

AYNUTDINOV, M.S.; ZOMBKOVSKIY, S.M.; PLETNIKOV, A.A.; SELEKTOR, Ya.M.;
SHULYACHENKO, V.N.

Elastic scattering of 3.5 Bev./c π^- -mesons by protons. Zhur.
eksp. i teor. fiz. 45 no.2:392-394 Ag '63. (MIRA 16:9)

1. Institut teoreticheskoy i eksperimental'noy fiziki AN SSSR.
(Mesons--Scattering)

AYNUTDINOV, M.S.; ZOMBKOVSKIY, S.M.; SELEKTOR, Ya.M.; SHULYACHENKO, V.N.

Studying $\pi\pi$ -resonances in π -p-collisions at a primary
 π -meson momentum of 3.5 Bev/c. Zhur. eksp. i teor. fiz. 45
no.5:1682-1684 N '63. (MIRA 17:1)

1. Institut teoreticheskoy i eksperimental'noy fiziki.

AYNUTDINOV, M.S.; ZOMEKOVSKIY, S.M.; SELEKTOR, Ya.M.; SHULYACHENKO, V.N.

Inelastic interaction of 3.5 Bev./c η^- -mesons with protons.
Zhur. eksp. i teor. fiz. 47 no.1:100-106 J1 '64.

(MIRA 17:9)

1. Institut teoreticheskoy i eksperimental'noy fiziki.

AYNUTDINOV, M.S.; ZOMBKOVSKIY, S.M.; SELEKTOR, Ya.M.; SHULYACHENKO, V.N.

Studying the reaction $\pi^- + p \rightarrow 2 \pi^- + 2 \pi^0 + k \pi^0 + n$
at a momentum of primary π^- -mesons of 3.5 Bev./c. Zhur. eksp.
i teor. fiz. 47 no.1:383-385 J1 '64. (MIRA 17:9)

1. Institut teoreticheskoy i eksperimental'noy fiziki
Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii
SSSR.

AYNUTDINOV, M.S.; VASIL'YEVA, N.V.; ZOMBROVSKIY, S.M.; SELEKTOV, Ya.N.;
SHULYACHENKO, V.N.

Study of four-pointed stars in \bar{p} -interactions at a primary
momentum of 3.5 Gev./s. IAd. fiz. 1 no.6:1071-1078 Je '65.

(MIRA 18:6)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarst-
vennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

SELEKTOR, Ya.Z., inzh.

Insulation tester. Elek.sta. 29 no.11:83-85 N '58.
(MIRA 11:12)
(Electric insulators and insulation--Testing)

C.A. Selenca, B

9

The design of open-hearth furnaces. Béla Selenca, *Magas: A. sz. Lapok* 3, 282-9 (1939).—Vertical chambers, a correct brick shape, and the shape of the furnace influenced the output. The advantages and disadvantages of the Macz, Rudenthein, and Terni type furnace ends and furnaces are described. A short description is given of the furnace end designed according to the Venturi principle.
E. Gros

KOVALEV, D.F.; UTKIN, I.S.; SELEMENEV, I.D., brigadir kompleksnoy brigady

When the drifting operations have been well prepared. Ugol'
Ukr. 6 no.9:4-7 S '62. (MIRA 15:9)

1. Zamestitel' glavnogo inzhenera Leninskogo tresta kombinata Kuzbassugol' Ministerstva ugol'noy promyshlennosti SSSR (for Kovalev). 2. Nachal'nik Leninskogo shakhtoupravleniya Leninskogo tresta kombinata Kuzbassugol' Ministerstva ugol'noy promyshlennosti SSSR (for Utkin).

(Donets Basin--Coal mines and mining)

GRINBLAT, Ye.I.; KAZAKOV, V.Ya.; SELEMIN, Yu.S.

All-purpose apparatus for continuous extraction. Zav.lab. 23
no.5:632 '62. (MIRA 15:6)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova.
(Extraction apparatus)

MALAKHOV, A.F.; SELEMENEV, A.I.

Remodeling a clay grinder. Mash. i nett. sbor. no.1:37-38 '65.

(MIRA 18:4)

1. Nauchno-issledovatel'skiy institut neftyanoy i gazovoy promyshlennosti i Neftepererabatyvayushchiy zavod. g. Volgograda.

SELEMENEV, V.

The problem became urgent long ago. Fin. SSSR 37 no.11:53
N'63. (MIRA 17:2)

1. Starshiy ekonomist-finansist Bilbinskogo gornopromyshlen-
nogo upravleniya Severo-Vostochnogo soveta narodnogo khozyaystva.

SELING, Yu. Ye.; PYSHNYI, A.M.; OSTROVSKAYA, L.I.

Use of benzene hexachloride in exterminating black wolf spiders
(*Iatrodectus tredecimguttatus* Rossi). Med.paraz.i paraz.bol. 27
no.1:105-106 Ja-F '58. (MIRA 11:4)

1. Iz sanitarno-epidemiologicheskoy stantsii Odesskoy zheleznoy
dorogi.

(SPIDERS) (BENZENE HEXACHLORIDE)

SELENEVICH, A.S., inzh.

The D-464 asphalt paver. Avt.dor. 23 no.7:11-12
J1 '60. (MIRA 13:7)
(Road machinery) (Pavements, Asphalt)

SELENEVICH, A.S., inzh.

New machinery at the Exhibition of Achievements of the National
Economy of the U.S.S.R. Stroi.i dor.mash. 6 no.11:35-40 N '61.
(MIRA 15:4)

(Moscow- Exhibitions) (Building machinery-Exhibitions)
(Road machinery-Exhibitions)

SELENEVICH, A.S., inzh.

D-530 mounted road cutter. Avt.dor. 24 no.5:20-21 My '61.
(MIRA 14:6)

(Road machinery)

SELENEVICH, A. S., inzh.

Exhibition of self-propelled construction and road machinery
in Moscow. Stroi. i dor. mash. 7 no.11:3-9 N '62.
(MIRA 16:1)

(Moscow—Exhibitions)
(Construction equipment—Exhibitions)
(Road machinery—Exhibitions)

SELENEVICH, A.S., inzh.

Building and road machinery at the Exhibition of the Achievements
of the National Economy of the U.S.S.R. Mekh. stroi. 19 no.6:7-8
Je '62. (MIRA 17:2)

SELENEVICH, A.S., inzh.

Machines for working frozen ground at the Exhibition of Achievements
of the National Economy of the U.S.S.R. Stroi. i dor. mash. 8
no.2:3-6 F '63. (MIRA 16:3)
(Frozen ground) (Earthmoving machinery)

SELENEVICH, A.S., inzh.

