

Approved for Release: 2017/01/18 C01434893  
ROUTING AND RECORD SHEET

(b)(3)

SUBJECT: (Optional)

7

(b)(1)  
(b)(3)

FROM:		EXTENSION	NO.
		2901	DATE 22 January 1975
TO: (Officer designation, room number, and building)	DATE		OFFICER'S INITIALS
	RECEIVED	FORWARDED	
1.			<p>(b)(3)</p> <p>We have provided a write-up of non-lethal personnel incapacitation in the format you requested. I disagree with this format because the "ORD Support to other Agencies" label completely misrepresents the intent of this project (which is expressed in the text). In fact, one or two reports were declassified after completion of the project so they could be sent to a few police departments and the like. The project was not initiated with such users in mind.</p> <p style="text-align: right;">h/ (b)(3)</p>
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ORD SUPPORT TO OTHER AGENCIES

ACTIVITY: Technical Liaison -- Information Exchange

Because of the growing concern regarding terrorist activities and their potential effect on Agency activities overseas, a literature review was conducted to determine the potential effectiveness of different alternatives to firearms in dealing with terrorist activities, overseas hijackings and the like. Four reports were prepared on the following topics: (a) Electric Shock; (b) Impact; (c) Carbon Dioxide; and (d) Dimethyl Sulfoxide. No experiments were undertaken. Copies of several of the contractor's publications were requested by, and supplied to local or governmental agencies. Since the reports were not classified, no records were kept as to their distribution and no personnel familiar with this work remain at the Agency.

MATERIAL SUPPORT: None

FUNDS:

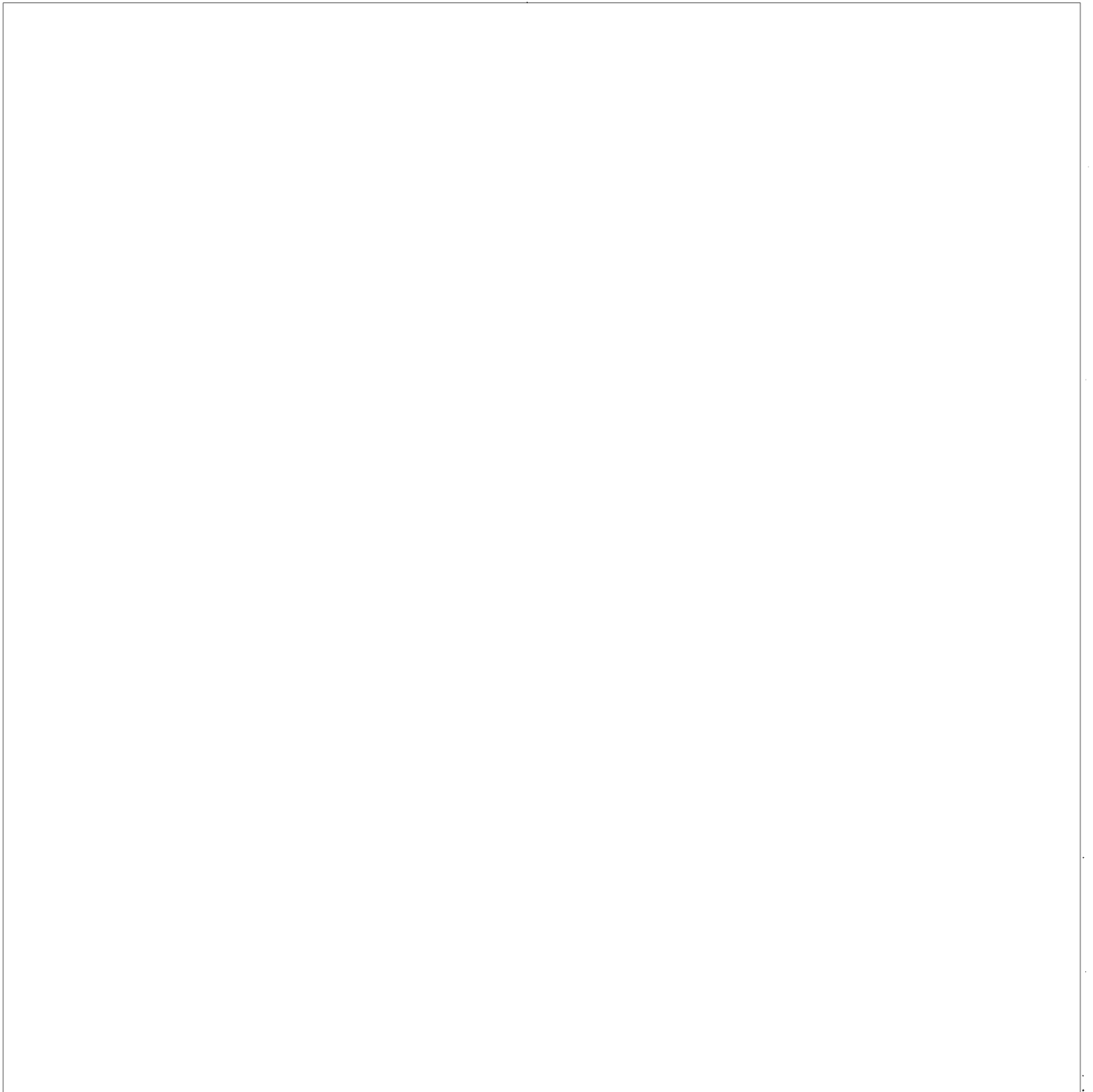
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ORD SUPPORT TO OTHER AGENCIES



