DEMIDOVICH, I.F.; BELEN'KII, Yu.Yu.

Design of a pneumatic suspension for heavy motortrucks. Avt.prom.
no.9:14-16 S '60. (MIRA 13:9)

1. Minskiy avtomobil'nyy zavod.
       (Motortrucks—Springs)
Z. S. Belen'kii.

The Avalanche Processes In The Caucasus.

State Printing House of Theoretical Literature, Moscow, 1940, 243 pages.

BELENKO, B.P.

Improving the performance of the S-30 saturator. Ferm. i spirt., prom., 31 no.2; 34-35 '65. (MIRA 18:6)

1. Sortavalskiy pivovirennyy zavod.
Methodology for calculating beer losses. *Spirtv. Prom.* 29 no. 4; 33–35 '63. (KIRA 16:5)

1. Sortaval'skiy pivovarennyy zavod.
   (Brewing industry—Accounting)
DIREKCIJA, S.D.

Pećine - neznane bres.
Pelelovojsko, no. 1, 1952
BELMO, I.G.

Modernization of lathe equipment for high speed metal cutting.
Pod-umnik, no. 3, 1952
Cutter tool in high-speed machining of bearing rings on multiple-tool semi-automatic and automatic lathes.
Feodosivka, no. 4, 1952
Efficient machining of bearing rings on multiple-tool automatic lathes and semi-automatic machines.
Polishniy, no. 5, 1928
1. BELENKO, I. S., Eng.
2. USSR (600)
4. Lathes

7. Study of the productivity of the turret lathe in the process of operation.
   Podshipnik No. 8, 1952.

1. BELENKO, I. S.; BERSHTIUK, I. L.

2. USSR (600)

4. Turning


BELENKO, I. S., Eng.

Metal Cutting

Using cutters with ceramic blades in finishing lathe operations, Podshipnik No. 3, 1953

Belenko, I.S., inzhener.

Machining of bearing parts according to size on semi-automatic lines. Podshipnik no. 7:17-22 JL '53.

(MRA 6:8)

(Bearings (Machinery))

SO: SUM 318, 23 Dec 1954
BAYKOV, S.P., kand. tekhn. nauk; BELYANOVA, I.S., kand. tekhn. nauk;
BELKOVA, S.F., inzh.; BELYANCHIKOV, M.P., inzh.; BERZINSKII,
I.L., inzh.; BOGORODITSKII, D.D., inzh.; BOLCHOVITINOV, Ye.V.,
kand. tekhn. nauk; BORZOGOV, I.M., kand. tekhn. nauk;
VLADIMIROV, V.B., inzh.; VOLDKOV, P.D., kand. tekhn. nauk;
GERASIMOV, N.N., inzh.; ZHUKOVITSKII, A.F., inzh.;
KABANOV, M.F., inzh.; KANEVSKII, V.N., kand. tekhn. nauk;
KOLETSNIKOVA, I.V., inzh.; KONDAKOV, I.M., inzh.;
KUZNETSOV, I.P., kand. tekhn. nauk; L'VOV, D.S., kand.
tekhn. nauk; LISENKO, I.Z., kand. tekhn. nauk; MAKAROV,
L.M., inzh.; OLEINIK, N.D., inzh.; RABINER, Ye.G., inzh.;
ROZHENSTEVSKII, Ya.L., kand. tekhn. nauk; SAKHON'KO, I.M.,
kand. tekhn. nauk; SIDOROV, P.N., inzh.; SPITSYN, N.A., prof.,
doktor tekhn. nauk; SPRISHEVSKII, A.I., kand. tekhn. nauk;
CHUDIKOV, V.T., kand. tekhn. nauk; SHEIN, A.S., kand. tekhn.
nauk; MIBERG, N.Yu., nauchny red.; BLAGOSKLONOVA, N.Yu., inzh.,
red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Antifriction bearings; manual] Podshipniki kacheniiia; spravochnoe posobie. Moskva, Gos. nauchno-tekhnik. izd-vo mashino-
stroit. lit-ry, 1961. 828 p. (MIRA 15:2)

(Bearings (Machinery))
BARANOV, A.F., redaktor; BIZYUKIN, D.D., redaktor; VAKHNIN, M.I., otvetstvennyy redaktor toma, professor, doktor tekhnicheskikh nauk; VEKRENOV, E.N., redaktor; IVLITOV, I.V., redaktor; MOSCHUK, I.D., redaktor; RUDNOY, Ye.F., glavnyy redaktor; SOKOLNISHKIY, Ya.I., redaktor; SOLOGUBOV, V.M., redaktor; SHILKEVICH, V.A., redaktor; ALTROV, A.A., inshener; ANASHKIN, B.T., inshener; APFANOV, Ye.V., laureat Stalinskoj premii, inshener; BELLING, K.M., detsent; BORISOV, D.P., detsent, kandidat tekhnicheskikh nauk; ZHIL'TSOV, P.N., inshener; ZEBAK, N.R., inshener; IL'JENKO, V.I., detsent, kandidat tekhnicheskikh nauk; KAZAKOV, A.A., kandidat tekhnicheskikh nauk; KRAYZHER, L.P., kandidat tekhnicheskikh nauk; KOTLYARENOV, N.F., detsent, kandidat tekhnicheskikh nauk; MAYSHYEV, P.V., professor, kandidat tekhnicheskikh nauk; MARKOV, N.V., inshener; NELEPETS, V.S., detsent, kandidat tekhnicheskikh nauk; NOVIKOV, V.A., detsent; ORLOV, A.A., inshener; PETROV, I.I., kandidat tekhnicheskikh nauk; PIVKO, G.M., inshener; POGODIN, A.M., inshener; PANKAJ, P.N., detsent, kandidat tekhnicheskikh nauk; ROKIINSKIY, V.N., kandidat tekhnicheskikh nauk; RAZABTEDEV, B.S., laureat Stalinskoj premii, detsent, kandidat tekhnicheskikh nauk; SHABASHKIN, A.A., inshener; VEIDMAN, A.B., inshener; SHASHIN, V.A., laureat Stalinskoj premii, inshener; SHUR, B.I., inshener; GONCHUKOV, V.I., inshener, retsenent; NOVIKOV, V.A., detsent, retsenent; APFANOV, Ye.V., laureat Stalinskoj premii, retsenent.

