

VRUCHEV, P.

TECHNOLOGY

Periodical LEKA PROMISHLENOST. TEKSTIL. Vol. 7, no. 7, 1958.

VRUCHEV, P. How we organized the accounting by Mamai's method. p. 31.
Rationalizations introduced in the hosiery industry. p. 33.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

VRUCHEV, P.

Struggle against stoppage in the Asen Khelachev State Commercial
Enterprise. p. 35
LEVA PRAVISHLENOST. Vol. 5, No. 1, 1956
Sofia, Bulgaria

So. East European Accessions List Vol. 5, No. 9 September, 1956

VRUBEL, F.

Relapsing adenoma of the parathyroid glands. Rozhl. chir. 39 no.3:
144-149 Mr '60

I. I. chirurgicka klinika university v Brne, prednosta prof. dr.
J. Podlaha.

(PARATHYROID GLANDS neoplasms)
(ADENOMA case reports)

ZEJDA, V.; VRUBEL, F.; VITEK, J.

Intestinal obstruction due to a gallstone. Rozhl.chir. 39 no.9:
600-606 S '60.

I. I. chirurgická klinika University v Brně, přednosta prof.
dr. J. Podlaha.

(CHOLELITHIASIS compl.)

(INTESTINAL OBSTRUCTION etiol.)

VRUBEL, F.; ZEJDA, V.; VITEK, J.

On the problem of diagnosis and therapy of primary retroperitoneal tumors. Rozhl. chir. 40 no.8:543-547 Ag '61.

1. I chirurgicka klinika University J. Ev. Purkyne v Brne, prednosta prof. MUDr. J. Podlaha.

(RETROPERITONEAL SPACE neopl)

MARTINEK, K.; NINGROVA, B.; VRUBEL, F.

Gastric resection in peptic ulcer and pulmonary tuberculosis. Cas.
lek.cesk 101 no.3:77-81 19 Ja '62.

1. III interni klinika v Brne, prednosta prof. dr. J. Pojer, I chirurgicka klinika v Brne, prednosta prof. dr. J. Podlaha.

(GASTRECTOMY) (TUBERCULOSIS PULMONARY)

VITEK, J.; VRUBEL, F.; ZEJDA, V.

Obstruction of the large intestine in biliary calculi. Cesk.
gastroent. vyz. 15 no.1:64-66 F '61.

1. I chirurgická klinika v Brně, přednosta prof. dr. J. Podlaha.
(INTESTINAL OBSTRUCTION etiol.)
(CHOLELITHIASIS complications)

VRUBEL, Frantisek

Purulent inflammation of the seminal vesicles. Rozhl. chir. 37 no.2:
106-109 Feb 58.

I. I. chirurgická klinika MU v Brně, přednosta prof. Dr. J. Podlaha.
(SEMINAL VESICLES, dis.
inflamm., purulent, diag. & ther. (Cz))

VOKURKA, V.dr.; VRUBEL, F.dr.

Surgical problems of ulcerative colitis. Orv. hetil. 105
no.15:691-693 12 Ap'64.

1. Orvostudományi Egyetem, II. Belgyógyászati Klinika és
I. Sebészeti Klinika, Brno CSSR.

*

ZEJDA, V.; VRUBEL, F.

Osteofibrosis deformans (Jaffe-Lichtenstein). Rozhl. chir. 42 no.1:
68-72 Ja '63.

1. I. chirurgicka klinika fakultni nemocnice v Brne, prednosta prof.
dr. J. Podlaha.

(OSTEITIS FIBROSA) (SARCOMA)
(BONE NEOPLASMS)

ZEJDA, V.; VRUBEL, F.

Perforated peptic ulcer. Rozhl. chir. 44 no.3:164-171 Mr '65.

1. I. chirurgická klinika lékařské fakulty University J.E.
Purkyne, Brno (prednosta: doc. dr. J. Uhlir, DrSc.

MARTINEK, K.; VRUBEL, F.

Disorders of sugar regulation in patients with cancer of the pancreas. Rozhl. chir. 42 no.6:422-425 Je '63.

1. III vnitřní klinika lékařské fakulty UJEP v Brně, přednosta prof. dr. J. Pojer. I chirurgická klinika lékařské fakulty UJEP v Brně, přednosta prof. dr. J. Podlaha, DrSc.
(PANCREATIC NEOPLASMS) (CARBOHYDRATE METABOLISM)
(GLYCOSURIA) (GLUCOSE TOLERANCE TEST)
(DIABETES MELLITUS)

VRUBEL, F.; MARTINEK, K.

Cancer of the pancreas. Rozhl. chir. 42 no.2:92-100 F '63.

I. I. chirurgická klinika lékařské fakulty UJEP v Brně, přednosta
prof. dr. J. Podlaha, DrSc. III. interní klinika lékařské fakulty
UJEP v Brně, přednosta prof. dr. J. Pojer.
(PANCREATIC NEOPLASMS) (BLOOD SEDIMENTATION)
(NEOPLASM METASTASIS)

VRUBEL, F.; VITEK, J.; ZEJDA, V.

Reproperitoneal lipomas. Rozhl.chir. 39 no.11:748-752 N°60.

1. I. chirurgická klinika v Brně, přednosta prof. dr. J.Podlaha.
(RETROPERITONEAL SPACE neopl)
(LIPOMA surg)

VITEK, J.; VRUBEL, F.; ZEJDA, V.

Primary carcinoma of the gastric stump after resection in peptic ulcer. *Cesk. gastroent. vyz.* 15 no.3:224-228 My '61.

1. I chirurgická klinika v Brně, přednosta prof. dr. J. Podlaha.
(GASTRECTOMY compl) (STOMACH NEOPLASMS case reports)

GEYNAL, Ya. [Heinal, J.]; GRDLICHKA, Z. [Hrdlicka, Z.]; VRUBEL', I.

Protective effect of chlortetracycline on the vitality of exsanguinated tissues and organs. Antibiotiki 5 no.6:25-30 N-D '60.
(MIRA 14:3)

1. Institut klinicheskoy i eksperimental'noy khirurgii. Praga-Krch.
(AUREOMYCIN) (HEMORRHAGE)

VRUBEL, I.

Problems of neural control of trophic processes in inflammation.
Compensatory mechanisms at the site of inflammation. Rozhl. chir.
39 no.4:230-236 Ap '60

1. Ustav klinické a experimentální chirurgie, Praha.
(NERVOUS SYSTEM, physiol.)
(INFLAMMATION, exper.)

VRUBEL, J.

Studies on wound healing. IV. Non-healing wounds. Rozh. chir.
34 no.2:96-102 F '60.

1. Ustav klinické a experimentální chirurgie, Praha.
(WOUND HEALING)

VRUBEL, J.

Penetration of hyaluronidase in skin grafts. Cas. lek. cesk. 102
no.17:449-451 26 Ap '63.

1. Ustave klinicke a experimentalni chirurgie v Praze, prednosta
prof. dr. B. Spacek.
(HYALURONIDASE) (SKIN TRANSPLANTATION)

VRUBEL, J.

