SHARONOV, I.V.

Environmental conditions and behavior of fishes in the afterbay of the Volga Hydroelectric Power Station (Lenin). Trudy Inst. biol. vnutr. vod no.6:195-200 '63.

Dynamics of age groups and growth of the pike perch in Kuybyshev Reservoir. Ibid.:201-216 (MIRA 18:1)

S/009/60/000/007/001/002
B027/B076

AUTHORS: Nikulin A. V., Sharonov L. V.

TITLE: Structure and oil productivity of Upper Tournaisian and Lower Visean deposits of southeastern Tatariya

PERIODICAL: Geologiya nefti i gaza, no. 7, 1960, 15-18

TEXT: In addition to the very large Devonian deposits in southeastern Tatariya there is a number of smaller oil deposits in the Upper Tournaisian and Lower Visean deposits. The Upper Tournaisian deposits consist of grey or greyish-brown limestone which is porous and saturated with oil; remains of marine fauna are present. Various foraminifera suggest that the Upper Tournaisian deposits were formed in the Kizel age. The Stalinogorskiy horizon consists mainly of sandstone mixed with clay. The lower boundary of the Tul'skiy horizon is not always clearly outlined; in the southeast the terrigenous Stalinogorskiy deposits are supplanted by carbonate accumulations with Tula fauna, of which large brachiopodes are characteristic; in the northwest terrigenous beds are present in the Tul'skiy horizon and completely replace the carbonates on the Popovskiy Plateau. The Tul'skiy

Card 1/2

CHAROLOV, L.V.

Basic characteristics of the structure of the carbonate formations of the Upper Devonian and Tournai stage in Perm Province. Trudy VNIGNI no.36:39-47 '63. (MIRA 17:9)

Shekhtman, L.V.; Yumashev, M.A.

New data on the geological structure and oil occurrences of reef massifs in the zone of Kama-Kinel' troughs (Perm Province and the Bashkir A.S.S.R.). Neftegaz. geol. i geofiz. no. 10: 8-11 '65. (MIRA 18:12)

1. Kamskiy filial Vsesoyuznogo nauchno-issledovatel'skogo geologorazvedochnogo neftyanogo instituta, Moskva, i Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.

[redacted], M.

33074. [redacted], I. [redacted], V. Opyt Kompleksnogo Proyekti,ro-vaniya dlya [redacted] zhilishchnogo stroitel'stva (Trest Gor-sanuyproyekt) Arkhitektura I Stroit t-vo, 1949 No. 10, S. 3-6

SO: Letopis' Zhurnal'nukh Statey, Vol. 42, Moskva, 1949

SHARONOV, M.N.; SKLYAR, V.T.; ROMANIV, V.V.

Possibility of using Gorbki bentonites as catalysts for cracking petroleum products. Bent. gliny Ukr. no.1:63-73 '55.
(MIRA 12:12)

1.L'vovskiy politekhnicheskiy institut.
(Transcarpathia--Bentonite) (Catalysts) (Cracking process)

POLISHCHUK, A.G.; SHARONOV, M.N.; SKLYAR, V.T.

Using bentonites from the Gorbki deposit for clarifying wines.
Bent. gliny Ukr. no.1:86-93 '55. (MIRA 12:12)

1.L'vovskiy politekhnicheskiy institut.
(Transcarpathia--Bentonite) (Liquids--Clarification)

15-57-7-9763

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7, p 151 (USSR)

AUTHOR: Sharonov, M. N.

TITLE: Origin of Petroleum (K voprosu o proiskhozhdenii nefti)

PERIODICAL: Nauchn. zap. L'vovsk. politekhn. in-ta, 1955, Nr 35, pp 165-177

ABSTRACT: Gases of magmatic origin are found in an elementary state, that is, in the form of H, C, O, and other atoms, in the depths of the earth's crust, where the temperature reaches 2000° to 3000° C. These gases, however, assume a molecular form at some points, under the action of certain temperatures, pressures, and catalyzing agents. Carbon and hydrocarbon also react with one another under these conditions, with formation of the radicals CH''', CH_2'', CH_3'.

Card 1/2

Subsequently, these may be acted on by certain catalyzing agents, very low temperatures, and interactions such as polymerization, condensation, hydro-dehydropolymerization of alkanes, dehydro-hydrogenation, incompletely saturated benzene and its products, etc. They may then form three classes of hydrocarbons: alkanes, cyclanes, and aromatic hydrocarbons of low, average, and high molecular weight, which enter into the composition of the benzene, kerosene, and oil fractions of petroleum. Transformation of buried organic substance begins with formation of cycloolefins; then, aromatic and cyclanic hydrocarbons develop as a result of redistribution of the hydrogen. Alkanic hydrocarbons form only as a result of reactions of hydro-dehydropolymerization of oxygen compounds and splitting of cyclical and other compounds.

Card 2/2

G. A. Gladysheva

SHLACHOV, M.M., Cand Tech Sci--(diss) "Catalytic properties of bentonite clays of Gorbsk deposits UkSSR." L'vov, 1958. 15 pp (Min of Higher Education UkSSR. L'vov Polytech Inst), 100 copies (KL,25-58, 11)

-127-

BODAN, A.N.; SHARONOV, M.N.

Catalytic effect of Gorbki bentonites on sulfur cracking distillates. Bent.gliny Ukr. no.3:51-61 '59. (MIRA 12:12)

1. L'vovskiy politekhnicheskiy institut.
(Transcarpathia--Bentonite) (Sulfur)

S/195/61/002/004/008/008
E194/E555

AUTHORS: Sharonov, M.N. and Zaykin, I.D.