BRYLEEV, A.M., laureat Stalinskoy premii, inzhener; GAMBURG, Ye.Tu., in-
zhener, retsensent; GOLOVKIN, M.K., inzhener, retsensent; KAZAKOV, A.A.,
kandidat tekhnicheskih nauk, retsensent; KUT'IN, I.M., dtsent, kandi-
dat tekhnicheskih nauk, retsensent; LECHOV, A.A., inzhener, retsensent;
SEMINOV, N.M., laureat Stalinskoy premii, inzhener, retsensent; GHER-
NYSHOV, V.E., inzhener, retsensent; VALUYEV, G.A., inzhener, retsensent;
METZAS, N.A., laureat Stalinskoy premii, inzhener, retsensent; NOVI-
KOV, V.A., dtsent, retsensent; PIVOVAROV, A.L., inzhener, retsensent;
POGODIN, A.M., inzhener, retsensent; KHODOROV, L.R., inzhener, retsens-
ent; PIVOVAROV, A.L., inzhener, retsensent; POGODIN, A.M., inzhener,
retsensent; KHODOROV, L.R., inzhener, retsensent; SHUPLOV, V.I., kan-
didat tekhnicheskih nauk, retsensent; KLYIKOV, A.F., inzhener, retsens-
ent; YUDZEN, D.M., tekhnicheskii redaktor; VERINA, G.P., tekhnicheskii
redaktor.

[Technical handbook for railroad men] Tekhnicheski spravochnik she-
legenooroshnika. Vol. 8. [Signaling, central control, block system, and
communication] Signalizatsiya, tsentralizatsiya, blokirovka, avia'.
transp. shel-dor. isd-vo, 1952. 975 p. (Card 2)

(Railroads--Signaling) (Railroads--Communication systems)

(Railroads—Communication systems)
BEJNIKO, Konstantin Mikhaylovich; PIVKO, G.M., insh., red.; KHITROV, P.A.,
tekhn. red.

[Overhead and cable communication lines] Vozdushnye i kabel'nye
linii sviazi, Moskva, Gos. transp. zhel.-dor. izd-vo, 1958, 190 p.
(Telephone lines) (Telephone cables) (MIRA 11r7)
Treatment of pulmonary tuberculosis with phthivamide inhalations.
Vrach. delo no.11:141-142 N '62.

1. Oblastnoy protivotuberkuleznny dispanser g. Nikolayeva, pervaya bol'nitsa g. Nikolayeva, tuberkuleznnye otdeleniye i detskiy tuberkuleznny sanatoriya No.1 g. Nikolayeva.

(TUBERCULOSIS) (PTHIVAMIDE)
Belenko, L. I.

Cand Biol Sci - (diss) "Growth changes in the innervation of large arteries of the human being." Kiev, 1961. 13 pp; (Academy of Sciences Ukrainian SSR, Inst of Zoology); 200 copies; price not given; (KL, 10-61 sup, 210)
Belniko, L.I. (Dnepropetrovsk, 20, ul. Chkalova, 4, kv. 8)

Development of the nervous apparatus of the large human arteries in embryogenesis. Arkh. anat., gist. i embr. 43 no. 12: 42-49 D'62

1. Kafedra gistologii i embriologii (zavr. - prof. O.S. Lisogor)
AUTHORS: Yatsunov, I. A., Belenko, M. D.

TITLE: Certain Characteristic Features of Melting Aluminum-Magnesium Glass Using Aluminum Hydroxide (Nekotorye osobennosti varki alyumomagnezial'nego stekla s primeneniyem gidrata okisi alyuminyya)

PERIODICAL: Steklo i keramika, 1958, Nr 8, pp. 37-39 (USSR)

ABSTRACT: The Kiyev Factory for Glass Containers used a soda-sulfate charge with introduction of Na₂O through soda and sulfate at a ratio of 65:35. The chemical composition of the other materials is mentioned in Table 1. Because of the high iron content in the raw materials the glass ware was produced of semihite glass. The main mass of the iron oxide is introduced into the glass by vulcanic ashes. It was decided to replace the same by aluminum hydroxide from the Ural Aluminum Plant, and to decrease the amount of Na₂O introduced through sulfate to 15%. In this factory the glass is molten in a tank furnace; the melting surface is 100 m² and its working surface is 26 m². The natural gas of the Dashavo deposit (90% CH₄ and 2% C₃H₈) is used. The maximum melting temperature amounted to 1460 ± 100 in the case of a charge of 75% and a waste of 25%. In order to avoid an
Certain Characteristic Features of Melting Aluminum-Magnesium Glass Using Aluminum Hydroxide