The suppressive effects of benzpyrene on the manifestations of the increased tonus of the sympathetic nervous system: the influencing of the penetration of hyaluronidase in the skin of the rabbit. Neoplasma, Bratisl. 8 no. 1: 22-26 '61.

1. Institute of Clinical and Experimental Surgery, Praha-Krc, Czechoslovakia.

(BENZOPYRENES pharmacol)
(SYMPATHETIC NERVOUS SYSTEM physiol)
(HYALURONIDASE)
(SKIN physiol)

BUDA, J.; VRUBEL, J.

Sympatholytic activity of dolsin and largactil. Rozhl. chir. 38
no.9:616-619 S '59

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, reditel
prof. dr B. Spacek.

(CHLORPROMAZINE, pharmacol.)

(ANAESTHETICS AND ANTIPYRETICS, pharmacol.)

CERVINKA, F.; LISKA, M.; VRUBEL, J.

Alteration of experimental lymphedema with corticosteroids and
antihistaminics. Cas. lek. cesk. 103 no.28:797-799 6 JI'64

1. Ustav klinicke a experimentalni chirurgie v Praze; reditel:
prof. dr. B.Spacek, DrSc.

EXCERPTA MEDICA Sec 9 Vol 13/9 Surgery Sept. 50

4907. STUDIES ON WOUND HEALING. I. THE IMPORTANCE OF COMPENSATORY PROCESSES IN WOUND HEALING - Studie hojení ran. I. Význam kompenzačních pochodů při hojení ran - Vrubeš J. Klin. a Exp. Chir., Praha - ROZHL. CHIR. 1958, 37/6 (393-398) Graphs 1 Tables 2 Illus. 1
Adrenaline in a dilution of 1:2,000, in a dosage of 0.5 ml. given a.c. impeded direct healing as determined by firmness of the scar. A dose of 0.5 ml. of a 1:10,000 dilution accelerated the healing of similar wounds.

EXCERPTA MEDICA Sec 9 Vol 13/12 Surgery Dec 59

7121. WOUND HEALING. II. THE SIGNIFICANCE OF INSULIN IN COMPENSATORY MECHANISMS EVOKED BY DIFFERENT DOSES OF ADRENALINE
- Studie hojení ran. II. Význam insulinu v průběhu kompenzačních mechanismů vyvolaných různými dávkami adrenalinu - Vrabel J. Úst. Klin. a Exp. Chir., Praha-Krč - ROZHL. CHIR. 1958, 37/12 (807-810)

In alloxan diabetes compensatory processes which usually develop after small doses of adrenaline (1:10,000) in non-diabetic animals and which enhance the firmness of scars, do not occur. Large doses of adrenaline (1:2000) which inhibit healing and reduce the strength of scars can be compensated by a suitable dose of insulin 0.5 U. / 100 g. Simultaneous administration of a dose of adrenaline (1:2000) and a large dose of insulin (1.0 U.) causes deterioration of wound healing or even death. The role of insulin in compensatory processes is discussed.

VRUBEL, J.

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Nerve pathway of Vishnevskii's block. Cas.lek.cesk. 98 no.37:
1153-1158 11 S '59.

1. Ustav klinicke a experimentalni chirurgie, Praha, prednosta
doc.dr. B. Spacek.
(ANESTHESIA CONDUCTION)

EXCERPTA MEDICA Sec 9 Vol 13/7 Surgery July 59

3893. CHANGES IN ADRENAL ASCORBIC ACID AFTER WISHNIEVSKY BLOCK-
ADE - Změny vitamínu C v nadledvinkách po Višněvského blokádě - Vrabel
J. Úst. Klin. a Exp. Chir., Praha-Krč - ČAS. LÉK. ČES. 1958, 97/45 (1428-
1429) Tables 1

Marked falls in lymphocyte count in peripheral blood and adrenal ascorbic acid
content were seen after injection of adrenaline and after Wisniewsky blockade
with 0.25% procaine. The relation of these effects to the mechanism of the block-
ade is discussed.

CZECHOSLOVAKIA

VRUBEL, J., of the Institute of Clinical and Experimental Surgery
(Ustav klinicke a experimentalni chirurgie), Prague, Prof B. SPACEK,
MD, director.

"Penetration of Hyaluronidase in the Skin Graft"

Prague, Casopis Lekarů Ceskych, Vol CII, No 17, 26 April 63, pp 449-
451.

Abstract [Author's English summary]: The influence on the penetration
of hyalorodinase in auto and homoplastic skin grafts in rabbits was
studied. In both kinds of grafts the penetration is greater than in
normal skin. In autotransplants it is highest on the third day and
then in falls to normal. In homotransplants it is higher in the first
days than in autotransplants and keeps on rising till the time when
the graft disintegrates and becomes necrotic. Eleven references, in-
cluding 4 Czech.

1/1

VRUBEL, J.; VRUBELOVA, H.

Effect of sympathectomy and of regional extirpation of the lymph nodes
on the survival of skin grafts. Rozhl. chir. 41 no.10:707-709 0 '62.

1. Ustav klinické a experimentální chirurgie v Praze, ¹¹reditel prof.
dr. B. Spacek, DrSc.

(SKIN TRANSPLANTATION)

(SYMPATHECTOMY)

(LYMPH NODE EXCISION)

VRUBEL, J.

The compensation phase of the action of the procaine block
according to Vishnevskii. Cas. lek. cesk. 98 no.29-30:921-924
17 July 59

1. Ustav klinicke a experimentalni chirurgie, Praha, reditel
prof. dr. B. Spacek.
(ANESTHESIA, CONDUCTION)

~~VRIBEL, J.~~ (Prahá-Krc, Budejovicka 800)

Effect of procaine Wisniewsky blockade on blood sugar. Cas. lek. cesk.
98 no.4:101-104 23 Jan 59.

1. Ustav klinické a experimentální chirurgie, Praha, přednosta doc. dr.
B. Spacek.

(ANESTHESIA, REGIONAL, eff.

procaine block on blood sugar in dogs & rabbits (Cz))

(BLOOD SUGAR, eff. of drugs on
same)

(PROCAINE, eff.
same)

VRUBEL, J. (Praha-Krc, Budejovicka 800)

Changes of leukocyte blood picture following Vishnevskii's block.
Cas. lek. cesk. 98 no.12:373-375 20 Mar 59.

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, prednosta
prof. dr. Bohumil Spacek.

(ANESTHESIA, REGIONAL, effects,

procaine nerve block, eff. on leukocyte count (Cz))

(LEUKOCYTE COUNT,

eff. of procaine nerve block (Cz))

(PROCAINE, effects,

nerve block, on leukocyte count (Cz))

VRUBEL, J. (Prahá-Krc Budejovická 800.)

Changes of adrenal vitamin C following Vishnevskii's block. Cas. lek. cesk. 97 no.45:1428-1429 7 Nov 58.

1. Ustav klinické a experimentální chirurgie Prahá-Krc prednosta doc. Dr. B. Spacek.

(ANESTHESIA, REGIONAL, eff.

