"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

CZECHOSLOVAKIA/General Problems of Pathology - Immunity. U

Abs Jour : Ref Zhur Biol., No 6, 1959, 27220

discovered in 2 of 6 cases, on synthetic- in 3 of 6 cases; maximum titer 1 : 8. In 29 CT of NR in which AG was added in vitro, AB were not discovered. CT of IR and NR was introduced to adult rabbits; in both cases AB against S. paratyphi B. were not produced in the recipient. After introduction to young rabbits of CT of NR to which in vitro AG was added in 10 of 19, AB were discovered in serum. Production of AB depended, apparently, on the presence of free AG in CT. -- V.M. Shapiro

Card 2/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.; TRNKA, Z.

Conditions essential for antibody formation by isolated cells after their transfer to newborn animals. J.hyg.epidem.,Praha 3 no.4:405-421 1959.

1. Division of Immunology, Institute of Biology, Czechoslovak Academy of Sciences, Prague.
(ANTIBODIES)
(SPLEEN transpl.)
(INFANT NEWBORN)
(EMBRYO)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.

Study of the inductive phase of antibody formation in tissue cultures. p. 91.

FOLIA MICROBIOLOGICA. (Ceskoslovenska akademie ved) Praha, Czechoslovakia. Vol. 4, no. 2, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959, Uncl.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

SHTERTSL', Yaroslav [Sterzl, J.] (Praga)

Inductive phase of antibody formation. Usp.sovr.biol. 48 no.3: 356-374 N-D '59. (MIRA 13:5)
(ANTIBODIES)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

EXCERPTA MEDICA Sec 4 Vol 12/12 Med. Micro. Dec 59

3876. PRESENCE OF ANTIGEN. A FACTOR DETERMINING THE DURATION OF ANTIBODY FORMATION BY TRANSFERRED CELLS - Sterzl J. Div. of Immunol., Inst. of Biol., Czechoslovak Acad. of Sci., Praha - NATURE (Lond.) 1959, 183/4660 (547-548) Graphs 2

Experiments on the formation of antibody by isolated spleen cells after inoculation into infant rabbits, chicks and chick embryos showed that only during the first 4 days after injection antibody formation was regularly produced. In a further series of experiments antigen was injected into ducklings at different intervals after the transfer of cells. The author concluded that the decrease in antibody formation may be explained by the absence of antigen.

Wolff - Amsterdam

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL,J.; KOSTKA,J.; RIHA,I.; MANDEL,L.

Attempts to determine the formation and character of -globulin and natural and immune antibodies in young pigs reared without colostrum. Folia microbiol 5 no.1:29-45 '60. (EEAI 9:6)

1. Department of Microbiology, Institute of Biology, Czechoslovak Academy of Sciences, Prague and Pig-breeding Research Institute, Kostelec n./Orlici.
(Gamma globulin) (Antigens and antibodies)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.; HOLUB, M.; MILER, I.

Effect of endotoxin on antibody response and resistance to infection in newborn animals. Folia microbiol 6 no.5:289-298 '61.

1. Department of Microbiology, Institute of Biology, Czechoslovak Academy of Sciences, Prague 6.

(TOXINS AND ANTITOXINS) (ANTIGENS AND ANTIBODIES)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.; TRNKA, Z.

Experimental evaluation of the hypothesis of the clonal selection theory of formation of antibodies. Cesk. epidem. mikrob. imun. 10 no.3:142-157 '61.

1. Mikrobiologicke oddeleni, Biologicky ustav CSAV.
(ANTIBODIES)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

SHTERTOL', Ya. [Sterzl', J.] (Praga)

Current problems in immunology. Usp.sovr.biol. 51 no.3:337-351 My-Je '61. (MIRA 14:6)

(IMMUNITY)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.

Development and mutual relation of specific immunity reactions. Vestnik CSAV 70 no.1:73 '61.

1. Oddeleni imunologie a lekarske mikrobiologie, Biologicky ustav, Ceskoslovenska akademie ved.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STYK, B.; MENSIK, J.; STERZL, J.; HANA, L.; BORECKY, L.

Cofactor and specific antibodies against influenza viruses. VI. The relationship of cofactor to the so-called natural antibodies as revealed by a study of sera from newborn pigglets. Acta virol. 6:519-523 '62.

1. Institute of Virology, Czechoslovak Academy of Sciences, Bratislava; Research Institute of Veterinary Medicine, Brno; Institute of Microbiology, Czechoslovak Academy of Sciences, Praha.
(INFLUENZA VIRUSES) (HEMAGGLUTINATION INHIBITION TESTS)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.; KOSTKA, J.; LANC, A.

Development of bactericidal properties against gram-negative organisms in the serum of young animals. Folia microbiol. 7 no.3:162-174 '62.

1. Department of Immunology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 6. (IMMUNE SERUMS) (GERM FREE LIFE) (BACTERIA)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

KOSTKA, J.; STEIGL, J.

The action of endotoxin on complement. Folia microbiol. 7 no.3: 191-192 '62.

1. Department of Immunology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 6.
(COMPLEMENT) (TOXINS AND ANTITOXINS)
(ESCHERICHIA COLI)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.; KOSTKA, J.; LANC, A., technicka spoluprace HOFMANOVA, B.; ZALOUDKOVA, D.

The nature of properties of bactericidal serum against gram-negative microorganisms. Cas.lek.cesk 101 no.3:65-71 19 Ja '62.

1. Mikrobiologicke oddeleni, Biologicky ustav, Ceskoslovenska akademie ved, Praha.

(BACTERIA) (BLOOD)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

CzECHOSLOVAKIA

STERZL, J., MD, Dr of Sci.

Prague, Vnitrni Lekarstvi, No 3, 1963, pp 212-218

"Contemporary Research on Auto-Immune Processes."

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.

Quantitative and qualitative aspect of the inductive phase of antibody formation. J.hyg.epidem. 7 no.3:301-318 '63.

1. Institute of Microbiology, Czechoslovak Academy of Science, Prague.

*

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.; KOSTKA, J.

Demonstration of small amounts of haemolytic antibody using low concentrations of red cells in the reaction system. Folia microbiol. 8: 60-61 '63.

1. Department of Immunology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 6.
(ERYTHROCYTES) (ANTIBODIES) (HEMOLYSIS)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.

Antibody formation by cells isolated from donors of different ages after transfer to young rabbits and to X-irradiated adult rabbits. Folia microbiol. 8 no.2:69-79 '63.

1. Department of Immunology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 6.
(ANTIBODY FORMATION) (SPLEEN) (RADIATION EFFECTS)
(BRUCELLA) (ANTIGENS) (APPENDIX) (LYMPHOID TISSUE)
(ANIMALS, NEWBORN)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.

