

SHUBLADZE, A.K.; ANAN'INA, M.M.

Diagnosis of epidemic parotitis. Zhur.mikrobiol.epid.i immun.
no.10:75-82.0 '53. (MLRA 6:12)

1. Iz Instituta virusologii im. D.I.Ivanovskogo Akademii meditsinskikh
nauk SSSR (direktor - professor M.P.Chumakov). (Mumps)

ZHURAVSKAYA, N.V. (Moscow); SHUBLADZE, A.K., professor, zaveduyushchiy; TAREYEV, Ye. M., professor, zaveduyushchiy; CHERNOGUBOV, B.A., professor.

Method of bacteriologic diagnosis of subacute bacterial endocarditis. Klin. med. 31 no.7:31-35 J1 '53. (MLRA 6:9)

1. Bakteriologicheskaya laboratoriya nauchno-eksperimental'nogo otdela Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.F. Vladimirovskogo (for Shubladsze), 2. Terapevticheskiye kliniki Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta im. M.F. Vladimirovskogo (for Tareyev and Chernogubov). (Endocarditis)

SHUBLADZE, A.K.

[Short course in practical virology] Kratkii kurs prakticheskoi
virusologii. Izd. 2., perer. i dop. Moskva, Medgiz, 1954. 379 p.
(Viruses) (MLRA 8:2)

Shubladze, A. K.
USSR/Medicine - Infectious Hepatitis

FD-1629

Card 1/1 : Pub. 148-9/28

Author : Shubladze, A. K.

Title : An experimental investigation of Botkin's epidemic hepatitis

Periodical : Zhur. mikro. epid. i immun. 7, 38-43, Jul 1954

Abstract : A brief review of the history, epidemiology, and diagnosis of epidemic hepatitis both in the Soviet Union and abroad is given. A new method of culturing the virus of epidemic hepatitis, a hemoculture method employing Sarcina as "feeders", is described in detail. The names of Soviet scientists working in this field and the nature of their work are mentioned. Eleven Soviet references and eleven non-Soviet references are cited.

Institution : The Virological Laboratory of the Moscow Oblast Scientific-Research Clinical Institute imeni M. F. Vladimirovskiy (Dir.-P. Muzychenko), and the Institute of Virology, Academy of Medical Sciences USSR imeni O. I. Ivanovskiy (Dir.-Prof. M. P. Chumakov)

Submitted : May 18, 1953

SHUBLADZE, A.K.; ANDZHAPARIDZE, O.G.

Effectiveness of a new vaccine in prevention of vernal tick-borne encephalitis. Zhur.mikrobiol.epid. i immun. no.9:74-77 S '54. (MLRA 7:12)

1. Iz Instituta virusologii imeni D.I.Ivanovskogo AMN SSSR (dir. prof. P.N.Kosyakov).

(ENCEPHALITIS, EPIDEMIC, prevention and control, vacc.)

(VACCINES AND VACCINATION, encephalities, epidem.)

SHUBLADZE, A.K.; VARDOSANIDZE, E.Sh.

Hemagglutination properties of certain neurotropic viruses. Zhur.
mikrobiol. epid. i immun. no.10:62-69 0 '54. (MLRA 8:1)

1. Iz Instituta virusologii imeni D.I.Ivanovskogo AMN SSSR (dir.
prof. P.N.Kozyakov)

(HEMAGGLUTINATION
by viruses, neurotropic)
(VIRUSES,
neurotropic, hemagglut.)

SHUBLADZE, A.K.; GAYDAMOVICH, S.Ya.

Investigation of human acute encephalomyelitis virus; Report no.3:
Susceptibility of animals. Zhur. mikrobiol. epid. i immun. no.12:
43-47 D '54. (MLRA 8:2)

1. Iz Instituta virusologii AMN SSSR (dir. prof. P.N.Kosyakov)
(ENCEPHALOMYELITIS, experimental,
susceptibility in animals to human viruses)

SHUBLADZE, A.K.; GAYDAMOVICH, S. Ya.

Investigations on the virus of human acute encephalomyelitis. Report
no.4:Antigenic properties. Zhur. mikrobiol. epid. i immun. no.12:47-53
D '54. (MLRA 8:2)

1. Iz laboratorii virusnykh entsefalitov (zav. prof. A.K.Shubladze)
Instituta virusologii AMN SSSR (dir. prof. P.N.Kosyakov)
(ENCEPHALOMYELITIS, immunology,
antigens)
(ANTIGENS AND ANTIBODIES,
encephalomyelitis antigens)

SHUBLOZI, A. K.

The Problem of Epidemic and Serous Hepatitis.

VOYENNO-METSINSKIY ZHURNAL (MILITARY MEDICAL JOURNAL), no 3, 1955 p. 48

SHUBLADZE, A.K.; ANAN'YEV, V.A.

Epidemiology and prevention of Botkin's disease. Zhur.mikrobiol
epid. i immun. no.6:3-9 Je '55. (MLRA 8:9)
(HEPATITIS, INFECTIOUS, epidemiology,
in Russia)

SVET-MOLDAVSKIY, G.Ya.

"Brief course in practical virusology." A.K. Shubladze, S.Ia. Gaidamovich, Reviewed by G. Ya. Svet-Moldavskii. Zhur.mikrobiol. epid i immun. no.6:113-115 Je '55. (MLRA 8:9)
(VIRUSES) (SHUBLADZE, A.K.)

SHUBLADZE, A.K

1954. Virological study of neoplastic disease in man and animals.
I. Culture of tumours on the chorio-allantoic membrane of chick
embryos. A. K. Shubladze *Zh. Mikrobiol.*, 1955, No. 11, 36-48;
Referat. Zh. Biol., 1956, Abstr. No. 83542. — Blood of patients with
leukæmia and fragments of various benign and malignant tumours
from man and animals were cultured on the chorio-allantoic mem-
brane of 7-8 day chicks. In different series of tests, malignant
explants developed in 15.6-63.5% of tests, and benign in 22-
63.9%. Eight malignant tumours were further transferred by pas-
sage, up to 30 times; it was not possible to transfer benign tumours
at all. During 7-9 days, tumours of human origin grow in extent
15-20 times, animal tumours 50-200 times. Tumour-like forma-
tions produced from Ehrlich's carcinoma were proved to be patho-
genic for mice during 3-5 passages, but after these they main-
tained only their antigenic specificity, as shown by complement
fixation test with immune rabbit serum. Filtrates of these tumours
obtained with Seitz and Chamberland L₂ filters gave no growth
when cultured on chorio-allantoic membrane. Normal tissues of
adult men survived on 15-19% of occasions but proliferated to
only 5 times their initial size. It was not possible to inoculate them.
Fragments of liver from patients dead from hepatitis did not grow
at all. Embryonic human tissue survived well and grew luxuriantly.
The histological picture of cultured malignant tissues differs
sharply from the changes produced by implantation of normal
tissues. (Russian) M. LUBRAN

SHUBLADZE, A. and GAYDAMOVICH, S.