TITLE: Dielectric measurements on surface active substances: 1. Determination of the permittivity of aluminium oxide, silica gel and industrial aluminium-silicate catalyst

PERIODICAL: Kinetika i kataliz, v.2, no.4, 1961, 581-583

TEXT: A liquid capacitor was constructed to determine the permittivity ε of solids by the immersion method (F.Schmidt - Ref.6: Ann.Phys., 64, 713, 1921) and was used to determine ε for aluminium oxide, silica gel and industrial aluminium-silicate catalyst in various conditions. The measurements were made with a Q meter type KB-1 (KV-1). The measuring capacitor was a brass cylinder 11 cm long of 3.6 cm internal diameter into which was screwed a plate with transparent plastic insulation. The plate formed a disc capacitor with the bottom of the vessel. The screw had a travel of 1 mm and the head was divided into 100 equal divisions, so that the distance between the plate and the bottom of the cylinder could be determined to within 0.01 mm. The measuring

Card 1/3

capacitor was calibrated on the following standard fluids: benzene toluol, chlorobenzene and dichlorethane. The calibrations were carried out at a frequency of 1.5 Mc/s and a temperature of 20°C. The capacitance of the capacitor empty was 16.3 pF. The temperature was controlled by placing the capacitor in a vacuum flask filled with water whose temperature was regulated to within ±0.2°C. The immersion fluids used were benzene, chlorobenzene and dichlorethane and the permittivities of mixtures of powder and liquid were found from the calibration curves. The equipment was checked on a material of known ε, namely, calcium chloride, which was first dried and cooled over phosphorous pentoxide. The value obtained $\varepsilon = 4.88$ at 20°C, is in good agreement with published data. The materials to be tested were first ground and sieved through a sieve with apertures of 0.1 mm; in each case 0.5 g of powder was used. Dielectric measurements were to be made on aluminium oxide, silica gel and aluminium silicate catalyst under three conditions: air dried; dried at 110°C for four hours; fired at 425°C for four hours. In the present work the absolute permittivities were not obtained for aluminium oxide under any conditions or for silica gel

SHARONOV, M.N.; ZAYKIN, I.D.

Dielectric measurements of surface-active agents. Part 1: Determination of the dielectric constant of aluminum oxide, silica gel, and an industrial aluminosilicate catalyst. Kin.i kat. 2 no.4:581-583 Jl-Ag '61. (MIRA 14:10)

1. L'vovskiy politekhnicheskoy institut, kafedra tekhnologii nefti i gaza.

(Catalysts—Electric properties)
(Surface-active agents—Electric properties)

FEL'DBLYUM, B.I., inzhener; SHARONOV, M.S., inzhener.

Safety measures in operating traveling jib cranes. Bezop.truda v prom. 1 no.5:21-22 '57. (MLRA 10:7)
(Cranes, derricks, etc.)

SHARONOV, M.S., inzh.; POKLONOV, V.Ye., inzh.

Safety requirements in converting passenger elevators to self-service. Bezop. truda v prom. 5 no.8:26-29 Ag '61. (MIRA 14:8)
(Elevators, Automatic--Safety measures)

OKOLOKOV, A.A., otv. red.; MARKIN, A.M., otv. red.;
BEREZOVSKIY, V.I., red.; DOLGUSHIN, N.I., red.;
KIRILLOV, I.Ye., red.; MIKHAYLOV, G.N., red.;
NEVZOROV, L.A., red.; NIKOLAYEVSKIY, G.M., red.;
ROZHDESTVENSKIY, V.A., red.; USHAKOV, P.N., red.;
KHODOV, M.P., red.; SHARONOV, M.S., red.

[Regulations for the design and safe operation of load-lifting cranes] Pravila ustroistva i bezopasnoi ekspluatatsii gruzopod"emnykh kranov. Moskva, Nedra, 1965. 127 p.
(MIRA 18:7)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.

SHARONOV, M.S., inzh.

Prevent accidents and injuries in operating cranes. Bezop.truda v prom. 7 no.1:16-17 Ja '63. (MIRA 16:2)

1. Upravleniye TSentral'nogo okruga Gosudarstvennogo komiteta pri Sovete Ministrov RSFSR po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomy nadzoru.
(Cranes, derricks, etc.—Safety measures)

SHARONOV, P., gvardii mayor, voyennyy letchik pervogo klassa

Demonstration is the best popularization method. Av. i kosm. 47 no.7:86-87 Jl '65. (MIRA 18:6)

SHARONOV, P., gvardii mayor, voyennyy letchik pervogo klassa

Methodological advice works out recommendations. Av. i kosm. 48 no.10:22-24 O '65. (MIRA 18:11)

[illegible] parametric and kinematic parameters of a cam gear on the wear of cam profile. Tezis. dokl. k-[illegible]. [illegible] 64.

SHARONOV, S.K. (Moskva)

Designing cam mechanisms taking into consideration the wear of cam profile. Mashinovedenie no.3:43-49 '65.
(MIRA 18:6)

SHCHUKINA, M.; BABENKOVA, K.; SHARONOV, V.

Let's align with the best. Okhr. truda i sots. strakh. 5 no.8:20-21 Ag '62. (MIRA 15:7)

1. Strakhovyye delegaty chasovogo zavoda, g. Orel.
(Orel--Clockmaking and watchmaking--Hygienic aspects)

SHARONOV, V.A.; FILATOVA, Ye.P.