The Opsonic Activity of Complement in Sera without Antibody
Folia microbiol. 8 no. 4:240-4 Jl '63

1Department of Immunology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague 6.
(COMPLEMENT) (ESCHERICHIA COLI) (ANTIBODIES)
(PHAGOCYTOSIS) (LIVER)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.; KOSTKA, J.

The technic for determining minimum numbers of antibodies.
Bratisl. lek. listy 43 no.2:110-119 '63.

1. Mikrobiologicky ustav CSAV v Praze, imunol. oddeleni, vedouci MUDr. J. Sterzl, Dr.Sc.
(ANTIBODIES) (ERYTHROCYTES) (HEMOLYSIS)
(COMPLEMENT)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STERZL, J.; PESAK, V.; KOSTKA, J.; JILEK, M.; with the technical cooperation of HOFMANOVA, B.

The relation between the bactericidal activity of complement and the character of the bacterial surfaces. Folia microbiol. (Praha) 9 no.5:284-298 S '64.

1. Department of Immunology, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague.4.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESEL', I.

Introduce plastics into industrial construction. Na stroi. Ros. 3 no.3:17-18 Mr '62. (MIRA 16:2)

1. Glavnyy inzh. tresta No.2 Saratovgaznefteprovodstroy. (Plastics) (Industrial buildings)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

GERASIMOV, I.D., inzh.; ROZHDESTVENSKAYA, V.A., inzh.; STESEL', I.Ye., inzh.

Mesh-reinforced concrete covering for a building with a span of 24 m. Prom. stroi. 39 no.3:35-37 '61. (MIRA 14:4)
(Saratov--Precast concrete construction)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESENKO, A.K., inzh.; LOBZHANIDZE, S.P., inzh.

Increasing the wear resistance of bushed and bushed-roller chains. Vest. mash. 38 no.1:27-30 Ja '58. (MIRA 11:1)
(Chains)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STETSENKO, A., inzh.; RABINOVICH, Ya., inzh.

Precast reinforced concrete hipped roof. Prom.stroi.i inzh.soor. 4 no.2:13-15 Mr-Ap '62. (MIRA 15:11)
(Roofing, Concrete) (Industrial buildings)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHALOV, A. (Moskva)

How to preserve negatives. Sov. foto 19 no.6:62-63 Je '59.
(MIRA 12:9)

(Photography--Negatives)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

KAPLUNOV, Rodion Pavlovich, professor, doktor; PROKOP'YEV, Yevgeniy Petrovich, professor, doktor; STARIKOV, Nikolay Antonovich, professor, doktor; BRICHKIN, Aleksandr Vasil'yevich, professor, doktor; MALAKHOV,G.M., professor, doktor, retsenzent; STESHENKO, A.I., retsenzent; NEDIN,V.V., professor, doktor, retsenzent; MARTYNOV,V.K., kandidat tekhnicheskikh nauk, retsenzent; ARSENT'-YEV,A.I., kandidat tekhnicheskikh nauk, retsenzent; KULIKOV,V.V., kandidat tekhnicheskikh nauk, retsenzent; DEMIN,N.S., doktor tekhnicheskikh nauk, retsenzent; TARASOV,L.Ya., redaktor; PARTSEVSKIY,V.N., redaktor; BEKKER,O.G., tekhnicheskiy redaktor

[Underground workings of ores and deposits] Podzemnaia razrabotka rudnykh i rossypnykh mestorozhdenii. Moskva, Gos.nauchno-tekhn. izd-vo lit-fy po chernoi i tsvetnoi metallurgii, 1955. 680 p.
(Mining engineering) (MLRA 9:3)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

Steshenko, A.I.

STESHENKO,A.I.; ZHURAVLEV,S.P.; TARAN,P.N.; KUDRYASHOV,K.V.; ZHUKOV,M.N.; BELYY,P.L.; KADYRVAYEV,R.A.; PASTUSHKIN,P.M.; SHOSTAK,A.G.; OSTROUKHOV,A.I.; POLONSKIY,M.I.; OSTROUKHOV,I.I.; LUGOVSKIY,S.I.; SEMENKO,P.I.; KHOROSHEV,O.V.; IBRAYEV,Sh.I.; NEYKOV,O.D.

"Dust control in the mines of Krivoy Rog Basin." V.V.Nedin. Reviewed by A.I.Steshenko and others. Gor.zhur. no.9:61-62 S '55. (MIRA 8:8)

(Krivoy Rog--Mine dusts) (Nedin,V.V.)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

15-57-10-14917

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10, p 263 (USSR)

AUTHOR: Steshenko, A. I.

TITLE: The Number of Ore-Blocks to be Worked Simultaneously (K voprosu o chisle odnovremenno deystvuyushchikh blokov)

PERIODICAL: Sb. tr. Krivorozhsk. gornorudn. in-ta, 1956, Nr 5, pp 38-41

ABSTRACT: The author gives examples of calculations of the number of simultaneous operations in ore-removal from blocks, considering the total quantity of the extracted ore in normal and preparatory operation, the necessary pay load, the sequence of shifts, and the choice of extraction area.

Card 1/1 no name

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

DUDNIK, O.; STESHENKO, A.; NEPYIVODA, F.; GOL'TSEV, Ye. [Hol'tsev, IE.], red.; MOLDCHADSKIY, O. [Moldchads'kyi, O.], tekhn. red.

[Cherkassy Province of the Ukraine; an account of its history, geography and economy] Cherkas'ka oblast' Ukrains'koi RSR; istoryko-geografichnyi narys ta ekonomichna kharakterystyka. [Cherkasy] Cherkas'kyi oblvydav, 1957. 124 p. (MIRA 11:7)
(Cherkassy Province)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

LUGOVSKIY, S.I., prof., doktor tekhn.nauk; BELASH, F.N., prof., doktor tekhn.nauk; STESHENKO, A.I., prof.; KITACH, G.M., dots.; GOLUBOV, N.A., dots.; MARTYNOV, dots.

V.V. Kulikova's article "Regular pattern of flow of loose materials.". Nauch.dokl.vys.shkoly; gor.delo. no.4:41-46 '58. (MIRA 12:1)

(Ore handling)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.I., prof.; GEL'MAN, D.Z., dotsent

Determining the annual output in working ore deposits. Sbor. nauch. trud. KGRI no.7:120-128 '59. (MIRA 16:9)
(Mining engineering)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.I., prof.

Calculation of the number of working faces in preparation through hard headings. Sbor. nauch. trud. KGRI no.13:53-54 '62. (MIRA 16:8)

(Mining engineering)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.I., prof.

Means of calculating the number of active blocks in the state of production. Sbor. nauch. trud. KGRI no.23:1?'63 (MIRA 17:8)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A. L.