"USSR Vaccines Against Polyseasonal Neuroinfections," *Meditzinskiy
Rabotnik*, 18, No.81, p. 3, 1955

Translation W-31571, 15 Dec 55

SHUBLADZE, A.K.

Congress of Virologists in Czechoslovakia. Vop.virus. 1 no.1:61-63
Ja-F '56. (MLRA 10:1)
(VIRUS DISEASES)

SHUBLADZE A. K.

SUBLADZE, A. K.

Several chronic forms of virus infections. Stud. cercet.
inframicrobiol., Bucur. 7 no.1-2:7-15 Jan-June 56.

(VIRUS DISEASES

chronic forms, research progr.)

(MULTIPLE SCLEROSIS

as chronic virus dis., research progr.)

(ENCEPHALOMYELITIS

virol. & ther., research progr.)

(HERPES

chronic, research progr.)

SHUBLADZE, A.K.

Botkin's infectious hepatitis virus. Vop.virus. 1 no.3:12-17 M6-Je '56.
(MIRA 10:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(HEPATITIS, INFECTIOUS, virus,
(Rus))
(VIRUSES,
hepatitis (Rus))

SHUBLADZE, A.K.

USSR/Virology - Viruses of Man and Animals.

D-3

Abs Jour : Ref Zhur Biologiya, No 7, 10 April 1957, 26110

Author : Shubladze, A.K.

Inst :

Title : Serum and Infectious Hepatitis (Experimental Studies)

Orig Pub : Sov. meditsina, 1956, No 3, 19-24

Abst : A survey of data obtained by Soviet and foreign researchers in experimental studies of virus hepatitis. In the author's opinion, attempts by Soviet and foreign scientists to cultivate the virus in monkeys should be considered promising. Data on the appearance of microorganism "SB" in the blood and feces of hepatitis patients are significant. Also important are a number of specific and non-specific methods proposed for the laboratory diagnosis of Botkin's disease. A discussion is given of basic measures in combatting Botkin's disease.

Card 1/1

SAO NI TA MEDICA Sec 4 Vol. 10/10 Microbiology Oct 57

2426. SHUBLADZE A. K. and GAIDAMOVICH S. Ya. Inst. of Virol., Acad. of Med. Sci., USSR, Moscow. *Specific diagnosis and treatment of acute encephalomyelitis and disseminated sclerosis (Russian text) VOP. VIRUS 1956, 4 (47-52) Tables 2 Illus. 4

The discovery in 1942 of the acute-encephalomyelitis virus and the comparison of its characteristics with those of other neurotropic virus provided an opportunity of establishing a close link between that of rabies and those of encephalomyelitis of foxes and horses and of disseminated sclerosis, the latter pointing the way to specific diagnosis and treatment. The vaccine prepared from the virus of acute encephalomyelitis and destroyed by formalin was used during 10 yr. in the treatment of disseminated sclerosis. The treatment consisted of 2-3 courses of 10-12 s.c. injections of the vaccine (3-5 ml.) during one year and led in 30% of cases to recovery or considerable improvement. The s.c. injections of vaccine were, however, badly tolerated by the patients and the intracutaneous method of injection was proposed (0.2 ml. in the skin of the forearm); this gave a specific skin reaction which was used as a diagnostic. It was revealed that in acute encephalomyelitis and disseminated sclerosis a positive reaction was obtained in 96% of the cases. In other disease of the nervous system the reactions were doubtful in 2% and positive only in 1.5%. This permits the use of this method in the clinic, especially since the serological methods of investigation gave positive results in only 30-40% of the cases. References 14.

Kaulen - Moscow

SHUBLADZE, A.K.

Symposium on epidemic hepatitis, held in Warsaw on Dec. 3-5, 1956.
Vop.virus. 2 no.2:124-126 Mr-Ap '57. (MIRA 10:6)
(HEPATITIS, INFECTIOUS)

SHUBLADZE, A. K.

CZECHOSLOVAKIA / Virology. Human and Animal Viruses. E
General Problems

Abs Jour : Ref. Zhur - Biol., No. 16, 1958, No. 71302

Author : Subladze, A.K.

Inst : -

Title : On Some Chronic Forms of Virus Infections.

Orig Pub : Casop. lekaru ceskych, 1957, 96, No. 8, 242-249

Abstract : A brief review on the epidemiology, etiology, pathogenesis and immunity of acute encephalomyelitis, acarid-bite meningo-encephalitis, herpes, epidemic hepatitis and some other virus infections. Results are presented in detail of an experimental and laboratory-clinical study of the pathogenesis and immunity of acute encephalitis and multiple sclerosis; their diagnostic and specific prophylaxis is described. For the

Card 1/2

SHUBIADZE, A.K.

On some viruses related to the etiological agent of the spring-summer tick-borne encephalitis. Acta virol. Engl. Ed., Praha 2 no.4:255-259 Oct-Dec 58.

1. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

(ENCEPHALITIS, EPIDEMIC, virus
viruses related to spring-summer tick-borne encephalitis
virus)

(VIRUSES
same)

SHUBLADZE, A.K., ANDONOV, P.S.

Studies on the adaptation of IAs-8 strain of tick-borne encephalitis virus to unfavorable conditions. Vop.virus 3 no.4:229 J1-Ag '58
(MIRA 11:9)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(ENCEPHALITIS, EPIDEMIC, virus
Russian tick-borne, adaptation of Ias-8 strain
to unfavorable cond. (Rus))

EXCERPTA MEDICA Sec 4 Vol 12/9 Med. Micro. Sept 59

2869. EMBRYONIC VACCINE FOR THE PROPHYLAXIS OF THE SPRING-SUMMER TICK-BORNE ENCEPHALITIS (Russian text) - Shubladze A. K., Bichova E. N. and Ananiev V. A. - ZH. MIKROB. EPID. I IMMUNOBOL. 1958, 10 (102-109) Tables 7

Addition of 0.05% formalin and incubation for 3 days fully inactivates the embryonic virus in the vaccine. The immunizing capacity of the vaccine is lowered after storage for 6 months. The virus of spring-summer tick-borne encephalitis multiplies well in tissue cultures of fibroblasts of chick embryos.

Tarabčák - Kosice

ANAN'YEV, V.A., SHUBLADZE, A.K.

Prevention and study of epidemic hepatitis. Sov.zdrav. 17 no.11:33-37
N'58 (MIRA 11:10)

1. Iz Instituta virusologii imeni D.I. Ivanovskogo AMN SSSR.
(HEPATITIS, INFECTIOUS, prev. & control.
in Russia (Rus))

SHU3LADZE, A.K.; KHUAN CHZHI-SHAN [Huang Chih-shang]

Studies on antigenic properties of herpes virus. Vop. virus. 4 no.1:
80-85 Ja-F '59. (MIRA 12:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(HERPES, virus.
antigenic properties (Rus))

ANDONOV, P.S.; SHUBLADZE, A.K.

