESS RUFF (DOCT)

TCS-692476/

Handle va TALENT-KEYHOLE ((b)(1) control systems jointly

TOP SECRET CHESS RUFE/

SAO/ST-SS-03-37-73

Original

TABLE OF CONTENTS (Continued)

Page (b)(1)ANTICROP BIOLOGICAL WARFARE 47. Major Crops -----R&D Against Naturally Occurring Crop Pests and Anticrop Warfare Agents -----70 Assessment of Anticrop BW Capabilities -----72 SUMMATIONS κ. 50. Conclusions -----72 Intelligence Gaps -----73 TRENDS AND FORECASTS Trends -----74 53. Forecasts -----SECTION II. EAST GERMANY INTRODUCTION 1. Historical Background -----2. Competence in Microbiology and Public Health -----B. ORDER OF BATTLE FOR BW 3. Biological Warfare Program ------4. Organization of the Chemical Directorate in 78 East Germany ----524 TCS-692476/72 Handle via

TOP SECRET GHESS RUFF

TALENT-KEYHOLE (b)(1)

SAO/SI-SS-03-73-73 Original

Original -

TABLE OF CONTENTS (Continued)

			l'as
		Organization for CBR in the Ground Forces	. :
	5 · 6 ·	Civil Defense	
	•	· · · · · · · · · · · · · · · · · · ·	
c.	DOCT	RINES AND PROCEDURES GOVERNING USE OF BW WEAPONS	
	7.	Warsaw Pact Plans	
	8.	Soviet Front	
	9.	Employment of Biological Agents	
D.	DOCI	TRINE AND PROCEDURES FOR DEFENSE AGAINST BW	
	10.	General	-
	11.	The Angles Angles Pictorical Appets	-
	12.	n	
	13.	0.11	
	14.	Contaminated Areas Surveillance	-
	15.	markedanan for Complete Chemical and Digitkical	
	25.	Acont Decembration	-
	16.	Sanitation After Exposure to Biological Agents	-
	17.	m . i. i gamakantan Aftor Riological Agent	
		Contamination	-
	18.	Complete Sanitation	-
	19.	Complete Capitation in Nobile Shower Pacificles ""	-
	20.		
		Clothing	_
	21.	Techniques for Chemical and Biological Agent	
		Decontamination of Important Terrain Features	
Ε.	BM ∶	MATERIEL (OFFENSIVE)	
	0.7	General	-
	22. 23.		-
F.	BW	MATERIEL (DEFENSIVE)	
	24.	General	-
	25.	Talled due 1 Protective Faulpment	
	26.	D	
	27.	Individual Decorramination Kits	-
	28.	musicant for the Decogramination of Weapons,	
		Installations and Vehicles	-
		EQE WITH THE PARTY OF THE PARTY	

TOP SECRET CHESS RUFF (6)(1)

TCS-692476/72 Handle via
TALENT-KEYHOLE (b)(1)

\$1.75-60-22-72\OA2

TABLE OF CONTENTS (Continued)

	•		Page
	29.	Devices for the Decontamination of Terrain	102
	30.	Devices for the Decontamination of Clothing	103
	31. 32.	Reconnaissance and Detection Equipment	103 104
			104
•	PROD	UCTION FACILITIES AND CAPABILITIES	
	33.	Introduction	104
	34.	RL' Agents	105
	35.	Vaccines and Sere	105
	36.	Protective Clothing and Equipment	106
١.	STOC	KPILES AND STORAGE FACILITIES	
	37.	Stockpiles	106
	38.	StockpilesStorage Facilities	106
À	RESE	ARCH AND DEVELOPMENT	
J.	ANT I	CROP BIOLOGICAL WARFARE	
	45.	General	132
	46.	R&D Against Naturally Occurring Crop Pests and Anticrop Warfare Agents	132
	47.	Assessment of Defensive Anticrop BW Capabilities	133
	48.	Assessment of Offensive Anticrop BW Capabilities	133

xiii

Handle via

TALENT-KEYHOLE ((b)(1)

control systems jointly

TOP SECRET CHESS BUFF

TOP SECRET CHESS RUFF (6)(1)

540/51-55-03-73-73 Original

TABLE OF CONTENTS (Continued)