Vishnevskii's procaine block, on adrenal vitamin C (Cz))

(ADRENAL CORTEX, metab.

vitamin C, eff. of Vishnevskii's procaine block (Cz))

(VITAMIN C, metab.

adrenal cortex, eff. of Vishnevskii's procaine block (Cz))

CERVINKA,F.; KRAJICEK,M.; LISKA,M.; VRUBEL,J.....

Notes on the question of the antigenicity of collagen. Folia
biol. (Praha) 10 no.2:94-97 '64.

1. Institute of Clinical and Experimental Surgery, Prague.

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VRUBEL, J.

Survival of homoplastic skin grafts after influencing the recipient with antibodies against the recipient. Cas.lek.cesk 100 no.13:416-418 31 Mr '61.

1. Ustav klinicke a experimentalni chirurgie v Praze, reditel prof. dr. B. Spacek.

(SKIN TRANSPLANTATION immunol)

VRUBEL, J.

Contribution to the mechanism of action of non-specific pathogenic therapy. Cas.lek.cesk 100 no.40:1257-1262 6 0 '61.

1. Ustav klinicke a experimentalni chirurgie Praha-Krc, reditel prof. dr. B. Spacek.

(THERAPEUTICS)

VRUBEL, J.

Indirect colour lymphography in skin grafts. Folia biol. 7 no,3:
181-184 '61.

1. Institute of Clinical and Experimental Surgery, Prague-Krč.
(SKIN TRANSPLANTATION exper)
(LYMPHATIC SYSTEM transpl)

VRUBEL, J.; VRUBELOVA, H.

Prolonged survival of secondary graft after extirpation of regional lymph nodes. Cas. lek. cesk. 101 no.22:693-694 1 Je '62.

1. Ustav pro klinickou a experimentalni chirurgii, Praha, prednosta prof. dr. B. Spacek.

(LYMPH NODES surgery) (SKIN TRANSPLANTATION exper)
(TRANSPLANTATION exper)

VRUBEL, J.

Mediatory nervous regulation of carbohydrate metabolism. Cas. Lek.
Cesk. 101 no.9:281-285 2 Mr '62.

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, reditel prof.
dr. B. Spacek.

(GLYCOGEN metab) (MUSCLES metab)
(SULFHYDRYL COMPOUNDS pharmacol) (PARASYMPATHOLYTICS pharmacol)

VRUBEL, J.

Significance of regional lymphatic system for the development and suppression of transplantation immunity. Rev. Czech. med. 7 no.3:207-213 '61.

1. Institute of Clinical and Experimental Surgery, Prague-Krc. Director: Prof. B. Spacek, M. D.

(LYMPHATIC SYSTEM physiol) (TRANSPLANTATION immunol)

VRUBEL, J.; VAVREJN, B.

Effect of repeated small doses of beta-irradiation on survival
of skin homotransplants. Cas.lek. cesk. 102 no.46:1272-1273
N°63.

1. Ustav klinicke a experimentalni chirurgie v Praze, reditel
prof.dr. B.Spacek, DrSc.

*

VRUBEL, J.

The influence of the glycogen level in tissue inflammations.
Rozhl. chir. 40 no.12:782-785 '61.

1. Ustav pro klinickou a experimentalni chirurgii Praha, reditel
prof. B. Spacek, clen korrespondent CSAV.
(INFLAMMATION exper.) (GLYCOGEN chem.)
(SKIN chem.) (MUSCLES chem.)

VRUBEL, J.

Effect of Vishnevskii's procaine block on the carbohydrate metabolism.
Cas.lek.cesk 100 no.31:981-985 4 Ag '61.

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, reditel prof.
MUDr. B. Spacek.

(ANESTHESIA CONDUCTION) (BLOOD SUGAR)

VRUBEL, Jiri (Praha 14, Krc. Budejovicka 800)

Effect of carcinogens on hyaluronidase. Neoplasma, Bratisl. 6 no.1:56-61
1959.

1. Institut fur Klinische und Experimentelle Chirurgie, Prag.
(CARCINOGENS, effects,
on hyaluronidase spreading eff. (Ger))
(HYALURONIDASE, effects,
spreading eff., eff. of carcinogens (Ger))

VRUBEL, J. (Praha-Krc, Budejovicka 800)

~~Studies on wound healing. I. Importance of compensatory processes in~~
wound healing. Rozhl. chir. 37 no.6:393-398 June 58.

1. Ustav klinicke a experimentalni chirurgie, Praha, prednosta doc.
Dr. B. Spacek.

(EPINEPHRINE, eff.

on wound healing (Cz))

(WOUNDS AND INJURIES

healing, eff. of epinephrine (Cz))

VRUBEL, JIRI

VRUBEL, Jiri; Technicka spoluprace: J. Hnatek, M. Kaufman.

~~_____~~
Influence of various degrees of inflammation on the permeation of
hyaluronidase. Rozhl. chir. 35 no.4:238-244 Apr 56.

1. Ustav klinicke z experimentalni chirurgie, Praha-Krc.
(HYALURONIDASE
eff. of body temperature on permeation in rabbits (Cz))
(BODY TEMPERATURE, eff.
on hyaluronidase permeation in rabbits (Cz))

EXCERPTA MEDICA Sec.9 Vol.11/5 Surgery May 1957
VRUBEL J.

2373. VRUBEL J. Ust. Klin. a Exprim. Chir., Praha. "Ovlivneni pruniku hyaluronidasy ruznymi stupni zánětu. The influence of varying degrees of inflammation on the permeation of hyaluronidase ROZHL. CHIR. 1956, 35/4 (238-244) Graphs 3 Tables 5 illus. 1

The action of Višněvski's block on the course of the inflammation was studied by means of the different permeation of hyaluronidase which was injected into the rabbits intradermally. The hyaluronidase scatter was used as a test for the sympathetic or parasympathetic preponderance in the inflamed tissue. The inflammation of the skin was caused by varying degrees of temperature. If burning was preceded by a 0.25% procaine block a temperature of 75°C. inhibited the scatter of hyaluronidase compared with a control group without block. A temperature of 100°C. caused a rise in the scatter when compared with the control site as well as with the group without block.

Niederle - Prague

EXCERPTA MEDICA Sec.2 Vol.10/10 Phy.Biochem. Oct 57
VRUBEL J.

4391. VRUBEL J. Úst. Klin. a Exp. Chir., Praha. *Ovlivnění Schwartzmanova fenoménu nervovou činností. The effect of nervous activity on the Shwartzman phenomenon ČAS. LÉK. ČES. 1957, 96/15 (451-457)
Tables 8

The influence of sympathectomy and division of the sciatic nerve on the Shwartzman reaction in the hind limb of rabbits has been observed. Sympathectomy previous to injection lowered the intensity of the reaction, as compared to the control side. On the other hand, sciatic section increased the reaction. The mechanism of this is discussed.

VRUBEL, J.

The influence of nervous activity on the Shwartzman phenomenon.
Rev. Czech. M. 4 no.1:1-11 1958.