Growth of strains of viruses of tick-borne encephalitis in chick embryo and HeLa cell tissue cultures. Vop. virus 4 no.1:94-100 Ja-F '59.

(MIRA 12:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(ENCEPHALITIS, EPIDEMIC, viruses,
culture in chick embryo & HeLa cell tissue culture (Rus))
(TISSUE CULTURE,
chick embryo & HeLa cell tissue culture for encephalitis
virus (Rus))

SHUBLADZE, A.K.; GAYDAMOVICH, S.Ya.; GAVRILOV, V.I.

Virological study on laboratory cases of Venezuelan equine
encephalomyelitis. Vop.virus. 4 no.3:305-310 My-Je '59.
(MIRA 12:8)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(ENCEPHALOMYELITIS, EQUINE, casereports,
Venezuelan, in laboratory workers (Rus))

SHUBLADZE, A.K.

Second International Congress on the Pathology of Infectious
Diseases. Vop.virus. 4 no.6:757-760 N-D '59. (MIRA 13:3)
(PATHOLOGY--CONGRESSES)

SHUBLADZE, A.K.; GAYDAMOVICH, S.Ya.; BYCHKOVA, Ye.N.; OBUKHOVA, V.R.

Virus of acute encephalomyelitis (OEM) in man and its relation
to multiple sclerosis. Vest. AMN SSSR 14 no.10:13-17 '59.
(MIRA 13:6)

1. Institut virusologii imeni D.I. Ivanovskogo MAN SSSR.
(ENCEPHALOMYELITIS) (MULTIPLE SCLEROSIS)

SHUBLADZE, A.K., prof.; ANAN'YEV, V.A.

Comparative studies on human and animal forms of hepatitis. Sov.med.
23 no.12:44-49 D '59. (MIRA 13:4)

1. Iz Instituta virusologii imeni D.I. Ivanovskogo (direktor - prof.
P.N. Kosyakov) AMN SSSR.
(HEPATITIS INFECTION)

SHUBLADZE, A.K.; MAYEVSKAYA, T.M.

Study of neurotropic viruses in tumors on chick embryos. Vop.
virus 5 no.4:422-431 Je-Ag '60. (MIRA 14:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(TUMORS) (VIRUSES)

SHUBLADZE, A.K.; MAYEVSKAYA, T.M.; ANAN'YEV, V.A.; VOLKOVA, V.N.

Some features of different strains of herpes viruses. Report
No. 1: Antigenic properties. Vop. virus. 5 no. 6:735-740 N-D
'60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(HERPES)

17(2)

SOV/16-60-2-2/35

AUTHORS: Shubladze, A.K., Bychkova, Ye.N.

TITLE: An Experimental Study of Tissue Vaccine for the Prophylaxis of Tick-Borne Encephalitis

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1960, Nr 2, pp 8 - 13 (USSR) *Vol. 31*

ABSTRACT: In recent years P.S. Andonov, A.K. Shubladze, Ye.N. Levkovich and G.D. Zasukhina have shown that viral tissue cultures can be effectively prepared, which has prepared the way for an improvement in vaccine against spring-summer tick borne encephalitis. The present article lists the results of experiments which prove the efficacy of vaccine prepared from virus cultured on chick embryo fibroblasts. The virus was cultured on skin-muscle tissue from the embryo and an effective method of inactivating the virus with formalin was developed. The vaccine was tested for immunogenicity on mice, inducing an immunity ranging from 100 to 100,000 Units. The virus-neutralizing antibodies in the serum reached titers of 1,000 and more. The vaccine was also tested on human volunteers and proved to be quite non-reactive. Triple inoculation induced deep immunity, as was shown by the gradual rise in

Card 1/2

SHOUBLADZE A.K.
USUNOFF, G., SHOUBLADZE, A. K., BOJINOV, S., GAYDAMOVITCH, S. YA.,
ANDONOV, P. S., GEORGIEV, Iv. et OBOUHOVA, N. P. (Moscou, USSR)

"Recherches serologiques sur l'etiologie de l'encephalite
hypercinetique progressive subaigue en Bulgarie"

Report submitted to the 7th Intl. Congress of Neurology,
Rome, Italy, 10-15 Sep 61

ANAN'YEV, V.A.; SHUBLADZE, A.K.

Isolation of virus strains in epidemic hepatitis. Vop. virus. 6
no.5:538-542 S-0 '61. (MIRA 15:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(HEPATITIS, INFECTIOUS)

SHUBLADZE, A.K.; MAYEVSKAYA, T.M.; VANAG, A.I.

Some features of different strains of herpes viruses. Report No.2:
Pathogenicity and morphological features of different strains of
herpes viruses. Vop.virus. 7 no.3:286-293 My-Je '61. (MIRA 14:7)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(HERPES)

SHUBLADZE, A.K.; VANAG, A.I.; MAYEVSKAYA, T.M.

Some features of different strains of the herpes virus. Report No.
3: Role of erythrocytes in the pathogenesis of infection. Vop.virus.
7 no.3:293-299 My-Je '61. (MIRA 14:7)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(HERPES) (ERYTHROCYTES)

SHUBLADZE, A.K. (Moskva)

New works on virology and their importance for clinical practice.
Klin.med. no.10:120-126 '61. (MIRA 14:10)

1. Iz Instituta virusologii imeni D.I. Ivanovskogo AMN SSSR.
(VIROLOGY)

SHUBLADZE, A.K.; MAYEVSKAYA, T.M.

Further study of the virus of acute encephalomyelitis in man.
Vest. AMN SSSR 16 no.6:3-8 '61. (MIRA 15:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR.
(ENCEPHALOMYELITIS)

SHUHLADZE, A.K.

"Studies on herpes virus."

Report submitted to the Intl. Congress for Microbiology
Montreal, Canada 19-25 Aug 1962

SHUBLADZE, A. K.

RUMANIA

V.A. ANANIEV, A.K. SHUBLADZE, S.V. NARSKI, I.F. BARINSKI, N.V. KAVERIN
and N.A. EVSTICNEEVA [Affiliations not given.]

"Study of the Etiology of Infectious Hepatitis."

Bucharest, Studii si cercetari de inframicrobiologie, Vol 14, No 3,
1963; pp 261-267.

Abstract [English summary modified]: Authors' unpublished data as well as Bulgarian, other Soviet, Czech, Japanese uncited publications are reviewed in support of authors' contention that infectious hepatitis can be caused by several different viruses each having their own specific properties and only vaguely related, as to ECHO, Coxsackie and other entero- and adenoviruses, canine hepatitis virus. Human cells (renal, endothelial vascular, intestinal, Detroit-6) are best media. In some instances, disease undistinguishable from infectious hepatitis appears to have been produced by known viruses.

