

PETERSON, D.F.

3512. REVERSAL OF WATER CIRCULATION IN STEAM GENERATORS. Mochan, S.I., Peterson, D.F. and Gusov, B.S. (Energomashinostroenie (Mash. Leningrad), July 1956, 7-12). The results of experimental investigation of the conditions of water circulation reversal in the rising tubes of a boiler, carried out on a test stand, are presented. Measurements of wall temperature of the vertical and inclined tubes under these conditions are discussed.

3
Full

C.F.A.

PETERSON, D.F., kand. tekhn. nauk

At the Conference of the Scientific and Technical Councils of the
All-Union Heat Engineering Institute (named after F.Dzerzhinskii)
and of the Central Scientific Research Institute for Boilers and
Turbines. Energoshinostroenie 8 no.1:46 Ja '62.

(MIRA 15:3)

(Boilers)

SOV/124-57-3-2895

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 38 (USSR)

AUTHOR: Peterson, D. F.

TITLE: Some Results of Tests Relative to a Study of the Circulation in High-pressure Steam Boilers (Nekotorye itogi opytov po izucheniyu tsirkulyatsii v parovykh kotlakh vysokogo davleniya)

PERIODICAL: V sb.: Gidrodinamika i teploobmen pri kipenii v kotlakh vysokogo davleniya. Moscow, AN SSSR, 1955, pp 67-88

ABSTRACT: A presentation of the results of an investigation of the circulation in high-powered steam boilers under 110 kg/cm² pressure, fired by pulverized coal mined in the Moscow region. The investigations were carried out in the Central Boiler and Turbine Institute between 1947 and 1951. The aim of the tests was a study of the distinctive features of the circulation in high-pressure steam boilers and a verification of the effect of the use of mine-and-mill furnaces on the circulation regime within such boilers.

Yu. A. Lashkov.

Card 1/1

PETERSON, D.P., kand. tekhn. nauk; KRASYAKOVA, L.Yu., kand. tekhn. nauk.

Drum temperature conditions in the TP-240 boiler. *Energomashino-*
stroenie 3 no.10:10-15 0 '57. (MIRA 10:12)

(Boilers)

PETERSON, D.F.,

"Nekotorye itoge opytov po izucheniyu tsirkulyatsii v parovykh kottlakh vysokogo davleniya," Hydrodynamics and heat transfer during boiling in high pressure boilers. (Gidrodinamika i teploobmen pri kipenii v kottlakh vysokogo davleniya) U.S.S.R. Academy of Sciences (Moscow: The Academy, 1955, 25 pp.; also Teploenergetika (Heat Engngng, Moscow), 1956, No. 3). This is a summary of several papers describing experiments on the circulation of water in the form of a steam and heat transfer in boiler tubes.

PETERSON, E.

Resources of wild fruits and berries. p. 12.

BICLO ICIESKAJA NAKTA; SELSKUM I LESUM BICELASTV'. (Latvijas PSR
Zinatnu akademijs. Bioloģijas zinatnu nodala) hira, La via, No. 3, 1957.

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. ,
August 1959.
Uncla.

PETERSO, E.

Edible and poisonous mushrooms in Latvia. p. 51

BIOLG ICHESNAIA DAIKA; SIBSIA I L. SIAI HOCPEASTVI. (Latvijas PSR
Zinatnu akademijs. Bioloģijas zinatnu nodala) Riga, Latvia, No. 3, 1957.

Monthly list of East European Accessions (EIAI), IC, Vol. , No. ,
August 1959.
Uncla.

PETTESCH, E.

Acclimatization of grapes in Latvia. p. 75.

PILCU DABESKALA MAUKA; SELSKAJI UN LAUKAJI RHOZIALSTVA. (Latvijas PSR
Zinatnu akademijs. Bioloijas zinatnu nodala) Riga, Latvia, no. 3, 1957.

Monthly list of East European Accessions (EEAI), LC, Vol. 5, No. 1,
August 1959.
Uncla.

PETERSON, E.

Cultivation of grapes in unheated greenhouses. p. 79.

BICLO ICESHALA MANEA; SĪMSONE I LĪSMANĀ PĀCĪAISTVĒ. (Latvijas Pasaules Zinatnu akademijs. Bicolijas zinatnu nodala) ģiņa, Latvia, no. 1, 1957.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

OZOLS, A.M., akademik, otv. red.; TSINOVSKIY, Ya.P., kand. biol. nauk, red.;
OZOLS, E.Ya., kand. sel'khoz. nauk, red.; EGLITIS, V.K., kand.
sel'khoz. nauk, red.; PETERSON, E.K., kand. biol. nauk, red.;
DYMARSKAYA, O., red.; ZHUKOVSKAYA, A., tekhn. red.

[Collection of papers on the protection of plants; materials]
Sbornik trudov po zashchite rastenii; materialy. Riga, Izd-vo
Akad. nauk Latviiskoi SSR, 1956. 266 p. (MIRA 14:12)

1. Nauchnaya konferentsiya po voprosam zashchity rasteniy. 1st,
Riga, 1956. 2. Akademiya nauk Latviyskoy SSR i Institut biologii
Akademii nauk Latviyskoy SSR (for Ozols, TSynovskiy). 3. Pribal-
tiyskaya stantsiya zashchity rasteniy (for Ozols, E.Ya.). 4. Lat-
viyskiy nauchno-issledovatel'skiy institut zemledeliya (for
Eglitis).

(Plants, Protection of)

OZOL, A.M. [Ozols, A.], akademik, otv. red.; GUBAR', G.D. [Gubar, G.],
kand. sel'khoz. nauk, red.; PETERSON, E.K. [Petersons, E.],
kand. sel'khoz. nauk, red.; CHUL'TS, I., red.

[Photosynthesis and the productivity of plants] Foto-
sintez i produktivnost' rastenii. Riga, Izd-vo "Zinatne,"
1965. 112 p. (MIRA 18:6)

1. Latvijas Padomju Socialistiskas Republikas Zinatnu
Akademija. Biologijas instituts. 2. AN Latvyskoy SSR (for
Ozol).

PETERSON, E.K.

Acclimatization of grapes in the Latvian S.S.R. Trudy Bot.inst.
Ser.6 no.7:152-154 '59. (MIRA 13:4)

1. Institut biologii AN LatvSSR, Riga.
(Latvia--Viticulture)

PETERSON, EIZHEN KARLOVICH.

Musu senes. Riga, Latvijas PSR Zinatnu akademijs, 1956. 63 p. (Our mushrooms)
DA Not in DLC

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

PETERSON, S. K. In Latvian

PETERSON, S. K. -- Viniculture in the Latvian SSR." Latvian Agricultural Academy, 1950
In Latvian (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Izvestiya Ak. Nauk Latvyskoy SSR, No. 9, Sept., 1955

PETERSON, E. Yu. (Riga)

Incompatible prescriptions of ointments with penicillin. Apt.
delo ll no.6864-65 N-D'62 (MIRA 1787)

PETERSON, E.Yu.

Materials from a study of the kinetic extraction of antibiotics
(phytoncides) from garlic. Apt. delo 9 no. 5:92 S-C '60.

(MIRA 13:10)

(PHYTONCIDES) (GARLIC)

PETERSON, E.Yu.