Conference on problems of mechanizing construction, lowering costs and improving the quality of work. Vod.i san.tekh. no.4:35-36 Jl'55. (Sanitary engineering--Congresses) (MLRA 8:12)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.L.

Assembling sanitary engineering fittings. Vod. i san. tekh. no. 7:31-35 Jl '58. (MIRA 11:7)
(Czechoslovakia--Sanitary engineering)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

KURANOV, I.N.; NOVIKOV, S.N.; STESHENKO, A.L.

Installing industrial ventilation. Vod. i san. tekh. no.6:37-39 Je '59. (MIRA 12:8)
(Czechoslovakia--Factories--Heating and ventilation)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.L., inzh.

Gluing together steel pipes. Nov.tekh.mont. i spets.rab. v stroi. 21 no.1:35-36 Ja '59. (MIRA 12:1)
(Germany, East--Pipe, Steel)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.L., inzh., red.; STRASHNYKH, V.P., red. izd-va; KYAZANOV, P.Ye., tekhn. red.

[Technical specifications for the production and inspection of work on the assembly and installation of heat distribution networks (SN 108-60)] Tekhnicheskie usloviia na proizvodstvo i priemku rabot po ustroistvu teplovykh setei (SN 108-60) Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1960. 52 p. (MIRA 15:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Heating from central stations—Equipment and supplies)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

SVESHNIKOV, Ivan Petrovich, kand.tekhn.nauk [deceased]; STAROVEROV, Ivan Grigor'yevich, inzh.; BELOUSOV, V.V., inzh., retsenzent; STESHENKO, A.L., inzh., retsenzent, nauchnyy red.; NINEMYAGI, D.K., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Practical sanitary engineering] Proizvodstvo sanitarno-tekhnicheskikh rabot. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 476 p. (MIRA 14:3)
(Sanitary engineering)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

GOVOROV, V.P., nauchnyy red.; STESHENKO, A.L., nauchnyy red.; VINOGRADOVA, G.M., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Installing sanitary engineering equipment in industrial plants, apartment houses, and public buildings] Montazh vnutrennikh sanitarno-tekhnicheskikh ustroistv promyshlennykh, zhilykh i obshchestvennykh zdanii. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 221 p. (MIRA 15:2)

1. Nauchno-tekhnicheskoye obshchestvo stroitel'noy industrii SSSR.
(Sanitary engineering)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

LEBEDEV, I.T., inzh., starshiy nauchnyy sotrudnik; BULYCHEV, G.G., doktor tekhn.nauk, nauchnyy red.; STESHENKO, A.L., inzh., otv.red.

[Assembly design of a sanitary engineering system for apartment houses.] Montazhnoe proektirovanie sanitarno-tekhnicheskikh sistem zhilykh domov. Moskva, 1962. 50 p. (Moscow. Glavnoe upravlenie po zhilishchnomu i grazhdanskomu stroitel'stvu. Nauchnoe soobshchenie, no.37) (MIRA 18:11)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.L., inzh., red.; BELOUSOV, V.V., inzh., red.; MIZHERICHER, A.M., inzh., red.; STRASHNYKH, V.[illegible], red.; NAUMOVA, G.D., tekhn. red.

[Construction norms and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiizdat. Pt.3. Sec.G. ch.1. [Sanitary engineering equipment for buildings and installations; rules governing work and inspection] Sanitarno-tekhnicheskoe oborudovanie zdanii i sooruzhenii; pravila proizvodstva i priemki rabot (SNiP III-G. 1-62). 1963. 35 p. (MIRA 16:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroitel'stva Soveta Ministrov SSSR (for Steshenko). 3. Mezhduvedomstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil (for Belousov). 4. Proyektno-konstruktorskaya kontora Glavnogo upravleniya sanitarno-tekhnicheskikh i montazhnykh rabot Ministerstva stroitel'stva RSFSR (for Mizhericher).
(Sanitary engineering--Safety measures)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.P.

Physiological analysis of shock-hemorrhage conditions. Nauch. dokl.vys.shkoly; biol.nauki no.1:74-79 '59. (MIRA 12:5)

1. Rekomendovana kafedroy fiziologii vysshey nervnoy deyatel'nosti Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(SOUND--PHYSIOLOGICAL EFFECT) (SHOCK) (THYROID GLAND)
(CARBON DIOXIDE--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.P.

Physiological analysis of the protective effect of carbon dioxide during a hemorrhagic-shock state in rats. Nauch.dokl.vys.shkoly; biol.nauki no.3:107-111 '59. (MIRA 12:10)

1. Rekomendovana kafedroy fiziologii vysshey nervnoy deyatel'nosti Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.
(CARBON DIOXIDE--PHYSIOLOGICAL EFFECT)
(SOUND--PHYSIOLOGICAL EFFECT) (BLOOD PRESSURE)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A. P. Cand Bio Sci -- (diss) "Examination of the physiological mechanisms of neurogenic shock," Moscow, 1960, 19 pp, 200 copies (Moscow State U. im M. V. Lomonosov, the Biological-Soil Faculty) (KL, 48/60, 113)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

KRUSHINSKIY, L.V.; STESHENKO, A.P.; MOLODKINA, L.N.

The protective effect of carbon dioxide inhalation on the development of hemorrhagic shock conditions. Nauch.dokl.vys.shkoly; biol.nauki no.2:73-77 '60. (MIRA 13:4)

1. Rekomendovana kafedroy fiziologii vysshey nervnoy deyatel'nosti Moskovskogo gosduarstvennogo universiteta im. M.V. Lomonosova.
(CARBON DIOXIDE--THERAPEUTIC USE) (SHOCK)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.P.

Role of the initial arterial blood pressure in the development of the shock-hemmorrhagic state. Biul. eksp. biol. i med. 49 no. 4:33-35 Sp '60. (MIRA 13:10)

1. Iz laboratorii patofiziologii (zav. - doktor biologicheskikh nauk L.V. Krushinskiy) kafedry fiziologii vysshey nervnoy deyatel'nosti (zav. - prof. L.G. Voronin) Moskogo ordena Lenina gosudarstvennogo universiteta im. M.V. Lomonosova.
(BLOOD PRESSURE) (SOUND) (BRAIN--HEMORRHAGE)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.P.

Relation between the rate of death following neural traumas and the blood pressure level in hyperthyroidized rats. Nauch. dokl. vys. shkoly; biol. nauki no. 1:77-79 '61. (MIRA 14:2)

1. Rekomendovana kafedroy fiziologii vysshey nervnoy deyatel'nosti Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(BRAIN—HEMORRHAGE) (BLOOD PRESSURE) (THYROIDIN)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

[illegible]

[illegible] na [illegible] [illegible] [illegible] tad, [illegible] filiala akad, Mark SSSR, Vyp. [illegible], 1949, S. [illegible]-36

[illegible]: [illegible] Zhurnal'nych Statey, No. 49, 1949

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.P.