Set of instruments for the EV315 electric drill. Stroi. i dor.
mash. 8 no.11:35-37 N '63. (MIRA 17:1)

Selenginskiy, A.V.
AUTHOR: Selenginskiy, A.V. (Yoshkar-Ola) 47-5-6/16

TITLE: What is an Adiabatic Process? (Chto takoye adiabatnyy protsess?)

PERIODICAL: Fizika v Shkole, September-October 1957, No 5, pp 45-47 (USSR)

ABSTRACT: The author refers to A.V. Peryshkin's textbook on physics containing in its second and third editions an erroneous definition of the adiabatic process. The author explains that the misunderstanding in the textbook is due to the fact that it had been forgotten that anybody can obtain and deliver energy in two ways - by heat and by pressure. He then enters upon a detailed examination of the adiabatic expansion or compression of gas and compares it with the isothermic change of volume.

ASSOCIATION: Pedagogical Institute, Yoshkar-Ola (Pedagogicheskiy institut, Yoshkar-Ola)

AVAILABLE: Library of Congress

Card 1/1

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SELENGINSKIY, N. P.

CF

New sources of food proteins. N. P. Selenginskiy. *Pishchevaya Prom.* 1944, No. 9, 13-16. The suggestion is made that various oil-bearing seeds be used as a source of food protein after extn. of the oil. Hemp-seed, linseed, sunflower seed, and cottonseed are discussed from this point of view. It is proposed that a standard protein concentrate be made from these seeds for incorporation into various food products. Food factories which operate on a seasonal basis could be used for making the protein product in their off-season. The proposed method of obtaining the protein concentrate results in a protein concentrate for use in food products, a liquid phase suitable for use as a substrate for yeast production, and a residue which could be used as a stock feed. S. Gottlieb

ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION

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PERIODICALS DEPARTMENT

U.S. GOVERNMENT PRINTING OFFICE

SELENIA, L. V.,

"Phytocidal Properties of Certain Tanning Plants Depending on the Nature and the Content of Tanning Substances in Them." (Dissertation for Degree of Candidate of Pharmaceutical Sciences) Tartu State U, Tartu, 1955

SO: M-1036 28 Mar 56

KRCMAR-JOVANOVIC, Zagorka; SELENIC, Leposava; PANTIC, Dragoslav

Clinical picture of tuberculosis in children without BCG
vaccination. Tuberkuloza 15 no.1:59-61 Ja-Mr '63.

1. Gradska bolnica u Zemunu - Gradsko odeljenje.
(TUBERCULOSIS IN CHILDHOOD) (STATISTICS)

S

SELENICA, M.

"Shearing sheep of all domestic breeds twice a year increases the yield of wool;
a statistical and economic experiment study"

Buletin. Seria Shkencat Natyrore. Tirane, Albania. Vol. 12, no. 4, 1958

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 6, Jun 59, Unclas

SELENICA, H.

"Our livestock on the road to improvement." p. 16

PER BUCKESENE SOCIALISTE. Tirane, Albania, Vol. 13, No. 11, November, 1959.

Monthly List of East European Accessions (EEAI), IC, Vol. 9, No. 2,
February, 1960. Uncl.

SELENIKOV, V.

SELENIKOV, V. Attaching an electric phonograph diaphragm to a string instrument.
Tr. from the Russian. p. 19. Vol. 5, no. 8, 1956 ELEKTROENERGIJA. Sofia,
Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

SE. L. E. V. I. N., A. N.

3

report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb '60.

102. I. Dvorkin (Prague): The state of stress and deformation of the turbine blades.

103. V. M. Dzerzhinskii (Moscow): On some new forms of the general solution of the three-dimensional problem of the theory of elasticity expressed in invariant functions.

104. A. A. Derjabin (Sverdlovsk): Generalization of the method of steepest descent in structural mechanics.

105. B. V. Derjabin (Moscow), S. V. Serpin (Leningrad): Surface phenomena in the mechanics of slabs.

106. A. S. Dvortsov (Moscow): Experimental data concerning the mechanism of vibrations of different frequencies in concrete structures.

107. O. Yu. Danilovskii (Leningrad): Aleksandr's problem.

108. M. I. Dzhugach (Kiev): A finite difference analysis of cylindrical shells with rectangular holes.

109. M. I. Dzhugach (Kiev): Generalization of Navier's method of solving the displacement problems of the theory of elasticity.

110. B. G. Dubinskii (Leningrad): The construction of solutions of the problem of the mechanical mechanics by means of special uniformly convergent series.

111. L. O. Dvorkin (Leningrad): A method of investigating the state of stress and strain and the slip lines in anisotropic multilayer metals.

112. A. V. Dvortsov (Moscow): The stability of a shell of a bent beam.

113. L. I. Dvortsovskii (Leningrad): A problem of the theory of shells of a bent beam with a hole and the question of stress concentration.

114. P. P. Dvortsovskii (Leningrad): On the shear strength of fibrous composites.

115. P. P. Dvortsovskii (Leningrad): On friction in sandy soils and their shear strength.

116. E. K. Gerasimov (Moscow): The deformation of the ground under a building foundation.

117. G. A. Gerasimov (Moscow): On stresses and strains of thin-walled rods of variable cross section at normal and elevated temperatures.

118. Yu. B. Gerasimov (Moscow): Determination of the stresses in a beam during bending of the secondary creep of soils.

119. D. A. Gerasimov (Moscow): The integral equation method of determining the creep characteristics of soils from observations in situ.

120. A. F. Gerasimov (Moscow): The elastic-plastic bending of a beam.

121. A. M. Zhurav (Moscow): Elastic properties of a plastically deformed metal under combined loading.

122. P. A. Zhuravskii, A. P. Zhuravskii, B. P. Zhurav (Leningrad): The problem of the stability of a beam under combined loading.

123. M. A. Zolotarev (Kiev): On the propagation of plastic zones in a beam under isoplastic loading.

124. L. I. Zolotarev (Kiev): On the surface-buckling.

125. S. V. Zolotarev, M. S. Zolotarev (Leningrad): An experimental study of the creep characteristics of rubber under combined stresses.

126. M. A. Zolotarev (Kiev): The propagation of an elastic wave in a beam under combined loading.

127. A. M. Zolotarev (Kiev): On the state of stress in compression of a beam under isoplastic loading.

128. S. V. Zolotarev, M. S. Zolotarev (Leningrad): The laws of deformation of a beam under isoplastic loading.

129. P. A. Zhurav (Leningrad): Flow of water-saturated soils under combined loading.

130. L. I. Zolotarev (Kiev): The hypothesis of isotropic similarity of the state of stress and the yielding of metals.

131. P. A. Zhurav (Leningrad): On the anisotropy of elastic and plastic properties.

132. L. M. Zolotarev (Kiev): Plastic tension and compression of a beam under isoplastic loading.

133. M. S. Zolotarev, B. P. Zhurav (Moscow): Investigation of elastic strains and vibrations in aircraft structures by means of electronic computers.