1/1

UZUNOV, G.; SHUBLADZE, A.K.; BOZHINOV, S.; GAIDAMOVICH, S.I.; ANDONOV, P.;
GEORGIEV, I.; CEKHOVA, V.R.

Appropos of the etiology of subacute progressive hyperkinetic
encephalitis in Bulgaria. Izv. microbiol. inst. 15:237-243 '69

1. Grupa po neurologia i psikiatriia pri Bulgarskata akademija
na naukite (rukovoditel: G.Uzunov); Katedra po neurologia pri
Visshia meditsinski institut, Sofia (rukovoditel: S.Bozhinov);
Laboratoria za sravnitelna virusologija pri Virusologisknija
institut "D.I.Ivanovskij", Moskva (rukovoditel: A.K.Shubladsa)
i Laboratoria za virusni entsefaliti pri NIEM, Sofia (ruk-
voditel P.Andonov).

*

ANAN'YEV, V.A.; SHUBLADZE, A.K.; NARSKIY, S.V.; BARINSKIY I.F.; KAVERIN, N.V.;
YEVSTIGNEYEVA, N.A.

Study of the etiology of Botkin's epidemic hepatitis. Vop.med.
virus. no.9:3-8 '64. (MIRA 18:4)

TAREYEV, Ye.K., prof., red.; SHUBLADZIN, A.K., prof., red.;
IPATOV, V.F., red.

[Epidemic hepatitis; Botkin's disease] Epidemicheskii gepatit; bolezni' Botkina. Moskva, Meditsina, 1964. 198 p.
(MIRA 17:8)

1. Deystvitel'nyy chlen AMN SSSR (for Tareyev).

UZUNOV, G.; SHUBLADZE, A.K.; BOZHINOV, S.; GAYDAMOVICH, S.Ya.;
ANDONOV, P.; GEORGIYEV, I.; OBUKHOVA, V.R.

Etiology of progressive hyperkinetic encephalitis in Bulgaria.
Zhur. nevr. i psikh. 64 no.3:346-350 '64. (MIRA 17:5)

1. Nevrologicheskaya i psikhiatricheskaya klinika Vysshego meditsinskogo instituta (Sofiya), Laboratoriya sravnitel'noy virusologii Instituta virusologii im. D.I. Ivanovskogo AMN SSSR (Moskva) i Laboratoriya virusnykh entsefalitov Nauchno-issledovatel'skogo instituta po epidemiologii i mikrobiologii (Sofiya).

ARUTYUNOV, V.A., prof.; SHUBLADZE, A.K.; BERENBEYN, B.A.; MAYEVSKAYA, T.N.;
ROGAYLIN, G.I.

Marrow-Brooke's contagious follicular seratosiis. Vest. dermat. i ven.
38 no. 11 26 34 N '64. (MIRA 18:4)

1. Klinika kozhnykh i venericheskikh bolezney Moskovskogo oblastnogo
nauchno-issledovatel'skogo klinicheskogo instituta imeni Vladimirskego
(dir. P.M.Leonenko) i Institut virusologii imeni D.I.Ivanovskogo (dir. -
deystvitel'nyy chlen AMN SSSR prof. V.M.Zhdanov) AMN SSSR.

SHUBLADZE, A.K.; BARINSKIY, I.F.; BESPROZVANNYY, B.K.; ANAN'YEV, V.A.;
VANAC, A.I.

Use of comparative virology methods in studying virus hepatitis.
Report No.1: Study of virus accumulation dynamics in the organs of
experimentally infected animals. Vop. virus. 10 no.4:467-473 J1-Ag
'65. (MIRA 18:8)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.

ACC NR: AP6027597

SOURCE CODE: UR/0248/66/000/008/0087/0092

AUTHOR: Zhdanov, V. M.; Shubladze, A. K.; Paktoris, Ye. A.; Anan'yev, V. A.

ORG: Institute of Virology im. D. I. Ivanovskiy, Academy of Medical Sciences, SSSR, Moscow (Institut virusologii AMN SSSR)

TITLE: Infectious hepatitis, Botkin's disease

SOURCE: AMN SSSR. Vestnik, no. 8, 1966, 87-92

TOPIC TAGS: ~~infections~~ hepatitis, Botkins disease, epidemiology, public health, DISEASE CONTROL

ABSTRACT:

Various aspects of Botkin's disease, a type of infectious hepatitis, are analysed. Its principal victims are children and young adults. The disease is one of the most widespread viral infections in the Soviet Union, and is more dangerous for children than for adults. Clinical aspects and a detailed plan for its prophylaxis are presented. [WA-50; CBE No. 11]

SUB CODE: 06/ SUBM DATE: none

Card 1/1

UDC: 616.36-002.12

(047)

SHIRIADZE, B. K.

Mbr. Clinic Child Surgery, Tashkent State Med., Inst. in. V. M. Molotov, -1949-.
Cand. Medical Sci. "Treatment of Peritonitis with Penicillin," Khiirurgiya, No. 9, 1949.

MELIKADZE, I.G.; LARIN, R.R.; BEZHANOV, F. Kh.; Prinimali uchastiye:
KHUROSHVILI, G., inzh.; TSAGARELI, T., inzh.; ZAMTARADZE, E., inzh.;
BOCHORTSHVILI, G., tekhnik; MAYSURADZE, L., laborant; SHUBLADZE, G.,
laborant; PANKRATOVA, Ye., kammerez.

Investigation of teschenite disintegration by the thermal method.
Soob. AN Gruz. SSR 34 no.3:633-640 Je '64 (MIRA 18:1)

1. Institut gornogo dela imeni G.A. TSulukidze AN Gruzinskoy SSR.
Submitted November 25, 1963.

SHUBLADZE, K.K. kandidat sel'skokhozyaystvennykh nauk.

Water economy of the Democratic Republic of Vietnam. Gidr.1 mel. 8
no.4:51-64 Ap '56. (MLBA 9:8)

1. Zasluzhenyy irrigator Uzbekskoy SSR.
(Vietnam, North--Hydrology)
(Vietnam, North--Irrigation farming)

SHUBLADZE, K.K., kandidat sel'skokhozyaystvennykh nauk.

An interesting pamphlet ("Prestressed reinforced concrete"; an
abridged translation of a book by J. D. Harris, P. B. Morris.
Reviewed by K. K. Shublazde). Gidr. 1 mel. 8 no.11:62 N '56.
(Prestressed concrete) (MLRA 10:4)
(Harris, J.D.) (Morris, P.B.)

SHUBLADZE, K.K.

Scientific and technical conference on building and reconstructing
irrigation systems. Gidr.i mel. 9 no.2:53-64 F '57.