Abrupt change of the glass properties it was decided to replace the volcanic ashes by aluminum hydroxide gradually in the course of 3 weeks. After raising the melting temperature to $1480 \pm 10^3$ and decreasing the addition of Na$_2$O through sodium sulfate the furnace worked well for the time being. After an operation of one and a half months the waste by stone inclusions in the finished product suddenly increased considerably. Together with the Scientific Research Laboratory of the Administration of Faience, Porcelain and Glass Industry (Nauchno-issledovatel'skaya laboratoriya Upravleniya farforo-fayansovoy i steklovnoy promyshlennosti) chemical and petrographic investigations were carried out. The chemical composition of the defective material investigated is mentioned in table 2. The chemical analyses were carried out by the chemist of the Kiev Factory for Glass Containers A.F. Khomenko (Ref 1). The investigations of the sections showed a peculiar character of the mineral formation. Under the assumption that the inclusions were caused by an incomplete melting of aluminum hydroxide the added amount of aluminum hydroxide was reduced from 3,2 to 2,3%. Besides, the
Certain Characteristic Features of Melting Aluminum-Magnesium Glass Using Aluminum Hydroxide

aluminum hydroxide was dried in a steam drying plant at 100° and was sieved through a sieve with 81 holes/cm². After three days the waste decreased from 20 to 6.8%, and further to 1.1%. The authors recommend the following composition of the glass: 72-72.8% SiO₂; 2-2.2% Al₂O₃; 6.7-8.7% CaO+MgO; 15.8-16% B₂O₃. The editor recommends a sieve with 144-196 holes/cm², a previous mixing with soda as well as the introduction of 0.4-0.5% P, which would imply a reduction of the Al₂O₃ and would exert a favorable effect on the glass properties. There are 2 tables.

ASSOCIATION: Kiyevskiy steklotarnyy zavod (Kiyev Factory for Glass Containers)


Card 3/3
BRICHKIN, A.V., prof., RELENKO, N.P., - inzh.
Stresses in thermal rock drilling. Izv. vys. ucheb. zav. geol.
zhurn. no. 2: 79-86 '61.
(MIRA 14:3)
1. Kazakhskiy gornometallurgicheskiy institut, Rekomendovana
kafedroy razrabotki rudnykh mestorozhdeniy Kazanskogo gornometallurgicheskogo instituta.
(Boring)
BRICHKIN, A.V., prof.; BELENKO, N.P., inzh.


1. Kazakhskiy politekhnicheskii institut. Rekomendovana kafedroy razrabotki rudnykh mestorozhdeniy. (Boring)
BRICHKIN, A.V.; BELENKO, N.P., inzh.; SHESTYUK, B.I., inzh.

Parameters of the supersonic gas jet in thermal drilling. Izv. vys. ucheb. zav.; gor. zhur. 5 no.1:90–97 '62. (MIRA 1514)


(Boring—Equipment and supplies) (Jetel)
BRICHTIN, A.V., prof., doktor tekhn.nauk; HELENKO, N.P., kand.tekhn.nauk;
tekhn.nauk; SHERSTYUK, B.F., inzh.

Experimental studies of the parameters of the stream of a jet-
piercing burner. Izv. vys. ucheb. zav.; gor. zhur. 6 no.3:
52-58 '63. (MIRA 16:10)

1. Kazakhskiy politekhnicheskiy institut. Rekomendovana kafedroy
razrabotki rudnykh mestorozhdleniy. 2. Chlen-korrespondent AN
KazSSR (for Brichkin).
BELENKO, V.I.; BELENKO, R.M.; KRYLOV, A.G.; PANFEROV, I.M.;
ROMANOVA, G.V.; SENTSOLA, Yu.I.; SHILKINA, Z.S.

Zvenigorod Station of the Astronomical Council of the
nabl. isk. sput. Zem. no.33:29-33 '63. (MIRA 17:7)

l. Zvenigorodsky stantsiya Astronomicheskogo soveta AN SSSR.
Results of Satellite Observations

ABSTRACT: Observations were made on the satellite 1960 L during August and October 1961. A NAFA-3a/25 camera was used. The observer was A. G. Krylov. Measurements were made on a KIM-3 microscope by R. M. Belenko, I. M. Panferov, and G. V. Romanova. Computations were made by the Kiselev method for two sets of three reference stars and by the Turner method. Yu. Ye. Sentsova did the calculations on the Ural computer. Observation times were reduced to standard time. The last column of the table shows possible maximal error in coordinates because of unreliability of locating optical center within 1 cm. V. I. Belenko and Z. S. Shilkina participated in the work. Results of 125 observations are given in a table, part...
L 27196-65
ACCESSION NR: AT5003597

of which is reproduced on the Enclosure. Orig. art. has 1 table.

ASSOCIATION: Zvenigorodskaya stantsiya Astronomicheskogo soveta AN SSSR
(Zvenigorodka Station of the Astronomical Council AN SSSR)

SUBMITTED: 17Feb63
ENCL: 01
NO REF SOV: 000
OTHER: 000

Card 2/3
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BELENKO, V.I.; BELENKO, B.M.; KRYLOV, A.G.; PANFEROV, I.M.;
ROMANOVA, G.V.; SENTSOVA, Yu.Ye.; SHILKINA, Z.S.

Station of the Astronomical Council of the Academy of Sciences
(MIRA 17:7)

1. Stantsiya Astronomicheskogo soveta AN SSSR.
Title: Observations on the satellites 1961 $\varepsilon_1$, 1961 $\xi_1$, 1961 $\pi_1$, 1961 $\tau_1$, and 1960 $\lambda_1$.

Source: AN SSSR, Astronomicheskii sovet. Byulleten' stantsiy opticheskogo

Observations were made on the indicated satellites in August, September,
and October 1961. A NAFA 3g/25 camera was used, and the observer was A. G. Krylov.
Measurements on the KIM-3 microscope were made by R. M. Belenko, G. V. Romanova,
and I. M. Panferov. Computations were made by the Kiselev method by means of two
sets of three reference stars and by the Turner method. Computations on the Ural
computer were made by Yu. Ye. Sentsova. Observation times were reduced to standard
time. The last column of the table shows maximum possible error in coordinates.
because of unreliability of determining optical center within 1 cm. V. I. Belenko and Z. S. Shilkina participated in the work. Results of 118 observations are given in a table, part of which is reproduced on the enclosure. Orig. art. has 1 table.