SELENINA, L.V.

Distribution of tannins in different organs of *Potentilla erecta*
(L.) Hampe. Trudy Len. khim.-farm. inst. 12:267-273 '61.

(MTA 15:3)

1. Kafedry farmakognozii i botaniki Leningradskogo khimiko-
farmatsevticheskogo instituta.

(CINQUEFOIL) (TANNINS)

SELENINA, L.V.; GLADKOV, V.I.; ZOZULYA, R.N.

Valerian culture in the Karelian Isthmus. Trudy Len. khim.-farm.
inst. 12:335-343 '61. (MIRA 15:3)

1. Kafedra farmakognozii i botaniki Leningradskogo khimiko-
farmatsevticheskogo instituta.
(LENINGRAD PROVINCE—VALERIAN)

GAMMERMAN, A.F., doktor farm. nauk, prof.; SELENINA, L.V.

Diagnostic anatomy of species of the genus Polygonum L. of the section
Persicaria Meisn. Trudy Len. khim.-farm. inst. no.17:97-112 '64.

(MIRA 18:1)

1. Kafedra farmakognozii i botaniki Leningradskogo khimiko-farmatsevticheskogo instituta.

SELENINOV, B.V.

PHASE I

TREASURE ISLAND BIELICGRAPHIC REPORT

Call No.: AF574255

AID 132 - I

BOOK

Authors: BAYRASHEVSKIY, A.M., Eng. Capt. of the Navy, ALEKSANDROVSKIY, V.V.,
ASCHFULOV, V.P., GEORGIONOV, K.V., DITRIKH, K.F., SELENINOV, B.V.,
and SHTUKIN, L.V.

Full Title: TEXTBOOK FOR SHIP'S RADIO OPERATOR (2nd ed.)

Transliterated Title: Uchebnoe posobiye dlya sudorogo radio-operatora

Publishing Data

Originating Agency; Main Administration of Educational Institutions of the
Ministry of the Merchant Marine

Publishing House: Publishing House "Morskoy Transport"

Date: 1952

No. pp.: 660

No. of copies: 6,000

Editorial Staff

Editor: Sandler, N.V.

Tech. Ed.: Flaun, M.Ya.

Editor-in-Chief: Bayrashavskiy, M.A.

Appraiser: None.

Text Data

Coverage: The textbook presents a general introduction to various phases of radio science from basic electromagnetic principles and description of early types of spark and vacuum tube radio-apparatus to recent types of receiving and sending radio installations, direction finders, electro-acoustical, amplifying and recording equipment. The final part of the book is related to general ship regulations for radio signal exchanges, minor repairs and adjustment of the radio apparatus and ship radio

1/2

SELENINOV, B.Y.

Uchebnoe posobiye dlya sudorogo radio-operatora

AID 132 - I

installation. The last chapter of this part gives general information on navigation, astronomy, meteorology and ship construction.

Comments: The book supplies only general and elementary information for the ship's radio operator and does not deal with radar and other modern equipments.

Purpose: The textbook is approved by the Main Administration on Educational Institutions of the Ministry of the Merchant Marine for radio-operators, particularly for self-study.

Facilities: The book is the collective work of teachers of the Leningrad Marine College and of the special courses for the commanding staff of the Merchant Marine.

No. of Russian Slavic References: 32

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

2/2

SELENITSA, Muslim; LYULI, Metush; NIKANOROV, V.A. (g.Leningrad)

Organization of veterinary medicine in Albania. Veterinaria
36 no.9:83 S '59. (MIRA 12:12)

1.Nachal'nik Upravleniya zhivotnovodstva ~~Ministerstva sel'skogo~~
khozyaystva Albanii (for Selenitsa). 2.Dekan veterinarnogo
fakul'teta Sel'skokhozyaystvennogo instituta Albanii (for Lyuli).
(Albania--Veterinary medicine)

SELENKINA, M. S.

Effect of silica gel moisture content on chromatographic separation of gases. M. M. Turkin, A. P. Kuznetsov, and M. S. Selenkina (All-Union Sci. Research Petroleum Geol. Engineering Inst., Moscow). Dokl. Akad. Nauk, 14: 502-12 (1957).— in a series of expts. with several brands of SiO_2 gel it was observed that when the H_2SO_4 or HCl used in the prepn. of the gel were not washed out completely, adsorbed propylene and butylene could be desorbed completely. The same was true when a previously washed gel was treated with acid. When the H^+ were completely washed out or neutralized with KOH , desorption of the gases was total. Dry SiO_2 gel gave poor sepn. of gases; moistening the gel improved the sepn. greatly. The amt. of H_2O content required for effective sepn. varied with the kind of SiO_2 gel. M. Hosh

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 1-4E4
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 MB

5(2)

AUTHORS:

Turkel'taub, N. M., Anvayer, B. I., SOV/32-25-2-13/78
Kolyubyakina, A. I., Selenkina, M. S.

TITLE:

On the Separation of Hydrocarbons $C_2 - C_5$ by the Method of
Gas-liquid Distribution Chromatography (O razdelenii ugle-
vodorodov $C_2 - C_5$ metodom gazozhidkostnoy raspredelitel'noy
khromatografii)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 2, pp 149-154 (USSR)

ABSTRACT:

By a change in the quantity ratio of solvent and sorbent carrier as well as by the use of a mixture of 2 or more solvents the sorbent properties can be changed over a wide range in the above-mentioned method. The investigations of the separation of hydrocarbons by this method (Refs 2-5) have so far been concerned with saturated hydrocarbons or with such above C_4-C_5 . In the present case the effect of the nature of the stable phase on the separation of hydrocarbons between C_2 and C_5 are studied. The investigations were carried out by means of the usual chromatographic apparatus (Ref 6). The data obtained from the apparatus were automatically recorded

Card 1/3

On the Separation of Hydrocarbons $C_2 - C_5$ by the
Method of Gas-liquid Distribution Chromatography

SOV/32-25-2-13/78

by a potentiometer EPP-09. Non-polar solvents (Vaselin, triisobutylene) as well as weakly polar (α -methyl naphthalene, dibutyl phthalate) and highly polar solvents (dimethyl formamide) were used, and it was found that the Henry coefficient of gaseous hydrocarbons can be changed and conditions for a complete separation achieved by changing the nature of the solvent. However not even an optimum ratio of solvent and sorbent carrier will permit a complete separation of the isomers of C_4 and C_5 hydrocarbons. This is only made possible by adding 1 % Vaselin to dimethyl formamide (on a brick sorbent carrier) or 6.5 % triisobutylene (on a diatomite sorbent carrier). By mixing the solvents a continuous change of the polarity of the stable phase can be achieved and thus it is possible to choose the conditions for separating saturated and unsaturated hydrocarbons between C_2 and C_5 and their isomers. There are 3 figures, 1 table, and 15 references, 3 of which are Soviet. .