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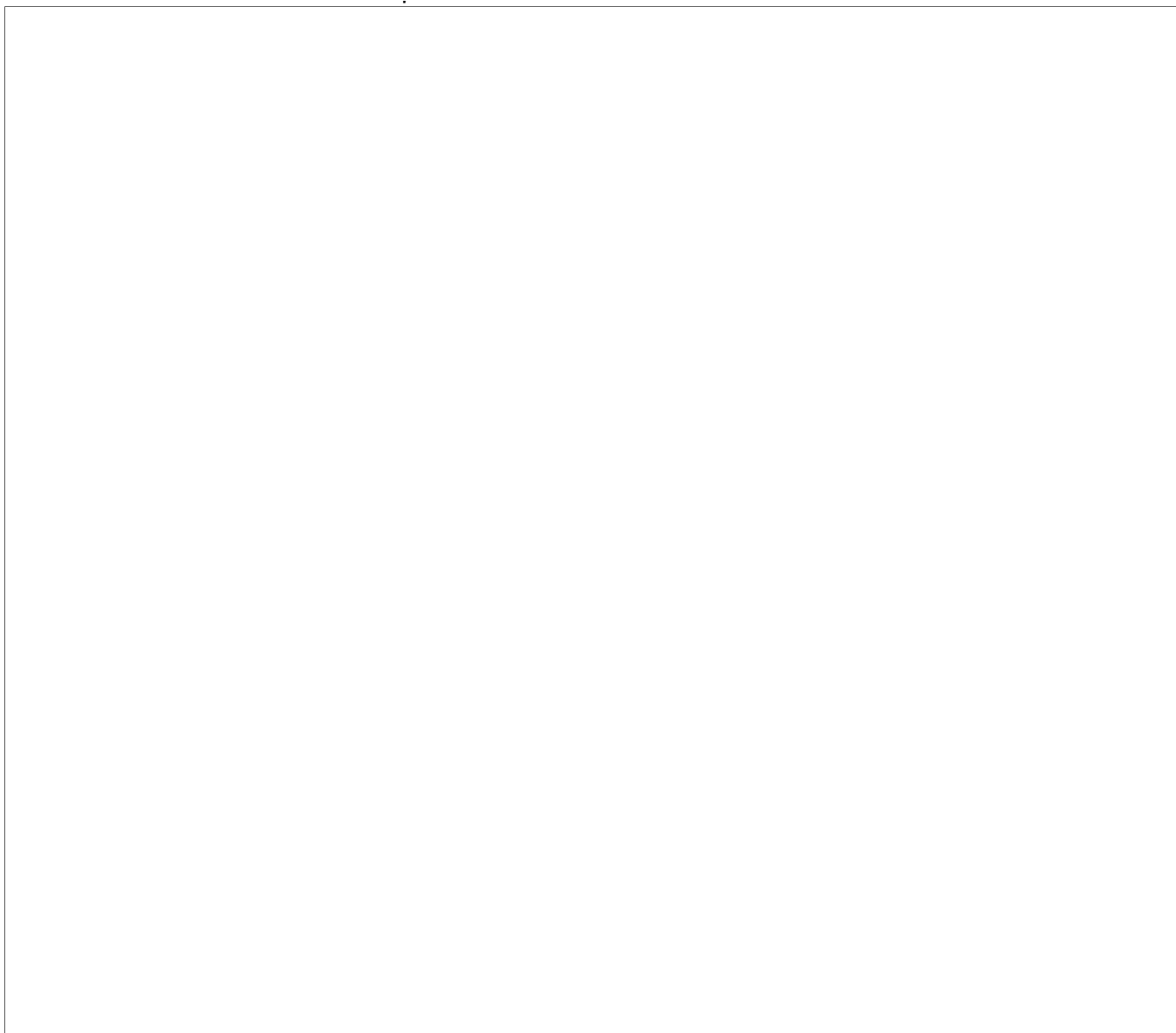




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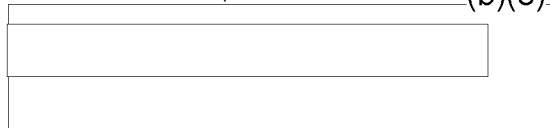
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ORD SUPPORT TO OTHER AGENCIES