A9, CBR Activity			Page
50. Offensive BW 51. CBR Protection Systems	K.	EAST GERMAN NAVAL BW CAPABILITIES	
50. Offensive BW 51. CBR Protection Systems	,	49. CBR Activity	134
135 135 135 135 135 135 135 135 135 135 135 135 135 135 135 135 135 136		so off and the tiff and an analysis and an ana	134
1. SUMMATIONS 1. SUMMATIONS 1. SUMMATIONS 1. Conclusions		PI Phi Name and Long Court and a second and	1)4
53. Conclusions — 135 54. Intelligence Gaps — 136 M. TRENDS AND FORECASTS 55. Trends — 137 56. Forecasts — 138 ECTION III. POLAND A. INTRODUCTION 1. Historical Background — 141 2. Competence in Microbiology and Public Health — 142 3. Geographical and Political Factors — 143 B. ORDER OF BATTLE 4. Military Organizations and Personnel — 143 5. Military Equipment — 148 6. Navy BW Capabilities — 150 C. DOCTRINE AND PROCEDURES COVERNING USE OF BW WEAPONS 7. Doctrine — 151 8. Procedures — 152 D. DOCTRINE AND PROCEDURES FOR DEFENSE AGAINST BW 9. Doctrine — 153		52. Related Publications	135
M. TRENDS AND FORECASTS 55. Trends	L.	SUMMATIONS	
M. TRENDS AND FORECASTS 55. Trends		57 Canalusians	
55. Trends		54. Intelligence Gaps	136
56. Forecasts	м.	TRENDS AND FORECASTS	
56. Forecasts 138 ECTION III. POLAND A. INTRODUCTION 1. Historical Background		\$5 Trande	137
A. INTRODUCTION 1. Historical Background ————————————————————————————————————		56. Forecasts	138
1. Historical Background	ection i	II. POLAND	
2. Competence in Microbiology and Public Health	· A.	INTRODUCTION	
2. Competence in Microbiology and Public Health		1 Matorical Background	141
B. ORDER OF BATTLE 4. Military Organizations and Personnel		7. Computence in Microbiology and Public Health	142
4. Military Organizations and Personnel 143 5. Military Equipment 148 6. Navy BW Capabilities 150 C. DOCTRINE AND PROCEDURES GOVERNING USE OF BW WEAPONS 7. Doctrine 151 8. Procedures 152 D. DOCTRINE AND PROCEDURES FOR DEFENSE AGAINST BW 9. Doctrine 153		3. Geographical and Political Factors	143
5. Military Equipment	в.	ORDER OF BATTLE	
5. Military Equipment		4 Wilitary Organizations and Personnel	143
6. Navy BW Capabilities		5. Military Equipment	148
7. Doctrine		6. Navy BW Capubilities	150
D. DOCTRINE AND PROCEDURES FOR DEFENSE AGAINST BW 9. Doctrine	c.	DOCTRINE AND PROCEDURES COVERNING USE OF BW WEAPONS	•
D. DOCTRINE AND PROCEDURES FOR DEFENSE AGAINST BW 9. Doctrine		7. Doctrine	151
9. Doctrine 153		8. Procedures	152
126	D.	DOCTRINE AND PROCEDURES FOR DEFENSE AGAINST BW	
10. Procedures 153		9. Doctrine	153
			153

vix

TOP SECRET CHESS RUFF/(b)(1)

TCS-692476/72

Handle via
TALENT-KEYHOLE-(b)(1)



TABLE OF CONTENTS (Continued)

		Page
В	w materiel (offensive)	
	1. Agents 2. Munitions	154 154
В	W MATERIEL (DEFENSIVE)	
1 1	3. Decontamination	154 155
P	RODUCTION FACILITIES AND CAPABILITIES	
1	5. Agent Production6. Munitions	156 157
s	TOCKPILES AND STORAGE FACILITIES	
	7. Stockpiles8. Capabilities	157 157
E E	W RESEARCH, DEVELOPMENT, AND TESTING	
İ		
	(b)(1)	
	500	

TOP SECRET CHESS RUFF (16)(1)

105-692476/12 Handle via
TALENT-KEYHOLE-(b)(1)

T-SS-03-7. at	
	TABLE OF CONTENTS (Continued)
1/-	Page
	(b)(1)
-	
٦.	ANTICROP RESEARCH
	38. General
4	40. R&D Against Naturally Occurring Crop Pests and Crop Diseases
	(b)(1)
L	CD-Complies Anticron RV Canabilities 190
	45. Assessment of Defensive Anticrop BW Capabilities 190 46. Assessment of Offensive Anticrop BW Capabilities 190
к.	SUMMATIONS 190
•	47. Conclusions
L.	TRENDS AND FORECASTS
	49. Trends 191
	50. Forecasts
TION :	
Α,	1. Historical Background
	2. Competence in Microbiology and Public Health 3. Geographical and Political Factors
	529 TCS-692816//
-	Handle via (b)(1) TALENT-KEYHOW (b)

TOP SECRET CHES RULL (b)(1)

SAO/S1-SS-03-37-73

Original

TABLE OF CONTESTS (Continued)

		Page
н.	ORDER OF EATTLE FOR BW	
	4. Military Organizations and Personnel 5. Military Equipment	198 199
c.	DOCTRINE AND PROCEDURES GOVERNING USE OF BW WEAPONS	
	6. Doctrine7. Procedures	200 200
υ.	DOCTRINE AND INOCEDURES FOR DEFENSE AGAINST BW	•
	8. Dectrine 9. Precedures	201 201
F.	EW MATERITA (OFFENSIVE)	,
	10. Agents	202 202
F.	BU MATERIEL (DEFENSIVE)	
	12. Decontomination	202 202
D.,.		
	14. Production Facilities	204 204
n.	STOCKPILES ALE STORAGE FACILITIES	
	16. Stockpiles	205 205
ı.	BW RESEARCH, DEVELOPMENT, AND TESTING	•
4	18. Ceneral	205 205 (b)(1)
	(b)(1)	- All Children

TALENT KEYHOLE (b)(1)

TOP SECRET CHESS RUFF

TOP SECRET CITES RUFF

\$40/\$1-55-03-73-73 Original

TABLE OF CONTENTS (Continued)

	(b)(1)	
 .J.	ANTICROP RESEARCH	
.1 .		210
	25. General	211
	16 Valor Crope	
	27. R&D Against Naturally Occurring Crop Pests and Anticrop Warfare Agents	211
	an language of hofometup Antieron BW Capabilities """	213
٠.	29. Assessment of Offensive Anticrop BW Capabilities	213
к.	SUMPLATIONS	
***		213
	30. Conclusions	214
	31. Intelligence Gaps	
L.	TRENDS AND FORECASTS	
•	32. Trends	21
	32. Trends	21
ION '	V. ROMANIA	
۸.	INTRODUCTION	
	1. Historical Background	21
	a a war in Warahialage and Public nearth	22
	2. Competence in Nicrobiology and Public Means. 3. Geographical and Political Factors	22
	•	
В.	ORDER OF BATTLE	
	4. Organizations and Personnel	22
	4. Organizations and rersonner 5. Military Equipment	22

iiivx

105-692476/72 TALENT-KEYHOLE (b)(1

TOP SECRET CITESS RUFF (6)(1)

E.