1. Institute of Clinical and Experimental Surgery, Prague, Director:
Doc. B. Spacek.

(ALLERGY, exper.

Shwartzman phenomenon in rabbit leg, eff. of sympathectomy &
section of sciatic nerve.)

(SYMPATHECTOMY, eff.

on Shwartzman phenomenon in rabbit leg)

(NERVES, SCIATIC, surg.

eff. of section of nerve on Shwartzman phenomenon in rabbit
leg)

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VRUBEL, J.

Effect of nervous activity on Schwartzman phenomenon. Cas.
lek. cesk. 96 no.15:451-457 12 Apr 57.

1. Ústav klinické a experimentální chirurgie, Praha.
(SYMPATHOTOMY, eff.
on Schwartzman phenomenon (Gs))
(NERVES, SCIATIC, surg.
division, eff. on Schwartzman phenomenon (Gs))

MALEK, P.; CERVINKA, F.; VEUBEL, J.; KOIC, J.

New concepts of etiology and of pathogenic therapy of puerperal mastitis with special reference to pemphigus mastitis strain of Staphylococcus; clinical studies. Cesk. gyn. 18 no.4:306-313 Aug 1953. (GLML 25:4)

VRUBEL, Jiri; Technicka spoluprace: J. Hnatek, M. Kaufman, L. Bufka

Effect of adrenalin and acetylcholine on hyaluronidase activity.
Cas. lek. cesk. 45 no.36:981-984 7 Sept 56.

1. Ustav klinicke a experimentalni chirurgie, Praha. Praha-Krc,
Budejovska 800.

(EPINEPHRINE, eff.

on hyaluronidase activity, determ. by skin penetration
of thorostrast in rabbits (Cz))

(ACETYLCHOLINE, eff.

same)

(HYALURONIDASE, eff. of drugs on
acetylcholine & epinephrine, determ. by skin penetration
of thorostrast in rabbits (Cz))

(CONTRAST MEDIA,

thorostrast penetration of skin in rabbits, in determ. of
acetylcholine & epinephrine eff. on hyaluronidase activity
(Cz))

VRUBEL, J.

MALEK, P;HOUBA, V;VRUBEL, J;VRUBELOVA, J.

Experimental study on the effect of hyaluronidase on infiltration
anesthesia with procaine. Rozhl. chir., Praha 31 no.1:5-11 1952,
(GLML 22:2)

1. Of the Second Surgical Clinic (Head--Prof. Davis, M. D.) of
Charles University, Prague and of Biogena National Enterprise
(Director--Mlcochova, M. D.)

VRUBEL, J.

Effect of roentgen rays on the level of hyaluronidase inhibitors.
Cas.lek.cesk 100 no.10:305-307 10 Mr '61.

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, prednosta
prof. dr. B. Spacek.

(RADIATION EFFECTS exper) (HYALURONIDASE antag)

VRUBEL, J.

Effect of neural activity on the penetration of hyaluronidase.
Cas.lek.cesk 100 no.10:308-311 10 Mr '61.

1. Ustav klinicke a experimentalni chirurgie, Praha-Krc, prednosta
prof. dr. B. Spacek.

(HYALURONIDASE pharmacol) (NERVOUS SYSTEM physiol)

VRUBEL, J.

Effect of arterial or venous ligation on the penetration of hyaluronidase. Cas.lsk.cesk 100 no.12:379-381 24 Mr '61.

1. Ustav klinicke a experimentalni chirurgie, Praha, reditel prof. dr. B. Spacek.

(HYALURONIDASE pharmacol)

CZECHOSLOVAKIA

VRUBEL, J.; VAVREJH, B.; Institute of Clinical and Experimental Surgery (Ustav Klinicke a Experimentalni Chirurgie) in Prague, Manager (Reditel) Professor Dr B. Spacek.

"The Effect of Repeated Small Doses of Radioactive Beta-Radiation on the Survival of Skin Homo-grafts."

Prague, Casopis Lekarů Ceskych, Vol 102, No 46, 1963, pp 1272 - 1273

Abstract: (Authors' English summary) Survival of skin homo- and autografts on rabbits ears after local effect of small doses of radioactive beta radiation was studied. Doses were 60 rep, 120 rep and 180 rep respectively within 6 days. It was found that the period of survival of homografts became shorter with the increasing dosis of radiation, while the autografts showed no macroscopic changes. 1 Table, 5 Western, 2 Czech references.

1/1

J

POLAND/Soil Science - Soil Biology.

Abs Jour : Ref Zhur Biol., No 19, 1958, 86794

Author : Vrubel', T., Golembavska, Yu.

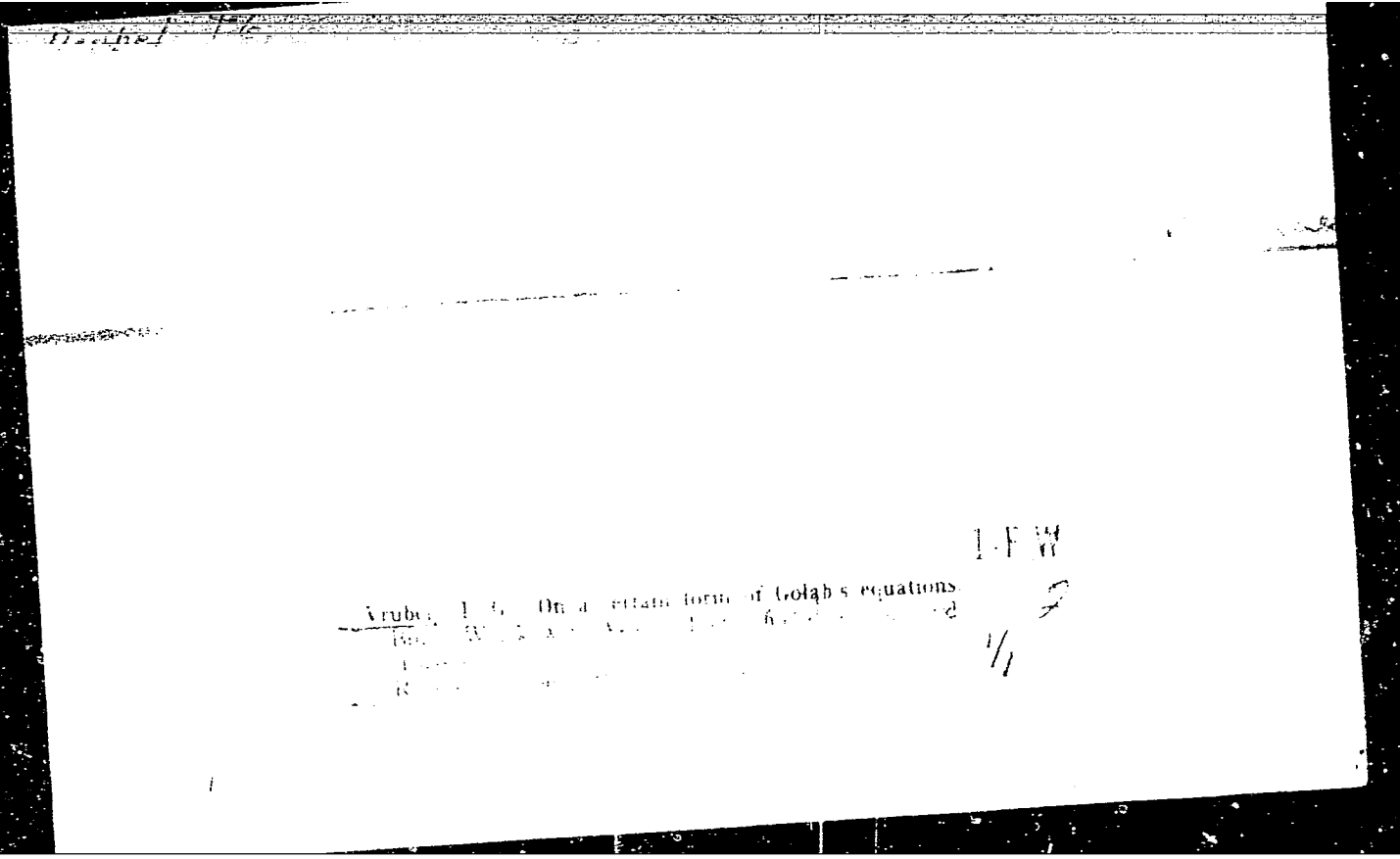
Inst :

