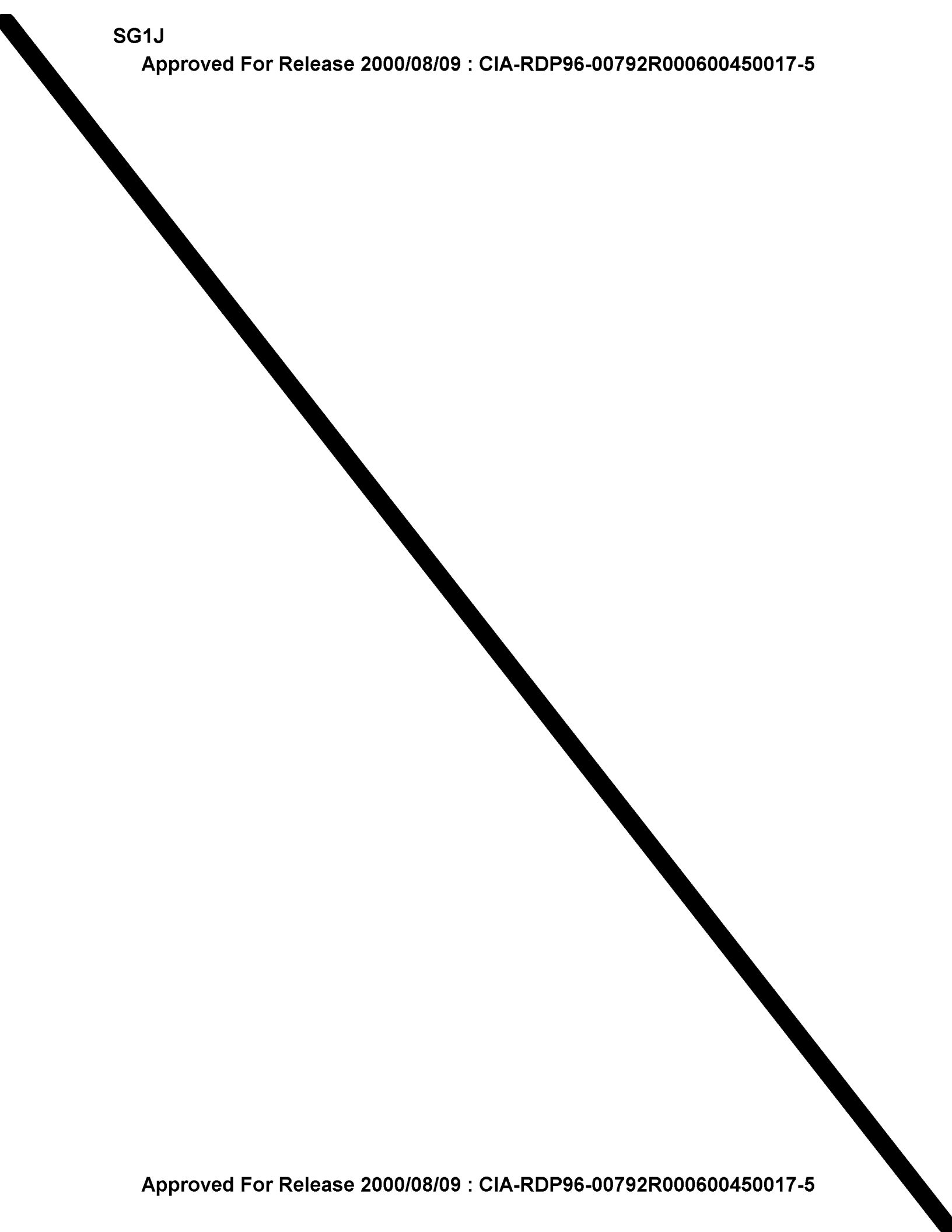

council of presidents, which would jointly make all fundamental decisions in regard to the armed forces.
(SNAP 920203)

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Author: *Ivanyuk, I., Major, correspondent*
Title: *EX-SERVICEMEN DEVELOP SPECIAL CONSTRUCTION MATERIALS AND TECHNOLOGY*
Primary Source: *Krasnaya zvezda, January 11, 1992, No. 8-9 (20695-20696), p. 3, cols. 1-8*

Abstract: The article reports on activities of the Construction Research and Design Association (Proyektstroynauka), which is utilizing experience with construction of military and space installations. "Proyektstroynauka" is characterized as a high-potential organization which is launching production on the basis of its own scientific developments. This association, which has an annual turnover of millions of rubles, takes in several joint-stock companies and small enterprises.

