

KVITNYTS'KYY-RYZHKOV, Yu.M.

[The latest achievements in Soviet biology] Nainovishi dosiagnennia
radiansk'koi biologii. Kiiiv, Vid-vo Akademii nauk RSR, 1951. 29 p.
(Biology) (MLRA 9:3)

KVITNITSKIY-RYZHOV, Yu.N.

Basic argyrophil substances of the early pathologic fertilized human ovum. Arkh. pat., Moskva 13 no.5:87 Sept-Oct 1951. (CML 21:2)

1. Of the Department of Histology and Embryology (Scientific Supervisor -- Prof. S. D. Shakhov), Kiev Medical Stomatological Institute.

KVITNITSKIY-RYZHOV, YU. N.

Embryology, Human

Abnormal fertilized human ovum. Akush.i gin. No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, UNCL.

KVITNITSKIY-RYZHOV, Yu. N.

Histological structures of the yolk sac in early pathological human embryo. Usp. sovrem. biol. 33 no. 3:464-466 May-June 1952. (CLML 22:4)

1. Kiev.

1. KVITNITSKIY-RYZHOV, Yu. N.
2. USSR (600)
4. Eye - Diseases and Defects
7. History of the study of eye diseases resulting from vitamin A deficiency.
Vop. pit. 12, No. 2, 1953.

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

1. KVITNITSKIY-RYZHOV, Yu. N.
2. USSR (600)
4. Embryology, Human
7. Resistance to the ectrodermal membrane in the early human embryo in pathologic conditions. Arkh. anat. gist. i embr. 30, No. 1, 1953.

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

1. SAKHOV, S.D.; KVITNITSKIY, Yu.N.
2. USSR (600)
4. Florian, Jan. d. 1952
7. Outstanding Czechoslovakian scientist, S.D. Sakhov, Yu.N. Kvitnitskiy-Ryzhov, Priroda 42 no. 5, 1953.

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

KVITNITSKIY-RYZHOV, Yu. N.

FD-1541

USSR/Medicine - History

Card 1/1 : Pub 102-12/14

Author : Kvitnitskiy-Ryzhov, Yu. N., Candidate of Medical Sciences (Kiev)

Title : ~~From the history of training of Russian medical personnel~~
From the history of training of Russian medical personnel (In connection with 95 years of medicine as a graduate study and of medical practice in Russia)

Periodical : Sov. zdrav., 6, 51-57, Nov-Dec 1954

Abstract : Foundation for a self-sufficient Russian medical science was laid in the 18th century and began to take shape under M. V. Lomonosov's guidance. His followers picked up where he left off. The first institute of physicians was founded in 1858 with membership in it made up of instructors of the Medico-Surgical Academy at Petersburg. Ivan Timofeyevich Glebov is credited with founding this institute. In June 1858, therefore, the medical profession will celebrate the 100th anniversary of existence in Russia of medical training as post-graduate study and clinical practice as a profession. The Russian medical men will be honored at that time for their great service to their country and humanity and for intensity of their patriotism.

Institution :

SHAKHOV, S.D.; KVITNITSKIY-RYZHOV, Yu.N.

Outstanding Slavic scientist Jan Florian. Arkh.anat.gist.i embr. 31
no.1:82-85Ja-Mr '54. (MLRA 7:4)

1. Iz kafedry gistologii i embriologii (zaveduyushchiy - professor
S.D.Shakhov) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsin-
skogo instituta im. akademika A.A.Bogomol'tsa (direktor - dotsent
T.Ya.Kalinichenko).

(Florian, Jan, 1897-1942)

KVITNITSKIY-RYZHOV, Yu.N. (Kiyev)

N.A.Khrushonshchevskii; 90 years of the method of physiological injection. Usp. sovr. biol. 38 no.2:250-258 S-0 '54. (MLRA 8:1)
(KHRZHONSHCHEVSKII NIKANOR ADAMOVICH, 1836-1906)

EVITNITSKIY-RYZHOV, Yu.M.,(Kiyev)

Embryological investigations by N.F. Kashchenko; on the 100th anniversary of his birth. Arkh. anat. gist. i embr. 32 no.4:71-76
O-D '55 (MLRA 9:5)

(BIOGRAPHIES,
Kashchenko, Nikolai F.)
(BIOGRAPHIES,
Kashchenko, Nikolai F., bibliog.)
(EMBRYOLOGY,
contribution of N.F. Kashchenko)

Kvitnitskiy-Ryzhov, Yu.N.

USSR/General Division - History. Classics. Personalities.

A-2

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25671

Author : Kvitnitskiy-Ryzhov, Yu.N.

Inst : University of Kiev.

Title : P.I. Peremezhko: 75 Years Since the Description of the Indirect Division of Animal Cells.

Orig Pub : Uspekhi sovrem. biologii, 1955, 40, No 3, 264-371

Abst : Biographic data are provided on Petr Ivanovich Peremezhko (1833-1893), Professor at Kiev (1868-1891). Peremezhko's dissertation dealt with histogenesis in muscles. It was in Peremezhko's laboratory that P.I. Sokolov's researches (1881) showed the possibility of regenerating muscular tissue. Peremezhko later investigated the histological structure of the thyroid gland and of the pituitary, as well as the structure and development of the pancreas. Of the embryological researches of Peremezhko, mention is made of his investigation of embryonic

Card 1/2

USSR/General Division - History. Classics. Personalities.

A-2

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25671

lamellae in chicks. In 1887, Peremezhko, independently of Flemming, made a detailed description of the division of animal cells through mitosis, establishing the sequence of events in this process. The pathologist V.V. Podvysotskiy and the neurohistologist A.V. Leontovich were disciples of Peremezhko. The article includes a list of Peremezhko's publications (31 titles) and a list of projects completed in his laboratory (9 entries).

Card 2/2

KVINTITSKIY-RYZHOV, Yu.N. (Kiyev)

The work of N.A.Khrzhonshchevskii in the field of health education.
Sov.zdrav, 15 no.5:51-57 S-0 '56. (MLRA 10:1)

(PUBLIC HEALTH, his.

contribution of N.A.Khrzhonshchevskii)

(KHRZHONSHCHEVSKII, NIKANOR ADAMOVICH)

KVITNITSKIY-RYZHOV, Yu.N. (Kiyev)

Modifications of blood cells in early pathological conditions of
the human embryo. Arkh. pat. 18 no.1:101-102 '56. (MLRA 9:6)

1. Iz kafedry gistologii i embriologii (zav.-prof. S.D. Shakhov)
Kiyevskogo meditsinskogo stomatologicheskogo instituta.

(BLOOD CELLS,

in embryo in early stages of pathol. cond. (Rus))

(EMBRYO,

blood cells in early stages of pathol. cond..(Rus))

EXCERPTA MEDICA Sec.5 Vol.11/4 General Pathology Apr 58

Kvitnitskiy, Ryzhov, Y.N.
1147. THE PROBLEM OF PATHOLOGICAL DISPLACEMENT AND MIXING OF
'ANLAGE' MATERIAL IN THE EARLY STAGES OF HUMAN EMBRYONIC
DEVELOPMENT (Russian text) - *Kvitnitskiy-Ryzhov Y.N.* Dept. of
Histol. and Embryol., Med. Stomatol. Inst., Kiev, USSR - ARKH. ANAT.
GISTOL.EMBRIOL. 1956, 33/3 (62-64)

A 6-8 weeks old human embryo is described which was obtained as a result of a spontaneous abortion. Partial degeneration of the embryonic membranes was noted. The caudal part of the embryo was underdeveloped, and the body contours were rounded up. Inside the brain 'anlage' there were particles of chondroid tissue present, 20-350 μ . in size. The described findings represent a rare instance of tissue displacement in the course of early pathologic ontogenesis. It is possible

1147

that the chondroid particles lying isolated in the nervous 'anlage' are the result of an early migration of chondrogenic material into the nerve tube. Two types of tissue displacement processes are possible: the first consists of a massive localized growth of chondroid into nervous tissue, i. e. 'expansive growth'; the second is a growth of chondroid tissue throughout the nervous tissue, producing the 'infiltrating growth'.