Premature yellowing of gladioli. Biul. Glav. bot. sada no.30:86-90 '58. (MIRA 11:6)

1.Glavnyy botanicheskiy sad Akademii nauk SSSR.
(Gladiolus--Diseases and pests)

NAZAREVSKIY, S.I., kand.sel'skokhoz.nauk; BLAGOVIDOVA, M.S.; ZAYTSEVA, Ye.N.; KRASNOVA, N.S., kand.sel'skokhoz.nauk; LIPINSKAYA, Ye.V.; LIPSKAYA, T.V. [deceased]; SHARONOV, V.A., kand.biolog.nauk; FILATOVA, Ye.P.; TSITSIN, N.V., akademik, otv.red.; OGOLEVETS, G.S., starshiy nauchnyy sotrudnik, red.izd-va; YEGOROVA, N.F., tekhn.red.

[Ornamental perennials; brief results of introduction at the Main Botanical Garden of the Academy of Sciences of the U.S.S.R.] Dekorativnye mnogoletniki; kratkie itogi introduktsii v Glavnom botanicheskom sadu Akademii nauk SSSR, 1960. 333 p.
(MIRA 13:7)

1. Moscow. Glavnyy botanicheskiy sad. 2. Otdel tsvetovodstva Glavnogo botanicheskogo sada AN SSSR (for all, except TSitsin, Yegorova).
(Plants, Ornamental) (Moscow--Plant introduction)

SHARONOV, V.A.

Monoculture of gladioli and viability of their corms. Biul.Glav.bot. sada no.44:77-82 '61. (MIRA 15:2)

1. Glavnyy botanicheskiy sad AN SSSR.
(Gladiolus)

Shishov, V.V.

Measurement and calculation of horizontal daylight range of visibility. Uchenyye zapiski Leningr. os. un-ta [Academic papers of Leningrad State University] 53, 139).

SHARONOV, V. V. 606

1. SHARONOV, V. V.

2. USSR (600)

"Photographic observations of Mars at the time of opposition of 1939." Astron. Zhur., 17, No. 4, 1939. Pulkovo Observatory.

9. [redacted] Report U-1518, 23 Oct. 1951.

SHARONOV, V.V.

"The Practice of Application of the Measures of Visability," Iz. Ak. Nauk, SSR, Ser. Geograf. i Geofiz., Nos. 1-6, 1942

SHARONOV, V. V.

1. SHARONOV, V. V.

2. USSR (600)

"Brightness and color of the solar corona during the eclipse of 21 Sep 1941," Astron. Zhur., 19, No. 1, 1942. Kazan Affiliate of Leningrad University, Yelabuga.

9. [redacted] Report U-1518, 23 Oct. 1951

SHARONOV, V. V.

1. SHARONOV, V. V.

2. USSR (600)

"Calculating the beginning, end and duration of twilight taking into account cloudiness," Astron. Zhur., 19, No. 6, 1942. Branch of Leningrad State University, Yelabuga.

9. [redacted] Report U-1518, 23 Oct. 1951.

SHAKHOV, VSEVOLOD VASIL'YEVICH.

Nabliudenie i vidimost'. Moskva, Izd-vo Akademii nauk SSSR, 1943.
74 p., diagrs. (Akademiia nauk Soiuza SSR. Nauchno-populiarnaia seriia)
Title tr.: Observation and visibility.

QC385.S52

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

SHARONOV, V V

N/5
613.4
.S51

Vidimost' Dalekikh Predmetov i Ogney (Visibility of Distant Objects and Lights) Moskva, Voyenmorizdat, 1944.
457 p. Illus., Diagrs., Tables.
At Head of Title: Voyenno-Morskaya Akademiya im. Voroshilova.
AB 516518.

W E.

Propagation of Waves

1010 ILLUMINATION OF A HORIZONTAL PLANE AT TWILIGHT AND AT NIGHT (Observations for *D* Values from 0° to 18° and Various Cloud Conditions). W. W. Scharonow. (*Comptes Rendus (Doklady) de l'Ac. des Sci. de l'URSS*, 10th March 1944, Vol. 42, No. 7, pp. 296–300 in English.)

Among other results, it was found that at every value of *D* the horizon was rather brighter in the North than in the South, probably owing partly to the constant presence of a weak aurora and partly to zodiacal light. Values of the "weather coefficient" for summer and winter are given in Table 4. The measurements were made at Elabuga ($\lambda = 3^h\ 28^m$, $\phi = 55.8°$) in 1942.

SHARONOV, Vsevolod Vasil'evich, 1901

SHARONOV, Vsevolod Vasil'evich Tables of calculations of natural illumination and visibility. Moskva, Izd-vo Akademii nauk SSSR, 1945. 197 p. (51-27061)

QC369.L4

USSR/Meteorological Research Nov 1946
Clouds

"The Color of a Cloudy Sky," Prof V. V. Sharonov, 10½ pp

"Priroda" No 9 V. 36

Discussion on the color of a cloudy sky as a result of selective absorbtion and diffusion in different directions of light rays passing through the clouds and the influence of the layer of air between the observer and the cloud.

ID 27T73

Mars (Mars), Izd. Akademii Nauk SSSR, Moscow and Leningrad
1947, 100 pp.

SHARONOV, V. V.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 213 - I

BOOK Call No.: QC355.S5

Author: SHARONOV, V. V., Leningrad State University
Full Title: MEASUREMENT AND CALCULATION OF THE VISIBILITY OF DISTANT OBJECTS
Transliterated Title: Izmereniye i raschët vidimosti dalëkikh predmetov

Publishing Data

Publishing House: State Publishing House of Technical Theoretical Literature (OGIZ)
Originating Agency: None
Date: 1947 No. pp.: 284 No. of copies: 8,000
Editorial Staff
Editor: None Tech. Ed.: None
Editor-in-Chief: None Appraiser: None

Text Data

Coverage: The book is the result of the author's fifteen year work, practical and theoretical, in the field of visibility, and is based on all the information he could find in numerous sources, Russian and foreign. The text covers the visibility problem and its solution; the theory of horizontal visibility; the theory of visibility-meters; visibility-meters based on the principles of absorption, diffusion and optical superimposition, and on the photometric principle; practical methods of observation and the calculation of horizontal visibility.