Biology and longevity of stipa glareosa in high-mountain parts of the Pamirs. Izv.Otd.est.nauk AN Tadzh.SSR no.1:41-49 '52. (MLRA 9:10)

1.Institut botaniki Akademii nauk Tadzhikskoy SSR. Pamirskaya biostantsiya.
(Pamirs--Stipa)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

[illegible]

"The Structural [illegible] of 'Sa[illegible]ishrubs' [Stunted Shrubs] of the Highlands of the [illegible]." Cand Biol Sci, Inst of Botany, Acad Sci USSR, Leningrad, [illegible]. (RZhBiol, No 1, Sep 54)

SO: Sum [illegible], [illegible] Mar 5[illegible]

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, Anastasiiy Petrovna; SIDORENKO, G.T., otvetstvennyy redaktor; VINOGRADSKAYA, S.N., redaktor izdatel'stva; FROLOV, P.M., tekhnicheskiy redaktor

[Improving desert pastures in the Pamirs] Uluchshenie pustynnykh pastbishch na Pamire. Stalinabad, Izd-vo Akademii nauk Tadzhikskoi SSR, 1954. 21 p. (Nauchno-populiarnaia biblioteka, no.28) (MLRA 9:8)
(Pamirs--Pastures and meadows)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, A.P.

Formation of undershrub growth forms in the high Pamirs. Izv. Otd.est.nauk AN Tadzh.SSR no.12:143-148 '55. (MLRA 9:10)

1. Pamirskaya biologicheskaya stantsiya Instituta botaniki AN Tadzhikskoy SSR.
(Pamirs--Alpine flora)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, Anastasiya Petrovna; OVCHINNIKOV, P.N., prof., otv.red.; SIDORENKO, G.T., red.; BATALOVA, M.A., red.izd-va; FROLOV, P.M., tekhn.red.

[Structural development of undershrub at higher altitudes in the Pamirs] Formirovanie struktury polukustarnichkov v usloviiakh vysokogorii Pamira. Stalinabad. Izd-vo AN Tadzh.SSR. 1956. 159 p. (Akademiia nauk Tadzh.SSR, Stalinabad. Trudy vol.50) (MIRA 12:6)

(Pamirs--Botany)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STASENKO, A.P.

Biology of newly collected seeds of plants in the Pamir Highland. Bot. zhur. 48 no.7:965-97[illegible] Jl '63. (MIRA 16:[illegible])

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
(Pamirs--Seeds)
(Pamirs--Germination)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STEBNENKO, A. I.

"The duration of the life of plants in the high mountains of the Pamirs."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

AS USSR, Moscow.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

[illegible], [illegible]

Morphology and some data on the age and life span of perennial grasses in the meadows of the Pamirs. Bundy Pam. biol. sta. 1: 2[illegible] '63. (MIRA 17:10)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

[illegible] : [illegible]
[illegible] : [illegible] animals.
The Honeybee.
[illegible] : [illegible], No. 3, 1959, No. 12120

Author : Steshenko, F. N.
Institut. : -
Title : The Role of Honeybees in the Cross Pollination of Grapes.

Orig. Pub. : Pchelovodstvo, 1958, No 5, 37-40

Abstract : The grape is a wind-pollinated plant but since it has a short blooming period (7-10 days) its pollination is sometimes insufficiently carried out in windless weather, fog, etc. In experiments performed in the South-Kazakhstanskaya and Alma-Atinskaya oblasts the bees were enticed to a better pollination of grapes by being supplementarily fed aromatized sugar and also repulsive feeds and by protein starvation; the harvest of Saperavi

Card: 1/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

COUNTRY : USSR
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1959, No.

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : [illegible] by [illegible] of [illegible] [illegible].

Card: 2/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

USSR / Human and Animal Morphology - Digestive Tract. S

Abs Jour : Ref. Zhur. - Biol., No. 22, 1958, No. 101429

Author : Steshenko, I. A.
Inst : North Osetin Medical Institute
Title : The Diversity of Forms of the Gastro-Pancreatic Peritoneal Ligament.

Orig Pub : Tr. Sev.-Osetinsk. med. in-ta, 1957, Vol. 6, 116-125.

Abstract : Autopsy studies of 100 cadavers of persons of varying ages and both sexes revealed a gastro-pancreatic ligament (GPL) in 72% of cases, and a pyloro-pancreatic ligament in 20%. A continuous GPL was found in 28% of cases. Usually it completely isolated both portions of the omental bursa, or separated the greater from the lesser omental sac (12%). In other instances the GPL

Card 1/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

USSR / Human and Animal Morphology - Digestive Tract. S

Abs Jour : Ref. Zhur. - Biol., No. 22, 1958, No. 101430

Author : Steshenko, I. A.
Inst : North Osetin Medical Institute
Title : The Topography of the Omental Bursa

Orig Pub : Tr. Sev.-Osetinsk. med. in-ta, 1957, Vol. 6, 153-162.

Abstract : On the basis of studies of 75 preparations, and of reviews of the findings reported in the literature, descriptions are offered of the special features of the omental bursa in man.

Card 1/1

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

USSR / Human and Animal Morphology (Normal and Pathological). Digestive System. S

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 12293

Author : Steshenko, I. A.
Inst : North Ossetian Medical Institute
Title : On the Morphology of the Mesocolon Sigmoideum of the Peritoneal Cavity.

Orig Pub : Tr. Sev.-Osetinsk. med. in-ta, 1957, 6, 163-167

Abstract : In 100 human cadavers, a recessus in the mesocolon sigmoideum ("mezhesobraznyy karman"; MS) was found 28 times. Its depth was 0.5-4 cm. The diameter of the external opening was in 6 cases 1.5-2.5 cm., in 10 cases 1-1.5 cm and in 12 cases less than 1 cm. MS of an oval form were noted in 54% of cases, round in 46%. One MS in the mesentery was discovered in 92.2% of

Card 1/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, I.A. (Krivoy Rog, pl. Stalina, d.1, kv.9)

Variants of the gastropancreatic ligaments. Nov.khir.arkh. no.6: 68-69 N-D '59. (MIRA 13:4)

1. Krivorozhskaya 3-ya gorodskaya bol'nitsa.
(LIGAMENTS)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

PIDPALYY, G.P. (Krivoy Rog); STESHENKO, I.A. (Krivoy Rog)

Combination of silicosis, tuberculosis and cancer of the lungs. Kaz. med. zhur. no.2:63-64 Mr-Ap '62. (MIRA 15:6)
(TUBERCULOSIS) (LUNGS--CANCER)
(~~LUNGS--DUST DISEASES~~)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

IMANSEITOV, P.; GOLYAYEV, Ye.; STESHENKO, M., inzh.

