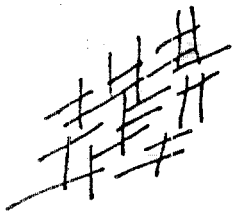
SECRET
D Approved For Release 2000/08/09 : CIA-RDP96-00789R003700710006-8 AOL A/S

USE/APPLICATION?

structure
crystal

criss-cross
cross-hatch



frequency
vibration

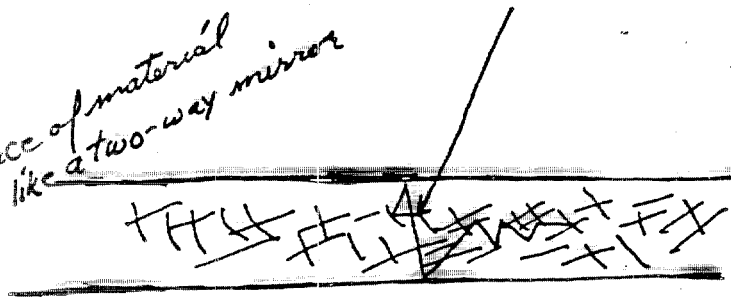
scatter
bounce-off

rutile

THING & USE?

It's all I get is some sort of material. When light or "energy" hits it, the light or energy is absorbed and/or scattered/diffused--- it will not reflect

face of material
is like a two-way mirror



when energy/light enters this material, most of it is absorbed. Any that is remaining is scattered throughout this material by rod-like inclusions contained in the material.

Once the energy/light enters the material it cannot escape ----- in theory, anyhow.

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PROJECT N-1

VIEWER'S DATA (V-2)	COMPARISON TO TARGET
o Cover is red – brown with black border.	o Document has blue-black-white border.
o Document has symbols associated with mathametical concepts and formulas.	o Correct.
o . . wich listing related to strategic arms and targets.	o Incorrect.
o Document has two parts: First is theoretical in nature; second part provides mathametical justification.	o First part is conceptual; mathametical notation occurs through middle portion; measurement/applications are toward end.
o Material is used to trap energy.	o Text covers material/crystalline concepts related to optics.
o Concepts of crystal structure, use of frequencies, perception of vibration and scattering . . .	o Document emphasis is on all of these; crystalline vibration and scattering is a central concept.
o Evidence of a surface material bonded by a crystal structure acting in the manner of a two-way mirror used to absorb and scatter energy (throughout the material) through the use of "rod-like inclusions".	o Correct. Crystal model shown in text illustrates crystalline vibration via use of "elastic-spring connections".
o A grey, smooth, shiny long round metallic cylindrical object is associated with the theory.	o Cover uses cylindrical, rectangular shapes to illustrate optical processess.

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PROJECT N-1

VIEWER'S DATA (V-4)	COMPARISON TO TARGET
o Small circles and black print on cover.	o Partial.
o Letters: A. R. M. T. S. H.	o Possible slight link to Soviet Title.
o Document deals with concepts of energy, phases of implementation.	o Partially correct (Emphasis is on optial theory/ phenomena)
o Essence of document; capture and storage of light and energy in very small cubes.	o Essentially correct (holographic principles are central).
o Two principles in document:	
1. Eye to eye principle.	1. Over-all concept correct; possibly implied by illustra-on cover.
2. Transparencies with "reversing" effect.	2. Apt description of holographic process.

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PROJECT N-1

VIEWER'S DATA ([redacted]-3)

- Related to CW/BW
- Maroon cover
- Related to effects of high altitude burst.
- Deals with concepts of energy, phases of implementation.

COMPARISON TO TARGET

- Incorrect.
- Incorrect.
- Possibly suggested by cover illustration.
- Partially correct (optical theory).

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PROJECT N-1

VIEWER'S DATA (N-1)

- Document has a red background. odd shaped yellow and black letters.
- Letters L, I, N, E, are in title.
- Subject matter is on arms control, technical aspects of weapons, engineering constraints.

COMPARISON TO TARGET

- Colors are blue, white and black
- Russian letters: З, И, И, о, Л appear on cover.
- Document is highly technical dealing with optical principles.

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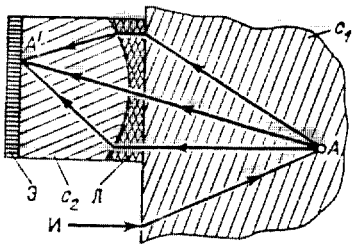

Рис. 33.

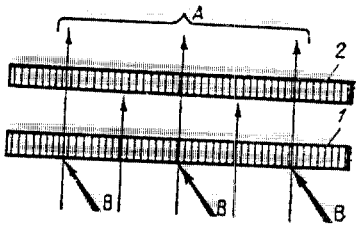

Рис. 32.