ASSOCIATION: Stantsiya Astronomicheskogo sovet'a AN SSSR (Station of the Astronomical Council, AN SSSR)

SUBMITTED: 29 Dec 62
ENCL: 01
NO. RESP. S.D.: 000
OTHER: 000

Card: 2/3
Station of the Astronomical Council, AN SSSR

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Card 3/3
TITLE: Results of Satellite Observations

SOURCE: Academicheskiy Bulletin. Byulleten' stantsiy opticheskogo
nabliudeniya iskusstvennykh sputnikov Zemli, no. 36, 1963, 24-62

TOPOGRAPHY: artificial satellite, satellite tracking camera, satellite track
analysis, satellite 1961 \( \alpha \), satellite 1961 \( \alpha_1 \), satellite 1962 \( \alpha_1 \), satellite
1960 \( \alpha_2 \), satellite 1960 \( \alpha_2 \), satellite 1960 \( \xi_2 \), NASA 38/25 camera, KIM 3 microscope,
UTM 21 microscope, Ural 1 computer.

ABSTRACT: Observations were made in April, May, and June 1962 on the satellites
1961 \( \alpha \), 1961 \( \alpha_1 \), 1962 \( \alpha \), 1960 \( \alpha_2 \), 1960 \( \xi_2 \), and 1962 \( \xi_2 \). The observers were
A. G. Krylov (indicated by II in the table) and V. A. Yurevich (I in table). Both
used NASA 38/25 cameras. Measurements were made by R. M. Belenko (with a KIM-3
microscope) and I. M. Panferov (with a UTM-21 microscope). Processing was done by
the Turner method, by Yu. Ye. Sentsova using a Ural-1 electronic computer. For
Card 1/3.
control of the computed coordinates, the coordinates of one reference star were
determined, along with the coordinates of points on the satellite track. The next
to the last column of the table shows deviation of the computed coordinates of the
reference star from the coordinates given in the Boss catalogue, if these deviations
exceed 6". Observation times were reduced to standard time by Z. S. Shilkina.
Results of 85 observations are presented in a table, partially reproduced in the
Enclosure. Orig. art. has: 1 table.

ASSOCIATION: Astronomicheskiy sovet AN SSSR (Stantsiya No. 1072) (The Astronomical
Council of the AN SSSR (Station No. 1072))

SUBMITTED: 16Nov63  ENCL: 01  SUB CODE: BY, DC
NO REP SOV: 000  OTHER: 000
The Astronomical Council of the AN SSSR
(Station No. 2072)

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<td>34°51'00&quot;</td>
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Card 3/3
Plaster-solution pump designed by the Southern Institute of Building Research. Mekh. trud. rab. 7 no.11:43–44 D '53. (MLA 6:12) (Pumping machinery) (Plastering)
2033 Belenko, S.N.

All-purpose jack. Rats. i izobr. predl. v stroi. no.110: 28-30 '55. (MIRA 8:10) (Lifting jacks)
Akademiya nauk SSSR. Astronomicheskii sovet


Sponsoring Agency: Astronomicheskii sovet Akademii nauk SSSR.

Resp. Ed.: Ye. Z. Gindin; Ed.: D. Ye. Shchegolev; Secretary: O. A. Severnaya.

PURPOSE: This bulletin is intended for scientists and engineers concerned with optical tracking of artificial satellites.

COVERAGE: The bulletin contains six articles, two of which deal with the construction and operating principles of two new semiautomatic telescopes for tracking satellites. Two other articles are concerned with the reduction of data from photographs and the determination of satellite orbital parameters.

Card 1/4
The remaining articles discuss visual satellite observations and the results of photographic observations of the satellites 1958 5 and 1958 5 2. No personalities are mentioned. There are 2 references: 1 Soviet and 1 English.

TABLE OF CONTENTS:

Tiit, V. M. [Institut fiziki i astronomii AN ESSR, Tartu — Institute of Physics and Astronomy of the Academy of Sciences of the ESSR, Tartu]. A New Satellite-Tracking Instrument LIJN-3

Eynasto, Ya. E. [Institut fiziki i astronomii AN ESSR, Tartuskii gosudarstvenny universitet — Institute of Physics and Astronomy of the Academy of Sciences of the ESSR, Tartu State University]. Semi-automatic Telescope for Observation of Satellites

Pirago, B. A. [Glavnaya astronomicheskaya observatoriya AN SSSR, Pulkovo -- Pulkovo Main Astronomical Observatory of the Academy of Sciences of the USSR]. On Considering the Apparent Rotation of the Celestial Sphere While Determining the Coordinates of Satellites With the Aid of Photographs Taken With Azimuth Cameras

Almar, I., and D. Pal. [Astronomic Observatory of the Academy of Sciences of Hungary]. A New Method of Visual Satellite Observation by Means of AT - 1 Telescopes

Turchaninova, E. V., and L. M. Sherbaum. Results of Photographic Observations of Artificial Earth Satellites (Positions of the Sputniks 1958 $d_1$ and $d_2$ According to Photographic Observations at the Astronomical Observatory of Kiyev State University)


Card 3/4
Academy of Sciences (Cont.)

Corrections to Bulletin 1960 No. 3

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Card 4/4

AC/dvm/mas
10-20-61
Determining time and positions of artificial earth satellites
by photographs taken with the KPP camera with moving film
designed by Panaiotov [with summary in English]. Biul. sta. opt.
naib. isk. sput. Zem. no. 5: 10-11 '60. (MIRA 13:11)

1. Astrosovet, Moskva.
   (Astronomical photography) (Artificial satellites--Tracking)


1. Stantsiya Astronomitcheskogo soveta AN SSSR.
   (Artificial satellites—Tracking)
Visual satellite observation with a shutter. Biul.,sta.,opt.,nahl., isk.,sput.,Zem., no.28:3-6 '62. (KIRA 15:12)

1. Zvenigorodskaya stantsiya Astronomicheskogo soveta AN SSSR. (Artificial satellites—Tracking)
ERATYCHUK, M.V.; BLENKO, V.I.; KRYLOV, A.G.; SENTSOVA, Yu.Ts.;
YUREVICH, V.; TUMANYAN, B.Ye.; KHARIN, B.T.; CHEVYAKOVA, A.P.;
BERUCHKA, Yu.I.; PLIUSHENIKOV, V.Kh.; SHILKINA, Z.A.