1/2

Izmereniye i raschët vidimosti dalëkikh predmetov . AID 213 - I

From the practical point of view the book appears to have a certain value, because it accumulates theoretical conceptions and practical methods of determining horizontal visibility and describes many instruments, old and new. This compilation of a considerable number of sources, which otherwise can be found only dispersed throughout technical literature, seems to be useful.

Purpose: To bring together as far as possible all information available on the subject of horizontal visibility.

Facilities: The following men are mentioned for their theoretical works: Ambartsumian, V. A., Kastrov, V. G., Krat, V. A., Kuznetsov, E. S., Fesenkov, V. G., Fok, V. A. The following men are cited for their practical work: Berëzkin, V. A., Gershun, A. A., Piskun, V.A., Rityn', N. E., Faas, V. A. They devised different instruments and methods of observation.

No. of Russian and Slavic References: Very numerous, at the end of every chapter (1850-1944)

Available: Library of Congress.

SHARONOV, V.V., prof.

Computing visibility under given observation conditions. Vest. LGU 2 no.9:3-31 S '47. (MIRA 12:9)
(Visibility)

SHARONOV, V.V., prof.

N.N. Pavlov, professor at Leningrad University and 1947 Stalin Prize winner. Vest. LGU 2 no.9:163-164 S '47. (MIRA 12:9)
(Pavlov, Nikolai Nikiforovich, 1902-)

SHARONOV, V.V.

50T73

USSR/Meteorology Mar 1947
Weather - Clouds

"Distribution of Color in a Cloudy Sky," V. V. Sharonov, Leningrad Order of Lenin State U, 16 pp

"Izv Akad Nauk SSSR, Ser Geograf i Geofiz" Vol XI, No 2

Discusses distribution of color in sky entirely covered by thick cloudy layer of irregular brightness. Assumes that different regions of this layer emit radiant energy of one and the same spectral distribution, corresponding to usual gray color of cloudy sky, notwithstanding unequal brightness of the regions. Shows that under these conditions, dark

50T73

USSR/Meteorology (Contd) Mar 1947

regions of cloudy layer, observed from earth, seem bluish and bright regions, yellowish. In addition, saturation of color grows from zenith to horizon. Submitted by Academician L. S. Leybenzon.

50T73

SHARONOV, V. V.

Sharonov, V. V. - "Twilight as photometric and psychophysiological phenomena," Trudy Yubileynoy nauch. sessii (Leningr. gos. un-t), Sektsiya matem nauk, Podsektsiya astronomii, Leningrad, 1946, p. 57-60 - Bibliog: 5 items

SO: U-3600, 19 July 53, (Letop is 'Zhurnal 'nykh Statey, No.6, 1949).

SHARONOV, V.V.

Color of clouds and its origin. Meteor. i gidrol. no.4:5-16 '48.
(Clouds) (MLRA 8:2)

1. SHARONOV, V. V.

2. USSR (600)

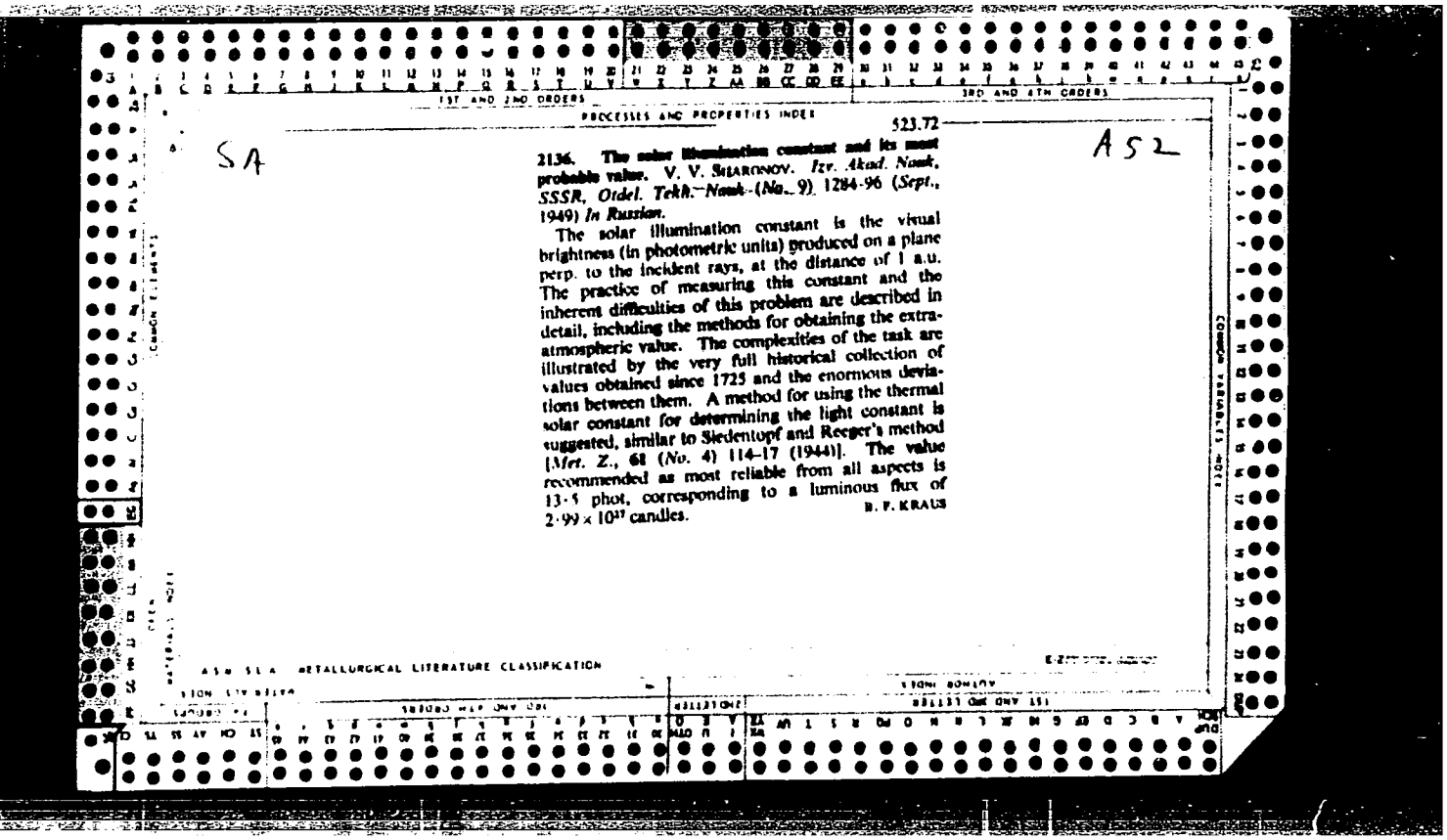
"Disphanescope, Its Theory, Examination, and Application." Trudy GGO, Issue 11, 1948(73-110)