1

TOP SECRET CHESS RUFE (6)(1)

SAO/ST-SS-03-37-73 Original

TABLE OF CONTENTS (Continued)

		Page
c.	DOCTRINE AND PROCEDURES COVERNING USE OF BW WEAPONS	•
	6. Doctrine7. Procedures	224
D.	DOCTRINE AND PROCEDURES FOR DEFENSE AGAINST BW	
	8. Doctrine	225 225
Ε.	BW MATERIEL (OFFENSIVE)	
	10. Ground Force Capabilities	225 226
F.	BW MATERIEL (DEFENSIVE)	
	12. Decentamination	226 227
G.	PRODUCTION AND STOCKPILES	•
	14. Production Facilities and Capabilities	227 228
н.	(b)(1)	1

TCS-692476/12 Handle via
TALENT-KEYHOLE (b)(1)
Control systems jointly

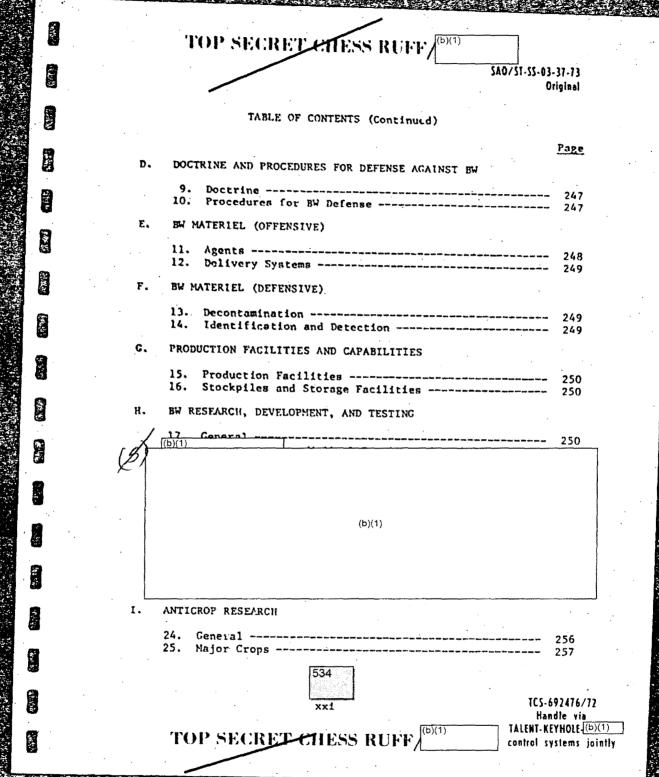
TOP SECRET CHES

SAO/ST-SS-03-73-73 Original.

TABLE OF CONTENTS (Continued)

	24.	General
	25.	Malor Crope
	26.	Rab Against Naturally Occurring Crop rests and
	27.	Assessment of Defensive Anticrop BW Capabilities
	28.	Assessment of Offensive Anticrop BW Capabilities
J.	SUMM	MTIONS
	29.	Conclusions
	30.	Intelligence Gaps
κ.		EDS AND FORECASTS
	31.	Trends
	32.	TrendsForecasts
'ION'	VI. I	BULGARIA
· A.		RODUCTION
		RODUCTION
	1. 2.	Historical Background
	INTE	RODUCTION
	1. 2. 3.	Historical Background
Α.	1. 2. 3.	Historical Background
Α.	1. 2. 3. ORD	Historical Background
Α.	1. 2. 3. ORD)	Historical Background ————————————————————————————————————
Α.	1. 2. 3. ORDI	Historical Background ————————————————————————————————————
А.	1. 2. 3. ORDI	Historical Background ————————————————————————————————————

Handle via
TALENY KEYHOLE ((b)(1)
control systems jointly



TOP SECRET CHESS RUFF SAO/ST-SS-03-73-73 Original TABLE OF CONTENTS (Continued) Page 26. R&D Against Naturally Occurring Crop Pests and Anticrop BW Agents 27. Assessment of Defensive Anticrop BW Capabilities ---28. Assessment of Offensive Anticrop BW Capabilities --- 258 SUMMATIONS 29. Conclusions ----- 258 30. Intelligence Gaps ----- 259 TRENDS AND FORECASTS SECTION VII. YUGOSLAVIA INTRODUCTION 1. Historical Background -----2. Competence in Microbiology and Public Health -----3. Geographical and Political Factors -----ORDER OF BATTLE 4. Organization of the Biological Defense Capability in Yugoslavia Training of the Biological Warfare Personnel ----- 266 DOCTRINE AND PROCEDURES GOVERNING USE OF BW WEAPONS Tactical Doctrine of BW in Yugoslav Ground Forces -----Procedures --BW MATERIEL (OFFENSIVE) 268 9. Delivery Systems -----TCS-692476/72 Handle via TALENT-KEYHOLE (b)(1) TOP SECRET CHESS RUFF control systems jointly