Extraction of garlic phytoncides by sunflower seed oil. Med.
prom. 12 no.12:28-33 D '58 (MIRA 11:12)

1. Pyatigorskiy farmatsevticheskiy institut.
(PHYTONCIDES)
(SUNFLOWER SEED OIL)

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- 75 -

11.
Section 1.

518.566.2 : 621.317.34 : 621.396.822
6647. Discussion relative to radio noise. H. O.
PETERSON. U.S.S.R. Proc. 13th Gen. Assembl. B.
283-91 (Pt. 71, 1950).

Measurements of radio noise on frequencies from
16 to 30 kc/s by determining the field strength required
to operate a receiving printing telegraph machine so
as to produce 10 mutilated characters per 1000 trans-
mitted from a local signal generator. It is found that
field strength is $\propto (\text{frequency})^{1.2}$; also peak ampli-
tudes of stronger atmospheric pulses are \propto effective
bandwidth of the receiver. G. M. BROWN

1950, 1.

Use of new antirickettsia remedies in Latvia. p. 182.

BRUNO, J. P. M.; BRUNO, J. P. M. (L. 1950, 1.)
Zinatnu akademijs. Bioloģiskā Zinatņu nodaļa, Latvia, N. 1, 1950.

Monthly list of East European Accessions (EEAI), I, Vol. 1, No. 1,
August 1950.
Uncls.

PETERSON, I. I.

Idling of the equipment has been reduced and profits rose.
Stek. i ker. 24 no. 9:44 8/1/66. (MIRA 18:00)

1. Nachal'nik planovo-ekonomicheskogo tsentra stekloizgotovitel'nogo zavoda "Neman".

PETERSON, I. O., Cand Biol Sci -- (diss) "New anti-rachitis agents in bird-culture." Riga, 1960. 16 pp; (Ministry of Higher Education USSR, Latvian State Univ im P. Stuchka); 300 copies; price not given; (KL, 18-60, 149)

USSR/Diseases of Farm Animals. Diseases Caused by Viruses R
and Rickettsiae.

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40612.

Author : Peterson, K.

Inst : ESTONIAN Academy of Agriculture.

Title : The Problem of Foot-and-Mouth Disease Complications
and Their Prophylaxis.

Orig Pub: Sb. nauchr. tr. Est. s.-kh. akad., 1957, 3,
249-258.

Abstract: When 2,693 heads of large horned cattle of various
ages were examined, complications were found in 311
(11.3 percent) of them. Most frequently observed
were heart afflictions and blood circulation dis-
turbances (8.4 percent), udder inflammations (4.3
percent), pussy hoof corona inflammations (four

Card : 1/2

by Viruses and Rickettsiae.

Abs Jour : Ref Zhur-Biol., No 2, 1950, 92-93.

Author : Petrova, I.

Inst :

Title : Complications accompanying Foot-and-Mouth Disease and Preventive Measures.

Card File : Veterinaria, 1950, No 2, 4-15

Abstract : In the presence of the foot-and-mouth disease, in bovines, disturbances of the cardiovascular system was frequently observed. Also observed were the inflammation of the udder, purulent inflammation of the coronary of the hoof, etc. Analysis of the frequency and the nature of the complications showed that there

: 1/3

by Viruses and Rickettsiae.

Abs Jour : Ref Zhur-Biol., No 20, 1950, 92-90

were more complications where the conditions of feeding and caring for the animals were poor. The Ca content of the serum of the diseased animals was lower by 1.0 mg percent and the more severe the course of the disease, the lower was the Ca content. To increase the resistance of the cow organism and to prevent complications accompanying foot-and-mouth disease, intravenous injection of calcium chloride solution was used. One also used solutions of magnesium and glucose chloride, of calcium and magnesium chlorides, furacilin in a physiological solution (1:5000 in a dose

Card : 2/3

12 4 1 1
PETERSON, K., assistant.

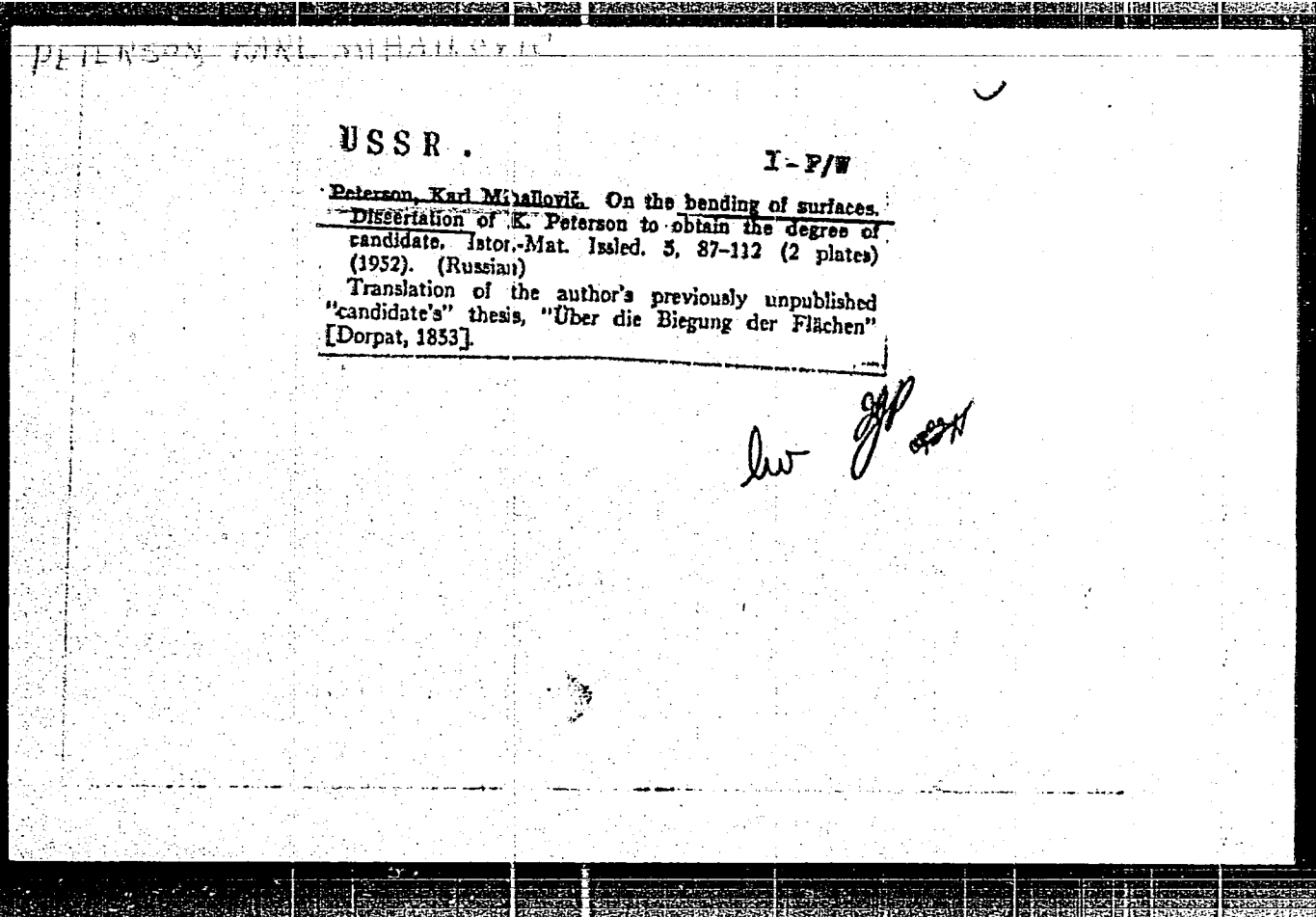
Complications from foot-and-mouth disease and methods for their
prevention. Veterinaria 34 no.7:40-45 J1 '57. (NLRB 1957)
(Foot-and-mouth disease)

PETERSON, K., starshiy prepodavatel'

Effect of foot-and-mouth disease on milk yield. Veterinariia
35 no.12:40-42 D '58. (MIRA 11:12)

1. Estonskaya sel'skokhozyaystvennaya akademiya, kafedra
epizootologii, mikrobiologii i vetsanekspertizy.
(Foot-and-mouth disease) (Dairying)

PETENSON, K.A. Cond Vet Sci (disc) "On complications ^{in the process} ~~in the process~~ of hoof and mouth disease and ~~the effects~~ ^{the effects} of this epizootic disease ^{of} in the milk yield of cows in the Estonian SSR." Tartu, 1956. 17 pp 20 cm. (Eston Agr Acad) 150 copies (KL, 11-57, 100)



USSR .