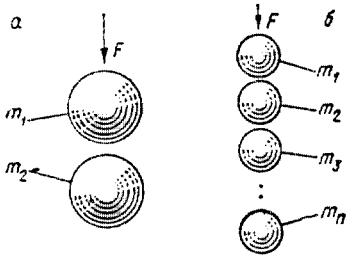

Рис. 16.

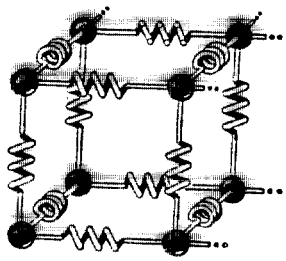

Рис. 17.

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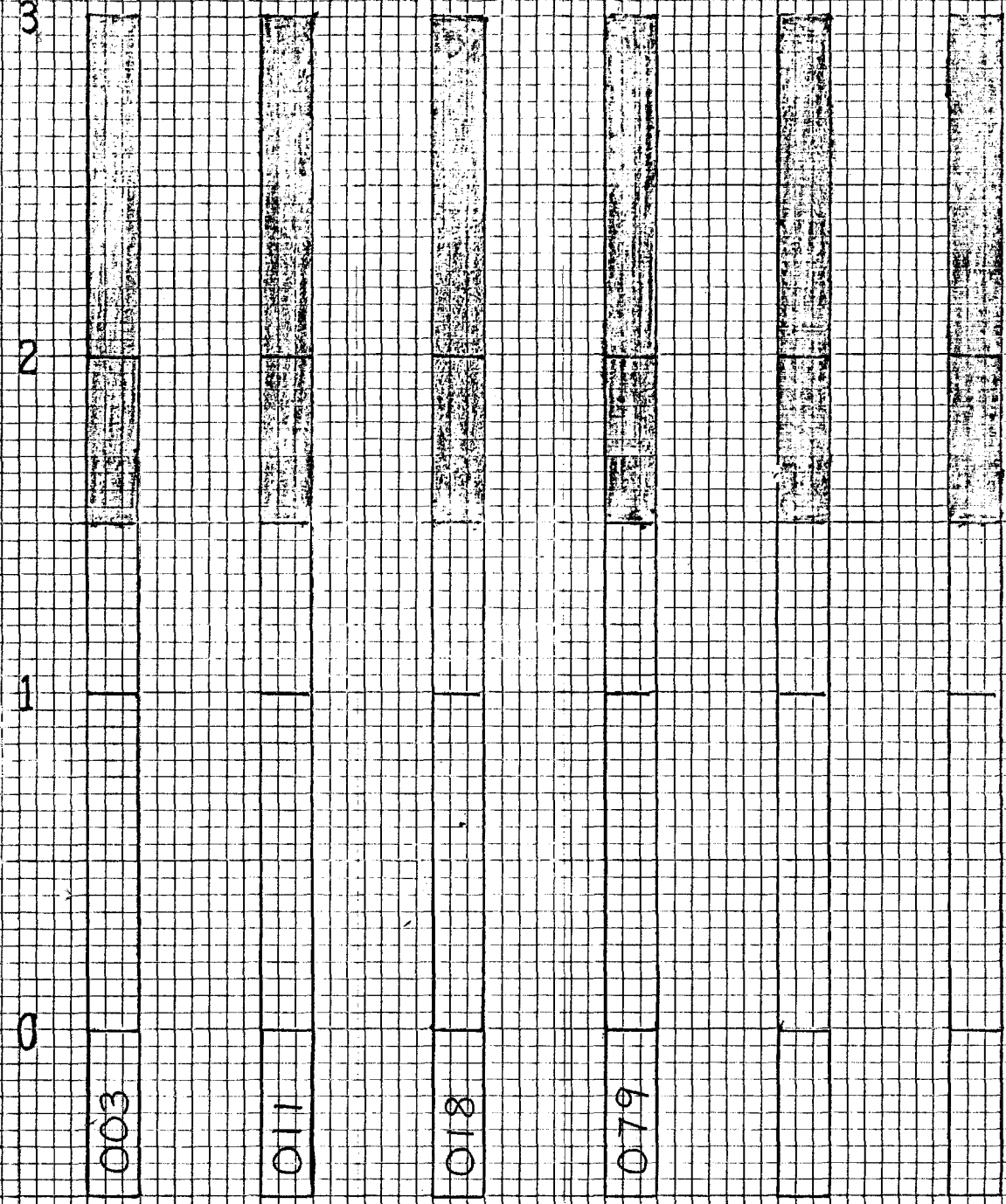
PROJECT N-1



REMOTE VIEWER

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