9. Meteorologiya i Gidrologiya, No. 3, 1949. [redacted] Report U*2551. 30 Oct 52

SHARONOV, V.V., prof.

Study of the planets as an academic discipline. Vest. LGU 4 no.2: 7-31 Ap '49. (MLRA 12:7)

(Planets)



PROCESSES AND PROPERTIES INDEX

523.72

SA

A52

2136. **The solar illumination constant and its most probable value.** V. V. SHARONOV. *Izv. Akad. Nauk. SSSR, Otdel. Tekh.-Nauk* (No. 9) 1284-96 (*Sept.*, 1949) *In Russian.*

The solar illumination constant is the visual brightness (in photometric units) produced on a plane perp. to the incident rays, at the distance of 1 a.u. The practice of measuring this constant and the inherent difficulties of this problem are described in detail, including the methods for obtaining the extra-atmospheric value. The complexities of the task are illustrated by the very full historical collection of values obtained since 1725 and the enormous deviations between them. A method for using the thermal solar constant for determining the light constant is suggested, similar to Siedentopf and Recger's method [*Met. Z.*, 61 (*No.* 4) 114–17 (1944)]. The value recommended as most reliable from all aspects is 13·5 phot, corresponding to a luminous flux of $2{\cdot}99 \times 10^{27}$ candles.

B. F. KRAUS

A5 M 51 A METALLURGICAL LITERATURE CLASSIFICATION

USSR/Astronomy - Planets, Physics of Astrophysics Dec 49

"All-Union Conference on Planetary Physics," V. V. Sharonov, 4 pp

"Priroda" No 12

Conference, held at Khar'kov 21 - 23 May 49, was presided over by N. P. Barabashev, Dir, Khar'kov Astr Obs. Reports were heard on several aspects of planetary physics. Conference was held in accordance with resolutions passed at Dec 48 conference, reported in "Astronomicheskiy Zhurnal" No 1, 1949, and "Vestnik Leningradskogo Universiteta" No 1, 1949.

155T3

SHARONOV, V. V. (Prof.)

"Planet Study as a Scientific Discipline", Vestnik Leningradskogo Universiteta, Vol. 14, No. 8, pp 5-13, 1949.

SHARONOV, V.V., professor.

Colorimetric observation of Venus during the western elongation of 1948. Nauch. biul. Len. un. no.22:3-5 '49. (MLRA 10:4)

1. Kafedra obshchey astronomii.
(Venus (Planet))

SHARONOV, V.V., professor.

Experience in absolute photometry of noctilucent clouds. Nauch. biul. Len. un. no.22:6-7 '49. (MLRA 10:4)

1. Kafedra obshchey astronomii.
(Photometry, Astronomical) (Clouds)

Sharonov, V. V. "On the most probable value of the luminous equivalent of power," (Data of the 2nd Conference on Luminescent and use of Light Sources, Moscow, 17-22 May, 1948) Match. bylleten' Leningr. gos. un-ta im. Zhdanova, No. 22, 1949, p. 9-10

SO: U-4,93[illegible], 29 Oct 53, (Letopis' Zhurnal'nykh Statey, No. 1, 1949)

SHARONOV, V. V. PA 158T2

USSR/Astronomy - Photography Mar/Apr 50
Mathematics Applied

"Photographic Irradiation and Its Influence Upon the Photographs of Planetary Disks," V.V. Sharonov, Astr Obs, Leningrad State U, 7 pp

"Astron Zhur" Vol XXVII, No 2

Develops certain mathematical expressions describing influence of irradiation upon astrometric and photometric investigations of the moon's disk and planetary disks.

158T2

3.6-183 551.593.51

Sharonov, V. V., Novye dannye o "zelenom luche." [New data on the "green flash."] *Priroda*, Moscow, No. 7:50-53, July 1951. 3 figs., 9 refs. MH-BH—The first rays of sun at sunrise or the last at sunset are sometimes an intense blue-green color resembling that color in the spectral band of wave-length about 530μ. After vainly watching for the green flash for 30 years, the author finally observed it repeatedly 20 times from May 16 to June 10, 1950, at Sochi on the Black Sea, with the aid of power binoculars provided with gray light filters. Green flashes appear exclusively in sun-sets in the "aigrette" form, sometimes repeatedly up to 7 times with intervals from 5 sec. to 2 min. Such repeated flashes are connected with the deformation of the sun disk. After giving a detailed description of an example of deformation of the disk of the setting sun with a multiple (5 times) green flashing, together with a graph of its multiple deformations, the author discusses the possible causes of its origin, discards the existing hypotheses and asserts that the observed phenomena speak in favor of a certain monochromatic character of the green flash based upon the phenomenon of anomalous dispersion of light. *Subject Headings:* 1. Green flash 2. Sochi, U.S.S.R.—*A.M.P.*

GEO;

SHARONOV, V. V.