Training specialists. Avt. transp. 42 no.7:50-51 Jl '64. (MIRA 17:11)

1. Nachal'nik Upravleniya uchebnykh zavedeniy Ministerstva avtomobil'nogo transporta Kazakhskoy SSR.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

BUYAL[illegible], [illegible]; [illegible], V.; SAVRIEV, I., [illegible]; STESHENKO, M.; [illegible], I.

Outstanding workers. Avt. transp. 43 no.8:6 Ag '65.
(MIRA 18:9)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

AUTHORS: Ryabov, V. A., Barbarina, T. M., Steshenko, M. I., Kireyev, P. S., Sukhov, M. P. 72-58-3-14/15

TITLE: Rubberoid and Hydro-Insulating-Tapes Based on Glass Fiber (Ruberoyd i gidroizolyatsionnyye lenty na osnove steklovolokna)

PERIODICAL: Steklo i Keramika, 1958, Nr 3, pp. 43-47 (USSR).

ABSTRACT: The increased chemical stability, as well as the greater mechanical strength of glass fiber in comparison with organic fiber, makes it possible to use the former successfully as reinforcement for a series of products as rubberoid and other special tissues. Glass-fiber can also partly be used in concrete constructions in lieu of metal reinforcements, as referred to in the works by V. A. Ryabov, T. M. Barbarina, N. A. Sheludyakov and A. K. Burov, G. D. Andriyevskaya (reference 1). The manufacture of rubberoid and hydro-insulating tapes based upon glass fiber is worth noting in Czechoslovakia. This manufacture

Card 1/3

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

Rubberoid and Hydro-Insulating-Tapes Based on Glass Fiber. 72-58-3-14/15

is further fully described and explained by means of 4 figures. A matting which is used as semiproduct for the manufacture of rubberoid and other special, variously composed materials, is manufactured from agglutinated layers of oriented glass-fiber. The manufacture of layers of oriented glass-fibers with a movable glass-melting furnace (92o mm of length and 25o mm of diameter) is shown in figure 1, in which case the glass-raw-material is given, too. It is driven by an electric motor of 3 kW. The process of manufacturing a mat of glass-fibers is carried out in continuous production (figures 2 and 3) in which case the glass-fibers are both impregnated and dryed in a solution. The composition of the solution is given. The drying out is carried out in air at 1oo°. Impregnated mats of 115 to 125 m of length, 1 m of width and approximately 5oo mm of diameter which are subsequently used for the manufacture of rubberoid and hydro-insulating-tapes, are manufactured. This operation is carried out in progressive manufacture (figure 4) and consists again of impregnation with asphalt, the composition and preparation of which is fully described. The length of rubberoid and other tapes amounts to 2o m. No complicated equipment is required for the manufacture of these articles which are a cheap material of high quality for

Card 2/3

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

Rubberoid and Hydro-Insulating-Tapes Based on Glass Fiber 72-58-3-14/15

roofing and hydro-insulation. The authors recommend to introduce such a manufacture in the USSR.
There are 4 figures, and 2 references, 2 of which are Soviet.

1. Glass textiles--Applications 2. Insulation--Test results

Card 3/3

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

SEVAST'YANOV, Mitrofan Ivanovich; STESHENKO, N.N., red.; SHIROKOVA, M.M., tekhn. red.

[Placement of cables with voltages up to 35 kv. in industrial and public buildings] Prokladka kabelei napriazheniem do 35 kv. v promyshlennykh i grazhdanskikh zdaniiakh. Moskva, Gos.energ. izd-vo, 1961. 45 p. (Biblioteka elektromontera, no.54) (MIRA 14:12)
(Electric wiring, Interior) (Electric cables)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, Nikolay Nikitich; LEBEDEV, N.N., red.; SHIROKOVA, M.M., tekhn. red.

[Installation of flat wires]Montazh ploskikh provodov. Moskva, Gosenergoizdat, 1962. 44 p. (Biblioteka elektromontera, no.78) (MIRA 16:2)
(Electric wiring, Interior--Handbooks, manuals, etc.)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, N.N., inzh.

Installation of ATD electric motors. Stroi. truboprov. 8 no.8:28-30 Ag '63. (MIRA 16:11)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

RIBAS, Yuriy Mikhavlovich [deceased]; AKKERMAN, Fridrikh Markovich; FYATETSKIY, Grigoriy Yuzefovich; ARNOPOLIN, Aleksandr Grigor'yevich; STESHENKO, N.N., red.

[Explosionproof electrical equipment for the petroleum, gas, and chemical industries; a handbook-catalog] Vzryvozashchishchennoe elektrooborudovanie dlia neftianoi, gazovoi i khimicheskoi promyshlennosti; spravochnik-katalog. Moskva, Nedra, 1964. 158 p. (MIRA 17:12)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STESHENKO, Nikolay Nikitich; TARASOV, D.A., red.; ISAYEVA, V.V., ved. red.; VORONOVA, V.V., tekhn. red.

[Manual on the installation and repair of electrical systems on premises subject to explosion hazards in the petroleum and gas industry] Spravochnik po montazhu i remontu elektroustanovok vo vzryvoopasnykh sooruzheniiakh neftianoi i gazovoi promyshlennosti. Moskva, Izd-vo "Nedra," 1964. 419 p. (MIRA 17:3)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

MIBAS, Yuriy Mikhaylovich [deceased]; AKKERMAN, Fridrikh Markovich; PYATETSKIY, Grigoriy Yuzefovich; ARNGOLIN, Aleksander Grigor'yevich; SLESHENKO, N.N., red.

[Explosionproof electrical equipment for the petroleum, gas, and chemical industries] Vzryvozashchishchennoe elektrooborudovanie dlia neftianoi, gazovoi i khimicheskoi promyshlennosti; spravochnik-katalog. Moskva, Nedra, 1964. 158 p. (MIRA 18:1)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

BOGOMOLOV, A.G.; BRATSLAVSKIY, I.N.; LIKHIN, N.I., inzh., retsenzent; STESHENKO, N.N., inzh., red.

[Handbook on optional equipment] Spravochnik po nestandartnomu oborudovaniiu. Moskva, Mashinostroenie, 1965. 338 p. (MIRA 18:5)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

PROSKURYAKOV, Yu.G.; SHNEYDER, Yu.G., kand. tekhn. nauk, retsenzent; MALOV, A.N., prof., retsenzent; FEDOROV, V.B., kand. tekhn. nauk, retsenzent; STESHENKO, N.N., inzh., red.