Priezzheva - Leningrad (I, 5)

KVITNITSKIY-RYZHOV, Yu.N. (Kiyev)

History of physicians' societies in Russia; from the former Kiev
Society of Physicians. Sov.zdrav. 17 no.1:41-46 Ja '58. (MIRA 11:2)
(SOCIETIES, MEDICAL, hist.
in Russia (Rus))

KHCMINSKIY, B.S.; BRODSKAYA, I.A.; VERKHOGLYADOVA, T.P.; KUITNITSKIY-RYZHOV,
Yu.N.; TUSHEVSKIY, V.F.

Changes in the cerebral matter in relation to the structural and
biological peculiarities of brain tumors. Probl. neurokhir. 4:277-
302 '59. (MIRA 13:11)

(BRAIN--TUMORS)

KVITNITSKIY-RYZHOV, Yu.N. (Kiyev)

Main facts about the scientific and public activity of Professor
I.U.I. Matson of Kiev. Vrach.delo no.7:765-766 J1 '59.

1. Nauchno-issledovatel'skiy inatitut neyrokhirurgii Ministerstva
zdravookhraneniya USSR. (MIRA 12:12)

(MATSON, IULII IVANOVICH, 1817-1885)

KVITNITSKIY-RYZHOV, Yu.N., kand.meditsinskikh nauk

Friedrich Recklinghausen. Vrach. delo no.8:140-142 Ag '60.

(MIRA 13:9)

1. Patomorfologicheskaya laboratoriya (zav. - prof. B.S. Khominskiy)
Ukrainskogo nauchno-issledovatel'skogo institut neyrokhirurgii.
(RECKLINGHAUSEN, FRIEDRICH, 1833-1910)

KVITNITSKIY-RYZHOV, Yu.N. (Kiyev)

Morphological characteristics of cerebral edema and swelling.
Arkhn.pat. 22 no.7:52-60 '60. (MIRA 14:1)

1. Iz patomorfologicheskoy laboratorii (zav. - prof. B.S.Khominskiy)
Ukrainskogo nauchno-issledovatel'skogo instituta neyrokhirurgii
(direktor - zasluzhennyy deyatel' nauki prof. A.I. Arutyunov).
(EDEMA) (BRAIN-DISEASES)

KVITNITSKIY-RYZHOV, Yu.N.

History of the investigation of the relationship between central and peripheral factors in neural activity. Zhur.nevr.i psikh. 60 no.1:115-116 '60. (MIRA 13:6)

1. Nauchno-issledovatel'skiy institut neyrokhirurgii (dir. - prof. A.I. Arutyunov) Ministerstva zdavookhraneniya USSR, Kiyev.

(NEUROLOGY hist.)

KVITNITSKIY-RYZHOV, Yu.N. [Kvitnyts'kyi-Ryzhov, IU.M.]; MESTECHKINA, A.Ya.
[Mestechkina, A.IA.]; SERGIYENKO, T.M. [Serhienko, T.M.]

Liquor pressure and the edema and swelling of the brain in experiments with increasing intracranial hypertension attended with inflammatory complications. Fiziol. zhur. [Ukr.] 7 no.1:101-106 Ja-F '61. (MIRA 14:1)

1. Ukrainian Research Institute of Neurosurgery, Kiev.
(BRAIN-DISEASES) (HYPERTENSION)
(EDEMA)

KVITNITSKIY RYZHOV, Yu.N.

Edema and swelling of the cerebral substance under conditions of
occlusive hydrocephalus. Zhur. nevr. i psikh. 61 no.6:848-854 '61.
(MIRA 15:2)

1. Patomorfologicheskaya laboratoriya (zav. - prof. B.S.Khominskiy)
Ukrainskogo nauchno-issledovatel'skogo instituta neyrokhirurgii
(direktor i nauchnyy rukovoditel' - prof. A.I.Arutyunov), Kiyev.
(HYDROCEPHALUS)

KVITNITSKIY-RYZHOV, Yu. N.

Notable documents. Nov. khir. arkh. no.2:80-82 '62.

(MIRA 15:2)

1. Patomorfologicheskaya laboratoriya (zav. - prof. B. S. Khominskiy) Ukrainskogo nauchno-issledovatel'skogo instituta neyrokhirurgii.

(~~MEDICINE~~—CARICATURES AND CARTOONS)

KVITNITSKIY-RYZHOV, Yu.N.

Eminent Czech scientist, Jan Purkyne; on the 175th anniversary of his birth. Vrach. delo no.5:128-132 My '62.
(MJRA 15:6)

1. Nauchno-otraslevaya redaktsiya biologii i meditsiny (zav. - starshiy nauchnyy sotrudnik Yu.N. Kvitnitskiy-Ryzhov) Glavnoy redaktsii Ukrainskoy Sovetskoy Entsiklopedii Akademii nauk USSR.

(PURKYNE, JAN EVANGELISTA, 1787 - 1869)

KVITNITSKIY- RYZHOV, Yu.N. (Kiyev)

Pathomorphological characteristics of acute swelling of the
brain. Vop. neirokhir. 26 no.6&6-9 N-D'62 (MIRA 17&3)

1. Patomorfologicheskaya laboratoriya Ukrainского nauchno-
issledovatel'skogo instituta neyrokhirurgii.

KVITNITSKIY-RYZHOV, Yu.N.

Morphological characteristics of the correlation between swelling and vascular changes in the brain in various forms of cerebral pathology. Vrach.delo no.1:72-75 Ja '63.

(MIRA 16:2)

1. Patomorfologicheskaya laboratoriya (zav. - prof. B.S. Khominskiy) Ukrainskogo nauchno-issledovatel'skogo instituta neyrokhirurgii.

(CEREBROVASCULAR DISEASE) (EDEMA)

KVITNITSKIY-RYZHOV, Yu.N. [Kvitnyts'kyi-Ryzhov, I.U.M.]

Edema swelling of brain substance in various rates of brain compression
in experiments with increasing intracranial hypertension. Fiziol.zhur.
[Ukr] 9 no.3:338-343 My-Je '63. (MIRA 18:1)

1. Ukrainian Research Institute of Neurosurgery, Kiyev.

KVITNITSKIY-RYZHOV, Yu.N. (Kiyev)

Doctor A.O.Kozachkovskii, a friend of Taras Shevchenko. Vrach.
delo no.1:152-154 Ja'64 (MIRA 17:3)

1. Nauchno-otraslevaya redaktsiya biologii i meditsiny (zav. -
starshiy nauchnyy sotrudnik Yu.N.Kvitnitskiy-Ryzhov) Glavnoy
redaktsii Ukrainskoy Sovetskoy Entsiklopedii AN UkrSSR.