PA 192T6

USSR/Astronomy - Planets Sep/Oct 51

"Photometric Comparison of Crepuscular Phenomena of Earth and Venus," V. V. Sharonov, Astr Obs of Leningrad U

"Astron Zhur" Vol XXVIII, No 5, pp 382-387

Modern methods of limb effect are found insufficient by Soviet astronomers A. A. Nefed'yev, V. A. Bronshten, N. N. Mikhelson, V. N. Petrov, M. A. Klyakotko, N. M. Tayekina and G. P. Zvyagintseva for evaluation of atm height, may

192T6

USSR/Astronomy - Planets (Contd) Sep/Oct 51

rather be considered as psychophysiol impressions and should be substituted by photometric methods. Sharonov concludes that atm of Venus is 3-4 times higher than the terrestrial.

192T6

SHARONOV, Vsevolod Vasil'yevich, 1901- , doktor fiziko-matematicheskikh nauk, professor.

[Aerial ocean of the earth and planets] Vozdushnyi okean zemli i planet. Leningrad, 1952. 27 p. (MLHA 6:8)
(Atmosphere)

SHAROKOV, V.V.

Est' li zhizn' na drugikh planetakh? (Is there life on the other planets?), Voenizdat, Moscow, 1952, 46 pp.

[illegible], N. N.; Sharonov, V. V.

Moon - Surface

Photometric and clorimetric study of the moon's surface. Vest. Len.un. 7, No. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

1. SHARONOV, V. V.
2. USSR (600)
4. Eclipses, Solar - 1952
7. Solar eclipse of February 25, 1952. Astron. tsir. no. 12: 1952.

Cirkulyar

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

1. SHARONOV, V. V.

2. USSR (600)

4. Venus (Planet), Transit of

7. "Locomosov's phenomenon" and its importance in astronomy. Astron.zhur. 29 no. 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

1. SHARONOV, V. V., Prof.

2. USSR (600)

4. Moon - Surface

7. Probable state of the surface of the moon according to photometric and colorimetric data. Nauch biul Len un No 30 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

1. SHARONOV, V. V., Prof.

2. USSR (600)

4. Moon - Surface

7. Movement of shadows as a factor in the disintegration of the moon's surface. Nauch biul Len un. No 30 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

SHARONOV, V. V.

USSR (600)

Lakes - Abkhasia

Causes of coloration of the "Goluboe" (Blue) Lake., Priroda, 41, no. 1, 1952

9. Monthly List of Russian Accessions, Library of Congress, April 1953. Unclassified.

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VASSOYEVICH, N.B., prof., doktor geol.-miner.nauk; ANDREYEV, P.F., kand. khim.nauk; BELYAKOV, M.F., kand.geol.-miner.nauk; BARANOVA, T.E., nauchnyy sotrudnik; BUSHINSKIY, G.I., prof.; GEKKER, R.F., prof., doktor biolog.nauk; GROSSGEYM, V.A., kand.geol.-miner.nauk; ITENBERG, S.S., dotsent; KRISHTOFOVICH, A.N.; LYUBOMIROV, B.N., kand.geol.-miner.nauk; PORFIR'YEV, G.S., kand.geol.-miner.nauk; POKROVSKAYA, I.M., prof., doktor geol.-miner.nauk; RADCHENKO, O.A., kand.khim.nauk; RUKHIN, L.B., prof., doktor geol.-miner.nauk; TORGOVANOVA, V.B., gidrogeolog; USPENSKIY, V.A., kand.khim.nauk; FROLOV, Ye.F., kand.geol.-miner.nauk; FURSENKO, A.V.; KHAIN, V.Ye., prof., doktor geol.-miner.nauk; SHARONOV, V.V., prof., doktor fiziko-matem.nauk; YASHCHURZHINSKAYA, A.B., vedushchiy red.; SOKOLOVA, Ye.V., tekhn.red. (Continued on next card)

"Handbook for field geologists and petroleum prospectors." (Sputnik polevogo geologa - neftianika.) Leningrad, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, Leningr. otd-nie. 1952. 504p. (MIRA12:12)

SHARONOV, V. V.

USSR/Astronomy - Venus' Atmosphere, 21 Jan 52
Refraction by

"Determining the Horizontal Refraction in Venus' Atmosphere From Observations of the Lomonosov Phenomenon," V. V. Sharonov

"Dok Ak Nauk SSSR" Vol LXXXII, No 3, pp 351-353

The insignificant angle of refraction ($w=4''$) obtained by Lomonosov's method is found in contradiction with the large magnitude of Venus' crepuscular arc, which is of the order 5-6° according to observations of the lengthening of

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the horns realized on the dark background. To explain this contradiction requires the introduction of special hypotheses, e.g., it can be assumed that the aerosol layer is a comparative thin "shell" floating high in Venus' atm above the surface. Submitted by Acad O. Yu. Shmidt 29 Nov 51.

211T4

1. SHARONOV, V. V.

2. USSR (6[illegible])

4. Venus (Planet)

7. Probable structure of the atmosphere of Venus. Astron. tsir., No. 125, 1952.

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Sun - Corona

Visual determination of the color of the solar corona on February 25, 1952, Astron. tsir. No. 125, 1952.