Card 2/3

On the Separation of Hydrocarbons $C_2 - C_5$ by the
Method of Gas-liquid Distribution Chromatography

SOV/32-25-2-13/78

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy
neftyanoy institut (All-Union Scientific Research Institute
of Geological Petroleum Prospecting)

Card 3/3

85181

S/065/60/000/011/008/009

E030/E412

55600 (1282 only) also 2209

AUTHORS: Zhukhovitskiy, A.A., Selenkina, M.S. and
Turkel'taub, N.M.

TITLE: Chromatographic Identification of the Components of
Complex Hydrocarbon Mixtures

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1960, No.11,
pp. 57-64

TEXT: A chromatographic method has been determined for separating complicated mixtures of hydrocarbons. It involves measuring the retention volumes and other properties of the peaks of the mixtures, such as area and skewness, when analyzed at one or more temperatures, and when dissolved in one or more solvents. These retention volumes are unique functions of the boiling point of a substance and its ambient temperature for a given column. The chromatographic column is calibrated using known hydrocarbons in known solvents, and straight-line graphs may be drawn of retention volume versus the ratio of boiling temperature to ambient temperature for series of substances in each of the hydrocarbon types, paraffins, cycloparaffins, isoparaffins and aromatics. By choosing highly selective solvents, peaks of hydrocarbons of different types which
Card 1/3

85181

S/065/60/000/011/008/009

E030/E412

Chromatographic Identification of the Components of Complex Hydrocarbon Mixtures


cannot be resolved on one chromatogram may be resolved with a different solvent. The more complex the mixture, the greater is the number of ambient temperatures and solvents necessary to complete the analysis. The method has been successfully used in analyzing mixtures of twelve hydrocarbons of four types: isopentane, n-pentane, hexane, cyclohexane, isooctane, heptane, benzene, methylcyclohexane, n-octane, nonane, decane and undecane. Three solvents were used in the following sequence at 25% concentration: dinonyl sebacate, tricresylphosphate and silicone E-301; for the last solvent, only two calibration curves were necessary since the aromatic and cycloparaffin, and paraffin and isoparaffin, data coincided. Temperatures used were 83, 118, 97, 107, 122, 150°C. Nitrogen was the carrier. A prerequisite of the method is that the components may be separated by chromatography. It is therefore unsuitable when many isomers are present, as in petroleum samples. For such cases, greater resolution is necessary; this could be obtained by using capillary column chromatography, by more stable
Card 2/3

85181

S/065/60/000/011/008/009

E030/E412

Chromatographic Identification of the Components of Complex
Hydrocarbon Mixtures

temperatures and carrier velocities and by using auxiliary data
from mass spectrometry and infrared spectrometry. There are
2 figures, 1 table and 8 references: 7 English and 1 German. 

ASSOCIATION: VNIGNI

Card 3/3

ZHUKHOVITSKIY, A.A.; SELENKINA, M.S.; TURKEL'TAUB, N.M.

Problem of the consecutive connection of columns in gas chromatography. Zhur.fiz.khim. 36 no.5:993-998 My '62. (MIRA 15:8)

1. Moskovskiy institut stali.

(Gas chromatography)

ZHUKHOVITSKIY, A.A.; SELENKINA, M.S.; SERENKOVA, A.G.; TURKEL'TAUB, N.M.

Methods of chromatographic identification of the components
of complex mixtures. Trudy Kom.anal.khim. 13:216-224 '63.

(MIRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanyy institut.

(Chromatographic analysis)

(Petroleum—Analysis)

ZHUKHOVITSKIY, A.A.; SELFENKINA, N.S.; TURKEL'TAUB, H.M.; SHVARTSMAN, V.P.;
SHELAKHOV, A.F.; SMIRNOVA, I.A.

Chromatography without gas carrier and the phenomenon of adsorption substitution. Zav. lab. 30 no.11:1308-1313 '64
(MIRA 18:1)

SELENKOV, B. (Donbass)

Fastening the sound pickup to the wire of the tone arm. Radio
no. 11:49 N'55. (MIRA 9:1)

1. V.-Anadol'skiy zavod imeni Voroshilova.
(Phonograph)

SELENKOV, B.; PARUNIN, V., prepodavatel'

New features in the work of a collective. Prof.-tekh. obr.
17 no. 11:4-6 N '60. (MIRA 13:12)

1. Direktor tekhnicheskogo uchilishcha No. 5, Moskva (for
Selenkov).
(Moscow--Vocational education)

SELENKOV, B.G. (Moskva)

Let's introduce the new, the progressive. Prof.-tekh.obr. 13
no.2:4-5 F '56. (MLRA 9:5)

1. Direktor remeslennogo uchilishcha No. 1.
(Moscow--Technical education)

BELUKHA, Pavel Grigor'yevich; SELENKOV, Fedor Stepanovich

[Tables for the calculation of mold sizes for the manufacture
of refractory products] Tablitsy dlia vychisleniia razmerov
form ognepornykh izdelii. Moskva, Izd-vo Metallurgii, 1964.
288 p. (MIRA 17:5)

СЕЛЕННОВ, Г. В.

PA 47/49T41

USSR/Engineering
Pontoons

Feb 49

"Use of Platforms Built on Pontoons for Extracting
Piling," G. V. Selenov, 1 p

"Torf From" No 2

Gives description and operating figures for the
pontoon. Reasons for operating in fall rather
than winter: (1) no waste in piling, (2) increased
manpower production, (3) possibility of completing
work before frosts set in, and (4) use of water
transport.

47/49T41

SELENNOV, G. V.

Peat Industry

Mechanization of the motion of a peat suction crane of a new type. Torf. prom. 30, No.3, 1953.

SO: Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

SOKOLOV, A.A.; PETRENKO, F.F.; KOVALEV, V.F.; YELISEYEV, M.A.;
ROZENPLENTER, N.F.; YANCHUKOVICH, A.E.; CHUBAROV, N.D.; KONTSEVOY,
N.S.; PREOBRAZHENSKIY, V.A.; BOCHAROV, M.S.; KASHCHEYEV, G.G.;
SELENNOV, G.V.; SAFONOV, K.Ye.; FUNIKOV, S.A.; RASKIN, G.I.;
RABKIN, B.M.