KVITNITSKIY, RYZHOV, Yu.N.

Pathomorphological characteristics of acute intumescence of the brain under experimental conditions. Vop. neurokhir. 28 no.1: 12-16 Ja-F '64. (MIRA 18:1)

1. Patomorfologicheskaya laboratoriya (zav. - prof. B.S. Khominskiy) Ukrainского nauchno-issledovatel'skogo instituta neyrokhirurgii (direktor - chlen-korrespondent AMN SSSR prof. A.I. Arutyunov), Kiyev.

KVITSARIDZE, E. P.

Gvishiani, G. S. and Kvitsaridze, E. P. "The effect of 'solyusur'min' [antimonates?] on the organs of blood circulation", Byulleten' (Nauch.-issled. in-t malyarii i med. parazitologii, im Virsaladze), No. 2, 1948, p. 44-50, (In Georgian, resume in Russian).

SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

GVISHIANI, G.S., professor, zaveduyushchiy; KVITSARIDZE, E.P.

Effect of narcotics upon the reactivity of the blood circulation system in dogs with different types of experimental hypertension. Farm. i toks. 16 no.1:10-15 Ja-F '53. (MLRA 6:6)

1. Eksperimental'nyy otdel Instituta klinicheskoy i eksperimental'noy kardiologii Akademii nauk GSSR. (Hypertension) (Narcotics)

1. KVITSARIDZE, O. I.
2. USSR (600)
4. Hydraulics
7. Computation of a system of water pipes of medium diameters including the resistance of the transition zone, Soob. AN Gruz. SSR 12 No. 6 1951

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

KVITSARIDZE, G. I.

Kvitsaridze, G. I.--"Certain Problems of Methods in the Hydraulic Design of Water Supply Network." Cand Tech Sci, Tbilisi Inst of Railroad Transport Engineers, Tbilisi 1953. Referativnyy Zhurnal--Mekhanika Jan 1954

SO: SUM 168, 22 July 1954

KVITSARIDZE, O.I.; KOTETISHVILI, G.A.

Importance of estimated winter outdoor air temperatures for the communities of the Georgian SSR. Soob. AN Gruz. SSR 17 no.5:417-421 '56. (MLRA 9:9)

1. Akademiya nauk Gruzinskoy SSR, Institut stroitel'nogo dela, Tbilisi. Predstavleno akademikom K.S. Zavriyevym. (Georgia--Heating) (Georgia--Sanitation, Household)

KVITSARIDZE, O.

KARTSIVADZE, G., kandidat tekhnicheskikh nauk (Tbilisi); KVITSARIDZE, O.,
kandidat tekhnicheskikh nauk (Tbilisi).

Using high-strength steel in reinforcing lightweight concrete
building elements. Gor. i sel'. stroi. no.2:8-10 F '57.
(Lightweight concrete) (Reinforced concrete) (MIRA 10:6)

SAPARYAN, A.N., KVITSARIDZE, O.I.

Deformation of buildings and structures due to leakage and damage
in water supply and sewer systems. Trudy Inst. stroi. dela AN
Gruz. SSR 6:203-211 '57. (MIRA 11:8)
(Water-supply engineering)
(Strains and stresses)

KARTSIVADZE, G.H., kand.tekhn.nauk; KVITSARIDZE, O.I., kand.tekhn.
nauk; SAGATELOVA, Ye.S., kand.tekhn.nauk; GVELESIANI, L.O.,
kand.tekhn.nauk

Effect of temperature and moisture conditions on the increase
of deflections in bent reinforced concrete construction ele-
ments subjected to long-time loads. Bet. i zhel.-bet. no.1:
27-31 Ja '60. (MIRA 13:5)
(Strains and stresses)

KVITSARIDZE, O.I., kand.tekhn.nauk; QVELESIANI, L.O., inzh.

Relaxation of stresses in wire strands in relaxation to varying
methods of tightening the reinforcement. Bet. i zhel.-bet. no.1.
29-32 Ja '62. (MIRA 15:4)

(Concrete reinforcement)

KVITSARIIDZE, O.I.; SAGATELOVA, Ye.S.: GVELESIANI, L.O.

Long-time deflections of bendable reinforced concrete elements in a
dry climate. Trudy Inst. stroi.mekh. i seism. AN Gruz. SSR 9:189-196
'63. (MIRA 17:12)

KVITSARIDZE, S.H.P.

USSR/Pharmacology. Toxicology. Cardio-Vascular Drugs U-4

Abs Jour : Ref Zhur-Biol., No 7, 1958, 32902

Author : Kvitsaridze Sh. P.

Inst : Tbilisy Scientific-Research Chemico-Pharmaceu-
tical Institute

Title : Digicilene in the Therapy of Patients with Chro-
nic Circulatory Insufficiency (Clinical Observation).

Orig Pub : Sb. tr. Tbilissk. n-i., khim-farmatsevt. in-ta,
1956, kn. 8, 147-159

Abstract : Digicilene (1) is a new galenical drug which con-
sists of an aqueous solution of a number of glu-
cosides of ciliary digitalis (Digitalis ciliata).
One milliliter of 1 contains 5 to 6 LED. Obser-
vations were conducted on 31 patients affected
with circulatory insufficiency on backgrounds of
cardiosclerosis (22), hypertonia (6), and cardiac

Card 1/2

Card 2/2

USSR / Pharmacology. Toxicology. Cardio-Vascular
Drugs. V

Abs Jour : Ref. Zhur - Biologiya, No. 3, 1959, 13849

Author : Kvitsaridze, Sh. P.

Inst : -

Title : Treatment of Patients With Blood-Circulatory
Insufficiency with the Juice of Digitalis
Ferruginea.

Orig Pub : Sabchota Meditsina, 1958, No. 1, 17-19

Abstract : 50 patients with cardiac insufficiency of the
IInd and IIIrd degree were treated with the
juice of leaves of Digitalis ferruginea (I).
Three patients received I in a dose of 5-15
times daily; a therapeutic effect

USSR / Pharmacology. Toxicology. Cardio-Vascular
Drugs.

V

Abs Jour : Ref. Zhur - Biologiya, No. 5, 1959, 13849

course of 5-10 days. Of these, in 14 patients sharp, in 15 average and in 6 negligible improvement was noted. In 12 patients, the treatment was ineffective. The author recommends I as an active cardiac remedy which may replace analogous preparations of Digitalis purpurea.
-- From the author's resume.

Card 2/2

KVITSARIDZE, Sh.P.

Effect of a new cardiac preparation, succudigfer, on the cardiovascular system. Soob. AN Gruz. SSR 29 no.5:615-620 n '62.

(MIRA 18:3)

1. Institut klinicheskoy i eksperimental'noy kardiologii im. M.B. Tsinandzvarishvili AN GruzSSR, Tbilisi. Submitted September 9, 1961.