TOP SECRET CHESS RUFF (6)(1) SAC/ST-SS-03-37-73 Original TABLE OF CONTENTS (Continued) Page BW MATERIEL (DEFENSIVE) Equipment -----268 Supplies -----PRODUCTION FACILITIES AND CAPABILITIES 12. Types of BW Agents and Munitions Produced and Stockpiled ----Types of BW Defensive Equipment Produced and Stockpiled ----- 268 Production Sites ---------- 271 15. Other Stockpiles ----- 271 BW RESEARCH, DEVELOPMENT, AND TESTING G. (b)(1)н. SUMMATIONS tiixx TALENT-KEYHOLE-(b)(1) TOP SECRET CHESS RUFF ((b)(1)) control systems jointly

TOP SECRET CHESS RUFF, (6)(1)

Original

TABLE OF CONTENTS (Continued)

	Page
I. TRENDS AND FORECASTS	
31. Trends	
APPENDIX I. CBR TRAINING FOR CZECHOSLOVAK ARMORED UNITS	I-1
APPENDIX II. MOBILE CHEMICAL SCHOOL, (CBR), LIBEREC	11-1
Bibliography	۸-1
DD Form 1473	B-1
District of the Control of the Contr	c 1

TOP SECREP CHESS RUFF (6)(1)

	· · · · · · · · · · · · · · · · · · ·	
. •	TOP SECRET CHESS RUFF (6)(1)	/
· · · · · · · · · · · · · · · · · · ·	3407	/\$1-\$\$-03-37-73 Original
	LIST OF ILLUSTRATIONS*	,
Figu	<u>ce</u>	Page
(51)		
	4.44	
	(b)(1)	
<u> </u>	. New Czechoslovak protective mask	29
(2)	(b)(1)	
12	Institute of Microbiology building, Prague-Krc	49
14 , 15	Czechoslovak Academy of Sciences, Prague	49
	Microbiology	51 57
(Z) 16	. Organization chart, Institute of Virology, Bratislava	
	(b)(1)	
		and a little comment of the comment
	*All titles are UNCLASSIFIED unless otherwise shown.	
	xxv 538	TCS-692476/7 Handle via
	TOP SECRET CHESS RUFF (6)(1)	TOTAL - VELUATE

TOP SECRET CHESS RUFF (6)(1)	
	Page
Dr. Stephan Slopek, Director of the Institute of Immunology and Experimental Therapy, Wroclow	179
Breeding Station near Poznan	189
(b)(1)	
Estimated TO/E of Independent ABC Battalion	267 269 270 272
	Immunology and Experimental Therapy, Wroclow Dr. Tadeusz Wolski, Chief Breeder of the Choryn Plant Breeding Station near Poznan (b)(1) Estimated TO/E of Independent ABC Battalion Selected Medical Research Laboratories

539

xxv:

TOP SECRET CHESS RUFF/(b)(1)

TCS-692476/72

Handle via

TALENT-KEYHOLE-((b)(1)

control systems jointly

1

Service Services

意

1.1

TOP SECRET CHESS RUFF (6)(1)

SAO/ST-SS-03-37-73 Original

(b)(1)

NO FOREIGN DISSEM

xxvii

TOP SECRET CHESS RUFF

TCS-692476/72
Handle via
TALENT-KEYHOLE ((b)(1)

	TOP SE	CRET CHESS R	UFF (b)(1)	
SAO/ST-SS-03- Original	13-13			www.manninama.
The second secon	11.00000000000000000000000000000000000			
		(b)(1)		
Hanna Maria Cara		NO FOREIGN DISS	EN ·	
*.		541 xxviii		TCS-692476/72
		XXVIII		Handle via

				SAO/ST-	55-03-37-73	
•				•	Original	
		a.v.				
		(b)(1)				
	414 Ymy		······································			· .
			:			
	2-12-10-1		:			
			:			· ·
			;			
			;			
			;			
			:			
			:			
		542	:		TCS-6924	

TOP SECRET CHESS RUFF/ (D)(1)

SAO/ST-SS-03-73-73 Original

(This page intentionally left blank)

TOP SECRET CHESS RUFF

TCS-692476/72 Handle via TALENT-KEYHOLE-(b)(1) control systems jointly

	TOP S	SECRET CHESS RUFF			
			SAO/ST-SS-03-37-73 Original		
			·	. '	
		Section I.	• •		
		CZECHOSLOVAKIA		,	
-		A. INTRODUCTION		٠,	
1.	. (S) Historical Backg	ground			
		(b)(1)			
<u></u>		***************************************			
		- The first of the second of the first of the second of th			
		(b) (1)			

TOP SECRET CHESS RUFF

TCS-69/476/72
Haltat-KEYHOLE-(D)(1)
control systems jointly

TOP SECRET CHESS RCFF (b)(1) SAO/51-55-03-73-73 Original (b)(1) 3. (U) Geography

Czechoslovakia is located on the Central European plateau, and its borders are generally situated on mountainous terrain. It is a long narrow country measuring approximately 500 by 175 miles. It is bordered on the north by Poland, on the east by the Soviet Union, on the south by Hungary and Austria, and on the west by West and East Germany. Most of the industrial and population centers, such as Prague, Plzen, and Ceske Budejovice, are located in the western part of the country. Bratislava, in the south central portion of the country, is about 35 miles from Vienna. The eastern part of the country would seem to be the most likely site for testing and producing agents for BW since this area is the most sparsely populated portion of the country, farthest from West Germany where the greatest threat to its security lies, and lies closest to the Soviet Union.