Vadim Konstantinovich Gutsunaev; obituary. Torf.prom. 39
no.3:37 '62. (MIRA 15:4)
(Gutsunaev, Vadim Konstantinovich, 1914-1942)

SELENS, Yu.Ye.

Subspecies of *Anopheles maculipennis* Meig, in the area of the Odessa
Railroad. Med.paraz.1 paraz.bol. no.6:556-557 N-D '53. (MIRA 6:12)

1. Iz vrachebno-sanitarnoy sluzhby Odesskoy zheleznoy dorogi.
(Odessa Province--Mosquitoes) (Mosquitoes--Odessa Province)

SELENS, Yu. Ye. -

SELENS, Yu. Ye. - "The Bioecology of the Population of Anopheles Mg. Taking Into Account Their Age Composition in Various Regions of the Southwestern Ukrainian SSR." Odessa State U imeni I.I. Mechnikov. Odessa, 1955. (Dissertation for the Degree of Candidate in Biological Sciences)

So; Knizhnaya Letopis' No 3, 1956

SELENS, Yu.Ye.; PUL'VER, K.Yu.

Possibilities for chemical control of the black wolf spider
(*Latrodectus tredecimguttatus* Rossi). Ent. oboz. 40 no.4:
842-847 '61. (MIRA 17:1)

1. Kafedra entomologii i zoologii Odesskogo sel'skokhozyast-
vennogo instituta i Odesskaya oblastnaya sanitarno-epidemi-
ologicheskaya stantsiya.

SELENS, Z.

Concerning the change of the style of work and the position of the employees in industrial administration and enterprises. Pt. 1 (To be contd.) p. 359.

PRZEMYSŁ DRZEWNY. (Centralne Zarządy Przemysłow: Drzewnego, Meblarskiego, i Lesnego i Stowarzyszenie Inżynierów i Techników Lesnictwa i Drzewnictwa)
Warszawa, Poland. No. 5, May 1959.

Monthly List of East European accession (EEAI), LC. Vol. 8, No. 9, September, 1959. Uncl.

1. BELINSKIY, I.A.
2. USSR (600)
4. Springs - (Mechanism)
7. Testing sheet metal springs for railroad cars. Vest. mash. 32. no. 10. 1952.

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

SELENSKIY, I.A., dotsent

Automatic recorder for studying car vibrations. Vest.TSNII MPS
19 no.6:61-62 '60. (MIRA 13:9)

1. Bryanskiy institut transportnogo mashinostroyeniya.
(Hodograph) (Railroads--Cars--Vibrations)

SELENSKIY, I.A., dotsent; BOGDAROV, P.M., kand. tekhn. nauk

Stability of the friction resistance of wedge-shaped vibration
dampers. Vest. TSNII MPS 21 no. 4: 15-18 '62. (MIRA 15:6)

1. Bryanskiy institut transportnogo mashinostroyeniya.
(Car trucks (Railroads)) (Damping (Mechanics))

SELENY, P.

What the civil engineering planused for Soviet experiences. p. 104. Vol. 4
No. 3, 1956. MAGYAR EPITOIPAR. Budapest, Hungary.

SOURCE: East European List, (EEAL) Library of Congress Vol. 6, No. 1
January 1956.

SELENYAKINA, K.P.

Experimental basis for the permissible concentration of vanadium
in bodies of water. San.okhr.vod.ot zagr.prom.stoch.vod no.5:
341-347 '62. (MIRA 17:6)

1. Sverdlovskiy institut gigiyeny truda i professional'nykh
zabolevaniy.

RUMANIA / Cosmochemistry. Geochemistry. Hydrochemistry. D

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11436.

Author : Soos, P., Virf, L., Blazsek, A., Selenye, Zs.,
Szabo, A., Soos, A.

Inst : Rev. Med. (RPR).

Title : A Chemical and Radiological Analysis of the Med-
icinal Salt Waters of Singeorgiul de Muresh and
Orga and of the Mud of Singeorgiul de Muresh.

Orig Pub: Rev. med. (RPR), 1957, 3, No 4, 85-91.

Abstract: A chemical analysis was performed to test the
spring waters of Singeorgiul de Muresh (in g/l):
Li / 0.035, Na / 48.853, K / 0.238, NH₄ / 0.203,
Ca / 4.258, Mg / 1.997, Fe²⁺ / 0.019, Mn²⁺ / 0.001,
Al³⁺ / 0.004, F⁻ 0.0098, Cl⁻ 84.201, Br 0.090,
I 0.006, HCO₃⁻ - 0.089, SO₄⁻² 0.009, HBO₂ 0.019,
H₂SiO₃ 0.011; the dry residue is 139, 335; pH, 6.8:

Card 1/2

SELENYI A. and KOC SIS A.

2295. KOC SIS A. and SELENYI A. Orvostudományi Egyetem Bor-es Nemikortani Klin.
Közleménye, Debrecen. *Adatok az erythema chronicum migrans Lipschutz koroktanához.
The pathogenesis of Lipschutz' disease BORG YOGY. VENER. SZLE 1953, 29/5 (160-162)

SO: EXCERPTA MEDICA: Section XIII, Vol, 8, No. 10

SZODORAY, L.; SELENYI, A.

The significance of electrodermatographic studies in individual dermatoses. Acta med. hung. Suppl. 6 no.1:94-99 1954.

1. Klinik für Haut- und Geschlechtskrankheiten der Medizinischen
Universität, Debrecen
(PSORIASIS, physiol.
electrodermatography)

SZODORAY, L; SELENYI, A; VEZEKENYI, K.

Significance of electrodermatographic investigations in certain dermatoses. Acta med.hung. 7 no.1-2:123-134 1955

1. Klinik für Haut- und Geschlechtskrankheiten der Medizinischen Universität, Debrecen
(SKIN, diseases,
electrodermatographic data)

SELENYI, Antal, dr.

Vitiligo and psoriasis on the same side with syringomyelia.

Börgyogy. vener. szemle 9 no.3:94-96 May 55

1. A Debreceni Orvostudományi Egyetem Bor- és Nemikortani
Klinikájának közleménye (Igazgató: Szodoray Lajos dr. egyetemi tanár.