KVITSARIDZE, Shio Poliyevktovich

[Utilization of Digitalis ferruginea preparations in
practical medicine] [Ispol'zovanie preparatov raznoi
naperstianki v prakticheskoi meditsine. Tbilisi, Ges.
izd-vo "Sabchota Sakartvelo"] 1963. 110 p. [In Georgian]
(MIRA 17:4)

KVITSINIDZE, Ye. R.

MITROPANOV, P.I.; DOKIN, V.A.; TESLYA, S.T.; KVITSINIDZE, Ye. R.

New experiments in controlling the bulb mite *Rhizoglyphus echinopus*
Fum. et Rob. Riul. Glav. bot. sada no.28:91-94 '57. (MIRA 11:1)

1. Sukhumskoye tsvetochno-lukovichnoye khozyaystvo Leningradskogo
gorispolkoma i Abkhazskaya karantinnaya laboratoriya.
(Bulbs--Diseases and pests) (Mites) (Insecticides)

VYKHODETS, D., slesar'; KUZ'MIN, L., slesar'; NAVARENKO, A. (Rubezhnoye);
KOROL', A., slesar' (Kostroma); ZAYNULLIN, G. (Davlekanov,
Bashkirskaya ASSR); KVITSINIYA, E.

On friends and comrades. Sov. profsoiuzy 18 no.8:26-28 '62.
(MIRA 15:4)

1. Remontno-stroitel'nyy zavod imeni Dzerzhinskogo, g. Kiyev
(for Vykhodets). 2. 3-y mekhanicheskiy tsekh Chelyabinskogo
traktornogo zavoda (for Kuz'min). 3. Master smeny kombinata
proizvodstvennykh predpriyatiy Luganskoy oblasti (for Navarenko).
4. Profsoyuznyy organizator gurpp kompleksnoy brigady stroyuprav-
leniya No.1 g. Tbilisi (for Kvitsiniya).
(Labor and laboring classes) (Trade unions)

KVITSINSKIY, A., inzh.

Efficiency of using the Kama-Vychegodsko-Pechora connection for
transportation purposes. Rech. transp. 20 no.9:15-17 S '61.
(MIRA 14:9)
(Russia, Northern--Rivers--Regulation) (Transportation)

KVITSINSKIY, A. I.

Kvitsinskiy, A. I. - "Combined felling in hybrid forest stands," Trudy Sib. lesotekhn. in-ta, Symposium 5, Issue 2, 1947, p. 14-18, - Bibliog: p. 15-18

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

Kvitsinskiy, A.I.

USSR/Forestry. Forestry and Forest Cultivation.

J-3

Abs Jour: Referat Zh-Biol., No 6, 1957, 22561

Author : Kvitsinskiy, A.I.

Inst : 0

Title : Methods of Shortening the Period for Forest Maturation, and Increasing Woodstand Production.

Orig Pub: Nauch. tr. Lvovsk. lesotekhn. in-ta, 1954, 1, 151-171

Abstract: The need is discussed for decreasing the time for forest maturation and increasing woodstand production, which is especially important to forest-deficient districts of the south, east and west. The method of preserving small trees and undergrowth at felling time is effective. The speedy accumulation of reserve woodstands is explained by the fact that the growth at felling time proceeds in the presence of an initial reserve having been formed under the forest canopy together with the formation of ripened woodstands. Thus, 304 thin and young fir trees which

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USSR/Forestry. Forestry and Forest Cultivation.

J-3

Abs Jour: Referat Zh-Biol., No 6, 1957, 22561

remained from the canopy of the maternal woodstand yielded 206 m³ of large size lumber in 50 years, while 1704 fir, pine and birch trunks which appeared after the cutting of the old forest yielded only 147m³ of thin woodstock. At that, the thin trees grew thicker stems than the undergrowth. The planting or sowing of forests by comparison with their growth from the undergrowth or thin trees is not conducive to formation either of a productive or a rapidly-maturing woodstand. This is true of coniferous and foliate trees. The quantity and quality of self-sowing trees and undergrowth depends on the structure of the maternal woodstand. Where the woodstand was a two-tier one and not a one-tier one, the self-sown and the young trees grow better. The woodstand formation develops in such a manner that the thin trees and the undergrowth rapidly growing form the upper tier; the self-sown remains under its canopy. At 45-50 years a two-tier woodstand is formed which may be assigned for felling; under its canopy there will already

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USSR/Forestry. Forestry and Forest Cultivation.

J-3

Abs Jour: Referat Zh-Biol., No 6, 1957, 22561

exist thin and young trees -- the basis of a future woodstand. The cultivation of highly productive pine and foliate woodstands is possible on gray forest soils, podzolic in different degrees, and also on low-yielding mulch-carbonaceous soils. The cultivation of fast-ripening woodstands of foliaceous types was accomplished more easily than that of coniferous. The basic factor securing the possibility of cultivating fast-ripening forests is the two-tier or three-tier structure. To form a fast-growing woodstand ~ 600 stems per hectare are necessary, of the age of 20-30 years, grown under forest cover. Fast-ripening woodstands may also be cultivated on cuttings, plowed by draw plates (?) after a mechanized trelevki. In such a case the thin trees, young trees and self-sowers are preserved between the draw plates, forming a base for the future fast-ripening woodstand.

Card : 3/3

-8-

KVITSINSKIY, A.S., insh.

Efficient organization of lumber transportation. Zhel.dor.transp.
42 no.6:34-37 Je '60. (MIRA 13:7)
(Lumber--transportation)

ZAKHAROV, Aleksey Grigor'yevich; YEFANOV, Anatoliy Nikitovich;
KVITSINSKIY, Anatoliy Sigizmundovich; ORLOVA, I.A., red.

[Efficient distribution of freight shipments between railroads and automotive transportation] Ratsional'noe raspredelenie perevozok грузов mezhdu zheleznoi dorogoi i avto-transportor. Moskva, Transport, 1964. 74 p.
(MIRA 18:1)

USSR / Farm Animals. Silkworms.

Q-7

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45335

Author : Mioradze, A. D.; Kvitsipadze, O. N.; Klimiyashvili, N. N.

Inst : Not given

Title : The Most Favorable Conditions for Spinning Cocoons of the
White Cocoon Breeds of the Mulberry-Feeding Silkworm.

Orig Pub : Byul. Nauchno-tokhn. inform. Gruz. n.-i. in-ta sholko-
vodstva, 1956, I, 32-35.

Abstract : No abstract

Card 1/1

KVIZ, Boris, inz. (Zagreb, Pantovcak 105)

Some achievements in the development of goniometer for the shipping service. *Elektrotehnika* Hrv 5 no.3:68-72 '62.

KVIZ, Boris, ins. (Zagreb, Pantovcak 105)

Radar problems in coastal service. Elektrotehnika Hrv 5 no.3:73-76 '62.

KVIZ, Dalibor, Prim., Dr.

Twisting of the umbilical cord around the fetus and its relation to pathological activity of the uterus. Gask. gyn. 19 no.4:276-282 July 55.

1. Z por.-gyn. odd. OUNZ Kromeriz.

(DYSTOCIA

eff. of twisting of umbilical cord around fetus on contracture of uterus)

(UMBILICAL CORD

twisting around fetus, eff. on contracture of uterus in labor)

(FETUS

twisting by umbilical cord, eff. on contracture of uterus in labor.)