Results of photographic observations of artificial satellites.

(MIRA 15:12)
1. Nachal'nik Uzhgorodskoy stantsii nabliudeniya iskusstvennykh
sputnikov Zemli (for Eratychuk), Stantsiya Astronomicheskogo
soveta AN SSSR (for Belenko, Krylov, Sentsova, Yurevich, Shilkina).
2. Nachal'nik Yerevanskoy stantsii nabliudeniya iskusstvennykh
sputnikov Zemli (for Tumanyan).
3. Nachal'nik Stantsii nabliudeniya iskusstvennykh sputnikov Zemli
(för Kharin).
4. Nachal'nik Stantsii nabliudeniya iskusstvennykh sputnikov Zemli
(för Chevyakova).
5. Nachal'nik Stantsii No.074, Instituta astrofiziki AN Turkmeneskoy SSR
(för Pliushenikov).
6. Nachal'nik Stantsii nabliudeniya iskusstvennykh sputnikov Zemli
Astronomicheskoii observatorii Kharkovskogo universiteta (for Pluzhenikov),
(Artificial satellites--Tracking)


Results of photographic observations of artificial earth satellites. Biul. sta. opt. nabl. isk. sput. Zem. no. 30; 22-26 162. (MIRA 16:6)

1. Sverdlovskaya stantsiya nablyudeniya Iskustvennogo sputnika Zemli (for Nevel'skiy), 2. Zvenigorodskaya stantsiya Astronomicheskogo soveta AN SSSR (for all except Nevel'skiy).

(Artificial satellites—Tracking)
Belenko, V.I.; Belenko, R.M.; Krylov, A.G.; Panferov, I.M.;
Romanova, G.V.; Suntsova, Yu.Ie.; Shilkina, Z.S.

Zvenigorod Station of the Astronomical Council of the
nabl. isk. sput. Zem. no.33:29-33 '63. (MIRA 17:7)

1. Zvenigorodskaya stantsiya Astronomicheskogo soveta AN SSSR.
Authors: Belenko, V. I.; Belenko, R. M.; Krylov, A. G.; Panferov, I. M.; Romanova, G. V.; Sentsova, Yu. Ye.; Shilkina, Z. S.

Title: Results of Satellite Observations

Source: AN SSSR. Astronomicheskiy sovet. Byulleten' stantsiy opticheeskogo nablyudeniya iskusstvennykh sputnikov Zemli, no. 33, 1963, 29-33

Topic Tags: artificial satellite, satellite tracking, satellite tracking camera

Abstract: Observations were made on the satellite 1960 L, during August and October 1961. A NAFA 3g/25 camera was used. The observer was A. G. Krylov. Measurements were made on a KIM-3 microscope by R. M. Belenko, I. M. Panferov, and G. V. Romanova. Computations were made by the Kiselev method for two sets of three reference stars and by the Turner method. Yu. Ye. Sentsova did the calculations on the Ural computer. Observation times were reduced to standard time. The last column of the table shows possible maximal error in coordinates because of unreliability of locating optical center within 1 cm. V. I. Belenko and Z. S. Shilkina participated in the work. Results of 125 observations are given in a table, part 1/3.
Zvenigorodka Station of the Astronomical Council AN SSSR

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<td>August 10</td>
<td>20^h 52^m 26^s 364</td>
<td>0^m 07^s 6</td>
<td>15^h 38^m 54^s 25</td>
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Card 3/3
Belenko, V.I.; Belenko, R.M.; Krylov, A.G.; Panferov, I.M.;
RomanoVA, G. V.; SentsoVA, Yu. Ye.; Shilkina, Z. S.

Station of the Astronomical Council of the Academy of Sciences
(MIRA 17:7)

1. Stantsiya Astronomicheskogo soveta AN SSSR.
TITLE: Observations on the satellites $1961 \delta_1$, $1961 \alpha_1$, $1961 \pi_1$, $1961 \zeta_1$, and $1960 \alpha_1$.


ABSTRACT: Observations were made on the indicated satellites in August, September, and October 1961. A NAPA 3s/25 camera was used, and the observer was A. G. Krylov. Measurements on the KIM-3 microscope were made by R. M. Belenko, G. V. Romanova, and I. M. Panferov. Computations were made by the Kiselev method by means of two sets of three reference stars and by the Turner method. Computations on the Ural computer were made by Yu. Ye. Sentsov. Observation times were reduced to standard time. The last column of the table shows maximum possible error in coordinates.
Because of unreliability of determining optical center within 1 cm. V. I. Belenko and Z. S. Shilkina participated in the work. Results of 418 observations are given in a table, part of which is reproduced on the Enclosure. Orig. art. has 1 table.

ASSOCIATION: Stantsiya Astronomicheskogo soveta AN SSSR (Station of the Astronomical Council, AN SSSR)

SUBMITTED: 26Dec62
NO REF SOV: 000
ENCL: 01
OTHER: 000

SUB CODE: SV, DC
Station of the Astronomical Council, AN SSSR

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1. August 3

23h11m00.692  0.005  20h13m24.8  20°08'58"  12"

76. August 10

19.01  58.329  0.005  22  18  09.3  07 38 16  16

Card 3/3
CHELEUDCHENKO, V.P.; BELENKO, V.I.