[Hardening and sizing working methods] Uprochniaiushche-kalibruiushchie metody obrabotki; spravochnoe posobie. Moskva, Mashinostroenie, 1965. 205 p. (MIRA 19:1)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

ARKHIPETS, Ye.Ya. (Kiyev); BONDAROVICH, I.M. (Khar'kov); BULANOV, V.N. (Kiyev); GALUSKIN, V.B. (Kiyev); GOGOTSI, G.A. (Nikolayev); GORBUNOVA, N.N., (Kiyev); GORLITSKIY, B.A. (Kiyev); DYADYUSHA, G.G. (Kiyev); KATSNEL'SON, I.Ye. (Dnepropetrovsk); KVITCHUK, E.A. (Kiyev); KIRILLOV, I.A., (Krym) KONOPLYASOVA, N.S. (Chernovtsy); NIKOL'SKIY, V.V. (Kiyev); PONOMARENKO, A.A. (Stanislav); PESCHANSKIY, A.I. (Kiyev); POPOV, V.N. (Kiyev); PTASHNIKOVA, I.V. (Uzhgorod); STESHENKO, N.G. (Kiyev); CHAYKIN, M.M. (Vinnitsa); SHAPOSHNIKOVA, N.N. (Kiyev); SHPORTYUK, V.I. (Kiyev); YANKO, N.M. (Stalinskaya oblast'); SVECHNIKOVA, N., redaktor; SMORODSKIY, V., tekhnicheskiy redaktor

[Tourist routes through the Ukraine] Turistskie marshruty po Ukraine. Kiev, Izd-vo TsK LKSMU "Molod'," 1957. 368 p. (MIRA 10:8)
(Ukraine--Description and travel)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STASHKOV, N. V.

STASHKOV, N. V. -- "Investigation of the Solar Chromosphere on the Basis of Spectograms of the Eclipses of 25 February 1952 and 30 June 1954." Main Astronomical Observatory. Acad Sci USSR. Leningrad, 1955. (Dissertation for the Degree of Candidate in Physico-Mathematical Sciences)

SO: Annizhnaya Letopis', No 1, 1956, pp 102-122, 124

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

STRUMINSKIY, N.V.

3(1) PHASE I BOOK EXPLOITATION SOV/1391

Akademiya nauk SSSR. Astronomicheskiy sovet.

Polnyye solnechnyye zatmeniya 25 fevralya 1952 i 30 iyunya 1954 g. Trudy ekspeditsiy po nablyudeniyu zatmeniy (Total Eclipse of the Sun, February 25, 1952 and June 30, 1954. Transactions of the Expedition to Observe Solar Eclipses) Moscow, Izd-vo AN SSSR, 1958. 357 p. 1,200 copies printed.

Editorial Board: Pariyskiy, N.N., Candidate of Physical and Mathematical Sciences (Resp. Ed.); Kononovich, E.V. (Secretary); Kuz'min, A.D., Candidate of Technical Sciences; Mogilevskiy, E.I., Candidate of Physical and Mathematical Sciences (Deputy Resp. Ed.); Mustel', E.R., Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: Yegorova, N.B.; Tech. Ed.: Kashina, P.S.

PURPOSE: This book is intended for amateur and professional astronomers interested in eclipse phenomena.

COVERAGE: The present compendium is the fourth in a series published by the Academy of Sciences of the USSR on solar eclipses observed in the Soviet Union. The present collection reports on the results

Card 1/8

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

of observations obtained by scientific teams of 20 research institutions during the total solar eclipses of 1952 and 1954. The reports include studies of the sun's chromosphere, its total coronal brightness, monochromatic glow, structure, polarization photometry, and colorimetry. The results of studies on coronal radio emissions for various wavelengths and on the effect of the sun on the earth's atmosphere, based on the February 1952 and June 1954 eclipses, are presented. The individual articles are accompanied by tables, diagrams and bibliographic references.

TABLE OF CONTENTS:

Foreword 3

Krat, V.A. Gradients of Chromospheric Lines 5

Vyazanitsyn, V.P. Spectrophotometry of the Chromosphere, From Observations of the Total Solar Eclipse of 1952 7

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

Steshenko, N.V. Distribution of Chemical Elements and Electron Concentration in the Chromosphere (From Observations of the Total Solar Eclipse of February 25, 1952) 15

Steshenko, N.V. and Zemanek, Ye.Kh. Study of the Boundaries of the Chromospheric Lines of Hydrogen, Helium and Ionized Calcium 36

Koval', I.K. Total Coronal Brightness From Observations of Total Solar Eclipses of February 25, 1952 and June 30, 1954 49

Sharonov, V.V. Total Visual Photometry of the Solar Corona in 1952 and 1954 62

Sytinskaya, N.N. Photographic Evaluation of the Total Brightness and Color of the Solar Corona of 1954 in Yeysk 81

Kumsishvili, Ya.I. Radiometry of the Solar Corona During the June 30, 1954 Total Solar Eclipse 83

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

3,1550

81761
S/035/60/000/02/03/009

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 2, p. 48, # 1428

AUTHORS: Steshenko, N. V., Zemanek, Ye. N.

TITLE: An Investigation of Chromospheric Line Contours of Hydrogen, Helium and Ionized Calcium

PERIODICAL: V sb.: Polnyye solnechn. zatmeniya, 25 fevr. 1952 i 30 iyunya 1954, Moscow, AN SSSR, 1958, pp. 36-48

TEXT: The authors present the results of processing the observations carried out during the total solar eclipse on June 30, 1954, with the stationary solar spectrograph of the Astronomical Observatory of the Kiyev University (Kiyev was in the eclipse belt). To observe the eclipse, the spectrograph was equipped with four cameras for taking pictures simultaneously in four regions of the spectrum. The values of dispersion were as follows: 5.47 A/mm for H β -line (P_1 plate), 5.50 and 15 A/mm in the region of H and K lines of CaII (P_2 plate), 1.27 A/mm near helium line λ 5876 (P_4 plate), and 0.85 A/mm near the K-line (CaII) (P_3 plate which was used in the other order of the spectrum). The profiles of

Card 1/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

81761

S/035/60/000/02/03/009

An Investigation of Chromospheric Line Contours of Hydrogen, Helium and Ionized Calcium

the following lines were plotted: H and K of CaII, $H\beta$, $H\delta$, D_3 ($\lambda 5876$), for altitudes of 2,200, 5,200 and 8,000 km above the photosphere level. Doppler half-widths of the lines were determined, and assuming $T = 6,000^{\circ}$ K, the turbulent speed was calculated to be $\xi_t = 16.0$ km/sec. An attempt is made to interpret the profiles observed under the assumption that the luminosity of the chromosphere is due to scattering of solar radiation. There are 7 references.