I-P/W

Peterson, Karl Miĭallovich. On the bending of surfaces.
Dissertation of K. Peterson to obtain the degree of
candidate. Istor.-Mat. Issled. 5, 87-112 (2 plates)
(1952). (Russian)
Translation of the author's previously unpublished
"candidate's" thesis, "Über die Biegung der Flächen"
[Dorpat, 1853].

lw JH

PETERSON, L. P. In Latvian

PETERSON, L. P. -- "Certain Measures for Combating the Spread of Virus Diseases of Potatoes." Acad Sci Latvian SSR, Inst of Microbiology, 1952. In Latvian (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Izvestiya Ak. Nauk Latvyskov SSR, No. 9, Sept., 1955

BARON, S., kand. fiz.-matem. nauk; PALLUM, E.; PETERSON, M.

On two theorems of Chow and their generalizations for double series. Izv. AN Est. SSR. Ser. fiz. mat. i tekhn. nauk 11 no.4: 277-287 '62. (MIRA 16:1)

1. Tartuskiy gosudarstvennyy universitet i Institut kibernetiki AN Estonskoy SSR.

(Series)

PETERSON, Maurice, J.

10-131. Use of the spectroscope in the Determination of the Constituents of
Boiler Scale and related Compounds,

NYC

Allan Gabriel, Howard W. Jaffe, and Maurice J. Peterson, American Society for Testing
Materials Preprint 116, 1947. 6 p.

immediate source clipping

100-451,250

Alton, Gabriel, American...
116, 1143, 11p.

OBOLENTSEV, P.D., red.; KUREPINA, G.N., red. izd-va; PETERSON, M.M.,
tekh. red.

[Dimensional accuracy and surface quality of castings]Tochnost'
i kachestvo poverkhnosti otlivok. Moskva, Mashgiz, 1962. 150 p.
(MIRA 15:12)

(Foundries—Quality control)

PETERSON M.M.

KITAYENKO, G.I., laureat Stalinskoy premii, redaktor; PETERSON, M.M.,
tekhnikheskiy redaktor

[Handbook for electricians] Spravochnik elektromontazhnika. Izd.
2., dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i
sudostroit. lit-ry, Vol. 1. 1954. 584 p. (MLRA 7:10)
(Electric apparatus and appliances)
(Electricity on ships)

BOGDANOV, V.M., zasl. izobretatel' RSFSR; BOBYSHEV, B.A., inzh.,
retsenzent; SVEFDLOV, M.I., kand. tekhn. nauk, red.;
VARKOVETSKAYA, A.I., red.izd-va; PETERSON, M.M., tekhn.
red.; BARDINA, A.A., tekhn. red.

[Sectional die-stamping of parts in short-scale production]
Shtampovka detalei po elementam v melkoseriinom proizvod-
stve. Izd.2., perer. i dop. Moskva, Mashgiz, 1963. 186 p.
(MIRA 16:8)

(Sheetmetal work)

YUSHCHENKO, Artemiy Pavlovich, professor; KOZHUKHOV, V.P., otvetstvennyy
redaktor; KUZNETSOV, A.D., redaktor izdatel'stva; PETERSON, M.M.,
tekhnicheskiy redaktor

[A system of least squares] Sposob naimen'shikh kvadratov.
Leningrad, Izd-vo "Morskoi transport," 1956. 163 p. (MLRA 9:10)
(Least squares)

VERETE, Arnol'd Grigor'yevich; GUSEV, M.N., kandidat tekhnicheskikh nauk, retsenzent; MARENKOV, N.A., redaktor; PETERSON, N.M., tekhnicheskiiy redaktor

[Repair of ships' shaft lines] Remont sudovykh valoprovodov. Lenin-grad, Izd-vo "Morskoi transport," 1955. 124 p. (MLRA 9:10)
(Ships--Maintenance and repair)
(Shafts and shafting)

PETERSON, M.P.

Convenient method for taking small quantities of blood serum.
Lab.delo 8 no.8:40-41 Ag '62. (MIRA 15:9)

1. Sektor kurortologii (rukovoditel' - prof. P.D.Perli) Instituta
eksperimental'noy klinicheskoy meditsiny AN Latviyskoy SSR.
(HEMATOLOGY--EQUIPMENT AND SUPPLIES)

PETERSON, K. P.

2/4224

PETERSON, K. P. Skorosť' evaluatsii človeka o boha (Vieška človeka) in človeka
človeka. Izvestiya Akad. nauk Latv. SSR, 1984, No. 4, S. 77-78. -
latyš. Yas.-Režurne ČA SSS.- Yas.- Bibliogr: 12 Yasv.

SC: Letopis, 10. 32, 1980.

PETERSON, M. P. In Latvian

PETERSON, M. P. -- "Nutritive Value of Beans *Vicia Faba*." Acad Sci Latvian SSR, Inst of Microbiology, 1950. In Latvian (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Izvestiya Ak. Nauk Latvyskov SSR, No. 9, Sept., 1955

ROBEZHNIKES, I.A.; SKULME, K.A.; PETERSON, M.P.

Oxidation of ascorbic acid by human gastric juice. Latvijas PSR Zinātņu
Akad. Vēstis '51, 757-60. (MIRA 5:10)
(GA 47 no.22:12597 '53)

PETERSON, M.P.

2817. Comparative ligand for the composition of plasma proteins in patients with chronic polyarteritis of various aetiologies. I. M. P. Peterson *Trav. Inst. Med. Univ. S.S.S.R.*, 1945, No. 6, 77-89; *Referral. ZN. Biol.*, 1956, Absir. No. 73698. — In 67 patients with various forms of chronic polyarteritis the composition of the plasma proteins was studied by fractional pptn. with $(NH_4)_2SO_4$. In chronic infective polyarteritis of undetermined aetiology there was increase in the content of globulin in 75% of cases corresponding to the γ - and β -fractions. In cases of sub-acute rheumatic polyarteritis there was an increase in the globulin corresponding to a mixture of the α - and β -fractions. In the remaining cases of rheumatic polyarteritis the globulin fraction in 7% of cases was within the normal limits and in 21% of cases was raised. (Hussler)

D. H. SHYAM

PERLI, P.D.; PORTNOV, F.G.; PETERSON, M.P.; SKARD, Ya.V.; SHUL'TS, I.,
red.; BITAR, A., tekhn. red.