TOP SECRET CHESS RUFF, (b)(1)

T-KEYHOLE (b)(1)

copital systems jointly

TOP SECRET (SAO/ST-SS	-03-37-73 Original
4. Political Factors				
(b)(1) Per CIA,(b)(3):50 U.S.C. 403				
	(b)(1)			
B. ORDER	OF BATTLE F	OR BW		
5: Biological Warfare Program				,
	* 1644 * · · ·	- 1834-1		
	(b)(1)			
				· · · · · · · · · · · · · · · · · · ·
b. Organization and Strength				· .
	(b)(1)			
	3			TCS-692476/72 Handle via
TO <u>P SECRET (</u>		_	TA	ENT-KEYHOLE (b)(1

		ET CHESS RUFF		
SAO/ST-SS-03-73-73 Original		•		
		(b)(1)		
c. Training				,
		0.144		
		(b)(1)		
		(b)(1)		
		, , , ,		
6 18 Organiza	rion for CBR D	efense in Ground Forces		
, , , , , , , , , , , , , , , , , , ,				
		(b)(1)		
	·	The state of the s		
•	• * •	547		
		4	TCS-	692476/72
	•		Ha TALENT-K	ndle vi

	TOP SECRET CHESS RUFF (6)(1)	SAO/ST-SS-03-37-73 Original	
	b. (3) Army and Military District Level		•
	(b)(1)		
	(5)(1)		
İ			
	(4) (2) Organization and strength	(1-)(4)	
		(b)(1)	
	(b)(1)		
L	548		7. /22
	5	ICS-6924 Handle	118

	TOP SECRET CHESS RUFF (b)(1	
	Original	
44.00		
	(b)(1)	
	549 6	TCS-692476/72
	TOP SECRET CHESS RUFF	TALENT MEMORE (b)(1)

TOP SECRET CHESS RUFF SAO/ST-SS-03-37-73 Original (b)(1) TCS-692476/72 Handle via TALENT-KEYHOLE(b)(1) control systems jointly TOP SECRET CHESS RUFF/

	SAO/SI-SS-03-73-73	
· ,	Original	
	(b)(1)	
	8 1CS-692476/72	
	TOP SECRET CHESS RUFF (b)(1) TOP SECRET CHESS RUFF (b)(1) 551 TALENT-KEYHOLE (b)(1) control systems jointly	

TOP SECRET CHESS RUFF (6)(1) SAO/ST-SS-03-37-13

(b)(1)

TOP SECRET CHESS RUFF

1CS-692476/12

Handle via
TALENT-KEYHOLE (b)(1)

Original

control systems jointly

TOP SECRET CHESS RUFF SAO/ST-SS-03-73-73 Original (b)(1)

553

10

TOP SECRET CHESS RUFF/(6)(1)

TCS-692476/72 Handle via [ALENT-KEYHOLE-((b)(1)

TALENT-KEYHOLE-(b)(1)
control-systems jointly

SAD/ST-SS-03-37-73 Original

(b)(1)

554

11

TCS-692476/72
Handle via
TALENT-KEYHOLE ((b)(1)
control systems jointly

TOP SECRET CHESS RUFF, (D)(1)

TOP SECRET CHESS RUFF (6)(1)	
------------------------------	--

SAO/ST-SS-03-73-73 Original

(b)(1)

555

12

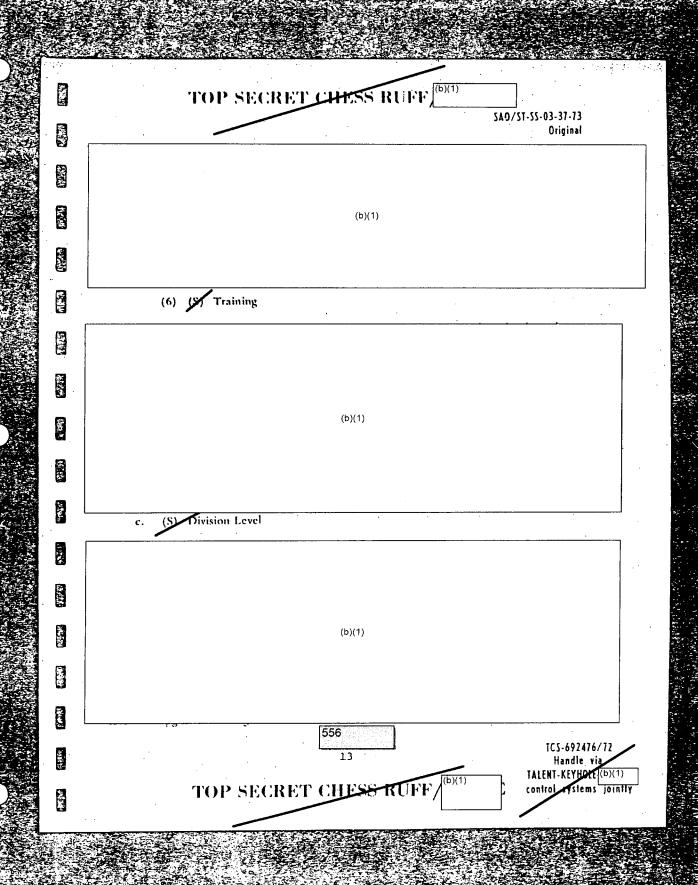
TOP SECRET CHESS RUFF/SPOKE

TCS-692476/72

Handle via

TALENT-KEYHOLE ((b)(1)