(UTERUS, physiology

eff. of twisting of uterus by umbilical cord on contractures in labor.)

KVIZ, Dalibor, Primar Dr.

Role of the relationship between the head and the small pelvis
in cesarean section. *Cesk. gyn.* 21 no.4:280-283 June 56.

1. Z por. -gyn. oddeleni OUNZ, Kromeriz.
(CESAREAN SECTION,
eff. of relation of head to small pelvis (Cz))

KVIZ, D., MUDr.

Regional principles in care for women. Cesk. zdravot 7 no.7:390-393
Aug 59.

1. Prednosta porodnickogynekologickeho oddeleni OUNZ Kromeriz.
(GYNECOLOGY) (OBSTETRICS)

KVIZ, Dalibor (por.-gyn. odd. OUNZ, Kromeriz)

Further studies on the significance of umbilical coiling around fetus
in obstetric complications. Cesk. gyn. 24[38] no.3:192-193 Mar 59.

1. Por.-gyn. odd. OUNZ Kromeriz, prednosta prim. dr. D. Kviz.
(UMBILICAL CORD,
coiling causing fetal strangulation (Cz))

KVIZ, D.

Some individual psychological aspects in the work of modern
gynecologists. Cesk. gynek. 29 no.1:140-142 F'64

1. Gyn.-por. odd. v Holesove; vedouci: MUDr. D. Kviz.

*

KVIZ, D.

What is the reason for the fall in the curve of gynecological operative mortality. Cesk. gynek. 29 no.5:404-407 Je'64

1. Gyn.-por. odd. UNZ v Holsove; vedouci: dr. D.Kviz.

KVIZ, B. MUDr. (Holesovo, Prilepy 1, okres Kromeriz).

Some disproportions in the organization of the care of women.
Cesk. zdrav. 13 no.3:145-147 Mr '65

1. Gynekologicko-porodnicke oddeleni v. Holesove.

KVIZ, J.

The pallet, an effective instrument of mechanization. p.70 (Nova Technika, Vol.2, no.3, Mar. 1957) Praha

SO: Monthly List of East European Accession (EEAL) LC, Vol.6, no.7, July 1957. Uncl.

KVIZ, J.

Additional device of high-lift trucks for timber handling.
Papir a celulosa 19 no. 3:93 Mr '64.

MEJZLIK, J.; KVIZ, M.; PRIBYL, M.; VESELY, K.

Study on the interaction of titanium chloride with triethyl
aluminum. Chem prum 15 no.2:85-89 F '65.

1. Research Institute of Macromolecular Chemistry, Brno.

Kviz, Zdeněk. On the probability of the discovery of a variable star. Publ. Fac. Sci. Univ. Masaryk 1956, 193-212. (Russian summary)

1 - F/W

The probability of discovery of a variable star by the comparison of pairs of photographic plates of the same area of the sky at different times depends in part on the form of the light curve and on the amplitude. The author presents probability calculations for several forms of light curves, including those typical for RR Lyrae-type variables, cepheids, and long-period variables. The probabilities so obtained disagree in some cases with probabilities obtained by empirical methods. On the other hand, the author remarks, different empirical methods sometimes give substantially different results.

D. Browner (New Haven, Conn.)

Kviz, Z.; Milusek, J.;

Luminosity function of telescopic meteors. p. 1.

Pratislava. Univerzita. Prirodovedecka fakulta. ACTA. Bratislava, Czechoslovakia.
No. 6, Mar. 1958.

Monthly List of East European Accessions, (EEAI) LC, Vol. 8, no. 10, 1959.*Oct.
Uncl.

KVIZ, Z.

Geminids 1955, III. A meteor's perceptibility and the luminosity function.
In English, p. 97

BULLETIN OF THE ASTRONOMICAL INSTITUTES OF CZECHOSLOVAKIA. (Ceskoslovenska akademie
ved. Astronomicky ustav) Praha, Czechoslovakia, Vol. 10, no. 3, May 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

3,1550

40005
S/035/62/000/008/040/090
A001/A101

AUTHOR: Kvíz, Zdeněk

TITLE: The blue clearing on Mars and its possible connection with the meteor-rainfall hypothesis

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 78, abstract 8A536 ("Byul. astron. in-tov Chekhoslovakii", 1961, v. 12, no. 4, 150 - 157, English; Russian summary)

TEXT: Meteor. streams give rise to phenomena in the Earth's atmosphere which can be observed and measured, e.g. specific features in precipitation, emergence of cirrous clouds, formation of crystallization nuclei, etc. Analogous effects of meteoric streams can be manifested in atmospheres of other planets. The blue clearing has apparently the same origin. A conclusion on the probable relation of blue clearing to the Mars heliocentric longitude can be drawn from the known cases of it. In two different time intervals, blue clearings were observed for five values of heliocentric longitude, and recurrences of clearings were discovered at different revolutions of the planet, which indicates the possible effect of meteoric streams. There are 49 references.

[Abstracter's note: Complete translation]

Author's summary

Card 1/1

KVIZ, ZDENEK

I. 41519-65 ARG/EEO-2/ENG(j)/ENT(d)/FBD/FSS-2/ENG(r)/ENT(l)/FBO/EMP(c)/EAC(c)/
 ENT(e)/FS(v)-3/SPF(c)/EEC(k)-2/ENG(s)-2/ESP(i)/ESP(f)/ENG(v)/ESP(c)/ESP(v)/EAA(l)/
 EPR/EMP(j)/T-2/ENG(a)-2/EMP(h)/EPA(bb)-2/EEC(c)-2/EEB-2/ENG(c)/FCS(k)/ESP(b)/
 AM/05110 PL-4/Pw-4/Pk-4/Pn-4/ BOCK EXPLOITATION Pi-4/Ph-4/Pac-2/Ps-4/Pr-4/163
 Po-4/Pe-5/Pq-4/Pac-4/Pr-4 IJP(c) AST/TT/NN/DD/RN/GW/BC/WH
 Barvir, Mironlav, (Engineer); Benes, Konrad, (Professor, Doctor); Bouska, Jiri, (141)
 (Doctor); Hudil, Ivo, (Graduate in Philosophy); Cepelcha, Zdenek, (Candidate of 841)
 Physical and Mathematical Sciences); Cochr, Milan, (Doctor); Kolezal, Vladimir,
 (Doctor); Dvorak, Antonin, (Candidate of Medical Sciences); Dvorak, Josef, (Doctor);
 Guth, Vladimir, (Candidate of Medical Sciences, Docent, Doctor); Hornik, Zdenek,
 (Doctor of Physical and Mathematical Sciences, Corresponding Member of the
 Czechoslovak Academy of Sciences, Professor, Doctor); Hospodar, Jan, (Doctor of
 Physical and Mathematical Sciences, Doctor); Kleczek, Josip, (Doctor); Klest,
 Emil, (Candidate of Physical and Mathematical Sciences); Kolodovsky, Milan; Koml,
 Vladimir (Doctor); Kopecky, Miloslav, (Candidate of Legal Sciences); Krivsky,
 Ladislav, (Candidate of Physical and Mathematical Sciences); Kviz, Zdenek, (Can-
 didate of Physical and Mathematical Sciences); Ledvina, Milan, (Engineer); Malecik,
 Vladimir, (Doctor); Moravek, Milan, (Candidate of Medical Sciences); Mrazek,
 Jaroslav, (Candidate of Medical Sciences, Engineer); Mrazek, Jiri, (Candidate of
 Technical Sciences); Neuzil, Ludck, (Doctor); Novotny, Zdenek, (Candidate of
 Physical and Mathematical Sciences); Novotny, Zdenek, (Doctor); Pernegr, Jaroslav,
 (Doctor); Candidate of Physical and Mathematical Sciences); Pesek, Rudolf, Professor,
 Doctor, Engineer); Pival, Miloslav, (Doctor of Technical Sciences, Corresponding
 member, of the Czechoslovak Academy of Sciences); Flavec, Miroslav, (Doctor);
 Pokorny, Zdenek, (Candidate of Physical and Mathematical Sciences, Docent, Doctor);