[Treatment of patients at the health resorts of Latvia] Le-
chenie bol'nykh na kurortakh Latviiskoi SSR, 1963. 213 p.
(MIRA 17:3)

PETERSON, M.P., kand. biol. nauk

Data on nitrogen metabolism in gastric patients and its relation to surgery. Vopr. klin. lech. slok. novoobraz. Riga. 2:213-229 1955

1. Sektor onkologii (zav. - prof. doktor P.I. Stradyn') Instituta eksperimental'noy meditsiny AN Latvyskoy SSR (dir. prof. doktor P.Ya. Gerke).

(STOMACH, surgery
blood proteins in (Rus))

(BLOOD PROTEINS,
in stomach surg. (Rus))

PETERSON, M.Yu.

Use of Badalyk coal. Trudy Sib.tekh.inst. no.24:69-79 '59.
(MIRA 14:3)

(Krasnoyarsk region--Coal)

PETERSON, N. V.; TETERYA, G. M. [Teteria, H. M.]

Biological activity of some soils depending on the methods of
their tillage. Mikrobiol. zhur. 23 no.3:19-24 '61.
(MIRA 15:7)

1. L'vovskiy sel'skokhozyaystvennyy institut.

(SOILS—MICROBIOLOGY) (TILLAGE)

PETERSOI, I. V.

"Mutability of Modular Bacteria." *Sov. Biol Sci, Kiev U, Kiev, 1963.*
(*RZhBiol*, No 8 Dec 54)

Survey of Scientific and Technical Dissertations Defended at
Higher Educational Institutions (12)
SC: *Sov. No. 590, 24 Jun 55*

PETERSON, N.V.

Filtrating forms of root nodule bacteria. Mikrobiol.zhur. 15
no.2:67-71 '53. (MLRA 7:3)

1. Z kafedri antibiotikov i mikrobiologii Kiivs'kogo derzhavnogo
universitetu im. T.G.Shevchenka.
(Microorganisms, Nitrogen-fixing)

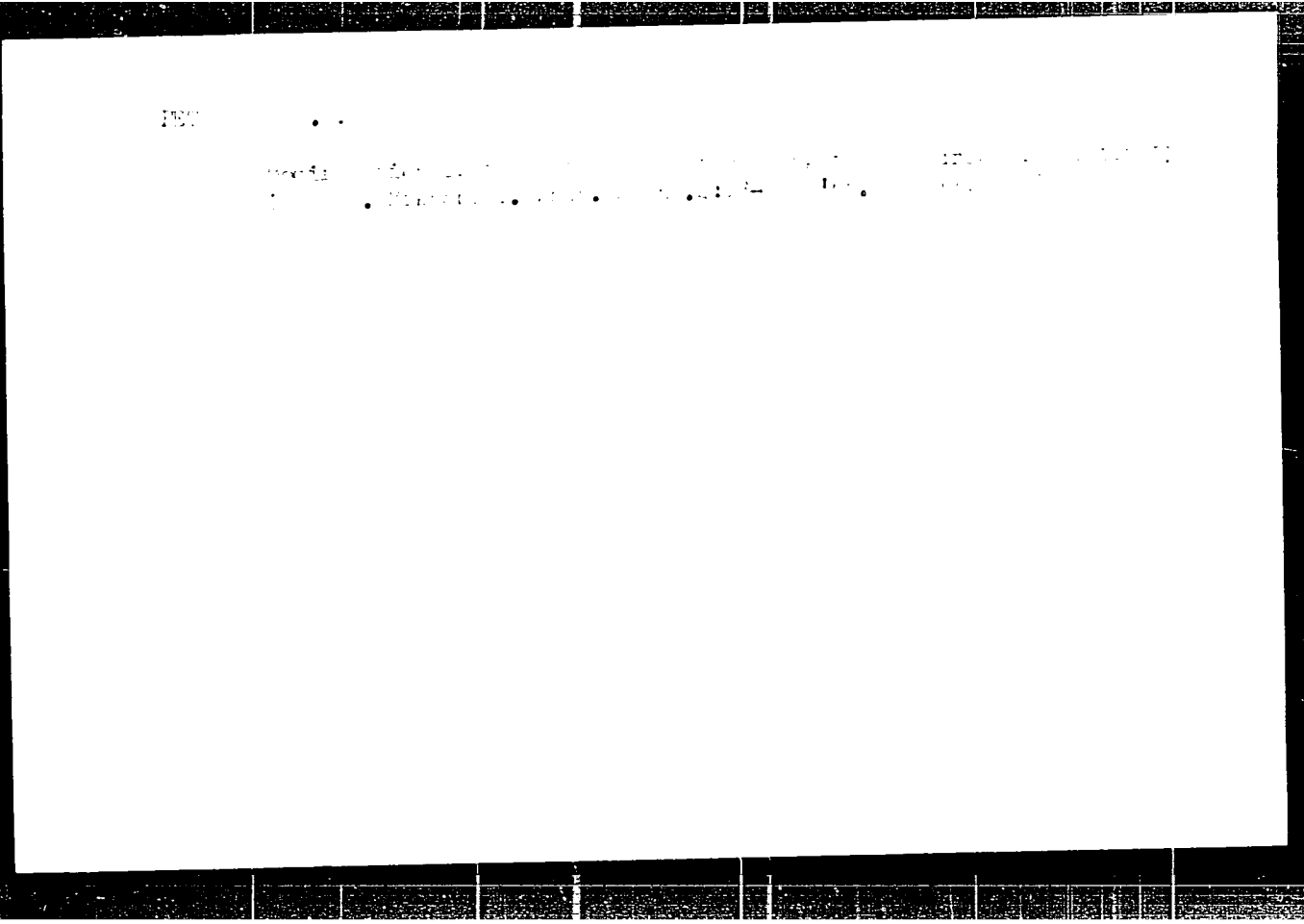
PETERSON, N. V.

USSR

The mutual influence between the bacteria of plant tubercles and some soil microorganisms. N. V. Peterson (T. G. Shevchenko State Univ., Kiev). *Trudy Vsesoyuzn. Nauch. Tsentr. R.S.S.R.* 16, No. 3, 14-17 (1954) (Russian summary).--Under the conditions of artificial culture some soil bacteria act as antagonists, others as synergists, while some remain indifferent in relation to the bacteria of plant tubercles. B. S. Levine

PETERSON N. V.

62 Growing nodule bacteria on filtrates from other strains of like organisms. N. V. Peterson (U. S. G. Shevchenko State Univ., Kiev). *Mikrobiologiya* 24: 475-9 (1955).—Filtrates from old (3 months or older) cultures of nodule bacteria from clover, when cultured with nodule bacteria from other plants such as bean or pea, acquire the capacity to form nodules on clover roots. Filtrate from sainfoin cultures show similar behavior. Sometimes a filtrate culture reverts to the original strain, regaining the initial biochem. activity.
Julian P. Smith



PETERSON, N.V.

Sources for enriching the soil with enzymes. Mikrobiol. zhur. 23
no.6:5-11 '61. (MIRA 15:4)

1. L'vovskiy sel'skokhozyaystvennyy institut.
(SOILS—MICROBIOLOGY) (ENZYMES)

PETERSON, O.P.; MEL'NIKOVA, L.A.; KOZLOVA, I.A.