control systems jointly



T <u>OP SIR</u>	CRET CHESS RUFF/(b)(1)	
SAO/ST-SS-03-73-73	· · · · · · · · · · · · · · · · · · ·	
Original		
		· ·
		·
	(b)(1)	
	(-)(-)	
d. (5) Regimental Cl	nemical Reconnaissance Platoon	
	(b)(1)	
(S) Mission		<u> </u>
	(b)(1)	
	557. 35. 200	
		105-692416/72
•	14	Handle via
	CRET CHESS RUFF/(b)(1)	TALENT-KEYHOLE (b)(1) Control systems jointl

TOP SECRET CHESS R	SAO/ST-SS-03-37-73
	Original
c. Battalion Level	
(b)(1)	
(2) (CF (b)(1) Per CIA,(b)(3):50 U.S.C. 403	
(b)(1) Per CIA,(b)(3):50 U.S.C. 403	(b)(1)
(b)(1)	
<u> </u>	
7. Medical Units Concerned With CBR Desense	• 1
a. (S) Hygiene and Epidemiology Detachment	
, IEEO	
558	**************************************
15	TCS-692476-72 Handle via
TOP SECRET CHESS R	TALENT KEYHOLE ((b)(') Control systems join

TOP SECRET CITESS RUFF/(b)(1)

SAO/ST-SS-03-73-73 Original .

(b)(1)

559

16

TOP SECRET CHESS RUFF

TCS-697476/77 Handle via TALENT-KEYHOLE-(b)(1)
control systems jointly

TOPSEC	RET CHESS RI	SA	0/ST-SS-03-37-73 Original
b. (C) Hygiene-Epidem	iology Platoon		UTTGERØI
	(b)(1)		
8. CBR in Civil Defense	Units and Programs		
	(b)(1)		
	560		
	17.		TCS-697476/7 Handle 11a

		SECRET C	HESS RU	FF/(b)(1)	***************************************
SAO/S Origin	57-55-03-73-73 al				. *
		·			
			(b)(1)		
					TCS-692476/72
	*****	7191718 KNET -	18	(b)(1)	Handle via TALENT-KEYHOLE-(b)(1)
	TOP	SECRET (HESS RU 561	F.F.	cantrol systems jointl

	TOP SECRET	LIHAN KUI	FF)	
,			,	Original Original
		(b)(1)		
	C. DOCTRINES AND PROCED	URES GOVERNING	G USE OF BW WEAP	ONS
9,	(S) Centeral			
		(b)(1)		-
	 			
		19		1CS-692476/77 Handle
	TOP SECRET	CHESS RU	FF (b)(1)	control systems joint
		562		· ·

SAO/ST-SS-03-73-73 Original		e r emess R t			
				`	
		(b)(1)			
		No. W.			-
			31/		
-		ployment of Biological	weapons		
(1) Per CIA,(b)(3):50 U	.S.C. 403		-		
(1),(b) 50 U.					
			·		
		(b)(1)			
11. (S) Czech	oslovak Plans for	the Use of Biological V	Veapons		
	(b)(1) Per CIA,(b)(3)	, , , , , ,			· · · ·
	CIWYD)(3)				
(6)(1)					
(b)(1) Per C					
L. Company		(b)(1)			
·					
	- 1 2 3 77			-	
12. (S) BW 7	Technical Troops		,		
		(b)(1)			
•		20		TCS-69247 Handle	siv
		N N N 1773 - 1 1 2 5 7 17 14	(b)(1)	TALENT-KEYHO	LE (b)
	TOP SEC	RET CHESS B	Wrt/	control system	u2 16

TOP SECRET CITESS RUFF

SAO/SI-SS-03-37-73
Orininal

(b)(1)

D. DOCTRINES AND PROCEDURES FOR DEFENSE AGAINST BW

14. (U) Introduction

- a. (U) Throughout the Czechoslovak Military organization there is ample evidence that the Czechoslovak Army is patterned after its Soviet counterpart. A Soviet publication on biological warfare and means of protection has been translated and published in Czechoslovakia. It is not unreasonable to assume that Soviet doctrines and procedures for defense against BW, as published in the above book, have been adopted by the Czechoslovaks.
- b. (U) Defense against BW consists of a complex of measures aimed at preparing the military and civilian population to ward off and cradicate disease infection in the event of an enemy biological attack. As discussed in detail below, these measures have been broken down into steps to be taken before the outbreak of hostilities, after the outbreak of hostilities but before an overt BW attack, and countermeasures which must be initiated during and after a BW attack. 1417142

15. (C) Preparation

a. (U) Immunization. The use of vaccines is one of the most effective means of preventing infections by biological agents, but it is not practical to depend on this measure alone for several reasons. The number of possible BW agents is large, and protection against each agent usually requires immunization with a specific vaccine. Effective vaccines are not

TCS-692476/72
Handle via
TALENT-KEYHOLE (D)(1)
control systems jointly

SAO/ST-SS-03-73-73 Original

available for all the possible BW agents, and concomitantly the duration of artificial immunity conferred by certain vaccines may be relatively short. Furthermore, a massive dose of the agent can usually overwhelm any degree of immunity.