Card 1/3
2

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14

Ruml, Vladimir, (Candidate of Medical Sciences, Doctor); Sadil, Josef, (Doctor of Physiological Sciences); Gehnal, Ladislav; Stverak, Jiri, (Doctor); Gyantka, Zdenek, (Doctor); Tuma, Jaroslav, (Candidate of Physical and Mathematical Sciences, Doctor); Tyral, Vaclav, (Docent, Engineer); Ulehla, Ivan, (Candidate of Technical Sciences, Professor, Doctor); Valnicck, Boris, (Candidate of Physical and Mathematical Sciences, Doctor); Vanysek, Vladimir, (Candidate of Physical and Mathematical Sciences, Docent, Doctor); Vlasak, Marian, (Candidate of Physical and Mathematical Sciences, Doctor); Voda, Miloslav, (Engineer)

Principles of astronautics (Zaklady kosmonautiky) Prague, Orbis, 1964. 445 p. illus., biblio. 5000 copies printed.

TOPIC TAGS: cosmonautics, rocket, satellite, space flight, missile b

PURPOSE AND COVERAGE: This publication is a popular scientific reference book for people working in cosmonautics. The book presents a survey of cosmonautics and space flight up to 1 June 1963.

TABLE OF CONTENTS:

Card 2/8

KVIZ, Z.; KVIZOVA, J.

Note on the new meteor stream with the radiant at Uta.
Biul astr Cz 15 no.1:31 '64.

1. University of November 17th, Prague (for Kviz).
2. Astronomical Institute of the Czechoslovak Academy
of Sciences, Ondrejov (for Kvizova).

KVIZ, Z.

On the central peak in lunar craters. Biul str Cz 15 no.6:227-230
'64.

1. Czech Higher School of Technology, Prague.

KVIZ, 2.

Effect of the cosmic dust on the weather. Meteor spravy
17 no.5:148-153 0 '64.

1. Czech Higher School of Technology, Prague.

L 31486-66 FCC GW

ACC NR: AP6023110

SOURCE CODE: CZ/0085/65/000/006/0177/0181

AUTHOR: Kviz, Zdenek

ORG: CVUT, Prague

TITLE: Comets and the periodicity of precipitation singularities

23
B

SOURCE: Meteorologicke zpravy, no. 6, 1965, 177-181

TOPIC TAGS: comet, climatology, atmospheric precipitation

ABSTRACT: Connection between precipitation singularities and the comets of Quadrantides, Tuttle's Comet, and Grigg-Skjellerup's Comet are described. Precipitation singularities caused by these comets in Czechoslovakia, Japan, and Germany are discussed. The study of singularities should be correlated to the study of the movements of comets; although it is relatively easy to study the influence of known comets with a periodicity of a few years, the problem becomes extremely difficult when the trajectories approach the Earth only once every 100 years. Some singularities may also be due to comets that were not yet discovered, or to meteoritic dust. Suitable statistical methods for the study of these phenomena are discussed. Orig. art. has: 7 figures and 6 tables. [JPRS]

SUB CODE: 04, 03 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 001
OTH REF: 013

Card 1/1 mc

UDC: 523.5/6 : 551.577.551.509.331

~~Vladimir Kvizda~~
KVIZDA, V.

✓13619* (Czech.) Mechanization of Welding in Boiler-making Plants. Mechanizace svarování v kotlárnách. Vladimír Kvizda. *Závody*, v. 5, no. 4, Apr. 1956, p. 98-101.
Design features and operation of new mobile equipment, automatic and semiautomatic, for welding longitudinal and other seams of boilers.

KVIZDA, Vladimír, inž.; LIBRA, Otakar, inž.

Brno International Fair 1964. Zvazanie 13 no. 13 201-282 2 162.

J. Kralovopolska strojirna, Brno.

3.1230

S/035/62/000/012/021/064
A001/A101

AUTHORS: Grygar, J., Kvizová, J.

TITLE: The photographic photometry of the comet Burnham 1959 k

PERIODICAL: Referativnyy zhurnal, *Astronomiya i Geodeziya*, no. 12, 1962, 68,
abstract 12A501 ("Byul. astron. in-tov Chekhoslovakii", 1961, v.12,
no. 6, 251 - 254, English; Russian summary)

TEXT: During the time from May 2 to May 4, 1960, 6 photographs of the
comet Burnham were taken with a 20.4-cm astrograph. A recording microdensito-
meter was used for plotting isophotes. Average velocities of particles in the
cometary tail and approximate values of repulsive forces were determined from
changes of isophotes. The order of magnitude of forces agrees with the value
determined by S. V. Orlov for tails of the first type. There are 6 references.

A. K.

[Abstracter's note: Complete translation]

Card 1/1

KVIZ, Z.; KVIZOVA, J.

Note on the new meteor stream with the radiant at Ufa.
Biul astr Cz 15 no.1:31 '64.

1. University of November 17th, Prague (for Kviz).
2. Astronomical Institute of the Czechoslovak Academy of Sciences, Ondrejov (for Kvizova).

KVIZOVA, J.

Close approach of meteor streams and comets to Mars' orbit. Bial str
Cz 15 no.6:230-232 '64.

1. Astronomical Institute of the Czechoslovak Academy of Sciences,
Ondrejov.

KVLENOK, M. I.

35445. Novyy Kolorimetricheskiy metod opredeleniya oyelkon v pishche.--
Podpis': M.I. Kven(!) Gigiyena i sanitariya, 1948, No11, s. 39-41.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 1949

KVLIVIDZE, T.N.

Main directions in the creation of a unified reference and
information in the Georgian S.S.R. NTI no.6:6-7 '65.
(MIRA 18:9)

24814

S/081/61/000/011/005/040

B105/B203

24.5300

AUTHORS: Yungman, V. S., Gurvich, L. V., Kvlividze, V. A.,
Rtishcheva, N. P.