Determination of the synthesis of poliomyelitis virus antigen
by means of I^{131} -labelled gamma globulin. Vop. virus. 10 no.3;
287-289 My-Je '65. (MIRA 18:7)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

UGOLEVA, N.A.; BEREZINA, O.N.; NOSACHEVA, A.D.; SOKOLOV, M.I.; FETERSON, O.P.

Ribonucleic acid polymerase activity induced by HIV virus (M₃ strain).
Vop. virus. 10 no.3:347-349 My-Je '65. (MIRA 18:7)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

PETERSON, O. P.

PETERSON, O. P. "The concentration of grippe virus in rhinolaryngeal fluids of ill persons", *Voprosy med. virusologii*, Issue 1, 1948, p. 177-81, -
Bibliog: 6 items.

SO: U-3042, 11 March 53. (Letovis 'nykh Statoy, No. 10, 1949).

PETERSON, O. P.

PETERSON, O. P., SEMASHKO, S. A., and SPARKS, R. A. "Increased sensitivity to the Kherst reaction and its practical significance for diagnosing epidemic gripe", Voprosy med. virusologii, Issue 1, 1968, p. 181-89.

SO: U-3042, 11 March 53. (Letopis 'nykh Statey, no. 10, 1969).

PETERSON, O. P.

Gol'dberg, Z. V. and Peterson, O. P. "Histopathological changes in white mice upon the introduction of large doses of grippe virus into the stomach", Voprosy med. virusologii, Issue 1, 1948, p. 190-97, - Bibliog: 7 items.

SO: U-3042, 11 March 53, (Letopis 'zhurnal 'nykh Statey, No. 10, 1949).

PETERSON, O. P.

PETERSON, O. P. and YARMELEYEV, G. V. "The properties of soluble antigens of the grippe virus", Voprosy med. virusologii, Issue 1, 1949, p. 255-74, - Bibliog: p. 274.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

PETERSON, O.P..

Peterson, O. P. "The toxigenic, antigenic, and immunogenic properties of virus protein complexes", Voprosy med. virusologii, Issue 2, 1949, p. 199-203.

SO: U-3042, 11 March 53, (Letopis 'zhurnal 'nykh Statey, No. 10, 1949).

PETERSON, O. P.

"The mechanism of the Kherst reaction". Report 1: O. P. Peterson, "The effect of external factors on the Kherst reaction in patients with rhinolaryngeal flow". Report 2: A. T. KRAYCHENKO and O. P. PETERSON. "The effect of the temperature factor and ultraviolet irradiation of the grime virus on the Kherst reaction", *Voprosy med. virusologii*, Issue 2, 1949, p. 321-34, - Bibliog: 12 items.

SO: U-3042, 11 March 53. (Letonia 'nykh Statoy, No. 10, 1949).

PETERSON, O.P.

PA 22/11/1978

USSR/Medicine - Influenza, Forms Mar/Apr 49
Medicine - Epidemiology

"Characteristics of Two Influenza Epidemics,"
S. B. Shimechelevich, O. P. Peterson, F. V.
Smolyanskaya, Clinical Inst of Virology, Acad
Med Sci USSR, at Children's Home No 27, 6 pp

"Pediatriya" No 2

Studied two outbreaks of epidemic influenza in
same group of children of preschool age.
Epidemiological study of both outbreaks in-
dicated that type A influenza virus was more
virulent than type B. Observed catarrhal

LC

41/4978

USSR/Medicine - Influenza, Forms Mar/Apr 49
(Contd)

phenomena less often in type B. Irritation of
sympathetic nervous system occurred more often
in type A.

LC

41/4978

PETERSON, O.P. doktor meditsinskikh nauk.

Viruses in nature. Nauka i zhizn' 20 no.6:11-13 Je '53.

(MLA 6:6)
(Viruses)

PETERSON, O.P.; KOZLOVA, I.A.

Effect of X rays on the resistance of white rats to the influenza virus. Vop.virus. 1 no.3:30-32 My-Je '56. (MLRA 10:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(ROENTGEN RAYS, effects,
on exper. influenza resist. in white rats (Rus))
(INFLUENZA, experimental,
eff. of x-rays on resist. in white rats (Rus))

P. PETERSON

USSR / Virology. Human and Animal Viruses

E-2

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24001

Author : Peterson, O. P., Kozlova, I. A.

Inst : Not given

Title : Effect of X-Rays on the Natural Resistance of Guinea Pigs to Influenza Virus.

Orig Pub: Vopr. virusologii, 1957, No 3, 145-147

Abstract: Guinea pigs were subjected to X-irradiation in doses of 200, 300 and 400 r. Two and six days after irradiation the animals were infected through the nasal passages by influenza virus type A, strain "Pan." The experiments showed that X-irradiation of guinea pigs even in doses of 200 r considerably lowers their natural resistance to influenza virus, as a result of which they develop influenza pneumonia, sometimes with lethal results. An influenza virus was isolated from lightly infected guinea pigs.

Card 1/1

PETERSON, O. P., LOZHKINA, I. A., KOZLOVA, I. A., SKLYANSKAYA, YE. I.
"APPROVED FOR RELEASE: Tuesday, August 01, 2000" CIA-RDP86-00513R001240

"Effect of x-rays on the resistance of the organism of experimental animals to viral infections, on the course of infection, and on the development of specific antiviral immunity."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

PETERSON, O.P.; SKLYANSKAYA, Ye.I.

Effect of X-irradiation on the immunological reactivity of white mice
to the MM virus. Vop.virus. 4 no.6:737-740 N-D '59. (MIRA 13:3)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(VIRUS DISEASES immunol.)
(RADIATION EFFECTS exper.)

GORBUNOVA, A.S., red.; SOKOLOV, M.I., red.; PETERSON, O.P., red.; POGO-
SKINA, M.V., tekhn. red.

[Manual on the laboratory diagnosis of influenza, parainfluenzal and
adenoviral diseases] Rukovodstvo po laboratornoi diagnostike grippe,
paragrippoznykh i adenovirusnykh zabolevanii. Moskva, Gos. izd-vo
med. lit-ry Medgiz, 1960. 166 p. (MIRA 14:10)
(INFLUENZA) (ADENOVIRUS INFECTIONS)

PETERSON, O.P., SKLANSKAYA, I.I.

"Formation of anti-influenza immunity during accelerated immunization."

Report submitted for the 1st Intl. Congress on Respiratory Tract Diseases of
Virus and Rickettsial Origin. Prague, Czech. 23-27 May 1961.

SOKOLOV, Mikhail Ignat'yevich; PAVLOV, Petr Vasil'yevich; PETERSON, O.P.,
red.; BALDINA, N.F., tekhn. red.

[Manual on the use of vaccines and sera] Spravochnik po primene-
niyu vaktsin i syvorotok. Moskva, Medgiz, 1961. 162 p.
(MIRA 15:2)

(VACCINATION—HANDBOOKS, MANUALS, ETC.)

PETERSON, O.P.; BEREZINA, O.N.; KOZLOVA, I.A.; SKLYANSKAYA, Ye.I.; PETROV,
R.V., red.; ZAKHAROVA, A.I., tekhn. red.

[Influence of ionizing radiation on virus infections and on anti-
viral immunity] Vlianie ioniziruiushchego izlucheniia na virusnye
infeksii i protiyovirusnyi immunitet. Moskva, Gos. izd-vo med.
lit-ry Medgiz, 1961. 165 p. (MIRA 14:9)
(RADIATION--PHYSIOLOGICAL EFFECT) (VIRUS DISEASES) (IMMUNITY)

PETERSON, C.P.