b. Compulsory Inoculations. 143

(b)(1)

d. .(U) Immunization Techniques

(1) (U) General. Any intent to immunize as a means of defense against BW requires the availability of effective vaccines against potential agents, ready accessibility to these vaccines in sufficient quantity, and the means to administer these vaccines quickly to large numbers of people. The task is simplest if the biological agents to be used are known. In the absence of this knowledge, the best action is to inoculate against as many likely candidate agents as possible. Mixed vaccines are convenient for this purpose. 144

TOP SECRET CHESS RUFF (b)(1)

TALENT-KEYHOLE ((b)(1)
control systems jointly

SAO/ST-SS-03-37-73 Original

- (2) (U) Mixed vaccines. The Soviets have published numerous papers on mixed vaccines which are effective against a variety of candidate biological warfare agents, including those causing anthrax, plague, brucellosis, tularemia, viral encephalitides, Q-fever, smallpox, yellow fever, cholera, and botulism. Soviet work on the development of mixed vaccines is considered to be primarily intended for BW defense. 144 The Czechoslovaks, however, appear to have done little or nothing to develop mixed vaccines.
- e. (U) Sanitary Measures. The following sanitary-hygienic precautions are advocated 141/142 to prevent the spread of infectious diseases among the troops:
 - (1) (U) Observance by every serviceman of rules of personal hygiene.
- (2) (U) Maintenance of proper sanitary hygiene conditions in areas where troops are located.
- (3) (U) A supply of potable water and uncontaminated food for all personnel should be maintained.
- f. (U) Training. Both troops and civilian populations are taught the nature and effectiveness of biological weapons, the need to recognize a biological attack, the use of defensive materiel to ward off and decontaminate biological agents, rules of personal hygiene, the procedures for maintaining cleanliness, the need to protect supplies, and clues to aid in the timely detection of infected personnel. [417]

16. (U) BW Intelligence and Agent Warning

Both overt and covert means are employed by the Soviets to obtain information on enemy preparations for BW. The defense system must anticipate a rapid exposure of personnel to biological agents and devise for rapid dissemination an appropriate warning in case of this eventuality. Foreknowledge of enemy intent is essential to take appropriate countermeasures and to initiate defensive precautions. 141/142 As there are no special devices yet developed by which all pathogenic microorganisms and toxins can be recognized immediately and precisely in real time, criteria have been set up for the observation and recognition of all clues indicating the employment of BW agencs. 141/142 These signs have been described as being the dull explosion of an aerial bomb, artillery shell, or mine in the absence of indications that radioactive or poisonous substances have been released. Another sign would be the presence of powder-like substances and drops of liquid on the soil and vegetation near points of detonation. By observation, data can be collected about the scattering and impacting of various objects dropped from airplanes, about the presence of

TOP SECRET CHESS RUFF (b)(1)

TCS-692476-72
Handle via
TALENT-KYHOLE(b)(1)
control systems jointly

SAO/ST-SS-03-73-73 Original

insects, ticks, and rodents, and about the identity of insects and rodents foreign to the given locality. Finally, the explosive appearance of animal disease among livestock and the sudden outbreak of human illnesses can be due to infection by biological agents. 143/142 According to Soviet doctrine, observation posts are established everywhere, whether a unit is on the fighting front or in the rear, to insure security round-the-clock. The observer watches for sabotage infection; for the dissemination of bacterial agents from enemy aircraft or from special machines, sprayers, or other apparatus used for this purpose; and for the appearance of exotic biological vectors, etc. It has been emphasized that the appearance of unknown faces and any unusual activity in the surveyed district should always attract the attention of the observer, 141/142 To report a biological attack, alarm signals have been worked out and established in advance. These have been made known to all personnel, military and civilian alike. These signals are solely for an alarm in the event of either a chemical or biological attack. They are given a priority for dispatch by all possible means of communication. 141/142 When there is a positive indication that the enemy has applied BW agents, a so-called biological survey should be performed. Organization of the biological survey is the fixed responsibility of all commanding officers and their staffs. Both officers and soldiers can be utilized. In order that this duty can be successfully performed, officers and soldiers should always be well grounded in the fundamentals of biological warfare. 141/142 A biological survey is conducted constantly upon the initiation of military action, and, for this purpose, certain equipment is required: topographical maps, writing paper, pencils, protective clothing and gas masks, together with a set of small boxes, jars, and instruments for taking samples. A detailed procedure for conducting the survey has been established. 141/142

17. (U) Rules of Conduct on Ground Contaminated by Bacterial Agents

- a. In the event of biological warfare, every Soviet soldier, sailor, and officer is expected to exhibit unusual stamma, initiative, and dauntless determination for victory over the enemy. A BW attack cannot be the reason to cease fighting. 1417142
- b. The fundamental obligation of a soldier is the successful completion of his mission. For the successful completion of military missions under conditions of biological warfare, every serviceman must know how to protect himself and his arms from contamination; for these purposes, he must know how to use the fortified installations, topographical formations, field expediencies, and naval accommodations which may be available. 141,7142
- c. To avoid contamination, every soldier must be able to use individual items issued for antibiological defense and to operate in them for extended periods. He must be able to

TOP SECRET CITESS RUFF (b)(1)

TOP SECRET CITESS RUFF (b)(1)