E. Ye. Dubov

Card 2/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

22106
S/035/61/000/003/033/048
A001/A101

3,1540

AUTHOR: Steshenko, N.V.

TITLE: On determining magnetic fields of solar granulation

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 3, 1961, 53, abstract 3A454 ("Izv. Krymsk. astrofiz. observ.", 1960, v. 22, 49 - 55, Engl. summary)

TEXT: This is a report on the results of an attempt to determine magnetic fields of granules in undisturbed regions of the Sun. Both σ-components of the Zeeman splitting were photographed simultaneously, and this made it possible to exclude the influence of Doppler line displacements on the measurement results. The accuracy of measurements is restricted by air turbulence in the spectrograph causing the break of the lines by a magnitude attaining $\pm 8\ \mu$ (which corresponds to a field of ± 23 gauss). The measurement of 10 spectrograms warrants the following preliminary conclusions: longitudinal magnetic fields of individual granules, if any, do not exceed 40-60 gauss; groups of granules have longitudinal fields of 50-60 gauss strength coinciding with the spots of maximum radial velocities of granule groups. Author's summary

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

35077
S/712/60/023/000/011/014
D218/D301

3.1540 (also 1137)

AUTHORS: Steshenko, N. V. and Khokhlova, V. L.

TITLE: Helium emission of the chromospheric flare of September 14, 1958

SOURCE: Akademiya nauk SSSR. Krymskaya astrofizicheskaya observatoriya. Izvestiya, v. 23, Moscow, 1960, 322-330

TEXT: Spectrograms of the flare were obtained by A. B. Severnyy and the authors using the spectrograph of the solar tower telescope of the Crimean Astrophysical Observatory (dispersion 0.24 A/mm and 0.19 A/MM at λ6678 and λ3965 respectively). According to its brightness, the flare was estimated as being of importance 2^+. The flare was accompanied by strong radio emission at 1.5 m and 10 cm. The following results were obtained from the photometric profiles of the helium lines λλ3985, 5016, 6678, and 4713: Total half-widths: 0.21 - 0.23, 0.28 - 0.29, 0.39, 0.27 - 0.19. Equivalent widths relative to the continuum at the center of the disc: 0.0075 - 0.0165, 0.025 - 0.0342, 0.0296, 0.01 - 0.0106. It is estimated that

Card 1/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

all the above lines are free from self-absorption. An estimate is then made of the upper limits of the population densities. The outer absorbing layer projected on to the flare and self-absorption in the flare were allowed for in the interpretation of the D_3-line profile and in calculations of the 2^3P and 3^3D populations. It is noted that scattering of solar radiation cannot play a decisive role in the excitation of the upper levels of He I. The λ4686 (He II) line was also observed in the flare and the results for this line will be reported in a future publication, which will also include a qualitative estimate of the relative importance of various mechanisms of excitation of neutral and ionized helium. There are 4 figures, 1 table and 7 references: 4 Soviet-bloc and 3 non-Soviet-bloc. The reference to the English-language publication reads as follows: C. W. Allen, Astrophysical Quantities, London 1955.

SUBMITTED: May 1959

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

22387

S/035/61/000/005/020/042
A001/A101

3,1540

AUTHORS: Steshenko, N.V., Khokhlova, V.L.

TITLE: Emission of ionized helium in chromospheric flares

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 5, 1961, 53-54, abstract 5A352 ("Izv. Krymsk. astrofiz, observ.", 1960, v. 24, 258-276, Engl. summary)

TEXT: The authors plotted photometric profiles of He II emission line λ 4686 in two flares. They consider the fine structure of the line and relative intensities of components dependent on the excitation mechanism of the fourth level of He II. The profile of line λ 4686 is calculated for the case of its excitation at resonance absorption of hydrogen emission Lα. The calculated "resonance" profiles of λ 4686 at $\tau < 1$ agree well with the observed ones. The excitation mechanism of λ 4686 in flares is considered. It is shown that the determining part in excitation of the He II fourth level belongs to emission of Lα hydrogen, a somewhat lesser part is played by electronic impact. The solution of stationarity equations for the third and fourth levels of He II made it possible to calculate the population of these levels for various values of electronic temperature in the

Card 1/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

22387

S/035/61/000/005/020/042
A001/A101

Emission of ionized helium in chromospheric flares

flare. By comparing calculated and observed intensities of line $\lambda 4686$, flare temperature in the region of He II emission was determined as equal to 2.5×10^4 °K. The width of the line profile $\lambda 4686$ is determined not only by thermal speeds of helium ions but also by the presence of gas turbulent motions with speed $v_t = 10$ km/sec in the He II emission region. The comparison of widths of optically thin lines of neutral helium and line $\lambda 4686$ of He II in the same flares shows that temperature and turbulent speed in He II emission regions are higher than in the regions of neutral helium emission. There are 18 references.

Author's summary

[Abstracter's note: Complete translation]

Card 2/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

3.1250

78004
SOV/33-37-1-4/31

AUTHORS: Severnyy, A. B., Steshenko, N. V., Khokhlova, V. L.

TITLE: The Spectroscopy of Solar Flares With an Echelon Grating

PERIODICAL: Astronomicheskiy zhurnal, 1960, Vol 37, Nr 1, pp 23-31 (USSR)

ABSTRACT: An echelon grating was constructed in 1959 by F. M. Gerasimov of the GOI (State Optical Institute). The steps of the echelon are of thickness t = 0.0120 mm and width s = 0.0147 mm, making 50 lines per mm for light incident normal to the steps; then, if m is the order of the interference spectrum, and λ is the wave length, $m = 2t/\lambda$. With the spectrograph of the Krym Astrophysical Observatory this gives a dispersion three times greater than is necessary; to correct this the camera mirror with a focal length 1/3 of the original one was substituted.

Card 1/4

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

The Spectroscopy of Solar Flares With an Echelon Grating;

78004
SOV/33-37-1-4/31

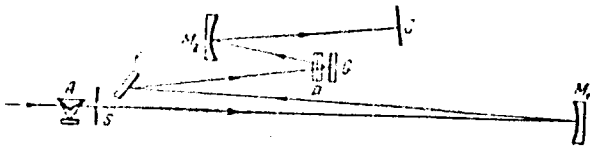

Fig. 2. Diagram of the spectrograph with an echelon grating.