International congress on virus and rickettsial diseases of the
respiratory passages. Vop. virus. 6 no.5:636-637 S-0 '61.
(MIRA 15:1)

(VIRUS DISEASES...CONGRESSES)
(RESPIRATORY ORGANS...DISEASES...CONGRESSES)

BUTYAGINA, Aleksandra Pavlovna; PETERSON, O.P., red.; MATVEYEVA, M.M.,
tekh.n.red.

[Serum hepatitis; the parenteral form of Botkin's disease]
Syvorotochnyi gepatit; parenteral'naya forma bolezni
Botkina. Moskva, Medgiz, 1962. 149 p.

(MIRA 15:5)

(HEPATITIS, INFECTIOUS)

PETERSON, O.P.; KOZLOVA, I.A.

Use of live and killed anti-influenza vaccines in irradiated animals. Vop.virus. 7 no.6:694-697 N-D '62. (MIRA 16:4)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA—PREVENTIVE INOCULATION)
(RADIATION—PHYSIOLOGICAL EFFECT)

SKLYANSKAYA, Ye.I.; PETERSON, O.P.

Possibility of forming anti-influenzal immunity in irradiated and nonirradiated animals through rapid vaccination. Vop.virus 7
no.5:558-563 S-0 '62. (MIRA 15:11)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA--PREVENTIVE INOCULATION)
(RADIATION--PHYSIOLOGICAL EFFECT)

LYSKOVTSSEV, Mikhail Mikhaylovich; PETERSON, O.P., red.; PRONINA,
N.D., tekhn. red.

[Tick-borne rickettsiosis] Kleshchevoi rikketsioz. Moskva,
Medgiz, 1963. 274 p. (MIRA 16:7)
(RICKETTSIA DISEASES)

ACC NR: AP6021583

SOURCE CODE: UR/0402/66/000/003/0371/0371

AUTHOR: Sklyanskaya, Ye. I.; Peterson, O. P.; Sulimov, A. A.

ORG: none

TITLE: Permeability of animal respiratory systems of influenza virus after oral or subcutaneous infection

SOURCE: Voprosy virusologii, no. 3, 1966, 371

TOPIC TAGS: virology, medical experiment, respiratory system, virus, influenza virus, VIRUS DISEASE

ABSTRACT:

White mice were given doses of type-A influenza virus orally or subcutaneously. Specific antibodies labeled with radioactive iodine were used to determine the site of virus in the body. After 48 hours, the viruses were located mainly in the trachea of rats and the lungs of mice. This method is more sensitive than standard methods which are reliable only when intranasal infection is involved.

[W.A. 50; CBE No. 10]

SUB CODE: 06/ SUBM DATE: ncne/

Card 1/1

L 08558-67 EWT(1) JK

ACC NR: AP6034573 (A,N) SOURCE CODE: UR/0020/66/170/006/1430/1432

AUTHOR: Zhdanov, V. M. (Active member AMN SSSR); Peterson, O. P.; Mel'nikova, L. A.; Kozlova, I. A. 16
2

ORG: Institute of Virology im. D. I. Ivanovskiy, AMN SSSR (Institut virusologii AMN SSSR)

TITLE: Induction of a "stripping" enzyme by various viruses 16

SOURCE: AN SSSR. Doklady, v. 170, no. 6, 1966, 1430-1432

TOPIC TAGS: enzymology, enzyme, virology, virus, enzyme synthesis

ABSTRACT: Variola viruses produce a compound within the cell called the "stripping" factor which is closely related to the inductive activities of the viruses. Cell fractions of infected cells grown in tissue culture and heat-killed viruses were tested in tissue culture for their deproteinizing and induction properties. The activity of the various strains was analyzed and compared. Variola vaccine strain Dermovaccine had the most active deproteinizing activity and chicken-pox virus the least. Orig. art. has: 1 figure and 1 table. [W.A. 50]

SUB CODE: 06/ SUBM DATE: 14Mar66/ ORIG REF: 001/ OTH REF: 002

Card 1/1

ZHDANOV, V.M.; MEL'NIKOVA, L.A.; KOCLOVA, I.A.; BALANDIN, I.G.; PETERSON,
C.P.; MASHARINA, L.

Suppression of the synthesis of smallpox vaccine virus by
histone. Dokl. AN SSSR 165 no.5:1181-1183 D '65. (MIRA 19:1)

1. Institut virusologii im. D.I.Ivanovskogo AMN SSSR.
2. Deystvitel'nyy chlen AMN SSSR (for Zhdanov). Submitted
August 6, 1965.

МЕДИЦИНА 1.4.1. КОЛОНІАЛЬНА МЕДИЦИНА

Source of the report: [unclear]
email: [unclear]
[unclear]

1. Інститут [unclear]

PETERSON, O.P.; KOZLOVA, I.A.; MEL'NIKOVA, L.A.; SIVOSHINSKIY, D.S.

Interaction of smallpox vaccine virus with tissue culture cells. *Vop.*
virus. 9 no.2:154-158 Mr-Apr '64. (MIRA 17:12)

1. Institut virusologii imeni Ivanovskogo AMN SSSR i kafedra meditsinskoy radiologii pri Tsentral'nom institute usovershenstvovaniya vrachey, Moskva.

MEL'NIKOVA, I.A.; KOPLOVA, I.A.; PETERSON, G.P.

Synthesis of RNA, labeled by radioisotopes, by the action of
by poliovirus virion. Dokl. Akad. Nauk SSSR 236:233-234, 1978.

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moscow

PETERSON, O.P.; LI YUY [Li Yu]