A conversation is recorded with Colonel of the Reserves Dmitriy Arkadyevich Frumin, a former military construction specialist and now head of the "Proyektstroynauka" association. Frumin and colonels of the reserves V. Kostin, A. Sytnik and N. Marichev are among a number of engineers who acquired unique experience in construction of fortifications, missile silos and structures of space-launch complexes while serving in the armed forces, the author relates. For example, concrete capable of withstanding a direct hit by a missile with a nuclear warhead was developed, using high-quality cement and scarce superplasticizers. Frumin recalled that while carrying out a contract assignment at Kapustin Yar in 1962, he and his associates achieved waterproofness of concrete which was two to three times as high as usual. Experience of former military specialists reportedly has been utilized in building underground structures for civil defense and watertight structures for underground services, in particular. A new process which makes sealing of joints unnecessary, permanent forms which function simultaneously as facing and wet sealing, concrete ten times as waterproof as conventional concrete, and other materials with special properties have been developed in this connection.

Frumin showed the author of the article slabs of siligran, a concrete which is not only comparatively inexpensive but said to be capable of withstanding stresses as great as those for which missile silos are designed. Siligran is considered a possible safe substitute for asbestos cement whose use is forbidden in many countries. Other potentially profitable developments of "Proyektstroynauka" include unique processes for producing building materials, and equipment for these processes. The association reportedly has concluded 20 agreements for creation of joint enterprises and facilities, including a Soviet-Bulgarian enterprise, for production of finished products.
(SNAP 920203)

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Author: *Tsarev, I.*
Title: *REPORTS OF BIOELECTRONIC-WEAPONS TESTING IN 1970s AND 1980s*
Primary Source: *Trud, December 27, 1991, No. 298 (21522), p. 4, cols. 1-2*

Extract: Long ago, Gennadiy Petrovich Shchelkunov, a specialist in the field of radioelectronics and an employee of the scientific production association "Istok," calculated and substantiated an effect of long-distance communication without the aid of equipment. This effect consists essentially of excitation, in cerebral fluid, of acoustic vibrations which reach auditory nerves. These vibrations are excited by pulsed microwave radiation. Shchelkunov did not attempt to carry out his discovery in practice, but he considers it quite feasible from the technical standpoint.

In a scrapbook which I leafed through, there was a short clipping which read: "I, Ivan Sergeyevich Kachalin, and (the name of another inventor followed) made a discovery, 'A Method of Inducing Artificial Sleep at a Distance by Means of Radio Waves,' in the Soviet Union.(*) General-Colonel of Aviation Vladimir Nikitovich Abramov rendered practical assistance in formalizing this discovery. Marshal of Aviation Yevgeniy Yakovlevich Savitskiy supervised this work."

SNAP, 3FEB92

Documents state that "a paper by the authors of an invention, 'The Action of Modulated Electric and Electromagnetic Pulses on Biological Specimens,' was presented at the bioelectronics laboratory of the USSR Academy of Sciences' Institute of Radio Engineering and Electronics (IRE). In 1973, the first 'Radioson' (radiosleep) unit was developed at military unit 71592 of the city of Novosibirsk and preliminary trials were conducted ...."

This report bears the seal of an academic institute and signatures, including those of academician Yu. Kobzarev and Doctor of Sciences E. Godik. And, by the way, the block diagram of the "Radioson" unit includes the same microwave generator whose pulses, according to G. Shchelkunov, can also evoke acoustic vibrations in the brain.

We were able to meet with a second inventor. Ivan Antonovich (he requested that his last name not be used), an associate of an institute of the USSR Academy of Sciences, said:

"Yes, we have developed the 'Radioson' unit and have conducted not just one, but several successful tests both on ourselves and on volunteer soldiers. But prolonged correspondence with the Committee on Inventions and Discoveries didn't produce any results. They deferred consideration of our claim, which was registered as early as 1974, under a totally unconvincing pretext."

"Perhaps, because such devices already existed?"

"No, at that time, this was out of the question. We gave some reports at various institutes, including IRE in 1982. Savitskiy arranged a meeting for us with specialists of a military scientific research institute. They listened with interest, but everything disappeared as into a morass ...."

The total indirect evidence makes it possible to conclude: 'psi' weapons are technically entirely feasible, prototypes of them were tested as early as the 1970s and 1980s, and this means that they may also exist now.

*See also the *Daily SNAP*, November 25, 1991, p. 4, col. 1
(SNAP 920203)

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SNAP, 3 FEB 92