Machine for cutting plywood. Trudy BOMMZh no.1:11-15 '63, (MIRA 1616)

(Cutting machines)
ABSTRACT: The purpose of the investigation was to study some general characteristics of the distributions of the lateral ($\delta$) and azimuthal ($\phi$) angles of the secondary particles generated by protons colliding with nucleons and nuclei in emulsion. The experimental material was a set of 4-5 plates with 600 $\mu$-emulsion irradiated in the CERN accelerator with 24-GeV protons. The scanning rate was $\sim 1$ m/hr and the efficiency close to 100%. The lateral angular distribution, as measured by the quantity $x = \log(\tan \theta)$, was found to be nearly normal for both proton and nucleon collisions (nucleon multiplicity 4-12) and for collisions with...
heavy particles. A theoretical estimate of the probability density of the quantity $x$, starting from a Maxwellian distribution of the particle c.m.s. momenta, was made and an analytic expression obtained for the mathematical expectation in terms of integrals that have no divergences and can be readily evaluated numerically. The analysis of the azimuthal distribution was based on an earlier high-sensitivity procedure, developed by the authors for the observation of various correlations in the azimuthal angular distribution (ZhETF v. 45, 407, 1963). This procedure was used to investigate the distribution of the azimuthal angles in showers generated by cosmic ray particles, and no correlations were observed other than those due to the momentum conservation law. A comparison of the distribution with respect to $x$ for "pions" from pN collisions with the theoretical calculations indicates that the angular distribution remains anisotropic at very large multiplicities. Orig. art. has: 2 figures, 11 formulas, and 1 table.

ASSOCIATION: Institut yadernoi fiziki AN UzSSR (Institute of Nuclear Physics, AN UzSSR)

SUBMITTED: 27Oct64

ENCL: 00

SUB CODE: MP

REVIEW CODE: 004

OTHER: 005

Card 2/2
BELENKO, V.P.

Efficient organization of the fermentation and storage sections of a brewery. "Prom. i spirt. prom. 30 no.5:33-35 '64. (MBA 17:10)

1. Sortavalskiy pivovarnyy zavod.
Hydrocracking of high boiling fractions of coal tar in a catalyst stationary bed under the pressure of 30 atm.

Koks i khim. no.10:48-52 0 '61. (MIRA 15:1)

1. Institut neftekhimicheskogo sinteza AN SSSR (for Katsobashvili).
2. Kuznetskiy filial Vostochnogo uglekhimicheskogo instituta (for Garber, El'bert, Belenko).

(Cracking process)

(Coal tar)
Hydrocracking of pitch distillates. Khim. i tekh. topl. i masel 9 no.2;5-11 F '64. (MIRA 17;4)

1. Institut neftekhimicheskogo sinteza AN SSSR.
Pregnancy and a cyst of the ovary. Zdrav.Bel. 8 no.7:75-76 J1 '62.
(MIRA 15:11)
1. Iz Klimovitcheskoy rayonnoy bol'nitsy (glavnyy vrach G.I.Kashin).
(OVARIES—TUMORS)
(PREGNANCY, COMPLICATIONS OF)
HELENKOV, A.K.

Treatment of Intestinal obstruction. Zdrav. Bol. 9 no.6:72-73
Je '63.

(II1A 17:5)

1. Iz khirurgicheskogo otdeleniya Klimovich'skoy rayonnoy bol'nitsy
(glavnyy vrach G.I. Yashin).
Category: USSR / Plant Diseases, Diseases of Trees

Abs Jour: Ref Zhur - Biol., No 6, March 1957, No 229/42

Author: Belenkov, D.A., Petri, V.N.
Title: Toxicity of Sodium Fluoride to Timber-Destroying Fungi when Used as an Antiseptic for Lumber of Different Varieties.

Orig Pub: Sb. tr. fak. mekhan. tekhnol. drevesiny. Uralskiy lesotekhn. in-t, 1956, No 1, 52-58

Abstract: The study of NaF toxicity to woody tissues was conducted on birch, aspen, linden, fir and cedar. The woody tissue of pine, on which the effect of sodium fluoride toxicity is known, served as a control. The determination of biological resistance of sodium fluoride-antisepticized woody tissue of different varieties was conducted with 4 species of timber-destroying fungi: Coniophora cerebella (Pers.) Schroet; Serpula lacrymans (Wulf.) S.F. Gray, Coriolus vaporarius (Fr.) Bond. et Sing. and Fomitopsis pinicola (Sw) Darst. (nomenclature by the system of A.S. Bondartsev and R.A. Zinger). The tests were conducted by the VIAM method (wood sawdust) with some changes. Tests showed a difference in NaF dose-size for woody tissues of different varieties.
For birch woody tissue the dose limit for C. cerebella is 0.42% of the dry antiseptic on absolute dry wood weight; for cedar, linden and aspen, 0.527-0.577%; for pine 0.756% and for fir 1.003%. In testing on woody tissue of one variety no differences in dosage limits for tested species of timber-destroying fungi were found. At the same time, a study was conducted on the possibility of wood destruction by timber-destroying fungi with high original moisture in woody tissue. The data show that with development of aerobic fungi the destruction of woody tissue proceeds intensively even under conditions of high moisture.
Investigating the decay resistance of the wood of various tree species under laboratory conditions and in buildings. Trudy Inst. Biol. UFAN SSSR no.17:73-97 '60. (MIRA 14:14) (WOOD-DEGAYING FUNGI)
Belenkov, D.A.; Petri, V.N.; Fokina, A.G.

Investigating the decay resistance of the antiseptized wood of various tree species and the toxicity of new antiseptics upon house fungi. Trudy Inst. Biol. UFAN SSSR no.17:129-147 '60. (MIRA 14:4)

(WOOD-DECAYING FUNGI) (WOOD PRESERVATIVES)
BELENKOV, D. A., Cand Agr Sci -- (diss) "Research into the anti-decay stability of non-antiseptic and antiseptic woods of various kinds." Sverdlovsk, 1960. 23 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Ural'skiy Forestry Engineering Inst); 180 copies; price not given; (KL, 28-60, 162)
BASOV, N.G.; BELENKO, E.M.; LETOKHOV, V.S.