(MLRA 10:3)

(Peiping--Irrigation--Congresses)

SOV-99-58-9-7/9

AUTHORS: Askochenskiy, A.N., Academician and Shubladze, K.K., Candidate of Agricultural Sciences

TITLE: Use of Prefabricated Reinforced Concrete Structures in Irrigation Systems in Italy (Primeneniye sbornogo zhelezobetona v irrigatsionnom stroitel'stve Italii)

PERIODICAL: Gidrotekhnika i melioratsiya, 1958, Nr 9, pp 49-60 (USSR)

ABSTRACT: The authors, who are members of the IX Session of the Executive of the International Commission on Irrigation and Drainage and participated in its works in Rome in May 1958, visited different irrigation systems and factories in Italy where prefabricated concrete parts necessary for further development of irrigation projects were manufactured. This article is a report of their observations. There are 20 photos and 8 sets of diagrams.

1. Irrigation systems--Italy
2. Irrigation systems--Materials
3. Reinforced concrete--Applications

Card 1/1

SHUBLADZE, K.K.

BOLOTOVA, N.P.; VINOKUR, Ya.Ye.; GIRSEKAN, S.A.; KOKLIYANOV, A.F.; KUNDZICH,
M.M.; NEFEDOV, V.D.; OFFENGENDEN, S.R.; PISHCHIKOV, R.S.;
POSLAVSKIY, V.V.; TOMILOV, V.S.; SHAROV, N.A.; SHTAREV, Ya.K.;
SHUBLADZE, K.K.

Ways of improving technical aspects and lowering the cost of
constructing irrigation, drainage and water supply systems.
Gidr. i mel. 10 no.4:17-39 Ap '58. (MIRA 11:5)
(Irrigation) (Drainage) (Water supply, Rural)

SOV/99-59-1-2/13

AUTHORS: Denisov, P.I., Engineer and Shubladze, K.K., Candidate of Agricultural Sciences

TITLE: For a Utilization of Reserves in Irrigated Farming Districts (Za ispol'zovaniye rezervov v oroshayemom zemledelii)

PERIODICAL: Gidrotekhnika i melioratsiya, 1959, Nr 1, pp 7-19 (USSR)

ABSTRACT: In the light of the tasks which await Soviet agriculture in the 1959-1965 plan, it is of utmost importance to fully utilize all the irrigated areas and considerably increase their productivity. One of the most important problems is to improve irrigation methods. The authors state that, from 1945 to 1957, irrigable areas have increased by 2,483,000 hectares, but the acreage actually under irrigation increased by only 1,405,000 hectares. In 1957, 3,870,000 hectares of meliorated areas were not irrigated. The main cause was the short-

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SOV/99-59-1-2/13

For a Utilization of Reserves in Irrigated Farming Districts

age of water, poor organization and shortage of labor, bad soil conditions, (swampy, salty). Only 493,000 hectares of the three million plus did not require irrigation. The authors state that the present, manual method of irrigation causes huge losses of water in filtration, evaporation and so on. They estimate that up to 25,000,000,000 cubic m of water (costing about 1,000,000,000 rubles) are lost every year. They recommend a general introduction of the sprinkling method, already widely used abroad. In the US, about 1,000,000 hectares are irrigated this way and only 48,000 hectares in the USSR. This method has many advantages over the old method: a higher labor efficiency, better quality of irrigation, etc. The authors enumerate different sprinkling machines in use abroad and in the USSR. Different examples of improved harvesting methods and their cost are presented in tables 2-5. The authors cite different

Card 2/3

SOV/99-59-1-2/13

For a Utilization of Reserves in Irrigated Farming Districts

measures to be undertaken to improve the operating efficiency of the Soviet irrigation systems. There are 5 tables, 6 photographs and 1 diagram.

Card 3/3

SOV/99-59-1-7/13

AUTHOR: Shubladza, K.K., Candidate of Agricultural Sciences

TITLE: The Use of Plastics in Water Economy (Primeneniye plasticheskikh'mass v vodnom khozyaystve)

PERIODICAL: Gidrotekhnika i melioratsiya, 1959, Nr 1, pp 31-32 (USSR)

ABSTRACT: The author describes the possible use of various plastic materials in the construction of irrigation, water main, sewage disposal and watering systems.

Card 1/1

SHUBLADZE, K.; VINOKUR, Ya.; LEVANOVSKIY, L.; KOKLYANOV, A.

Current problems in the development of irrigation. Vop. ekon.
no.4:36-44 Ap '61. (MIRA 14:3)

(Irrigation farming)

SHUBLADZE, K., kand.sel'skokhoz,nauk, zasluzhennyy irrigator Uzbekskoy SSR

Source of guaranteed crop yields. NTO 3 no.6:8-12 Ja '61. (MIRA 14:6)

1. Nachal'nik Upravleniya vodnogo khozyaystva Ministerstva sel'skogo khozyaystva SSSR.

(Irrigation)

SHUBLADZE, K.K., kand.sel'skokhozyaystvennykh nauk; LEVANSKIY, L.B.,
kand.tekhn.nauk; KOKLYANOV, A.F., inzh.

Fundamental problems in the reclamation of land. Gidr. i mel. 13
no.8:11-20 Ag '61. (MIRA 14:8)

(Drainage)

SHUBLADZE, K.K., kand. sel'skokhoz. nauk; VINOKUR, Ya.Ye., inzh.;
CHERNIKEVICH, L.A., inzh.

Production and use of precast reinforced concrete in irrigation and drainage construction work. Gidr. i mel. 15
no.7:3-13 JI '63. (MIRA 16:8)

1. Ministerstvo sel'skogo khozyaystva SSSR (for Shubladze).
2. Glavsredazirsovkhozstroy (for Vinokur).
3. Vsesoyuznyy gosudarstvennyy proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut Ministerstva sel'skogo khozyaystva SSSR (for Chernikevich).

SHUBLADZE, K.K., kand. sel'skokhoz. nauk

Irrigation systems in the People's Republic of Bulgaria.
Gidr. i mel. 15 no.9:57 S '63. (MIRA 17:1)

SAGAREYSHVILI, P.L.; ~~SHUELADZE~~, L.N.; KERESSELIDZE, T.S.

Annotations and authors' abstracts. *Pediatrics* 41 no.11:89
N°62 (MIRA 17:4)

1. Iz Sukhumskey detskoy bol'nitsy.

MACHABELI, G.A.; SMIRNOV, G.M.; SHUBLADZE, R.L.

Mineralogical types and genetic characteristics of refractory
rocks in the Tumanyan deposit. Geol.sbor. [Kavk.] no.1:95-104
'59. (MIRA 13:1)

(Armenia--Clay)

SARKISYAN, S.S.; SHUBIADZE, R.L.

Olivine from dolerites in southern Georgia. Zap.Vses.min.ob-vo. 94
no.2:230-232 '65. (MIRA 18:5)

SHUBLADZE, V. I.