Title : The Inoculation of Leguminous Plants with Nodule-forming Bacteria in Various Soils.

Orig Pub : Acta microbiol. polon., 1956, 5, No 1-2, 121-124

Abstract : A study was made of the effects of nodule-forming bacteria on the crop and on N accumulation in alfalfa, lupine, saradelle, peas in sandy, sandy loam, alluvial soils, podzolic loam, loess and chernozem in vegetation experiments. With bacterization, the alfalfa especially in sandy, sandy loam soils and loess produced the greatest gains in crop and N. The pea crop was raised only on sandy loam soil and podzolic loam, of lupine in all soils, saradelle in podzolic loam and especially in alluvial soil. It is noted that the dimensions, forms, arrangement, coloration of the root

Card 1/2



VRUBEL, J.; VRUBELOVA, H.

Effect of sympathectomy and of regional extirpation of the lymph nodes
on the survival of skin grafts. Rozhl. chir. 41 no.10:707-709 0 '62.

1. Ustav klinicke a experimentalni chirurgie v Praze, reditel prof.
dr. B. Spacek, DrSc.

(SKIN TRANSPLANTATION)

(SYMPATHECTOMY)

(LYMPH NODE EXCISION)

VRUBEL', Yurii Andreyevich, inzh.

[M-103 and M-104 motorcycles; design, operation and
repair] Mototsikly M-103 i M-104; ustroistvo, eks-
pluatatsiia, remont. Minsk, Belarus', 1064. 201 p.
(MIRA 18:1)

VRUBEL, J.; VRUBELOVA, H.

Prolonged survival of secondary graft after extirpation of regional lymph nodes. Cas. lek. cesk. 101 no.22:693-694 1 Je '62.

1. Ustav pro klinickou a experimentalni chirurgii, Praha, prednosta prof. dr. B. Spacek.

(LYMPH NODES surgery) (SKIN TRANSPLANTATION exper)
(TRANSPLANTATION exper)

VRUBELOVA, J.

MALEK, P.; HOUBA, V.; VRUBEL, J.; VRUBELOVA, J.

Experimental study on the effect of hyaluronidase on infiltration
anesthesia with procaine. Rozhl. chir., Praha 31 no.1:5-11 1952.
(CLML 22:2)

1. Of the Second Surgical Clinic (Head--Prof. Divis, M. D.) of
Charles University, Prague and of Biogena National Enterprise
(Director--Mlcochova, M. D.)

VRUBELOVA, J.

MINAR, J.; FIRT, P.; HEJAL, L.; JADRY, J.; POSSNER, M.; STUCHLIK, Z.; SAUER, J.;
VRUBELOVA, J.; ZAK, R.

Clinical experiences with the treatment of severe hemorrhage. Roshl.
chir. 36 no.4:235-242 Apr 57.

(HEMORRHAGE, ther.

rapid extensive intravenous transfusion (Cz))

(BLOOD TRANSFUSION, in var. dis.

hemorrh. rapid extensive intravenous transfusion (Cz))

VRUBLEVICH, Ye.I.; KORNEV, T.Ya.

Some problems of the Pre-Cambrian stratigraphy of the southern part of
the Yenisey Range. Mat. po geol. i pol.iskop.Kras.kraia no.3:13-19 '62.
(MIRA 17:2)

GENERAL PROBLEMS OF PATHOLOGY. TUMORS. CONCEPTS
CATEGORY : General Problems of Pathology. Tumors. Conceptive Oncology
ABST. JOUR. : RZBiol., No. 12 1958, No. 56545
AUTHOR : Levin, A.Z., Vrublevskaya, A.A.
INSTIT. : Krasnoyarsk Medical Institute
TITLE : Primary Cancer of the Ear

ORIG. PUB. : Sb. Nauchn. Tr. Krasnoyar. Med. In-ta, 1955, No.4, 229-232

ABSTRACT : Three cases are described of a rare localization of cancer in the middle ear in patients aged 37, 38, and 53 years. The diagnosis of this cancer is very difficult, because of the location. Only histologic studies demonstrated the malignant character of the disease. Radical operation yielded only a temporary palliation, and recurrences and death followed soon after. In the presence of chronic inflammation of the middle ear with purulence and granulation, biopsy should be performed regardless of the age of the patient.
-- G.A.Reynberg

CARD: 1/1

VRUBLEVSKAYA, A.A.; RAYEVSKI', A.S.

The Mediterranean branch of a polar front. Trudy UkrNIIGMI no.43:
126-132 '64. (MIRA 18:4)

VRUBLEVSKAYA, B.; ZONN, V.

New variable star in the vicinity of β Cassiopeiae. Astron. tsir.
no. 217:11 D '60. (MIRA 14:3)

1. Varshavskaya astronomicheskaya observatoriya.
(Stars, Variable)

RUSINOV, A.A.; VOSKOBOYNIKOV, V.N.; DUBINKO, T.P.; ILYUSHIN, V.I.;
~~VRUBLEVSKAYA, F.L.~~; BUNCHUK, M.I.; RYABEN'KIY, L.M.; MARGOLIN,
D.I.; SAZYKINA, K.V., kand.ekon.nauk; BUGAREVICH, V.S.;
KUPTSOVA, V.A.; KALINOVSKIY, M.D.; MELESHKEVICH, O.A.;
TYABUT, M.A., red.; LAZARCHIK, K., red.; KALECHITS, G.,
tekhn.red.