Finite cross section of the radiation beam from a laser. Dokl. AN SSSR 161 no.4:799-801 Apr '65. (MIRA 18:5)


(Agricultural machinery)
(Agricultural machinery—Maintenance and repair)

(Machine-tractor stations)
KUDEROV, V.A. (Nori'sk); BELENKOY, I.A. (Nori'sk)

Non-freezing ice meter. Vod. i san. tekhn. no. 10:35 0 '62. (MIRA 15:12)

(spipes)
BELENKOV, Nikita Yur'yeевич, prof.; ARKHANGEL'SKIY, G.V., red.


(MIRA 18:7)

1. Kafedra fiziologii Meditsinskogo instituta, Gor'kiy (for Belenkov).

Mech. irritation of the stomach lining of swine causes an increase in the amount of secretion and of free HCl, and increases the duration of secretion. S. A. Karjal.
31, 211-17 (1948). -- Expts. were made on 2 dogs having fistulas on the fundal part of the stomach and isolated loops formed from the upper part of the small intestine. The observations on the motor activity of the stomach and intestine were made simultaneously. Insulin was administered in doses of 2-10 units, as a rule intravenously but sometimes subcutaneously. In most of the cases blood sugar was determined before and after the injection of insulin. Numerous control expts. were made before the administration of insulin. Sixty-seven expts. were made in all. The dogs were kept without food 18-24 hrs. before the expts. The first effect of the insulin injection on the mobility of the stomach and intestine, lasting 4-25 min., was a simultaneous decrease in tone and a cessation of contractions. The second effect which lasted longer was frequent contraction of the stomach with no periods of rest and an increase in tone and intensive contractions of the intestine considerably exceeding those of normal animals. The first effect was caused by the influence of the insulin itself on the gastro-intestinal mucous membrane and its innervation app.; the second effect was the result of the developing hypoglycemia. The sensitivity of the intestine to changes of конц. of sugar in the blood was higher than that of the stomach.
J. Davidson
Mechanism of the action of glucose on the motility of the gastrointestinal tract. 

N. V. Lidskaya (Inst. Expil. Med., Leningrad). J. Physiol. U.S.S.R. 31, 218-222 (1935). The object of the experiments was to study the mechanism by which changes in sugar content of the blood inhibit or stimulate the motor functions of the gastrointestinal tract, i.e., whether the action is on the muscular app. of the tract and whether the sympathetic and parasympathetic nervous systems are involved. Experiments were carried out in vivo on the intestine of rabbits and cats and in vivo on decerebrate cats with dissected sympathetic and parasympathetic nerves and also experiments with intravenous administration of atropine or insulin. The contractions of sections of small intestine in rats were inhibited when the glucose content of the Tyrode solution used was increased 1.5-2.0 times. Injection of glucose in decerebrate cats decreased intestinal motility, injection in cats with dissected nerves also depressed intestinal contractions. However, injections of glucose in sympathectomized cats increased intestinal motility. The inhibition of the motility activity of vagotomized and sympathectomized intestines required 8 times as much glucose as that required for this effect in normal animals. Under conditions of depressed intestinal motility caused by atropine the injection of glucose caused a further decrease in tone and entirely stopped peristalsis. The injection of insulin accelerated the resumption of the contractions of the gastrointestinal tract of a dog stopped by the administration of atropine. The changes in the motor activity of the gastrointestinal tract caused, resp., by glucose and insulin took place under the influence of nervous impulses arising in the center and under the influence of the peripheral action of hyper- and hypoglycemic blood on the organ itself. Both the sympathetic and parasympathetic nerves are excited during exp. hyper- and hypoglycemia; sympathetic influences prevail with the former and parasympathetic with the latter. 

I. Davydov
Action of adrenaline on cholinesterase activity, N. Yu.
1 (T. Physiol.) 34, 239-7 (1948).—Action of adrenaline on cholinesterase activity in the brain of Rana temporaria was studied in vivo; the test object was the rectus abdominis muscle of the frog. Adrenaline in 10^-4-10^-3 concn.
kindles the cholinesterase activity; weaker solns. (10^-4
10^-8) do not affect the extent of the response to acetylcholine (10^-4-10^-3) of unstimulated transversely striped muscle; higher concns. of adrenaline (10^-4-10^-3) gave an increased response in 30% of cases and no effect in 10%. The results are given in g. per ml. of the soln. used for the immersion.

G. M. Knoelzoff
Influence of the intravenous introduction of glucose on the reflex stimulation of the circulatory system. N. S. Glinsky and N. N. Sperankaya (Acad. Med. Sc., Leningrad). Fiziol. Zhur. (J. Physiol.) 34, 283-91 (1948).—Intravenous introduction of glucose (10 ml. 40% soln.) into rabbits (no narcosis) or cats (brief ether narcosis, followed by decerebration) leads to temporary drop of the reflex reaction of lowering the blood pressure on stimulation of the central end of the vagus or depressor nerve. Injection of small units of adrenaline (0.4 ml. 10% soln.) also gave a drop of the depressor reaction. Injection of the glucose soln. always sharply increased the vigor of heart contractions and frequently increased the rhythm; blood pressure changes were small or absent. Injections of glucose followed by adrenaline, then again glucose, at 20-40-min. intervals, led to sharp drop of blood pressure and frequently to death. The lowering of the reflex response appears to be related to the change of the functional state of the nervous system caused by introduction of glucose. Reproductions of the automatic records are given.