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SHARONOV, V. V.

Eclipses, Lunar

Normal course of a picture of a lunar eclipse in relation to phase. Astron. tsir. no. 130, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

1. [illegible], [illegible].

2. USSR (600)

4. Eclipses, Lunar

7. Conference on [illegible] for observing lunar eclipses. Astron. Tsir. No. 13[illegible], 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

SHARONOV,V.V.; SYTINSKAYA,N.N.

Studying the reflecting capacity of the lunar surface. Uch. zap.Len.un. no.153:114-154 '52 (MLRA 8:6)
(Moon--Temperature and radiation)

SHARONOV, V.V., professor; KADER, Ya.M., redaktor.

[Observation and visibility] Nabliudenie i vidimost'. Moskva, Voen. izd-vo Ministerstva oborony SSSR, 1953. 95 p. (MLRA 7:8)
(Military reconnaissance)

SHARONOV, V.V.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 323 - I

Call No.: AF617726

BOOK
Author: SHARONOV, V. V.
Full Title: THE SUN AND ITS OBSERVATION, 2nd edition
Transliterated Title: Solntse i yego nablyudeniye, 2 izdaniye
Publishing Data
Originating Agency: None
Publishing House: State Publishing House of Technical and Theoretical Literature
Date: 1953 No. pp.: 219 No. of copies: 15,000
Editorial Staff
Editor: None Tech. Ed.: None
Editor-in-Chief: None Appraiser: None
Text Data
Coverage: The text is divided in 2 parts: 1) descriptive, with the results of observations, and 2) instructive, covering the simplest heliographic observations which can be made by university students and non-specialists without complex apparatus. General descriptions of the heliograph of D. D. Maksutov (twice Laureate of the Stalin Prize) and of the celestat (system of reflecting mirrors in an observa-

1/3

Solntse i yego nablyudeniye, 2 izdaniye AID 323 - I

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Ch. II	Photosphere and Phenomena Observed on it	52-88
Ch. III	Outer Layers of the Sun	89-123
	INSTRUCTIVE PART	
Ch. IV	Technique of Observations of the Photosphere	124-145
Ch. V	Statistics of Solar Activity	146-162
Ch. VI	Determination of the Coordinates of Sun-Spots	163-205
Ch. VII	Study of the Structure and Development of Spots	206-216
	Literature	219

Purpose: The book is dedicated to general observers and members of staffs of special observatories.

Facilities: Several names mentioned in the text.

No. of Russian and Slavic References: (after 1939) 13

Available: A.I.D., Library of Congress.

SHARONOV, V.V., doktor fiziko-matematicheskikh nauk.

Achievements of Soviet planetary studies. Vest.AN SSSR 23 no.5:34-37 My '53. (MLRA 6:7) (Planets)

SHARONOV, V. V. Sep/Oct 53

USSR/Astronomy - Colorimetry

"Visual Colorimetric Comparison of Planets with Sun," V. V. Sharonov, Astron Observatory, Leningrad

Astron Zhur, Vol 30, No 5, pp 534-539

Compiles the color excess, i.e., the difference of color indexes of the planets and the sun, using photometric characteristics of the specified objects. Tabulates results. Recd 3 Jun 53.

Source #264T72

SHARONOV, V.V., professor.

"Illustrative albedo" as an expression of the reflectivity of solar system bodies. Nauch.biul.Len.un. no.31:6-7 '53.
(MLRA 10:3)

1. Kafedra obshchey astronomii.
(Albedo) (Solar system)

SHARONOV, V.V.

Colorometric observations of Venus and Jupiter. Astron.tsir. no.138:7 My '53. (MLRA 7:1)

1. Astronomicheskaya observatoriya Leningradskogo universiteta. (Venus (Planet)) (Jupiter (Planet))

SHARONOV, V.V.

Problem of the effect of the atmosphere on observable dimensions of planets and sattelites. Astron.tsir. no.142:3-5 S '53.(MLRA 7:7)

1. Astronomicheskaya observatoriya Leningradskogo Universiteta.
(Planets) (Satellites) (Atmosphere)

SHARONOV, V.V.

BARABASHEV, N.P. predsedatel' planetnoy komissii; SHARONOV, V.V., professor,

Some considerations on the organization of photographic, photometric, and colorometric observations of the planet Mars during its 1954 opposition. Astron.tsir. no.143:20-21 N '53. (MLRA 7:8)

1. Deystvitel'nyy chlen AN USSR (for Barabashev) 2.Zamestitel' predsedatelya planetnoy komissii (for Sharonov)
(Mars (Planet)--Opposition, 1954)

SHARONOV, V.V.

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[Solar eclipse of 30 June 1954] Solnechnoe zatmenie 30 iiunia 1954 goda. Moskva, Izd-vo "Znanie", 1954. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. III, no.7) (MLRA 7:5)
(Eclipses, Solar)

SHARONOV, V.V.

Photometric study of the nature of plantes and satellites. Usp. astron.nauk 6:181-249 '54. (MLRA 7:8)
(Photometry, Astronomical) (Planets) (Satellites)

SHARONOV, V.V.

General theory of visual and photographic visibility of the details of a planetary disc. Vest.Len.un. 9 no.11:33-46 N'54. (MLRA 8:7)
(Planets--Observations)

SHARONOV, V. V.

AID P - 848

Subject : USSR/Astronomy

Card 1/1 Pub. 8 - 7/13

Author : Sharonov, V. V.