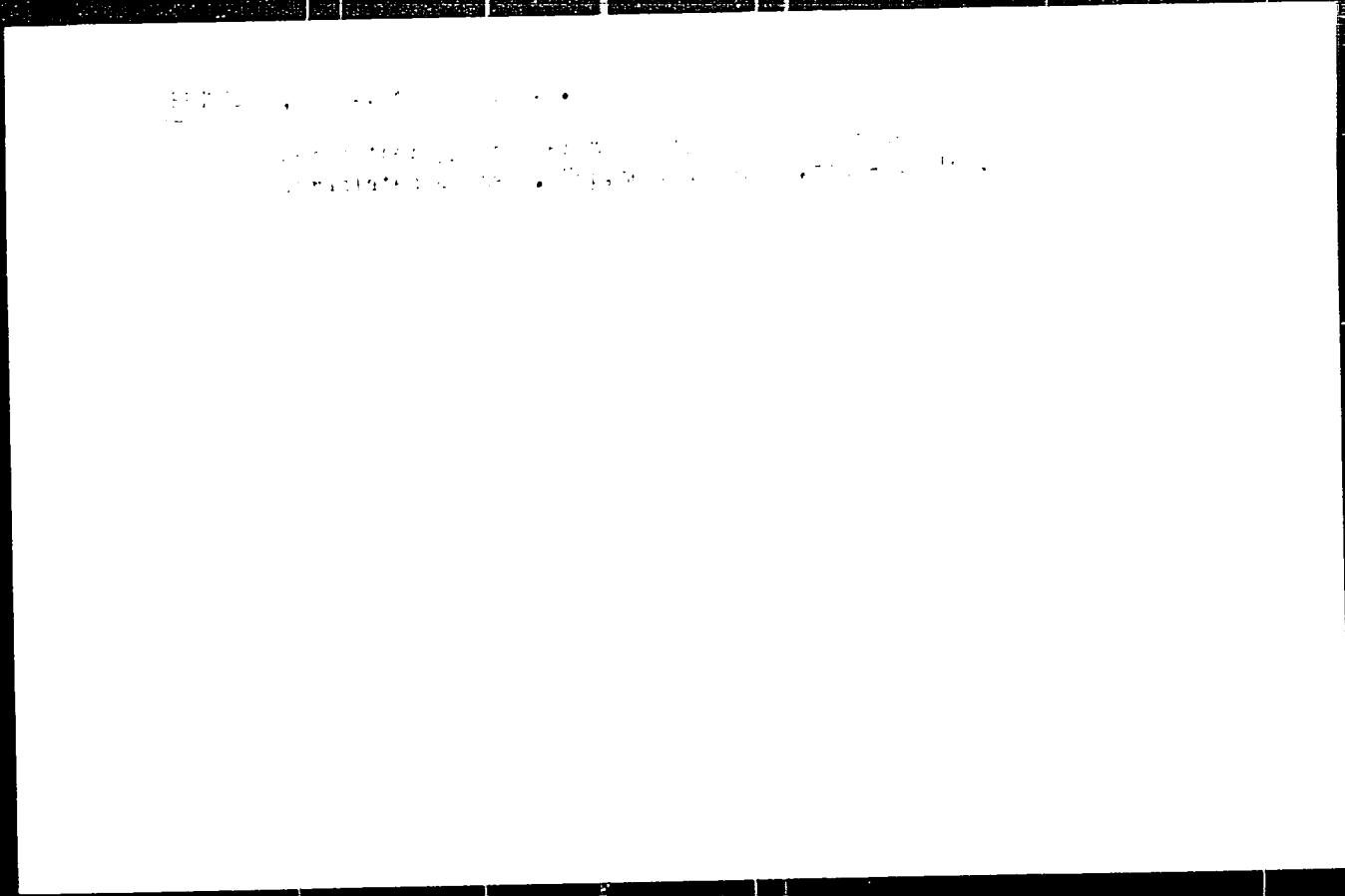
Homologous interference between active and inactivated virus
in smallpox vaccine on the chorioallantoic membrane of the
chick embryo. Vop. virus 8 no.2:159-163 Mr-Ap'63 (MIRA 16:12)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.

PETERSON, O.P.; LI YUY [LI YU]

Preparation of interferon from chicken fibroblast cultures
treated with inactivated small pox vaccine. Vop. Virus. 8
no.3:279-281 My-Je'63. (MIRA 16:10)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(INTERFERON) (TISSUE CULTURE) (VACCININA)



PETERSON, V.K.

Effect of the periodic field of a crystal on the energy of
interaction between conduction electrons. Vest. Mosk. un.
Ser. 3: Fiz., astron. 20 no.6:68-72 N-D '65.

(MIRA 19:1)

1. Kafedra obshchey fiziki dlya fizikov Moskovskogo universiteta.
Submitted July 14, 1964.

83590

S/056/60/038/005/023/050
B006/B070

24.6520

AUTHOR:

Peterson, V. K.

TITLE:

The Problem of the Calculation of the Scattering Phases 19

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960,
Vol. 38, No. 5, pp. 1525 - 1527

TEXT: A theoretical investigation of the scattering of particles in a centrally symmetric potential field necessitates the solution of an equation of the type (1): $d^2u/dx^2 + [k^2 + W(x) + U(x)] u(x) = 0$, with $u(0) = 0$ and $u_{\text{asympt}} = \sin(kx + \delta(x) + \gamma)$. Such a problem with a complex potential $U(x)$ occurs, for example, in the optical model of the nucleus, and, for small values of k , requires very elaborate calculations. A general method for the solution of such problems was developed by P. E. Nemirovskiy. The author of the present article gives a new method for its solution. The method is based on an expansion of the phase shift γ in a power series of U_0 ($U(x) = U_0 f(x)$). It is suitable for mean and high energies. The solution of the differential equation (1) is given in

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The Problem of the Calculation of the Scattering Phases

83590

S/056/60/038/005/023/050
B006/B070

the form: $u(x) = [1-D(x)] \left\{ v_1(x) \cos \int_0^x \phi(x') dx' + v_2(x) \sin \int_0^x \phi(x') dx' \right\}$.

Using $D(\infty) = 0$ and $\phi(\infty) = 0$, one obtains $\eta = \int_0^\infty \phi(x) dx$. This is substituted

into (1), and two equations for the determination of D and ϕ are obtained. An equation is given for the first approximation $D_1(x)$, and

with $D(x) = \sum_{n=1}^\infty D_n(x)$ and a recurrence formula, an expression for $D_n(x)$

is obtained. With $\phi(x) = \beta(x) \sum_{n=1}^\infty \sum_{m=1}^n (m+1) D_{nm}(x)$ and $\eta = \sum_{n=1}^\infty \int_0^\infty \beta(x) \sum_{m=1}^n (m+1) D_{nm}(x) dx$, and taking a potential well of the shape $U(x) = U_0 e^{-x}$, it

is found that $D_1(x) = \frac{U_0}{1+4k^2} e^{-x}$, $D_2(x) = \frac{-U_0(1+10k^2)}{(1+4k^2)^2(4+4k^2)} e^{-2x}$,

$D_3(x) = \dots \dots \dots$ $D(x)$ is given numerically as a power series of e^{-x}

X

Card 2/3

83590

The Problem of the Calculation of the
Scattering Phases

S/056/60/038/005/023/050
B006/B070

for $U_0 = 2$ and $k^2 = 1$, which corresponds to the scattering of a 20.5-Mev
neutron in a potential well of a 41-Mev depth. $\eta \approx 0.780$. There are
4 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State
University)

SUBMITTED: November 26, 1959

4

Card 3/3

PETERSON, V.K.

Calculating scattering phase shifts. Zhur.eksp.i toer.fiz. 38
no.5:1524-1527 My '60. (MIRA 13:7)

1. Moskovskiy gosudarstvennyy universitet.
(Scattering (Physics))

PETERSON, V. K.

3

USSR .

dw8

530145

1957. Problem of the transverse energy of the electron in a linear generalization of electrodynamics. V. K. PETERSON. Zh. eksper. teor. fiz., 24, No. 1, 38-44 (1953) ~~77-Russian~~.

The transverse self-energy of the electron is calculated using the Bopp-Podolsky generalization of quantum electrodynamics and Dirac hole theory. It is found to be positive. An error in a previous work (Abstr. 3426 (1947)) in which a negative self-energy was found, is pointed out.

BB

(i. e. BABU?)

gr

ACC NR: AP6002237

SOURCE CODE: UR/0188/65/000/006/0068/0078

AUTHOR: Peterson, V. K.