TITLE: Thermodynamic functions of monoatomic and diatomic gases
in a wide temperature range. IV. N^+ , N_2^+ , and NO^+ in
ideal state up to $20,000^\circ K$

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 11, 1961, 40, abstract
11B 292 (Sb. tr. Gos. in-ta prikl. khimii, 1960, vyp. 46,
15 - 28)

TEXT: The thermodynamic functions (Φ_T^* , S_T^0 , and $H_T^0 - H_0^0$) of N^+ , N_2^+
and NO^+ in ideal state up to $20,000^\circ K$ at a pressure of 1 atm were
calculated on an electronic computer. In the values Φ_T^* and S_T^0 at
 $T \leq 10,000^\circ K$, the error does not exceed 0.01 cal/mole/deg, and at
 $T = 20,000^\circ K$ it does not exceed 0.2 cal/mole/deg. The values of the
logarithms of the equilibrium constants for the ionization of N, N_2 , NO
and the dissociation of N_2^+ and NO^+ are given. [Abstracter's note:
Card 1/2

Thermodynamic functions...

Complete translation.]

24814
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B105/B203

X

Card 2/2

GURVICH, L.V. (Moskva); KVLIVIDZE, V.A. (Moskva)

Thermodynamic functions of mono- and diatomic gases over a wide temperature range. Part 1: Method of calculating the thermodynamic functions of monoatomic gases in the ideal state. Zhur.fiz.khim. 35 no.8:1672-1680 Ag '61.

(MIRA 14:8)

(Gas dynamics)

YUNGMAN, V.S.; GURVICH, L.V.; KVLIVIDZE, V.A.; PROZOROVSKIY, Ye.A.;
RTISHCHEVA, N.P. (Moscow)

Thermodynamic functions of mono- and diatomic gases in a wide
temperature range. Part 3: N, N₂ and NO in the ideal state up
to 20000 K. Zhur.fiz.khim. 35 no.10:2182-2189 0 '61.

(MIRA 14:11)

1. Akademiya nauk SSSR, Institut goryuchikh iskopayemykh.
(Nitrogen) (Nitrogen oxide) (Gas dynamics)

KVLIVIDZE, U.A.

PHASE I BOOK EXPLOITATION

SOV/6260

12
Gurvich, Lev Veniaminovich, Georgiy Akopovich Khaohkuruzov, Vadim Andreyevich Medvedev, Inessa Veniaminovna Veyts, Georgiy Andreyevich Bergman, Vladimir Stepenovich Yungman, Nina Petrovna Rtishcheva, Lidiya Fedorovna Kuratova, Georgiy Nikolayevich Yurkov, Amaliya Abramovna Kane, Boris Fedorovich Yudin, Boris Isidorovich Brounshteyn, Viktor Feodosyevich Baybuz, Valeriy Aleksandrovich Kvlividze, Yevgeniy Aleksandrovich Prozorovskiy, and Boris Aleksandrovich Vorob'yev.

Termodinamicheskiye svoystva individual'nykh veshchestv; spravochnik v dvukh tomakh. tom 1: Vychisleniye termodinamicheskikh svoystv; tom 2: Tablitsy termodinamicheskikh svoystv (Thermodynamic Properties of Individual Substances; Reference Book in Two Volumes. v. 1: Calculation of Thermodynamic Properties; v. 2: Tables of Thermodynamic Properties). 2d ed., rev. and enl. Moscow, Izd-vo AN SSSR, 1962. 1161 and 916 p. 4000 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR. Institut goryuchikh iskopyemykh; and Gosudarstvennyy komitet Soveta Ministrov SSSR

Card 1/3

Thermodynamic Properties (Cont.)

SOV/6260

po khimii. Institut prikladnoy khimii.

Resp. Ed.: V. P. Glushko, Academician, L. V. Gurvich, G. A. Khachkuruzov, I. V. Veyts, and V. A. Medvedev; Ed. of Publishing House: K. P. Gurov; Tech. Ed.: V. G. Laut.

PURPOSE: This reference book may be used in scientific-research and experimental-design work in institutes, design offices, and schools of higher education, as well as for training specialists in chemical thermodynamics and thermal physics.

COVERAGE: Volume 1 of this work deals with methods for calculating thermodynamic properties and with the selection of constants required for the calculations. Volume 2 contains tables of thermodynamic properties (reduced thermodynamic potential, entropy, enthalpy, and the logarithm of the dissociation or ionization constants of equilibrium) compiled, where data were lacking, on the basis of published and unpublished material from a number of Soviet research institutes. Thermodynamic properties for the ideal gas

Card 2/9 3

Thermodynamic Properties (Cont.)

SOV/6260

state are presented in table form for 335 gases, 44 liquids, and 45 solids compounded from 33 chemical elements and their isotopes, viz.: H, D, T, He, Li, Be, B, C, N, O, F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar, K, Ca, Br, Kr, Re, Sr, Zr, I, Xe, Cs, Ba, Hg, and Pb. Thermodynamic properties are given for the following 22 gases in the range from room temperature to 20,000°K: H, H⁺, H⁻, O, O⁺, H₂, O₂, OH, OH⁺, H₂O, N, N⁺, N₂, N₂⁺, NO, NO⁺, C, C⁺, CO, CO⁺, and e⁻; for the 14 least stable gases up to 4000°K; and for the remaining 299 gases up to 6000°K. Virial coefficients for 34 gases are also given up to 6000°K.

32643
S/076/62/036/001/015/017
B119/B101

11.4100

AUTHORS: Gurvich, L. V., Kvlividze, V. A., and Rtishcheva, N. P.

TITLE: Thermodynamic functions of monatomic and diatomic gases within a wide temperature interval. V. Alkali metals in the state of an ideal gas up to 10,000°K

PERIODICAL: Zhurnal fizicheskoy khimii, v. 36, no. 1, 1962, 219 - 222

TEXT: The thermodynamic functions of gaseous Li, Na, K, Rb, and Cs (Φ_T^* , S_T^0 , $H_T^0 - H_0^0$) were calculated for temperatures of up to 10,000°K by the method of L. V. Gurvich and V. A. Kvlividze (Zh. fiz. khimii, 35, 1672, 1961). When calculating the statistical sums and the figures derived from them, allowance was made for all the electron states of the individual gases, which are related to the transition of the valence electron into a state with the principal quantum number $n \leq n_{\max}$. $n_{\max} = 2.461 \cdot T^{1/6}$. ✓
 $\log K_p$ was calculated from $\log K_p = 0.21854 [\Phi_T^*(M^+) + \Phi_T^*(\bar{e}) - \Phi_T^*(M) - \frac{I}{T}]$, where $\Phi_T^*(M)$, $\Phi_T^*(M^+)$, and $\Phi_T^*(\bar{e})$ are the values of Φ_T^* of the gaseous alkali metal, Card 1/2

Thermodynamic functions of...

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B119/B101

of its univalent ion, and of the electron gas, respectively; I is the ionization potential of the metal in cal/g-atom. In the sequence Li, Na, K, Rb, Cs, S_T^0 at 298.15°K amounts to 33.1435, 36.7141, 38.2970, 40.6285, 41.9442 and at 10,000°K to 59.2910, 63.5734, 66.8569, 69.3447, 70.8691 cal/g-atom-deg; $H_T^0 - H_O^0$ at 298.15°K amounts to 1481, and at 10,000°K to 115,906, 120,733, 123,644, 122,538, 118,928 cal/g-atom. $\bar{\Phi}_T^*$ at 298.15°K amounts to 28.1753, 31.7459, 33.3288, 35.6603, 36.9760, and at 10,000°K to 47.7004, 51.5001, 54.4925, 57.0909, 58.9763 cal/g-atom-deg. $\log K_p$ at 298.15°K varies from -91.4367 to -66.1187, and at 10,000°K from 0.3467 to 0.5607. There are 1 table and 13 references: 2 Soviet and 11 non-Soviet. The four most recent references to English-language publications read as follows: T. Katz, J. Margrave, J. Chem. Phys., 1955, 23, 983; G. Kolsky, R. M. Gilmer, P. W. Gilles, J. Chem. Phys., 1957, 27, 494; Los Alamos Scientific Laboratory, Report LA-2110, 1957; D. R. Stull, G. C. Sinke, The Thermodynamic Properties of the Elements, Washington, 1956.