(VITILIGO, complications

psoriasis with syringomyelia located on same side of
body)

(PSORIASIS, complications

vitiligo, with syringomyelia located on same side of
body)

(SYRINGOMYELIA, complications

vitiligo & psoriasis, located on same side of body)

SELENYI

✓ The relation between vesicle formation and cell respiration. L. Szodony, Klára Tuza, A. Selényi, and A. Kocsis (Med. Univ., Debrecen). *Acta Morphol. Acad. Sci. Hung.* 6, 351-8 (1960) (in German).—Tetrazolium chloride was used for the histochem. detn. and the Thunberg technique for the biochem. detn. of dehydrogenase (I) activity. In pemphigus the I was increased in the actual blister and in its vicinity, but not in the uninjured skin. Inhibition of cell respiration is evidently not a decisive factor in the mechanism of skin-blister formation. H. B. Collier

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SELENYI, Antal, dr.

Therapeutic effect of penicillin in scleroderma. *Borgyogy. vener.*
szemle 10 no.2:93 March 56.

1. A debreceni Orvostudományi Egyetem Bor.-es Nemikortani
Klinikájának (igazgató: Szodoray Lajos, egyetemi tanár) közl.
(SCLERODERMA, ther.
penicillin, in various forms of scleroderma (Hun))
(PENICILLIN, ther. use
scleroderma, various forms (Hun))

SZEGO, Laszlo, Dr.; SELENYI, Antal, Dr.; ALMASSY, Gyorgy, Dr.

Klippel-Tranaunay-P. Weber syndrome complicated by Kaposi's sarcoma (sarcoma idiopathicum varicosum et osteohypertrophicum). *Borgyogy.* vener. szemle 11 no.5:203-212 Oct 57.

1. A Szabolcs-Szatmar megyei Tanacs Korhaza (igazgato: Salamon Istvan, Dr.) Borgyogyaszati Osztalyanak (foorvos: Szego Laszlo dr.) es Rontgen Osztalyanak (foorvos: Almassy Gyorgy, dr.), valamint a Debreceni Bories Nemikortani Klinika (igazgato: Szodoray Lajos dr. egyetemi tanar, az orvostudomanyok doktora) kozlemenye.

(SARCOMA, MULTIPLE HEMORRHAGIC, case reports with Klippel-Tranaunay dis. (Hun))

(ANGIOMATOSIS, case reports Klippel-Tranaunay dis. with multiple hemorrhagic sarcoma (Hun))

SELENYI, Antal, Dr.

Factors influencing localization in circumscribed scleroderma.
Borgyogy. vener. szemle 12 no.1-2:60-66 Feb-Apr 58.

1. A debreceni Orvostudományegyetem Bor- és Nemikortani Klinikájának
(Igazgató: Dr. Szodoray Lajos egyetemi tanár) közleménye.
(SCLERODERMA, etiol. & pathogen.
local pathol. factors of localization in circumscribed
scleroderma (Hun))

EXCERPTA MEDICA Sec 13 Vol 13/5 Dermatology May 59

1273. FACTORS INFLUENCING THE LOCALIZATION OF CIRCUMSCRIBED SCLERODERMIA. NORMAL AND PATHOLOGICAL BACTERIAL FLORA OF THE SKIN IN THE LIGHT OF STUDIES OF ANTIBIOTICS (ARTICLE READ BEFORE THE INTERNATIONAL DERMATOLOGICAL CONGRESS IN STOCKHOLM, 1957) - Localisatio tényezők körülírt sklerodermában - Selényi A A debreceni Orvostudományegyetem Bor-esNemikortani Klin., Debrecen - BÜRGYÖGY VENER. SZLE 1958, 24/1-2 (60-66) Tables 1 Illus. 3
In the course of 25 yr., 54 cases of scleroderma were observed, 12 of which showed a segmental circumscribed localization. Five of these 12 cases showed pathological organic changes on X-ray examination (discopathies, thoracic kyphosis, spondylarthrosis); these changes determined the localization.

1274. ASSOCIATION OF FUNCTIONING CARCINOID GIBBERNA

SELESHNIKOV, S.I. (g. Leningrad).

Brief calendar of physics, technology, and astronomy for 1958.
Fiz. v shkole 18 no.6:83-90 N-D '58. (MIRA 11:12)
(Physicists) (Astronomers)

SELESTIANU, A.

The length of life of machines. p. 25.
(Metalurgia Si Constructia De Masini, Vol. 9, No. 1. Jan. 1957, Bucuresti,
Rumania)

SO: Monthly List of East European Accessions (EMAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

SEBESTIAN, I.

Reduction in the consumption of materials through correct designing of machinery.

p. 27 (Metalurgia Si Constructia De Masini. Vol. 9, no. 1, Apr. 1957. Bucuresti, Rumania)

Monthly Index of East European Accessions (MEAT) IC. Vol. 7, no. 2, February 1958

Selényi, SUSANA

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Chem

✓ A micromethod for the determination of fluorine. Paul Soos and Susana Selényi (Hyg. Inst., Tg. Mures, Romania). Acad. rep. ~~publ.~~ *Revista Romana, Pitaka Cluj, Studii cercetari stiint.* 3, No. 3/4, 103-8 (1953). Two methods are used. The qual. or semiquant. method is based on the fact that F destroys the color of the Zr-alizarin complex, the color change is detd. colorimetrically, and the sensitivity is 100 γ . The exact method is a titrimetric one, having been developed as a combination of the two Fellenberg methods (C.A. 32, 247; 42, 7418d) with a modification that the liberated F_2H_2 is steam distd. and the distillate is titrated in the presence of Na alizarin sulfonate with 0.01N $Th(NO_3)_4$. W. J.

A

CM

SELENYI, ZS.

D

Rumania/Cosmochemistry. Geochemistry. Hydrochemistry.

Abs Jour : Ref Zhur-Khimiya, No 2, 1958, 4255.

Author : Soos P., Selenyi Zs., Szocs J.

Inst : Not given.

Title : Studies on Determination of Chemical Composition of Mineral Waters in Hungarian Autonomous Oblast and in Rodnei Mountains.

Orig Pub : Studii si Cercetari stiint Oblast. Acad. RPR Fil. Cluj. Ser. 1, 1955, 6, No 3-4, 161-192.

Abstract : Different in composition mineral waters are described. Ferrous waters in the majority of cases originate from the andesites of the range of Mount Khrigit. The content of Ca and Mg is connected with limestones and dolomites. Hydrocarbonate-chloride-sodium waters are

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XOSPITA MEDICA Sec 17 Vol. 2/5 Pub. Health May 56

1673. SELENYI-GREINER I. Säuglingsschutzanst. XIII/1 des XIII. Bezirks, Buda-
pest. *Nicht angegangene Pockenschutzimpfungen und deren erfolgreiche
Wiederholung. Unsuccessful smallpox vaccination and its
successful repetition ANN. PAEDIAT. (Basel) 1955, 185/1-2
(111-119)

Unsuccessful primary vaccination is often caused by immunity. This is at a lower
level 5-7 days after the vaccination. Revaccination at that time often causes the
desired reaction. In these cases the lesions evolved quicker than in normal primary
vaccinations.