Trong systems jointly

TÓP SECRET CHESS RUFF^{(b)(1)}

\$47-55-03-37-73

perform sanitary treatment, disinfection, and insecticidal procedures, and he must keep in working order the various items of individual protective equipment. When these items are not available, he must be able to improvise suitable substitutes.¹⁴¹⁷¹⁴²

d. Provisions, water, and personal equipment must be kept free from contamination, and the sanitary-hygiene rules must be strictly observed. Every serviceman must know that terrain contaminated by biological agents is considered accessible for combat action. To minimize the contamination of the individual soldier by bacterial agents, precautionary measures have been prescribed. Contaminated terrain is best traversed in vehicles, 141,042

18. (U) Antiepidemic Measures Employed Following a BW Attack

a. Sanitary Measures

- (1) Partial sanitary treatment. Partial sanitary treatment and disinfection are to be accomplished immediately after the biological attack. These actions will be taken by each individual soldier. This treatment is limited to washing the exposed parts of the body and the surface of all military equipment which has to be touched for fulfillment of the military mission. 141/142
- (2) Complete sanitary treatment. Complete sanitary treatment is to be accomplished in an unpolluted place after the withdrawal of each unit or ship from combat. Complete treatment is also to be made available either in field or station hospitals for infected personnel who have been wounded. Special treatment points are planned for this complete sanitary and disinfecting treatment which consists of thorough scrubdown in a shower while personal clothing and equipment are being decontaminated. 141/142

b. Organization of Observation and Quarantine

- (1) General rule. All personnel of the Army exposed directly to biological agents or using food and water thought to be polluted by bacterial agents must be considered contaminated. In order to prevent the spread of infectious diseases, observation and follow-up procedures are to be instituted. 141/142
- (2) Observation. Observation is a system of measures for providing isolation and confinement as well as therapeutic and prophylactic treatment to prevent the spread of infectious diseases. The units under observation continue combat activities while maximal restrictions are placed on their contacts with persons who have not been exposed to the biological agents. Removal from the contaminated area of materiel which has not been

TOP SECRET CHESS RUFF (b)(1)

TCS-692476 72

Handle via

TALENT-KEY/OLE-((b)(1)

control. systems jointly

SAO/51-SS-03-73-73 Original

disinfected is prohibited. Special routes are set up for passage through the area. All exposed personnel are to be given emergency treatment, and every effort will be made to determine precisely which personnel have been infected. Departure of personnel from the contaminated area will be strictly controlled, 141.742

dangerous diseases such as plague and cholora have been used, the protocol above must be replaced by quarantine. Quarantine is a system of control measures aimed at the complete isolation of the focus of each infection and the liquidation of infectious disease within it. With the consent of proper authorities, a quarantined unit may be withdrawn from combat. An armed guard for the contaminated area will be posted, departures are to be forbidden, and admissions will be restricted. In order to limit potential epidemics, exposed personnel will be divided into small groups. Special decontamination procedures will be followed. 141/442

c. Decontamination Measures

- (1) Boundaries. The boundaries of the contaminated area are determined as soon as possible after the biological attack. All efforts will be exerted to contain agent materiel within the area. After establishing the boundaries, a directive is issued for the behavior of personnel on the contaminated terrain; for the use of road, water supply, shelters, living, and agricultural premises; for the disinfection of combat equipment, transportation facilities, and arms; and for the sanitary treatment of personnel and animals. The decision whether or not to completely disinfect the contaminated area is to be made by the commanding officer. 14 1 / 14 2
- (2) Procedures. Decontamination machines are usually used for the disinfection of terrain, defense installations, combat equipment, and structures. Individual equipment will be disinfected with hand sprayers, manpack decontamination sprayers, hydraulic pumps, etc. Detailed decontamination procedures have been established. [41:14.2]

E. BW MATERIEL (OFFENS!VE)

19. (S) BW (1) Per CIA,(b)(Weapons 3):50 U.S.C. 403	
	(b)(1)	
	[569]	
	26	103-692476/72
*	TOP SECRET CHESS RUFF (6)(1)	Handle via IALEHT-KEYHOLE-(b)(1) control systems joint

	RET CHESS RUF	SAO/ST-SS-03-37-73 Original	
	(b)(1)		
20. A BW Agents			
	(b)(1)) Per CIA,(b)(3):50 U.S.C. 403	
	(b)(1)		
· · · · · · · · · · · · · · · · · · ·	F. BW MATERIEL (DEFENSIVE	:)	
21. IC General			
	(b)(1)		
22. (C) Individual Protective	Equipment	***************************************	
	(b)(1)		
	_27	TCS-692476	5/7
	RET CHESS RUF	Handle v	ia E- (b

TOP SECRET CHESS RUFF (D)(1) SAO/ST-SS-03-73-73 Original (b)(1) Per CIA,(b)(3):50 U.S.C. 403 (b)(1) Per CIA,(b) (3):50 U.S.C. 403 (b)(1)

571

28

TOP-SECRET CHESS RUFF (6)(1)

TCS-692476/72 Handle via TALENT-KEYHOLE(b)(1)

control systems jointly

	TOP SECRET CHESS RUFF (b)(1) SAO/51-55-03-37-73			
	Original			
	(b)(1)			
		•		
2	(CONFIDENTIAL)			
	Figure 10. New Czechoslovak protective mask (U).			
	(b)(1)			
	572			
	1CS-692476	/12		
	Handle vi TALENT-KEYHOLE	(b)(1)		
Ē	TOP SECRET CHESS RUFF (b)(1) control systems	jointly		
=		-		