ASSOCIATION: Institut goryuchikh iskopayemykh (Institute of Mineral Fuels)
 SUBMITTED: April 15, 1961
 Card 2/2

KVLIVIDZE, V.A.

PHASE I BOOK EXPLOITATION

JUN 507/6860

10

Gurvich, Lev Veniaminovich, Georgiy Akopovich Khachkuruzov, Vadim Andreyevich Medvedev, Inessa Veniaminovna Veyts, Georgiy Andreyevich Bergman, Vladimir Stepanovich Yungman, Nina Petrovna Rtishcheva, Lidiya Fedorovna Kuratova, Georgiy Nikolayevich Yurkov, Amaliya Abramovna Kane, Boris Fedorovich Yudin, Boris Isidorovich Brounshteyn, Viktor Feodosyevich Baybuz, Valeriy Aleksandrovich Kvlividze, Yevgeniy Aleksandrovich Prozorovskiy, and Boris Aleksandrovich Vorob'yev.

Termodinamicheskiye svoystva individual'nykh veshchestv; spravochnik v dvukh tomakh. tom 1: Vychisleniye termodinamicheskikh svoystv; tom 2: Tablitsy termodinamicheskikh svoystv (Thermodynamic Properties of Individual Substances; Reference Book in Two Volumes. v. 1: Calculation of Thermodynamic Properties; v. 2: Tables of Thermodynamic Properties). 2d ed., rev. and enl. Moscow, Izd-vo AN SSSR, 1962. 1161 and 916 p. 4000 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR. Institut goryuchikh iskopyayemykh; and Gosudarstvennyy komitet Soveta Ministrov SSSR

Card 1/5

Thermodynamic Properties (Cont.)

80V/6260 10

po khimii. Institut prikladnoy khimii.

Resp. Ed.: V. P. Glushko, Academician, L. V. Gurvich, G. A. Khachkuruzov, I. V. Veyts, and V. A. Medvedev; Ed. of Publishing House: K. P. Gurov; Tech. Ed.: V. G. Laut.

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Card 2/95

Thermodynamic Properties (Cont.)

SOV/6260

state are presented in table form for 335 gases, 44 liquids, and 45 solids compounded from 33 chemical elements and their isotopes, viz.: H, D, T, He, Li, Be, B, C, N, O, F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar, K, Ca, Br, Kr, Re, Sr, Zr, I, Xe, Cs, Ba, Hg, and Pb. Thermodynamic properties are given for the following 22 gases in the range from room temperature to 20,000°K: H, H⁺, H⁻, O, O⁺, H₂, O₂, OH, OH⁺, H₂O, N, N⁺, Na, N₂, NO, NO⁺, C, C⁺, CO, CO⁺, and e⁻; for the 14 least stable gases up to 4000°K; and for the remaining 299 gases up to 6000°K. Virial coefficients for 34 gases are also given up to 6000°K.

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PART I. METHODS OF CALCULATING THE THERMODYNAMIC PROPERTIES OF INDIVIDUAL SUBSTANCES

Card 3/8

GURVICH, L.V.; KVLIVIDZE, V.A.; RTISHCHEVA, N.P.

Thermodynamic functions of monoatomic and diatomic gases over
a wide temperature range. Part 5. Zhur. fiz. khim. 36 no.1:
219-222 Ja '62. (MIRA 16:8)

1. Institut goryuchikh iskopayemykh AN SSSR.
(Alkali metals) (Thermodynamics)

GURVICH, L.V.; VOROB'YEV, B.A.; KVLIVIDZE, V.A.; PROZOROVSKIY, Ye.A.; TRISHCHEVA, N.P.; YUNGMAN, V.S.

Thermodynamic functions of mono- and diatomic gases within a wide range of temperatures. Part 6: O , O^+ , O_2 , and O_2^+ in the ideal state up to $20\ 000^\circ$ K. Trudy GIPKH no.49:38-60 '62.

(MIRA 17:11)

L 8550-65 EWT(1)/EWT(2) ASD(a)-5/AFTC(b)/AFWL/AFMD(p)/AFETR/SSD/ESD(dp)/
 ESD(t)/RAEM(t) JD/JW S/0058/63/000/011/E002/E002
 ACCESSION NR: AR4044045

SOURCE: Ref. zh. Fizika, Abs. 11E6

AUTHOR: Gurvich, L. V.; Vorob'yev, B. A.; Kvlivdze, V. A.; Prozorovskiy, Ye. A.;
Rtishcheva, N. P.; Yungman, V. S.

TITLE: Thermodynamic functions of monatomic and diatomic gases in a broad
temperature range. VI. O, O⁺, and O₂ in the ideal state to 20,000°K

CITED SOURCE: (Sb. tr.) Gos. in-ta prikl. khimii, v. 49, 1962, 38-60

TOPIC TAGS: thermodynamic function, monatomic gas, diatomic gas, high speed
 computer, computer

TRANSLATION: Gives the results of calculations of thermodynamic functions (G_T^0 , S_T^0
 and $H_T^0 - H_0^0$) O, O⁺, O₂, and O₂⁺, made, in accordance with previously-described methods
 (Journal of Abstracts, Physics, 1D4; 2M10), on a high-speed computer. Bibliography:
 67 references.

SUB CODE: GG, TD

ENCL: 00

Card 1/1

L 8551-65 EWT(1)/EWT(m) SSD/AFMD(p)/AFWL/AFETR/ASD(a)-5/AFTC(b)/ESD(dp)/
ESD(t)/RAEM(t) JD/JW
ACCESSION NR: AR4044046 S/0058/63/000/011/E002/E002

SOURCE: Ref. zh. Fizika, Abs. 11E7 B

AUTHOR: Gurvich, L. V.; Kvlivdze, V. A.; Prozorovskiy, Ye. A.;
Rtishcheva, N. P.

TITLE: Thermodynamic functions of monatomic and diatomic gases in a broad
range of temperatures. VII. C, C⁺, CO, CO⁺ in the ideal state to 20,000°K

CITED SOURCE: (Sb. tr.) Gos. in-ta prikl. khimii, vy*p. 49, 1962, 61-83

TOPIC TAGS: thermodynamic function, monatomic gas, diatomic gas, computer

TRANSLATION: Gives the results of calculations of the thermodynamic functions
(\bar{p}_r^0 , S_r^0 and \bar{h}_r^0) C, C⁺, CO and CO⁺ made on an electronic computer in accordance
with previously described methods (Journal of Abstracts, Physics, 1962, 1D4;
2D10). Bibliography: 73 references, Part VI: see abstract 11E6.

SUB CODE: GC, TD
Card 1/1

ENCL: 00