ORG: General Physics for Physicists Department, Moscow State University (Kafedra
obshchey fiziki dlya fizikov Moskovskogo universiteta)
TITLE: On the problem of the influence of a periodic field of a crystal on the
energy of interaction of conduction electrons

SOURCE: Moscow. Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 6, 1965,
68-78

TOPIC TAGS: periodic field, conduction electron, crystal polarization

ABSTRACT: The effect of polarization of a crystal by conduction electrons, leading
to a modification of the interaction potential, is considered by means of the die-
lectric constant ϵ . It is assumed that the polarization anisotropy is either absent
(cubic symmetry), or small enough ($\Delta\epsilon \ll \epsilon$) to be disregarded in the first approxi-
mation. The calculations are based on the case of a crystal with a with a single
electron in the conduction zone. The behavior of this electron is described by an
effective wave equation with a mass operator

$$E(k) - H_0 - M X_{ks} = 0 \quad (1)$$

where H_0 is the periodic field of the nuclei of the crystal; M is the mass operator

Card 1/2

UDC: 539.293: 011.2

ACC NR: AP6002287

describing the interaction of the conduction electron in a state \vec{k}, s (s is the spin projection), with all the remaining electrons in the crystal. $E(k)$ is the energy of a single-particle excitation plus the chemical potential. Only the part of $E'(k) - E(k)$ which is dependent on the interaction of the conduction electrons is considered in this paper. The author concludes that in the first order theory of perturbation, at conduction electron concentrations of $10^{19-20} \text{ cm}^{-3}$, the taking into account of the Bloch functions under the suppositions made yields a negligible correction for the energy of interaction between the conduction electrons. The author thanks V. L. Bonch-Bruyevich for stating the problem and assistance in carrying out this work. Orig. art. has: 28 formulas.

SUB CODE: 09, 12/ SUBM DATE: 14Jul64/ ORIG REF: 003/ OTH REF: 001

Card 2/2

PETERSON, Ye.N.

Changes in the skeleton of upper extremities of a marmoset.
Ark. anat., gist. 1 embr. 49 no.8:77-81 Ag '65. (MFA 186)

1. Kafedra anatomii (zav.- dotsent P.V. Sudzilovskiy) pri
Gosudarstvennom dvazhdy ordenonosnom institute fizicheskoj
kul'tury imeni P.F. Lomagina, Leningrad.

PETERSON, Ye. N.

PETERSON, Ye. N.: "Arteries and Veins of the Muscles of the Human Skin."
* (Dissertation for Degree in Science and Engineering Defended at USSR Higher
Educational Institutions.) First Leningrad Medical Institute, Academician I. P.
Pavlov, Chair of Normal Anatomy, Leningrad 1955

SO: Knizhnaya Letopis' No. 25, 19 Jun 55

* For Degree of Candidate of Medical Sciences.

ACCESSION NR: AP4039705

S/0051/64/016/006/0987/0991

AUTHORS: Bulanin, M. O.; Peterson, Yu. V.

TITLE: Study of the infrared spectra of liquid oxygen and nitrogen

SOURCE: Optika i spektroskopiya, v. 16, no. 6, 1964, 987-991

TOPIC TAGS: liquid oxygen, liquid nitrogen, infrared spectrum, infrared absorption, spectral analysis

ABSTRACT: In view of the paucity of published data on the subject, and in view of the possible use of infrared spectra for the detection of impurities in liquid gases, the authors have obtained the infrared absorption spectra of commercial liquid oxygen and nitrogen in the 3500--1200 cm^{-1} region, using a specially constructed low-temperature cell. The operating procedure is described and some difficulties involved in the construction of cryostats for the investigation of infrared spectra are discussed. The spectra obtained are interpreted.

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ACCESSION NR: AP4039705

The spectrum of commercial liquid nitrogen had no impurity absorption bands, with the exception of a broad band due to induce absorption of oxygen with a maximum near 1560 cm^{-1} . Liquid oxygen exhibited several lines which could be attributed only to impurities in the commercial oxygen. It is shown that solutions of acetylene in liquid oxygen have a complex construction. Possible explanation of the observed spectra are discussed. "The authors are grateful to V. M. Chulanovskiy for continuous interest and attention to this work." Orig. art. has: 4 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 08Aug63

DATE ACQ: 24Jun64

ENCL: 03

SUB CODE: OP

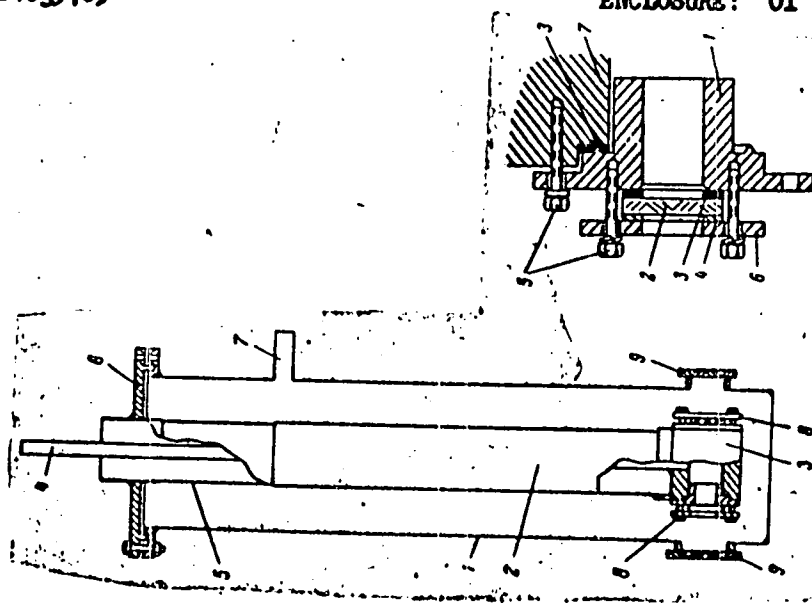
NR REF SOV: 004

OTHER: 013

Card 2/5

ACCESSION NR: AP4039705

ENCLOSURE: 01



Cord

3/5

ACCESSION NR: AP4039705

ENCLOSURE: 02

Construction of cell and
frames of head windows

- 1 - copper housing
- 2 - vessel, stainless steel
- 3 - brass head
- 4 - stainless steel tube
- 5 - top of vessel
- 6 - flange
- 7 - tube
- 8, 9 - fluorite windows

Card

4/5

ACCESSION NR: AP4039705

ENCLOSURE: O3

Frequencies and interpretation of absorption bands
in infrared spectrum of technical liquid oxygen

1	2	1	2	1	2
Частота, см ⁻¹	Интерпретация	Частота, см ⁻¹	Интерпретация	Частота, см ⁻¹	Интерпретация
1288	N ₂ O	2458	N ₂ O	3015	CH ₄
1310	Cl ₂	2560	N ₂ O	~3100	O ₂
1560	O ₂	2862	CH ₃ -группы 3	3225	C ₂ H ₂ (кристал- лическая фа- за) 4
2219	N ₂ O	2873	C ₂ H ₂		
2275	?	2935	C ₂ H ₂	3276	C ₂ H ₂
~2340	N ₂	2962	C ₂ H ₂	3286	

1 - frequency, 2 - interpretation 3 - groups,
4 - crystalline phase

Card 5/5

BELADIN, H. V.; [unclear], [unclear].

study of infrared spectra of [unclear] and [unclear]
nitrogen. (pt. 1) Spectr. [unclear] [unclear].

MALSKA-WANIEWSKA, Izabela; PETERSON, Zbigniew

On peptic ulcer of the greater curvature of the stomach.
Pol. tyg. lek. 18 no.41:1535-1538 7 0 '63.

1. Z Zakładu Radiologii AM w Łodzi; kierownik - vacant; kurator:
doc. dr med. L. Mazurek.

(RADIOGRAPHY) (STOMACH NEOPLASMS)
(DIAGNOSIS, DIFFERENTIAL) (STOMACH ULCER)