Figure 2 shows the design where S is the slit; M_1, the collimation mirror; E, the echelon; P, a prism; and G, a grating designed to spread the spectra of various orders in a direction perpendicular to the plane of dispersion; M_2, the camera mirror; C, the plate holder; and A is a mirror compound which corrects the plane of atmospheric dispersion. This instrument

Card 2/4

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

The Spectroscopy of Solar Flares With an Echelon Grating

76004
SOV/33-37-1-4/31

is practically free from Rowland's "ghosts" and from scattered light. It is used for a simultaneous photography of the whole spectrum of short duration flares and "whiskers", while previously such photographs could not be obtained simultaneously. With exposures from 0.5 to 1.0 seconds, the spectrum is well exposed over the range from 3,200 to 6,600 A. During the summer of 1959, over 30 flares were photographed; three of these are reproduced here. The spectrum of a flare near the solar limb obtained on August 30, 1959, showed 11 emission lines of He; over 450 emission lines are shown on a photograph taken on August 17, 1959; there are listed in a table which indicates the intensities of the lines and of the same lines in Rowland's catalogue. The authors express their appreciation to F. M. Gerasimov who supplied an excellent copy of the echelon grating. There is 1 table; 5 figures; and 4 references, 1 Soviet, 3 U.S. The U.S. references are: J. T.

Card 3/4

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

The Spectroscopy of Solar Flares With an Echelon Grating

78994
SOV/33-37-1-4/31

Jefferies, F. Q. Orral, Astrophys. J., 127, 714, 1958; G. R. Harrison, J. O. S. A., 39, Nr 7, 522, 1949; Revision of Rowland, Preliminary Table of Solar Spectrum Wavelengths, Washington, 1928.

ASSOCIATION: Krym Astrophysical Observatory of the Academy of Sciences of USSR (Krymskaya astrofizicheskaya observatoriya Akademii nauk SSSR

SUBMITTED: November 2, 1959

Card 4/4

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

41282

S/035/62/000/010/031/128
A001/A101

AUTHORS: Babin, A. N., Luk'yanov, S. Yu., Severnyy, A. B., Sidorov, G. G., Sinitsyn, V. I., Steshenko, N. V.

TITLE: Investigation of hydrogen line broadening in a powerful pulse discharge

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 50, abstract 10A356 ("Izv. Krymsk. astrofiz. observ.", 1962, v. 27, 52 - 70)

TEXT: The authors have taken spectra of a powerful pulse hydrogen discharge by means of a spectrograph with a diffraction echelette-grating (dispersion ~1.5 A/mm). A spectrophotometric study of broadening of hydrogen emission wings (Hα - Hβ) leads to the following results: 1) In observations of spectra of a self-pinched column in perpendicular direction, emission of wings of hydrogen lines (extending to 30 - 40 A) proves to be broadened due to the linear Stark-effect (at the initial pressure p_o = 0.1 mm Hg); 2) at p_o = 0.5 mm Hg emission extends up to 50 - 80 A and is broadened in the wing mainly due,

Card 1/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

45125
S/712/62/027/000/006/015
A001/A101

AUTHORS: Steshenko, N. V., Khokhlova, V. L.

TITLE: He I excitation in chromospheric flares

SOURCE: Akademiya nauk SSSR. Krymskaya astrofizicheskaya observatoriya. Izvestiya. v. 27, 1962, 120 - 139

TEXT: Observations of flares with the spectrograph of the tower solar telescope of the Crimean Astrophysical Observatory have shown that appearance of emission He I lines on the solar disk is characteristic of intense flares. In the present article the authors analyze spectral observations of He I lines in flares, solve equations of stationary state, and determine, by comparing theoretical calculations with observations, physical conditions sufficient for origination of emission He I lines in flares. The results of photometric processing of two flares on the disk and one on the limb are presented in a table. The populations of He I levels are determined from the intensities of the lines and optical depth in these lines. The latter is determined from the ratio of the fine structure components of the orthohelium lines and by comparing the

Card 1/3

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

quantities for various parahelium lines. For the flare of September 14, 1958, the authors determined the upper limit of kinetic temperature from the width of optically thin lines; it turned out to be $(1.73 \pm 0.2) \times 10^4$ °K. Emission lines of metals Na, Mg, Ca, Ti and Fe were observed in the spectrum of this flare. The value of electronic concentration n_e was calculated to amount to 2×10^{13} cm^{-3}. Next was the problem of determining theoretical populations of He I lines, which was solved by taking into account the following processes: excitation by electronic impact, ionization by electronic impact, excitation by solar radiation, excitation by the flare emission proper, recombination, spontaneous transitions from the upper levels. The results of theoretical calculations are tabulated and compared with observations. It is concluded that helium emission lines originate in flares when electronic temperature attains $(1.7-2.0) \times 10^4$ °K and electronic concentration 10^{13} cm^{-3}. The absorption of X-ray radiation is considered as a possible mechanism of flare heating. The high-temperature core of the flare is assumed to be the source of intense X-ray radiation. The color temperature of the core which assures the necessary ratio of absorbed to passed amounts of X-ray radiation energies, is 5×10^6 °K, and the number of photoionizations of helium atoms by the hard emission of the flare core is 3×10^{11} cm^{-3}.

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

He I excitation in chromospheric flares

S/712/62/027/000/006/015
A001/A101

$\cdot sec^{-1}$. Therefore, core emission is the main cause of flare heating. The glow of the flare in various lines of the visible and ultraviolet regions is determined mainly by electronic impacts at temperatures $\approx (1 - 3) \times 10^4$ °K. There are 3 figures and 7 tables.

SUBMITTED: May 1961

Card 3/3

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

ACCESSION NR: AR4021617 S/0269/64/000/002/0059/0059

SOURCE: RZh. Astronomiya, Abs. 2.51.416

AUTHOR: Koval', A. N.; Steshenko, N. V.

TITLE: Comparison of certain spectral characteristics of proton and nonproton flare

CITED SOURCE: Izv. Kry*msk. astrofiz. observ. v. 30, 1963, 200-210

TOPIC TAGS: sun, chromospheric flare, solar flare, solar activity, proton flare, nonproton flare, solar spectrum, high-energy proton

TRANSLATION: The most interesting peculiarities of the spectra of 7 proton and 21 nonproton flares observed in 1957-1960 are discussed. It is shown that there is no essential difference in the character of the spectra of proton and nonproton flares nor in the conditions for excitation of lines of metals, the depth of centers of continuous emission and the distribution of intensity of continuous spectral emission. To a considerable extent proton flares differ only by having

Card 1/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9

ACCESSION NR: AR4021617

a higher intensity of all processes involved: broad emission line widths, intense movements of absorbing gases (dark surges, often in the form of "mustaches") and bright continuous emission. The identity of the spectra shows that those regions of a flare which determine the character of its visible spectrum scarcely are responsible for the generation of high-energy protons. Bibliography of 7 titles. Author's abstract.

DATE ACQ: 09Mar64 SUB CODE: AS ENCL: 00

Card 2/2

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653310012-9"