[Reference book on the establishment of work norms on collective farms] Spravochnik po normirovaniu truda v kolkhozakh. Minsk, Gos.izd-vo BSSR, Red.sel'khoz.lit-ry, 1960. 151 p. (MIRA 14:3)

1. Akademiya sel'skokhozyaystvennykh nauk BSSR. Institut ekonomiki. 2. Institut ekonomiki i organizatsii sel'skokhozyaystvennogo proizvodstva Akademi sel'skokhozyaystvennykh nauk BSSR (for Voskoboynikov, Dubinko, Ilyushin, Vrublevskaya, Bunchuk, Bugarevich, Kuptsova, Kalinovskiy). 3. Starshiy inspektor Upravleniya po orgkolkhoznym delam Ministerstva sel'skogo khozyaystva BSSR (for Meleshkevich).

(Agriculture--Production standards)

KHAZANOV, Ye.I.; SAFONOVA, Ye.G.; VRUBLEVSKAYA, I.A.

Composition and properties of dolomites from the Irkutsk Province.
Trudy Vost.-Sib. fil. AN SSSR no.43:142-153 '62. (MIRA 16:3)
(Irkutsk Province—Dolomites—Analysis)

vrubleuskaya, I. N.

39-3-6/6

AUTHOR: VRUBLEVSKAYA I.N. (Leningrad)

TITLE: On the Geometric Equivalence of Trajectories of Dynamic Systems
(O geometricheskoy ekvivalentnosti trayektoriy dinamicheskikh sistem)

PERIODICAL: Mat.Sbornik. 1957, Vol.42, Nr.3, pp.361-424 (USSR)

ABSTRACT: This is a detailed representation of the author's results announced four years ago (Doklady Akad.Nauk,Ser.Mat., 1954, Vol. 97, pp.9-12 and 197-200) with a definition of the notion of the type of trajectories deviating from the usual one. 12 Soviet references are quoted.

AVAILABLE: Library of Congress

Card 1/1

Vrublevskaya, I. N.

44-1-254

TRANSLATION FROM: Referativnyy zhurnal, Matematika, 157, Nr 1,
p. 37 (USSR)

AUTHOR: Vrublevskaya, I. N.

TITLE: On Repairable Diagrams (0 remontiruyemykh skhemakh)

PERIODICAL: Tr. 3-go Vses. matem. s"yezda, 2, Moscow,
AN SSSR, 1954, p 134

ABSTRACT: A finite connected graph without loops is called a K-repairable diagram, if after the removal of any K of its elements, all the remaining peaks will be connected. The conditions of K-repairability, as well as the methods of constructing a two-repairable diagram, are formulated.

Card 1/1

VRUBLEVSKAYA, I. N.

Dynamic Systems

Dissertation: "Geometrical Equivalence of Trajectories of Dynamic Systems." Cand Phys-Math Sci, Mathematics Inst imeni A. V. Steklov, Acad Sci USSR, Oct-Dec 1953. (Vestnik Akademii Nauk, Moscow, Mar 54)

SO: SUM 213, 20 Sep 1954

Inst. Math in Steklov

Vrablevskaya, I. N.

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Vrublevskaya, I. N.

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PB-21
ALEKSANDROV, V.V.; VRUBLEVSKAYA, L.V.; KOLLEROV, D.K.; KUZNETSOVA, N.V.;
SKORIK, I.L.

Standard buffer solutions and the determination of their
pH in the temperature range of 0 to 95°C. Trudy inst.
Kom. stand., mer i izm. prib. no.68:59-79 '63.

(MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. D.I. Mendeleyeva i Khar'kovskiy gosudarstvennyy universitet.

5(4)
AUTHORS: Grinberg, A. A., Vrublevskaya, L. V., Gil'dengershel', Kh. I.,
Stetsenko, A. I. SOV/78-4-5-13/46

TITLE: New Data Concerning the Acid-basic Properties of Complex Com-
pounds (Novyye dannyye po kislотно-osnovnym svoystvam kom-
pleksnykh soyedineniy)

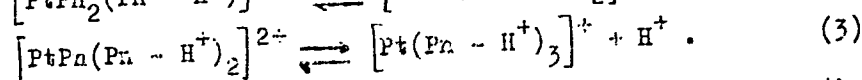
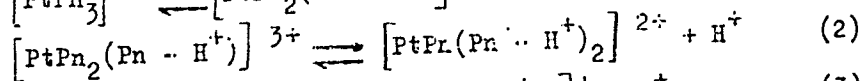
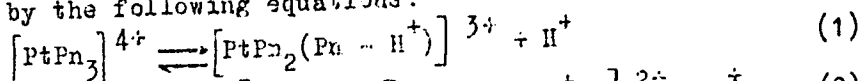
PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 5,
pp 1018-1027 (USSR)

ABSTRACT: The present paper was submitted at the VII All-Union Con-
ference on the Chemistry of Complex Compounds at Leningrad
on October 11, 1956. The behavior of acid-basic complex com-
pounds and the solvation equilibria in aqueous solutions
of ammoniacates and amines of metal was investigated. The
acid properties of the propylene-diammine-derivatives of
quadrivalent platinum as well as the acid properties of cis-
 $\text{Pt}(\text{NH}_3)_4\text{Cl}_2$ were investigated. The cis-isomer of the propylene-
diammine-derivative Pt^{4+} was for the first time synthesized.
Card 1/4 The acid properties of this compound were determined by

SOV/78-4-5-13/46

New Data Concerning the Acid-Basic Properties of Complex Compounds

potentiometric titration by means of the glass electrode. Figure 1 shows the titration curve of $[\text{PtPn}_3]\text{Cl}_4$ with NaOH. The process of the acid dissociation of $[\text{PtPn}_3]^{4+}$ is described by the following equations:



It was shown that the cis-isomer is a dibasic acid with the following dissociation constants: $K_1 = 6.1 \cdot 10^{-9}$ and

$K_2 = 4.4 \cdot 10^{-11}$. The trans-isomer is a weak monobasic acid,

$K_1 = 1.8 \cdot 10^{-11}$. The potentiometric titration of the isomeric

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compound $[\text{PtPn}_2\text{Cl}_2]\text{Cl}_2$ was investigated. The dissociation

SOV/78-4-5-13/46

New Data Concerning the Acid-basic Properties of Complex Compounds

constants of this compound are the following: $K_1 = 4.3 \cdot 10^{-10}$ and $K_2 = 4.9 \cdot 10^{-11}$. The acid properties of the cis-isomers of the propylene-diammine-cycle are more marked than those of the corresponding ammine derivatives. $[\text{PtPn}_3]\text{Cl}_4$ is a tri-basic acid. The constants of the stepwise dissociation are the following: $3.9 \cdot 10^{-6}$; $2.5 \cdot 10^{-10}$ and $2.1 \cdot 10^{-11}$. The acid properties of the following preparations were investigated: $[\text{Co}(\text{NH}_3)_6]\text{Cl}_3$, $[\text{Coen}_3]\text{J}_3$, $[\text{Iren}_3]\text{J}_3$, $[\text{Rhen}_3]\text{J}_3$. The titration curves of this compound are shown by figures 4 and 5. The causes of the cis-effect and of the acidity of the propylene-diammine-derivatives of quadrivalent platinum are discussed. On the basis of experimental data the stepwise dissociation of $\text{Pt}(\text{Thio})_4(\text{OH})_2$ (Thio = $\text{SC}(\text{NH}_2)_2$) is calculated. The constants K_1 and K_2 are approximately $10^{-5} - 10^{-6}$ and $10^{-9} - 10^{-10}$ respectively. There are 5 figures and 26 references, 11 of which are Soviet.