Frenkel - Amsterdam (XX,7,17)

BUDEC, Rajko, inz.; SELER, Mirko, inz.; SUTIC, Boris, inz.

Chemical changes in the catalytic reforming of gasoline.
Nafta Jug 14 no.8:209-214 Ag'63.

1. Rafinerija nafte, Sisak.

SELER, Ryszard

Termination of employment relationship during a period of excused
absence of the employee. Praca zabezp spol 6 no.11:34-37 N '64.

SELENICHENKAYA, N.

"Continuous Distillation of Gas-Producing Resin," Zhur. Prikl. Khim., 21, No. 5, 1948.
Nbr., Central Sci. Soc. Engineering Inst., -1948-.

SELESHNIKOV, I.S. (g.Leningrad).

Brief 1955 anniversary calendar related to physics, engineering and astronomy. Fiz. v shkole 15 no.1:88-95 Ja-F '55. (MLRA 8:2)
(Anniversary calendar)

S. I. LEVINSON, S. I.

"An Outstanding Russian Astronomer, V. K. Iseraskiy: 100th Anniversary of His Birth (1849 - 1949)," Priroda, No. 9, 1949.

DROZDOV, S.V. (Poltava); SELESHNIKOV, S.I. (Leningrad).

[Brief astronomical calendar for 1953] Krat.astron.kal. 1953 6:3-52 '52.
(MLB 6:9)
(Astronomy--Yearbooks)

SELESHNIKOV, S.I.

Memorable dates from the history of astronomy during 1953. Krat. astron. kal.
1953 6:53-59 '52.

(MLBA 6:9)

(Astronomy)

SELESHNIKOV, S.I.

Short calendar of physics, technology and astronomy for 1954. Fiz.v shkole
no.6:82-90 '53. (MLBA 6:10)

(Anniversary calendar) (Scientists, Russian)

SELESHNIKOV, Semen Isaakovich; OGORODNIKOV, K.F., doktor fiziko-matemati-
cheskikh nauk, redaktor

[Science and religion on the structure of the Universe] Nauka i
religiia o stroenii vselejnoi. Leningrad, 1954. 39 p. [Microfilm]
(Cosmology) (MLRA 8:2)

SELESHNIKOV, S.I. (Leningrad)

Brief calendar of events on physics, technology and astronomy
for 1956. Fiz.v shkole 16 no.1:86-93 Ja-Fe '56. (MLRA 9:3)
(Physics--Study and teaching) (Anniversary calendar)

SELESHNIKOV, S.I. (Leningrad)

Science predicts. Nauka i zhizn' 23 no.1:43-46 Ja '56.
(Astronomy) (MLRA 9:4)

Seleshnikov, S.I.
AUTHOR: Seleshnikov, S.I. (Leningrad) 47-58-1-32-35

TITLE: A Short Calendar on Physics, Engineering and Astronomy for 1958 (Kratkiy kalendar fiziki, tekhniki i astronomii na 1958 god)

PERIODICAL: Fizika v Shkole, 1958, # 1, pp 84-92 (USSR)

ABSTRACT: Two calendars are given in which every month of the year is consecrated to one or more scientists, living or dead. Many Russian, Soviet and foreign scientists are named. There are 11 pictures and 61 Soviet references.

AVAILABLE: Library of Congress

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DROZDOV, S.V.; SELESHNIKOV, S.I.; YAKOVKIN, A.A., otv.red.; LABINOVA,
N.M., red.izd-va; RAKHLINA, N.P., tekhred.

[Concise astronomical calendar for 1959] Kratkii astronomicheskii
kalendar' na 1959 god. Vol.12. Kiev, 1958. 123 p. (MIRA 12:3)

1. Akademiya nauk URSR, Kiyev. Viddil fizyko-matematychnykh nauk.
2. Chlen-korrespondent Akademii nauk Ukrainskoy SSR (for Yakovkin).
(Astronomy--Yearbooks)

SELESHNIKOV, Semen Isakovich; OGORODNIKOV, K.F., prof., nauchnyy red.;
ROZENFARB, I.Ya., red.izd-va; GURDZHIYEVA, M.A., tekhn.red.

[Endlessness and eternity of the universe] Beskonechnost' i
vechnost' Vselennoi. Leningrad, Ob-vo po rasprostraneniu
polit. i nauchn.znanii RSFSR, Leningr.otd-nie, 1959. 49 p.
(MIRA 13:5)

(Cosmography)

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SOV/26-59-9-5/37

~~3(1)~~ 3.1200

AUTHOR: Seleshnikov, S. I. (Leningrad)

TITLE: Soviet Astronomical Instruments

PERIODICAL: Priroda, 1959, Nr 9, pp 39-46 (USSR)

ABSTRACT: This article is a historical survey on the development of Soviet astronomical instruments. In 1922, the Laboratoriya astronomicheskoy optiki (Laboratory of Astronomical Optics) headed by D. D. Maksutov, was established at the GOI, i.e. Gosudarstvennyy opticheskiy institut (State Optical Institute). Under the guidance of N.G.Ponomarev the following astronomical instruments were built at the Astronomicheskiy institut (Astronomical Institute) in Leningrad: the first Soviet reflector (mirror diameter 33 cm) for the Abastumanskaya observatoriya, Gruzinskaya SSR (Abastumani Observatory, Gruz, SSR), six standard coronographs for

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observing the total solar eclipse on 19 June 1936, and some visual and objective microphotometers. Ponomarev also projected the spectroheliograph for the Khar'kovskaya astronomicheskaya observatoriya (Khar'kov Astronomical Observatory). Besides various gravimetric apparatus, a pendulum instrument for the Dreyfuyushchaya stantsiya "Severnny polyus" (Drifting Station "Severnny Polyus" / "North Pole" 7) was constructed in the Astronomical Institute. In 1934, a special group of constructors headed by N.G. Ponomarev started at one of the plants. Its first work consisted in designing five caelometers and they were rewarded with commendation from the Komissiya Akademii nauk SSSR (Commission at the AS of the USSR). Between 1937 and 1938, a horizontal solar telescope was constructed. Its optical parts were manufactured at the Laboratory of Astronomical