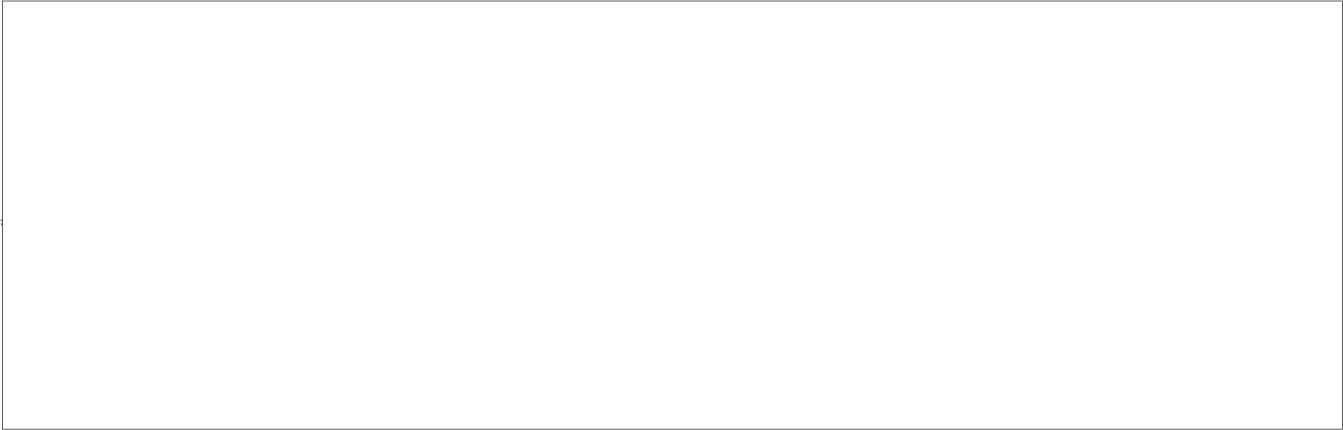


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ORD SUPPORT TO OTHER AGENCIES



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ORD SUPPORT TO OTHER AGENCIES (continued) (b)(3)

Police Relations

There were no direct relations between [redacted]/ORD and police departments and no support was provided to police departments by [redacted]/ORD. Some [redacted]/ORD contractors did have ties to police authorities in their respective areas and on some occasions, the contractors drew upon the resources of the police authorities. The degree to which the police benefited or were inconvenienced because of the Agency's use of their consultants (the police department's) can not be ascertained.

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A list of [redacted] contractors with police ties and the type of research conducted is as follows:

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[redacted] /ORD SUPPORT TO OTHER AGENCIES (continued) (b)(3)

Police Relations (continued)

2.

[redacted] (b)(3) [redacted] (b)(3)

[redacted] conducted polygraph research on the Agency's behalf for [redacted] ORD. [redacted] used a member of the Texas Department of Public Safety, a Texas Ranger, as the polygraph examiner in portions of the study. The contractual relationship with [redacted] was terminated a number of years ago. (b)(3)

[redacted]

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LITERATURE REVIEW ON NON-LETHAL INCAPACITATION

Because of the growing concern regarding terrorist activities and their potential effect on Agency activities overseas, a literature review was conducted to determine the potential effectiveness of different alternatives to firearms in dealing with terrorist activities, overseas hijackings and the like. Four reports were prepared on the following topics: (a) Electric Shock; (b) Impact; (c) Carbon Dioxide; and (d) Dimethyl Sulfoxide. No experiments were undertaken. Several of the contractor's unclassified publications were requested by, and supplied to, other local or governmental agencies.

~~INTERNAL USE ONLY~~

~~SECRET~~

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DOMESTIC ACTIVITIES

Technology exchanges with NASA

At irregular intervals <sup>the Office of Development and Engineering has</sup> ~~we have~~ responded to requests for briefing cleared NASA personnel. The majority of those meetings were with NASA Headquarters people with the exception of the LSI exchanges which included GSFC and MSFC people. Two specific technologies have been released to them as unclassified work: a) The photo diode chips (not including modules or higher level assemblies, b) The control moment gyros (the hardware from the 1970 technology development).

*Wallops Space Flight Center*

*Large Scale Telescope*

At irregular intervals we have requested assistance from NASA, generally from GSFC via the NASA Headquarters cleared personnel. Two examples are: a) the packaging/QC/parts review by two  cleared NASA GSFC engineers,  (b)(3)  
 b) the TWT consultation by one NASA GSFC engineer at Agency Secret classification. In no case have we touched on programmatic matters and all activities have had a scheduled, controlled duration supervised  There  (b)(3)  
 are no current activities of this nature.  (b)(3)

*Naval Space Flight Center*

*Quality Control*

*traveling wave tube*

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NATIONAL SECURITY INFORMATION  
Unauthorized Disclosure Subject to  
Criminal Sanctions.

WARNING NOTICE  
SENSITIVE INTELLIGENCE SOURCES  
AND METHODS INVOLVED

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~~SECRET~~

HANDLE VIA BYEMAN  
CONTROL SYSTEM ONLY