G. M. Koslatoff
Belenkov, N. Yu.

Title: Methods of removal of cortex of large hemispheres (neocortex) in cats


Abstract: Successful preparation of animals for systematic experimentation in removal of the cortex of large hemispheres and successful outcome of such an operation depends on several conditions. Choice of narcotics is of great importance. Intramuscular injection of 10% solution of 1.2-1.4 cc per kg of animal weight of hexenal assures profound sleep not only during operation (lasting usually 2 hours) but also for 24-48 hours afterwards. Cortex of the right hemisphere was removed in 78 experimental cats; 25 of these cats survived. After they showed signs of recovery the cortex of the left hemisphere was removed. Out of that number 5 cats survived after the second operation; they lived in a laboratory from 7 months to 3 1/2 years. Fifteen references, seven Soviet.

Institution: Physiological Department imeni I. P. Pavlov, Institute of Experimental Medicine, Academy of Medical Sciences USSR, Leningrad

Submitted: June 28, 1953
Temporary bonds of the respiratory apparatus in decorticated cats. Biul. exp. biol. i med. 41 no.2:17-20 P '56. (MRD 9:6)

1. Is kafedry normal'noy fiziologii (savn.-prof. D.O. Kvasov)

(RESPIRATION, physiology,
conditioned temporary vonds in cats after cerebral decortication (Rus))
(REPLINX, CONDITIONED,
conditioned temporary resp. bonds in cats after cerebral decortication (Rus))
(CEREBRAL CORTEX, physiology,
same)
Abstract: In cats, after the removal of the cerebral cortex (paleocortex, archicortex and subcortex formations remained untouched), the reaction to sound and the ability to localize it was preserved; conditioned reflexes were developed to sound, as well as rough differentiation. The same animals perceived light and darkness, but there was no higher visual analysis in them. Rough analysis of smell and taste sensations survived, but sharper differentiations were impaired. Thus, the functions most
Abstract: In 5 cats deprived of the cortex and observed for periods of 6 months to 3½ years, complex unconditioned reflexes (alimentary, defense, orientating, sexual, reflex of free movement, blinking, washing) were substantially different in external appearance from those of normal animals. Alimentary excitability after decortications, judging by motor activity and voracity of the animals, was increased. In hungry, decorticated cats the motor reaction to sound and light was stronger than in animals which had been fed. The orientating reflexes after decortications were more...
pronounced and could not be suppressed. Defense reflexes in decorticated cats proved to be more primitive. Decortication weakened the sexual, blinking, and scratching reflexes and the reflex of free movement. -- A.M. Ryabinovskaya
Method of local cold exclusion of the cerebral cortex [with summary in English]. Biul.eksp.biol. i med. 45 no.2:121-123 P'58. (MIRA 11:5)

(CEREBRAL CORTEX, physiology, segmental exclusion with capsule for cold solutions (Rus))
Belenkov, N., prof.

Reliable helpers for a doctor. Radio no.320 Mr '60.

(MIR 13:6)

(ELECTRONICS IN MEDICINE)
Belenkov, N.Yu.

Temporary connections and some problems of their evolution. Fiziol. zhur. SSSR 46 no. 9:1126-1131 S '60. (MIRA 13:10)

1. From the Chair of Normal Physiology, Kirov Medical Institute, Gorkiy.

(CONDITIONED RESPONSE)
BELENKO, N. Yu.; SMETANKIN, G. N.

Role of the cerebral cortex in the regulation of blood pressure.
Fiziol. zhur. 46 no.10:1218-1223 0 '60.  (MIRA 13:1)

1. Kafedra normal'noy fiziologii Meditsinskogo instituta im. S.M.
Kirova, Gorkiy.
(CEREBRAL CORTEX) (BLOOD PRESSURE)
BELENKOY, N.Yu.; CHIRKOV, V.D.

Irradiation of strychnine stimulation provoked in the cerebral cortex. Zhur.vys.nerv.deiat. 11 no.3; 512-521 My-Je '61. (MIRA 1417)

1. Chair of Normal Physiology, Medical Institute, Gorky.
   (STRYCHNINE) (CEREBRAL CORTEX)
   (EPILEPSY)
BELENKOV, N.Yu.; CHIRKOV, V.D.

On the effect of stimulation of the cortical projection zones on the process of generalization of the electrical reaction (desynchronization) in the cerebral cortex. Zh. vysš. nerv. deiat. Pavlov 13 no.3:390-399 '63. (WTRA 17:9)

l. Kafedra normal'noy fiziologii Gor'kovskogo meditsinskogo instituta.

(CEREBRAL CORTEX) (RETICULAR FORMATION)
(BRAIN ELECTROPHYSIOLOGY) -(SOUND) (LIGHT)
BELENKOV, N. Yu.; CHIRKOVA, V. D.

Origin of generalized epileptiform discharges in the cerebral cortex. Zhur. vyssh. nerv. doiat. 14, no. 1168-76 Ja-F '64. (MIRA 176)

1. Chair of Normal Physiology, Medical Institute, Gorkiy.
Establishing an equivalent circuit of a piezoelectric pressure transducer and determining basic parameters of a measuring system for solving gasdynamic problems.

Abstract: This article presents a description and analysis of the operation of an equivalent electric circuit for a piezoelectric pressure transducer which, when combined with an adequate measuring circuit, makes it possible to reproduce the process under consideration. A differential equation describing the operation of the piezoelectric pressure transducer according to the circuit diagram presented in the text is derived, and a method for calculating basic electric parameters of the circuit is outlined. Orig. art. has: 1 figure and 19 formulas.
LONDON, G.Ye.; BELENKOV, V.D.


(MIRA 18:10)
PETRUSENKO, A.J.e., nauchnyy sotrudnik: BELENOV, V.K.

Complete utilization of all hidden potentials. Avtom., telem., i sviaz' 9 no. 5:42-43 My '65. (MIRA 18:5)

1. Vasovsky nauchno-issledovatel'skiy institut zhelsnodorozh- nogo transporta Ministerstva putey soobshcheniya (for Petrunenko).
2. Chavnyy inzh. stantsii Perovo Moskovskoy dorogi (for Belenov).