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Optics at the GOI and it was installed at the Pulkovskaya observatoriya (Pulkovo Observatory), near Leningrad. In the spring of 1941, N. G. Ponomarev and D.D. Maksutov were given the Stalin Prize Third Class. After World War II, it was planned to build a large astrophysical observatory in the mountain districts of Central Crimea on the order of the Simeizskaya observatoriya (Simeiz Observatory). Finally, the Gornaya solnechnaya stantsiya Pulkovskoy observatorii (Mountain Solar Station of the Pulkovo Observatory) was established near Kislovodsk. Then came the new Observatoriya Moskovskogo gosudarstvennogo universiteta (Observatory of the Moscow State University) at Leninskiye Gorki near Moscow, the Observatoriya Akademii nauk Armyanskoy SSR (Observatory of the AS of Armyanskaya SSR) at

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Byurakan, the Observatoriya Akademii nauk Kazakhskoy SSR (Observatory of the AS of the Kazakhskaya SSR) at Alma-Ata, the Observatoriya Akademii nauk Ukrainskoy SSR (Observatory of the AS of the Ukrainskaya SSR) at Kiyev. Recently, a group of constructors under the guidance of the Lenin prize laureate B.K. Ioannisiani was organized. The following instruments were designed at the Opticheskiy institut (Optical Institute): nebular spectrographs for the observatories at Simeiz and Byurakan; a meniscus astrograph for the Alma-Atinskaya observatoriya (Alma-Ata Observatory) which is used for the study of the so-called stellar chains by Soviet astronomer Academician V. G. Fesenkov; reflectors with an apertureless quartz spectrograph (see fig. 1); an astrophotocamera, etc. In 1955, the world's largest meniscus telescope (meniscus diameter 700 mm,

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Soviet Astronomical Instruments

(see figure 2) was established at the Abastumani Observatory. In the last 12 years, more than 50 new astronomical instruments have been developed under the guidance of P. V. Dobychin. The astronomers of Pulkovo successfully observed the solar granulation and the solar chromosphere with the help of a horizontal solar telescope (see figure 3). The structure of the solar chromosphere was studied with the help of the IPF, i.e. interferentsionno-polyarizatsionnyy svetofil'tr (interference polarization color filter), when using the same telescope. In 1951, a coronagraph equipped with an automatic camera was established at the Krymskaya astrofizicheskaya observatoriya (Crimean Astrophysical Observatory). The Soviet scientists succeeded in observing numerous so-called chromospheric explosions. After 1950, the Crimean Astrophysical Observatory,

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Soviet Astronomical Instruments

(see figure 2) was established at the Abastumani Observatory. In the last 12 years, more than 50 new astronomical instruments have been developed under the guidance of P. V. Dobychin. The astronomers of Pulkovo successfully observed the solar granulation and the solar chromosphere with the help of a horizontal solar telescope (see figure 3). The structure of the solar chromosphere was studied with the help of the IPF, i.e. interferentsionno-polyarizatsionnyy svetofil'tr (interference polarization color filter), when using the same telescope. In 1951, a coronagraph equipped with an automatic camera was established at the Krymskaya astrofizicheskaya observatoriya (Crimean Astrophysical Observatory). The Soviet scientists succeeded in observing numerous so-called chromospheric explosions. After 1950, the Crimean Astrophysical Observatory,

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help of the BST. The so-called chromosphere telescopes (see figure 4) were constructed for the observatories at L'vov, Kiyev, Moscow, Baku, Irkutsk, Voroshilovsk, Alma-Ata, Abastumani, Tashkent, and for some other observatories. According to instructions obtained from D.D. Maksutov, the first two meniscus telescopes MTM-500 (mirror 50 cm in diameter, focal length 6.5 m) were built in 1949. Since 1954, smaller meniscus telescopes of type AZT-7 (see figure 5) based on the Cassegrain arrangement were constructed. Simultaneously, reflectors with a parabolic mirror were built for the Observatoriya Moskovskogo universiteta (Observatory of the Moscow University) and the Observatoriya Kiyevskogo universiteta (Observatory of the Kiyev University). The clear aperture of their main mirror is 70 cm, the focal length 3.15 m. Three reflectors,

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planned by Professor O.A. Mel'nikov and B.K. Ioan-
nisiiani, with an aperture of 25 cm and an aperture-
less quartz spectrograph, were finished in 1949.
They are installed at Pulkovo, the Kuchinskoye ot-
deleniye observatorii MGU (Kuchinskoye Branch of
the MGU Observatory, and the Byurakanskaya
observatoriya (Byurakan Observatory). In 1950, the
telescope AZT-4 which belongs to the reflecting-
refracting type (aperture 64 cm, intensity of light
1 : 1.4) was constructed for the Simeizkoye otde-
leniye Krymskoy astrofizicheskoy observatorii (Simeiz
Branch of the Crimean Astrophysical Observatory)
and was used by the Soviet astrophysicist Acade-
mician G.A. Shayn for investigating the dust and gas
nebulae as well as interstellar space. The author
also reports that the parabolic reflector ZTE (mir-
ror diameter 1.25 m) for the Observatory of the

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Moscow University will be finished soon. In 1957, several standard refractors of the type AVR-3 with an objective of 13 cm and a focal length of 2 m were constructed. The AFR-1 astrograph (see figure 7) with an objective of 23 cm in diameter and a focal length of 2.3 m was finished in 1953 and is installed at the Observatory of the MGU. The author mentions that the Soviet scientists succeeded in completely correcting the aberration of this instrument. As far as the transit instruments are concerned, the author mentions the following instruments: the so-called zenith telescopes APM-2 (aperture 18 cm, focal length 235 cm), APM-1, and APM-10. In connection with these instruments, the following Soviet scientists are mentioned: Professor N.N. Pavlov, V. I. Sakharov, and I.F. Korbut. According to an idea of the corresponding member of the AN SSSR

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(AS USSR), gravimetrist A.A. Mikhaylov, a photographic zenith tube (objective diameter 25 cm, focal length 4 m) has been constructed for the Pulkovo Observatory. In conclusion, the author mentions that in 1960 the construction of the ZTSh, i.e. zerkal'nyy teleskop imeni akad. G. A. Shayna (Reflecting Telescope imeni Academician G. A. Shayn) which will be the third largest in the world with a mirror diameter of 2.6 meters will be finished. It will be established at the Crimean Astrophysical Observatory of the AS USSR (see figure 8). There are 8 photographs.

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SELESHNIKOV, S.I. (Leningrad); ENOKHOVICH, A.S.

Brief calendar of physics, technology, and astronomy for 1961.
Fiz. v shkole 21 no.1:102-108 Ja-F '61. (MIRA 14:9)
(Physics) (Astronomy)