Card 3/4

VRUBLEVSKAYA, L.V. Cand Chem Sci (diss) "New data on acid characteristics of complex compounds." Len, 1957 10 pp 20 cm.
(USSR Min Higher Ed.) Leningrad Order of Labor Red Banner Technol
Inst in Lenovert. Chair of Gen Chem) 100 copies
(KL, 12-57, 103)

YEREMENKO, V.V., kand. tekhn. nauk; VRUBLEVSKIY, L.Ye., inzh.;
BEZVERKHIY, A.A., inzh.

Overall use of clay shale from West Siberia for the
production of porous aggregates. Stroif. mat. 9 no.8:
10-12 Ag'63. (MIRA 17:5)

VRUBLEVSKAYA, Nina [Yrubleuskaia, Nina] (derevnia Otminovo, Novograd-
skogo rayona).

No, we cannot forget that. Rab. 1 sial 36 no. 7:6 JI '60.
(MIRA 13:10)

(Novogradok District--World War, 1939-1945--Underground movements)

MAZING, M.A.; VRUBLEVSKAYA, N.A.

Broadening of spectral lines in a strongly ionized plasma. Opt.
i spektr. 16 no.1:11-16 Ja '64. (MIRA 17:2)

S/051/62/013/003/002/012
E202/E435

AUTHORS: Mazing, M.A., Vrublevskaya, N.A.

TITLE: Broadening of spectral lines in a strongly ionized plasma. II. Broadening of the inert gases ions lines

PERIODICAL: Optika i spektroskopiya, v.13, no.3, 1962, 308-312

TEXT: Using spark discharge energized by an ИГ-2 (IG-2) generator (14 kV, 0.02 μ F, approx. 10 μ l), operating at atmospheric pressures, the broadening and the shift of 12 lines of Ne II and 22 lines of Kr II were measured. The results were very similar to those found during the earlier measurements of the Ar II and He I lines by the present authors (ZhETF, 36, 1959, 1329; Izv. AN SSSR, ser. fiz., 23, 1959, 1017; Tr. FIAN, 15, 1961, 55). The lines were divided into three groups. The first in which the shift did not exceed 0.5 cm^{-1} , which were of 2 to 3 cm^{-1} width having a width to shift ratio $R = 5$ to 10. The second group comprised lines with 1 to 3 cm^{-1} shift and with 4 to 6 cm^{-1} broadening where $R = 2$ to 4. The third group included lines with a shift of 4 to 5 cm^{-1} and broadening of 8 to 10 cm^{-1} , giving the lowest $R = 2$ to 2.5. The tables which include the calculated and observed R values contain also the Card 1/2

Broadening of spectral lines ...

S/051/62/013/003/002/012
E202/E435

earlier data on Ar II and He I. Detailed experimental data were given by M.A.Mazing (Tr. FIAN, 15, 1961, 55). There are 1 figure and 2 tables.

SUBMITTED: June 21, 1961

Card 2/2

ACCESSION NR: AP4011480

S/0051/64/016/001/0011/0016

AUTHOR: Mazing, M.A.; Vrublevskaya, N.A.

TITLE: Concerning broadening of spectrum lines in strongly ionized plasma. 3. Wavelength of the lines of multiple charged ions

SOURCE: Optika i spektroskopiya, v.16, no.1, 1964, 11-16

TOPIC TAGS: spectrum line, spectrum line shift, spectrum line broadening, ion spectrum line, aluminum(III), tin(IV), silicon(III), multicharged ion, electron density, hot plasma

ABSTRACT: The purpose of the present work was to determine to what extent the wavelength of the lines of highly ionized atoms are sensitive to the electron concentration in plasma. Accordingly, there were carried out measurements of the broadening and wavelength of the lines of a number of ions in spark sources (the only type yielding a sufficiently hot plasma) with greatly different electron densities. Specifically, there were measured the widths and frequencies of the spectrum lines of Al III, Si III, Si IV and Sn IV in spark discharges in air. The electron concentration was varied by varying the parameters of the spark generator. One spark unit

Card 1/1

ACC.NR: AP4011480

(IG-2 spark unit) yielded an oscillatory discharge, while the other yielded a powerful aperiodic discharge. The discharge voltage in both cases was 14 kV; the electron densities per cm^3 were estimated as 1.5×10^{17} and 6×10^{17} . The spectra were recorded by means of a DFS-3 diffraction grating spectrograph with a dispersion of 2 \AA/mm . The wavelength of the lines corresponding to several transitions in the emitted ions are tabulated. Comparison shows that the lines shift by as much as 1 \AA in going from one discharge condition to the other; also the recorded wavelengths differ from the tabulated values, but there is no consistent regularity in the variation. In addition to change in the wavelength of the lines, significant changes in the line width were observed in going from one discharge condition to the other. The line broadening was attributed mainly to the quadratic Stark effect on the basis of theoretical evaluations. There is linear correlation between the line width and shift. It is concluded that for constructing level diagrams for highly ionized atoms one should not use direct experimental results but the results of series of measurements with extrapolation to "zero" electron density. Unperturbed lines can be observed in modern "hot plasma" installations with an electron density of 10^{13} – 10^{14} cm^{-3} , but in such installations the lines may be shifted to some extent due to directed ion motion. "In conclusion, the authors express their deep gratitude to S.L.Mandel'shtam for suggesting the problem and for constant interest in the work." Orig.art.has: 5 formulas, 2 figures and 2 tables.

Card 2/3 2

VRUBLEVSKAYA, N. A.; MAZING, M. A.; MARINKOVIC, M.

7

"Spectral Al III Line Broadening and Shift in Strongly Ionized Plasma."

report submitted to 11th Intl Spectroscopy Colloq, Belgrade, 30 Sep-4 Oct 63.

Physics Inst im P.N. Lebedev, AS USSR, Moscow.

VRUBLEVSKAYA, N.A.; MAZING M.A.

"Spectral Al III broadening and shift in strongly ionized plasma."

Report presented at the Spectroscopicum, 11th Intl. ~~Callon~~, *Colloquium*
Belgrade, Yug, 30- Sep- 4- Oct 63.

L 23746-66 EMT(1)/EMT(m) LJP(c) JD/JG/AT
ACC NR: AP6007214 SOURCE CODE: UR/0056/66/050/002/0343/0348

81
77
B

AUTHORS: Mazing, M. A.; Vrublevskaya, N. A.