Shubladze, V. I.

"The problem of the permeability of the capillaries and protien and water metabolism in malaria." Georgian State Publishing House for Medical Literature. Tbilisi State Medical Inst. Tbilisi, 1956.
(Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 25, 1956

SHUBLADZE, V. K., ANAN'YEV, V. A.

"Experimental study of epidemic hepatitis."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists
and Infectionists, 1959.

SHUBLADZE, V. P.

Dvugodichnaia eksploatatsiia elektrovozov na Surame. [The two-year operation of electric locomotives on the Suram]. (Elektrifikatsiia zhel-dor. transporta, 1935, no. 1, p. 7-8).

DLC: TF7C1.E27

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

SHUBNIK, A. K.

Problema topliva na zheleznodorozhnom transporte. Moskva, Tranzheldorizdat, 1946-48. 2 v. illus.

Includes bibliographies.

(Problem of fuel for railroad transport.)

DLC; TJ648.S55

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953

SHUBNIKOV, A.; SIN'KO, V.

Research Institute for the Organization of Administration
and Norms attached to the National Economic Council of the
U.S.S.R. Vop. ekon. no.2:154-156 F '64. (MIRA 17:3)

SHUBNIKOV, A.

"Results of the Conference on Fuel Economy for
Railway Transport," Iz. Ak. Nauk SSSR, Otdel.
Tekh. Nauk, No. 7, 1940.

Report U-1530, 25 Oct 1951

SHUBNIKOV, A. K.

"Scientific and Technical Terminology and its
Standardization," Iz. Ak. Nauk SSSR, Otdel.
Tekh. Nauk, No. 6, 1941. Submitted 13 Jan 1941

Report U-1530, 25 Oct 1951

SHUBNIKOV, A.

Zheleznye dorogi. Iugoslavi. [The railroads Yugoslavia]. (Zhel-dor. transport,
1944, no. 4, p. 85).
DLC: HE7.Z5

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

SHUBNIKOV, A.

Transport Rumynii. [Rumanian transportation system]. (Zhel-dor. transport, 1944,
no. 5-6, p. 88-91). DLC: HE7.Z5

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

SHUBNIKOV, A. K. Dr. Tech. Sci.

Dissertation: "Problem of Fuel on Railroad Transport." Moscow Order of the Labor Red Banner Electromechanical Inst. of Railroad Engineers, ineni F. E. Dzerzhinskiy, 28 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)

SHUBENIKOV, A.K.

SHUBENIKOV, A.K. Problema topliva na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1946-48. 2 v.

Includes bibliographies.

DLC: TJ648.355

SO: LC, Soviet Geography, Part I, 1951, Uncl.

SHUBNIKOV, A.K.

SPIVAKOVSKIY, L.I.; SHUBNIKOV, A.K., professor-doktor, retsenzent.

[Storage economy in metallurgical plants] Skladscoe khoziaistvo metallurgicheskikh zavodov. Sverdlovsk, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 199 p. (MLRA 7:6)
(Storage) (Metallurgical plants)

SHUBNIKOV, A.K., professor, redaktor; TEBENIKHIN, Ye.F.; SHAPROV, M.F.;
ZAKHAROV, A.N.; KUMSKOV, V.T., kandidat tekhnicheskikh nauk,
redaktor; VERINA, G.P., tekhnicheskij redaktor

[Technology of fuels, water and lubricants] Tekhnologiya topliva,
vody i smazki. Moskva, Gos. transp. zhel-dor. izd-vo, 1954. 404 p.
(Fuel) (Water) (MLRA 7:10)
(Lubrication and lubricants)

SHUBNIKOV, A.K.
ABAKUMOV, S.I., redaktor [deceased]; IVLIYEV, I.V. redaktor; KHACHATUROV,
T.S., redaktor; SHUBNIKOV, A.K., redaktor

[Technical reference book for railroad engineers] Tekhnicheskii spravochnik zheleznodorozhnika. Red.kollegiia: S.I.Abakumov, i dr. Moskva, Gos.transportnoe zhel-dor.izd-vo Vol.11[Planning, financing and accounting in railroad transportation] Planirovanie, finansirovanie i uchet na zheleznodorozhnom transporte. Otvet.red.toma I.V.Iviliev.
1955. 697 p. (MLRA 9:1)

(Railroads--Finance)

KAZATOCHKIN, V.I.; YUROVSKIY, A.Z.; SHUBNIKOV, A.K.

To P.F.Andreev's review of the book of S.M.Grigor'ev "Formation processes and properties of mineral fuels." Zhur.prikl.khim.29 no.2:315-317 P '56. (MIRA 9:6)
(Coal) (Petroleum) (Grigor'ev, S.M.) (Andreev, P.F.)

SHUBNIKOV, A. K.

2
Effect of moisture on the oxidation processes of coals.
A. V. Smirnova and A. K. Shubnikov. *Rhim. i Tekhnol.
Topliva i Masel* 1957, No. 5, 40-8. — Brown coals and av.
high-volatile coals which are not stable to oxidation, and fat
boiler coals which are stable were investigated. S-shaped
adsorption isotherms of water on some coals were detd.
Oxygen was passed over a sample of coal under controlled
conditions of temp. and humidity. Elementary analysis,
peroxide value, content of functional groups, and change in
ignition temp. were used to characterize the condition of
coal after oxidation. It was found that moisture consider-
ably accelerates oxidation of av. high-volatile coal, but has no
appreciable effect on Kuznetsk fat boiler coal. B. D.

Inst. Goryuchikh iskopayemykh, AN SSSR

SP 415 NI KOV, A.K.

65-10-1/13

AUTHOR: Shubnikov, A.K., Soboleva, G.N., Bronovets, T.M. and
Khrisanfova, A.I.

TITLE: The Application of Spectral Analysis for the Investigation
of Coal Ashes (Primeneniye spektral'nogo analiza k issle-
dovaniyu zely iskopayemykh ugley)

PERIODICAL: Khimiya i Tekhnologiya Topliva i Masel, 1957, No.10,
pp. 1 - 5 (USSR).

ABSTRACT: The application of spectral analysis for the determination
of the composition of coal ashes using the experimental method
developed for the quantitative analysis of clays (Ref.3) was
tried. The method was tested for the analysis of coal ashes
containing: SiO_2 in the range 3-55%; Al_2O_3 10-45%; Fe_2O_3
4-62%; CaO 0.4-20.0% and MgO 0.05-1.5%. The possibility of
a more accurate and rapid analysis of coal ash for iron and
aluminium oxides by the spectral method than by chemical methods
was established. Mean deviations in the content of the indi-
vidual ash components determined by spectral analysis from the
data obtained by chemical analysis were within the limits of
errors permissible for spectral analysis (1-10%). The absence
of interference during the analysis of one element with another
was confirmed. N. Sedov and P. Khodakovskiy participated in

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The Application of Spectral Analysis for the Investigation of Coal
Ashes

the experimental part of the work. There are 5 tables and
8 references, of which 3 are Russian, 1 German, 1 Spanish and
3 English.