Title : An Experiment in Petrographic Study of the Moon's Surface by Simultaneous Application of Photometric and Colorimetric Observations

Periodical : Astron. zhur., v. 31-5, 442-452, S-O 1954

Abstract : Statistical comparison is made of the lunar surface with terrestrial rocks and meteorites for brightness and color. No coincidence in these curves can be established. A hypothesis is adopted that the lunar surface is covered with porous bubbly slag formed from basic rocks under the explosive impacts of meteorites. Diagram, several graphs, 3 tables, 22 references of which 18 are Russian.

Institution : Astron. Observ. of Leningrad University

Submitted : N 17, 1953

SHARONOV, V.V., professor.

Evaluating hypotheses of the presence of salt deposits on the planet Mars from the photometric point of view. Nauch. biul. Len. un. no.32:4-6 '54. (MLRA 10:4)

1. Kafedra obshchey astronomii.
(Mars (Planet)) (Salts) (Photometry, Astronomical)

SHARONOV, V.V.

POLOSKOV, S.M., kandidat fiziko-matematicheskikh nauk.

Popular book about the sun ("The sun and its observation." V.V.Sharonov. Reviewed by S.M.Poloskov). Priroda 43 no.7:119-120 Jl '54. (MLRA 7:7)

(Sun) (Sharonov, Vsevolod Vasil'evich, 1901-)

SHARONOV, V.V.

New method for improving visual observations of planetary disks. (MLRA 8:3)
Astron.tsir. no.152:13-14 S '54.

1. Astronomicheskaya observatoriya Leningradskogo Universiteta.
(Planets)

SHARONOV, V. V.

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Integral colorimetry of Jupiter in 1954. Astron.tsir. no.152: 14-15 S '54. (MLRA 8:3)

1. Astronomicheskaya observatoriya Leningradskogo Universiteta.
(Jupiter (Planet))

SHARONOV, V.

Visual colorimetry of the solar corona on June 30, 1954. Astron. tsir. no. 153:7 O '54. (MLRA 8:5)

1. Astronomicheskaya observatoriya Leningradskogo Universiteta.
(Sun--Corona)

SHARONOV, V.

Observation of the lunar eclipse of July 15-16, 1954. Astron. tsir. no.153:8-9 O '54. (MLRA 8:5)

1. Astronomicheskaya observatoriya Leningradskogo Universiteta.
(Eclipses, Lunar--1954)

SHARONOV, V.V., professor, doktor fiziko-matematicheskikh nauk

Improved method of the universal wedge method photometer. Svetotekhnika 1 no.5:12-16 0'55. (MLRA 8:12)

1. Leningradskiy gosudarstvennyy universitet
(Photometry, Astronomical)

SHARONOV, V.V., professor.

Current tasks in astronomical observations of Mars and other planets. Trudy Sekt.astrobot. AN Kazakh.SSR 4:55-61 '55. (MLRA 9:12)
(Mars (Planet)) (Planets--Observations)

SHARONOV, V. V.

KRISHTOFOVICH, A.N. [deceased]; L'VOV, V.Ye.; MARKOV, A.V., professor; KOROLEV, A.V.; GOLOSNITSKIY, L.P.; OGORODNIKOV, K.F., professor; EYGENSON, M.S., professor; LOZIN-LOZINSKIY, L.K., professor; VOROB'YEV, A.G., professor; KOZLOVA, K.I.; KAZENNOV, B.A.; SUSLOV, A.K.; GEL'FREYKH, G.B.; VASIL'YEV, O.B.; LICHKOV, B.L., professor; SYROMYATNIKOV; KUTYREVA, A.P.; KATTERFEL'D, G.N.; SYTINSKAYA, N.N.; SHARONOV, V.V.; SUVOROV, N.I.; KUCHEROV, N.I.; TIKHOV, G.A.; GORSHKOV, P.M.

Addresses by A.N.Krishtofovich and others. Trudy Sekt.astrobot.AN Kazakh.SSR 4:68-157 '55. (MLRA 9:12)

(Mars (Planet))

SHARONOV, V.V.

Meeting devoted to the nature of the moon's surface. Vest.Len. un 10 no.8:168-169 Ag '55. (MIRA 9:1)
(Moon--Surface)

SHARONOV, V.V.

Colorimetric study of the moon. Part 1. Visual colorimetry of integral lunar light. Vest.Len.un. 10 no.11: 113-120 N '55. (MLRA 9:3)
(Colorimetry) (Moon)

Astronomy Observatory - Leningrad University

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Atmosphere of Venus. Nauka i zhizn' 22 no.2:30-32 F '55. (MLRA 8:3)
(Venus (Planet))

SHARONOV, V.V., professor.

The question of M.V. Lomonosov's priority in the discovery of the atmosphere of Venus. Nauch. biul. Len. un. no.33:12-15 '55. (MLRA 10:4)

1. Kafedra obshchey astronomii.
(Lomonosov, Mikhail Vasil'evich, 1711-1765) (Venus (Planet))

SHARONOV, V.V.

New visual determinations of the color of the moon. Astron.tsir. no.157:19-20 F'55. (MLRA 8:10)

1. Astronomicheskaya observatoriya Leningradskogo universiteta
(Moon--Color)

SHARONOV,V.

Integral colorimetry of Saturn in 1954. Astron.tsir. no.159:20 My '55. (MLRA 8:12)

1. Astronomicheskaya observatoriya Leningradskogo universiteta
(Saturn (Planet))

SHARONOV, V.

Visual colorimetric observations of Venus in 1954. Astron.tsir. no.161:12-13 Jl'55. (MLRA 8:12)

1. Astronomicheskaya observatoriya Leningradskogo universiteta (Venus(Planet))

SHARONOV,V.

Direct visual colorimetric comparison of Mars and the Sun. Astron. tsir. no.161:13-14 Jl'55. (MLRA 8:12)

1. Astronomicheskaya observatoriya Leningradskogo Universiteta
(Mars (Planet)) (Sun)