ORG: Institute of Physics im. P. N. Lebedev, Academy of Sciences
SSSR (Fizicheskly Institut Akademii nauk SSSR)

TITLE: Spectroscopic investigation of the elastic scattering of
slow electrons by cesium and argon atoms

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 50,
no. 2, 1966, 343-348

TOPIC TAGS: elastic scattering, electron scattering, cesium, argon,
absorption spectrum, line shift, absorption edge, quantum number

ABSTRACT: Measurements were made of the shift, due to the presence
of cesium and argon atoms, of the absorption lines of cesium near the
edge of the principal series at the wavelength 3183 Å. Hydrogen and
krypton lamps were used as sources of the continuous spectrum. The
absorption spectra were measured with a spectrograph (VFS-3) having
a dispersion of 2 Å/mm. An iron-arc spectrum was superimposed on the
Card 1/2

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ACC NR: AP6007214

spectrum under investigation to establish the absorption-line positions. The spectra were recorded at cesium-atom densities $(0.1 - 2.5) \times 10^{17} \text{ cm}^{-3}$. The measurements were made with lines having principal quantum numbers $n = 18, 47$, and in some cases up to $n = 54$. The shift of the lines along the series was not constant even for large $n > 40$. The results were compared with the theoretically calculated amplitudes of elastic scattering of electrons by cesium and argon atoms in the electron energy range $\sim 0.005 - 0.05 \text{ ev}$. Extrapolation of the measured shift to the edge of the series gave the values of the cross section for the elastic scattering of the electrons at zero energy, $(1.5 \pm 0.4) \times 10^{-13} \text{ cm}^2$. The limits of applicability of this result are discussed. The authors thank V. A. Alekseyev, L. A. Vaynshteyn, S. L. Mandel'shtam, and I. I. Sobel'man for interest in the work and a discussion of the results. Orig. art. has: 2 figures and 7 formulas.

SUB CODE: 20/ SUBM DATE: 05Aug65/ ORIG REF: 005/ OTH REF: 008

Card

2/2

TIBURSKAYA, N.A.; VRUBLEVSKAYA, O.S.

Shortened course of treatment for tertian malaria using haloquine associated with quinocide. Med.paraz.i paraz.bol. 33 no.4:436-438
Jl-Ag '64. (MIRA 18:3)

1. Otdel meditsinskoy protozoologii Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Martsinovskogo Ministerstva zdravookhraneniya SSSR, Moskva.

SERGIYEV, P.G.; TIEURSKAYA, N.A.; VHUBLEVSKAYA, O.S.

Possibility of medicinal prevention of quartan malaria during blood transfusion by the administration of galokhin to the recipient. Med. paraz. i paraz. bol. 32 no.6:696-700 N-D '63 (MIRA 18:1)

1. Iz otdela protozoologii (zav. - prof. Sh.D. Moshkovskiy) Instituta meditsinskoy parazitologii i tropicheskey meditsiny imeni Ye.I. Martsinovskogo (direktor - prof. P.G.Sergiyev) Ministerstva zdravookhraneniya SSSR.

TIBURSKAYA, N. A.; VRUBLEVSKAYA, O. S.

- Effectiveness and tolerance of quinocide when used with schizontropic preparations in tertian malaria. Med. paraz. i paraz. bol. no.6:654-660 '61. (MIRA 15:6)

1. Iz otdela protozoologii Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye. I. Martzinovskogo Ministerstva zdravookhraneniya SSSR (dir. - prof. P. G. Sergiyev, zav. otdelom - prof. Sh. D. Moshkevskiy)

(MALARIA) (QUINOLINE)

VRUBLEVSKAYA, V.A., inzh.

Effect of external flow turbulence on the turbulent boundary layer.
Izv. vys. ucheb. zav.; energ. 3 no. 7:108-115 J1 '60. (MIRA 13:8)

1. Moskovskiy ordena Lenina energeticheskiy institut. Predstavlena
kafedroy parovykh i gazovykh turbin.
(Gas turbines--Aerodynamics)

S/143/60/000/007/007/010
A189/A029

AUTHOR: Vrublevskaya, V.A., Engineer

TITLE: On the Effect of the Outer Flow Turbulence Upon the Turbulent
Boundary Layer |

PERIODICAL: Energetika, 1960, Vol 3, Nr 7, pp 108-115

TEXT: The author investigates the influence of the outer flow upon the ²³ turbulence of the boundary layer in the flow-through section of a turbine. Starting with the experimental results obtained by the National Bureau of Standards /Ref 2/ which prove a close relation between the friction stress and the so-called "turbulent pressure", the analysis of the effect of the initial turbulence upon the boundary layer is conducted with the aid of Karman's relation. Calculation formulas are given. There are 5 graphs, 1 photograph, and 4 Soviet references. ✓
C

ASSOCIATION: Moskovskiy ordena Lenina energeticheskiy institut (Moscow
Order of Lenin Institute of Power Engineering; Kafedra

Card 1/2

S/143/60/000/007/007/010
A189/A029

On the Effect of the Outer Flow Turbulence Upon the Turbulent Boundary Layer

parovykh i gazovykh turbin (Department of Steam and Gas Turbines)

✓
c

SUBMITTED: April 5, 1959

Card 2/2

VRUBLEVSKAYA, V.A., inzh.

Effect of the initial flow turbulence on the characteristics of
guiding and working lattices of the turbines. Teploenergetika
7 no.6:39-44 Je '60. (MIRA 13:8)

1. Moskovskiy energeticheskiy institut.
(Aerodynamics) (Turbines)

VRUBLEVSKAYA, Z.V.; IVANOVA, G.L.; ORLOV, L.G.

Regularities of the formation of a dislocation structure in Fe and Mo during cold plastic deformation. Fiz. met. i metalloved. 20 no.3:448-454 S '65.

(MIRA 18:11)

1. Institut metallovedeniya i fiziki metallov Tsentral'nogo nauchno-issledovatel'skogo instituta chernoy metallurgii im. Bardina.

ACC NR: AP6033054

SOURCE CODE: UR/0126/66/022/002/0286/0289

AUTHOR: Vrublevskaya, Z. V.; Orlov, L. G.ORG: Central Scientific Research Institute of Ferrous Materials
(Tsentralnyy nauchno-issledovatel'skiy institut chernoy metallurgii)TITLE: Lamellar structure of molybdenum 27SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 2, 1966,
286-289TOPIC TAGS: molybdenum, molybdenum^{BASE} alloy, cold rolling,
molybdenum alloy structure, molybdenum lamellar structure, CRYSTAL
DISLOCATION, METAL GRAIN STRUCTURE, SOLID MECHANICAL PROPERTYABSTRACT: The dislocation structure of cold-rolled molybdenum (con-
taining about 0.1% zirconium and 0.2% titanium) has been investigated
by microscopy. Cold-rolled molybdenum sheet 0.1 mm thick was reduced
to a foil by electrolytic polishing in a 90% solution of H₂SO₄. The
structure of cold-rolled molybdenum was made up of subgrains, mostly
of elongated shape, separated from each other by dislocation walls or
networks. The dislocation density within subgrains was relatively low.
In addition to the usual structure of cold-rolled metals, there were
some extended structural formations resembling grain or subgrain
boundaries. These formations are assumed to be boundaries located in

Card 1/2

UDC: 548.4