ASSOCIATION: IGI AN SSSR

AVAILABLE: Library of Congress
Card 2/2

AK
ANDREYEV, Nikolay Vladimirovich, dots., kand. tekhn. nauk.; BERLIN, Vasiliy Ivanovich, dots., kand. tekhn. nauk.; MCHEDLOV-PETROSYAN, Otar Petrovich, prof., doktor tekhn. nauk.; ~~SHUBNIKOV, Aleksey Kuzmich, prof., doktor tekhn. nauk, red.;~~ PESKOVA, L.N., red.; VERINA, G.P., tekhn. red.

[Textbook on materials for railroad transportation workers]
Materialovedenie na zheleznodorozhnom transporte. Pod obshchei red. A.K.Shubnikova. Moskva, Gos. transp. zhal-dor. izd-vo, 1958.
461 p. (MIRA 11:10)

(Railroad engineering)
(Materials)

SOV/65-58-7-4/12

AUTHORS: Khrisanfova, A. I. and Shubnikov, A. K.

TITLE: Experimental and Industrial Tests on the Use of Inhibitors During Stock-Piling of Coal. (Opytno-promyshlennaya proverka primeneniya ingibitorov pri shtabel'nom khraneni ugley).

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr.7. pp. 21 - 28. (USSR).

ABSTRACT: These investigations were carried out by D. P. Korotkova, A. N. Zakharov, T. S. Tislin, K. A. Sukhodrovskaya, G. V. Lakomskaya, G. N. Soboleva, R. P. Gusev, A. A. Lapshina, B. V. Semendeyev, and M. F. Fomichev. The IGI AN SSSR and other institutes carried out experiments for producing inhibitors which either slow down or prevent oxidation and auto-ignition of coal during stock-piling. Tests on inhibitors - antipyrogens, were carried out by Skochinskiy, Makarov, Veselovskiy, Terpogosova, Orleanskaya (IGD AN SSSR), Ivakin (VNIIT), Ladut'ko et al. (VNIITP). The IGI AN SSSR carried out experiments on mechanical inhibitors under laboratory conditions, and on chemical inhibitors during laboratory as well as experimental stock-piling. A number of chemical compositions, especially in the form of aqueous solutions of inorganic salts were tested as oxidation inhibitors

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SOV/65-58-7-4/12

Experimental and Industrial Tests on the Use of Inhibitors During Stock-Piling of Coal.

on coals from the Moscow and Donets Basins, especially calcium bicarbonate. The properties of brown coals, and their tendency to oxidation, can be assessed from results obtained during experiments on coal samples with a varying degree of crushing during 600 hours at 40°, 60°, 80° and 100°C under laboratory conditions (Figs. 1, 2 and 3). These results show that brown coal from the Moscow Basin and the Gusinoye Ozero Region have a tendency to be oxidised by the oxygen contained in the air, and are not very stable during storing - they cannot be stored for more than two months. The preparation of aqueous solutions of calcium bicarbonate is described. The temperature in stocks of coals from these sources, when no inhibitors were added, rose above the critical point after six weeks to two months; when calcium bicarbonate inhibitors were added the temperature inside the stock-pile remained low. The coal could be stored for a number of years and the properties remained unchanged. Fig. 4: the temperature conditions in brown coal stocks from the Moscow Basin; Table 1: variations in the proper-

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SOV/ 65-58-7-4/12

Experimental and Industrial Tests on the Use of Inhibitors During Stock-Piling of Coal.

ties of brown coal from the Gusinoye Ozero Region during long storing. The action of various inhibitors (calcium bicarbonate, ammonium carbonate, ammonium sulphate and sodium sulphate) was also tested on coal from the Don Basin (Table 2). When ammonium chloride was used as inhibitor poorer results were obtained. There are 2 Tables, 4 Figures and 7 Soviet References.

ASSOCIATION: IGI AN SSSR.

1. Coal--Storage
 2. Coal--Oxidation
 3. Oxidation inhibitors
- Test results

Card 3/3

KHRISANFOVA, Anna Ivanovna; SHUBNIKOV, Aleksey Kuz'mich; ZAKHAROV, Aleksandr Nikitovich; GUSEV, Rostislav Petrovich [deceased]; SKOCHINSKIY, A.A., akademik, otv.red.; BANKVITSER, A.L., red.izd-va; SIMKINA, G.S., tekhn.red.

[Inhibitors of oxidation and self-ignition of coal] Inhibitory dlia bor'by s okisleniem i samovozgoraniem iskopaemykh uglei. Moskva, Izd-vo Akad.nauk SSSR, 1959. 136 p. (MIRA 13:1)
(Coal--Storage) (Antioxidants)

SHUBNIKOV, A.K., prof., doktor tekhn.nauk; VORONKIN, F.D., inzh.

Manual for workers supplying materials and technical equipment.
Transp.stroi. 10 no.4:57-59 Ap '60. (MIRA 13:9)
(Transportation--Buildings and structures)

IVANOV, N.V.; MALYUTIN, N.K.; FLEYSEMAN, A.I.; KARPOV, P.P., inzh.,
retsenzent; SAUTIN, I.A., ekonomist, retsenzent; SHUBNIKOV, A.K.,
prof., doktor tekhn.nauk, red.; TKOCHUN, A.I., red.izd-va;
UVAROVA, A.F., tekhn.red.

[Supplying industries of regional economic councils with materials
and equipment] Material'no-tekhnicheskoe snabzhenie promyshlen-
nosti sovmarkhozov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry, 1961. 307 p. (MIRA 14:6)
(Industrial procurement)

ZIKEYEV, Boris Vasil'yevich, kand. tekhn. nauk, dots.; SHUBNIKOV, A.K.,
prof., red., doktor tekhn. nauk; GAVRILOV, G.V., red.

[Course on the study of materials with brief information on the
technology of production] Kurs materialovedeniya s kratkimi sved-
deniyami po tekhnologii proizvodstva. Pod red. A.K.Shubnikova.
1zd.2., perer. i dop. Moskva, Zaochnyi finansovo-ekon.in-t.
Pt.1. 1961. 310 p. (MIRA 15:11)

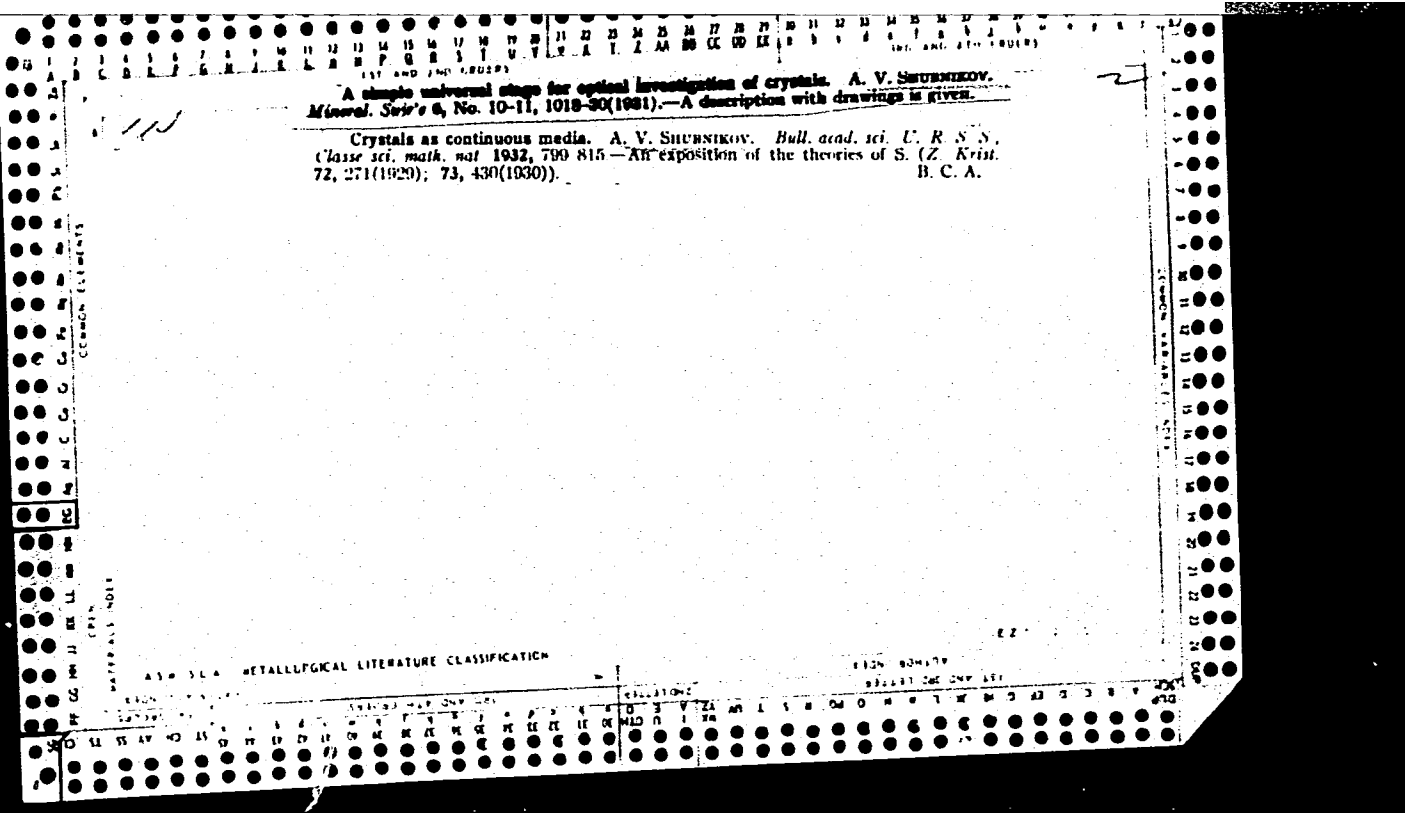
1. Zaveduyushchiy kafedroy materialovedeniya Moskovskogo insti-
tuta inzhenerov transporta im. Stalina (for Shubnikov).
(Materials)

SHUBNIKOV, Aleksey Kuz'mich, doktor tekhn. nauk; ISTOMIN, Lev Ivanovich,
inzh.; SOLOV'YEV, Nikolay Aleksandrovich, kand. tekhn. nauk;
POPOV, Viktor Mikhaylovich, kand. tekhn. nauk; SRIBNYI, V.M.,
retsenzent; SAMUSEV, V.P., red. izd-va; SHAFETA, S.M., tekhn.red.

[Planning and linear programming of coal supplying] Planirovanie i
lineinoe programmirovaniye uglesnabzheniya. Pod obshehei red. A.K.
Shubnikova. Kiev, Gostekhizdat USSR, 1962. 364 p. (MIRA 16:2)
(Coal)

SHUBNIKOV, A.K., doktor tekhn.nauk.prof.; LIVSHITS, N.Ye., inzh.

"Economical use of materials in construction for the transportation industry" by A.V. Kondrashov. Reviewed by A.K. Shubnikov, N.E. Livshits. Transp. stroi. 12 no.2:59-60 F '62. (MIRA 15:7)
(Building materials) (Construction industry--Costs)
(Kondrashov, A.V.)



PROCESSES AND PROPERTIES INDEX

— Figures of impact and pressure and mechanical twins of quartz. A. V. Shubaikov and B. V. Tsinkerling. *Tran. inst. Lomonosoff Gekhim., crist. mineral.* No. 3, 5-23 (1933).—The device for producing the figures of impact and pressure and the prepn. of sample are described. The forms of these figures are discussed in relation to the crystallography of quartz, and compared with those produced on glass. The impact figures had the same form and dimensions at equal products of the height of fall times the wt. of ball. The dimensions of the figures of pressure were in direct relation to the load and to the duration of action of the load. The form of the above figures is explained by: (1) cohesion (as defined by H. Terisch, *Z. Krist.* 81, 204 (1932)) along the rhombohedron 11011, and (2) parabolic form of the surface of maximal differences of tension (pressure and stretching) arising in the elastic body in compressing. By pressing a steel ball on the quartz surface a twin was produced, the form of which was related to the symmetry of the quartz. For the explanation of the mechanism of the twin-formation a hypothesis is proposed, uniting the Reich idea of dislocation, the Friedel common lattice and the Aminoff mobile and stationary zions. Fourteen references. A. A. P. 6

ASB-35A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	INDEXED	SERIALIZED	FILED

MAY 1964

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PROCESSES AND PROPERTIES INDEX

The identity of the concentration triangle with the gnomonic crystal projection. A. V. Shubnikov. *Tran. Inst. Lomonosoff acad. sci. U. R. S. S. 6*, 23-4(1935); *Neues Jahrb. Mineral. Geol., Referate 1*, 1936, 33.—If a chem. compd. is designated as $A_kB_lC_l$, where $k, l, l = 0, 1, 2$, to $B_kC_l = A_kB_lC_l$, this compd. in a ternary system diagram occupies the same position as the plane (h, k, l) in the gnomonic projection with (111) as a middle point. J. F. Schairer

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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SHUBNIKOV, Aleksey Vasil'evich.

The principles of crystallography Moskva, izd-vo Akademii nauk SSSR, 1940 486 p.
(44-34812)

QD905.S5

SHUBNIKOV, Aleksey Vasil'yevich

"The Latest Teaching on Symmetry and its Application," 1944