

STARYKH, S., master sporta (g.Zhukovskiy, Moskovskaya obl.)

Duty of advanced sportamen. Za rul. 20 no.7:5 J1 '62. (MIRA 15:7)
(Education, Military)

STARYKH, S. N.

STARYKH, S. N. -- "The Mineral Composition and Physicochemical Properties of Red-Earth and Yellow-Podzolic Soils of the Caucasian Black Sea Coast." Acad Sci USSR. Soil Inst imeni V. V. Dokuchayev. Laboratory of Soil Mineralogy. Moscow, 1955. (Dissertation for the Degree of Candidate of Geologicomineralogical Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

BALYBERDIN, N., kand.veterinarnykh nauk; STARYKH, V., inzh.

New developments in the remodeling of stalls for calves. Sel'.
stroi. 16 no.10:1-5 0 '61. (MIRA 14:11)
(Novosibirsk Province--Barns)

STARUKH, V.N., aspirant; DANILOVA, A.K., prof., doktor sel'skokhoz.nauk,
nauchnyy rukovoditel'

Importance of microclimate in large-size poultry houses.
Veterinariia 41 no.3:86-89 Mr '65. (MIRA 18:4)

1. Moskovskaya veterinarnaya akademiya.

RADUSHKEVICH, V.P., prof.; KOSONOGOV, L.F.; BONDARENKO, V.V.; VASHANTSEV,
A.A.; SLIVKIN, A.V.; STARYKH, V.S.

Use of new Soviet ganglionic blocking preparations in surgical
practice. Khirurgiia 39 no.7:13-19 J1'63 (MIRA 16:12)

1. Iz kafedry gospital'noy khirurgii (zav. - prof. V.P.Radushke-
vich) Voronezhskogo meditsinskogo instituta.

BEREZIN, Sergey Yakovlevich; STARYNKEVICH, D.S., retsenzent; SHIFRIN, M.Sh., doktor tekhn. nauk, retsenzent; AFOSHIN, A.N., nauchnyy red.; SACHUK, N.A., red.; SHISHKOVA, L.M., tekhn. red.

[Design of automatic control systems using inverse amplitude-phase characteristics] Raschet sistem avtomaticheskogo regulirovaniia s pomoshch'iu obratnykh amplitudno-fazovykh kharakteristik. Leningrad, Sudpromgiz, 1962. 336 p.

(MIRA 15:10)

(Automatic control)

BEREZIN, Sergey Yakovlevich; STARYNKEVICH, D.S., retsenzent;
KOVANTSEV, N.S., nauchn. red.;

[Automatic steering of ships; automatic pilots] Avtomati-
cheskoe upravlenie kursom sudov; avtorulevye. Leningrad,
Sudostroenie, 1965. 218 p. (MIRA 19:1)

STARYNKEVICH-BORNEMAN, I.D.

Remarks on the article of J.A. Gard, H.F. W. Taylor, H.A. Chalmers
"An investigation of two minerals:rhodesite and mountainite" (from
Min. mag. 31 no. 239). Zap. Vses. min. ob-va 87 no.4:512-513 '58.

(MIRA 12:1)

(Africa, South--Zeolites)

STARYUK, V.A.

Medical services in a rural medical sector. Zdrav.Ros.Feder. 1 no.2:
9-12 P '57. (MLRA 10:7)

1. Glavnyy vrach Grigoripolisskoy uchastkovoy bol'nitsy Novo-
Aleksandrovsogo rayona
(MEDICINE, RURAL)

STARYZHIS, V. [Starijis, V.]

Observations of the brightness of nova Herculis at the Vilnius Observatory. Astron. tsir. no. 214:13-15 S '60. (MIRA 14:1)

1. Vil'nysskaya astronomicheskaya observatoriya.
(Stars, New)

STARZECKA B.

Country : POLAND
Category: Virology. Viruses of Man and Animals.
Rickettsias.

E

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103558

Author : Lutynski, R.; Nowicki, J.; Starzecka, B.; Zadura, St.;
Zienichod, T.

Title : "Q" Fever in Krakow

Orig Pub: Przegl. lekar, 1957, No 2, 33-38

Abstract: Cases were observed for the first time in 1956 among persons who had been in contact with sheep wool imported from Rumana shortly before the outbreak. The presence of "Q" fever was confirmed by the complement-fixation reaction with rickettsial antigens.

Card : 1/1

64

STARZECKA, Barbara; TOMASIK, Witold; ZASOWSKA, Krystyna

Certain observation on varicella and herpes zoster. Przegl. epidem.,
Warsz. 12 no.2:177-180 1958.

1. Z Kliniki Chorob Zakaznych A. M. w Krakowie Kierownik: prof. dr
J. Kostrzewski.

(CHICKENPOX,

relation to herpes zoster (Pol))

(HERPES ZOSTER

relation to chickenpox (Pol))

MACH, Bronislaw; STARZECKA, Barbara

Indications for artificial respiration & curare therapy in tetanus.
Polskie tygod. lek. 14 no.4:155-157 26 Jan 59.

1. Z Kliniki Chorob Zakaznych A.M. w Krakowie; kierownik: prof. dr
Jozef Kostrzewski. Adres: Krakow, ul. Kopernika 17, Klin. Chorob
Zakaznych A.M.

(TETANUS, ther.
artif. resp. & curare, indic. (Pol))
(CURARE, ther. use
tetanus, indic. (Pol))
(RESPIRATION, ARTIFICIAL, in various dis.
same)

STARZECKA, Barbara

On paralysis of the cranial nerves in patients with tetanus. Polski tygod. lek. 14 no.33:1523-1525 17 Aug 59.

1. (Z Kliniki Chorob Zakaznych A.M. w Krakowie; kierownik: prof. dr J. Kostrzewski.

(TETANUS, compl.) (CRANIAL NERVES, dis.)
(PARALYSIS, etiol.)

MACH, Bronislaw; STARZECKA, Barbara; JABLONSKA-JAROSZ, Wladyslawa

Unilateral rupture of the diaphragm in tetanus consecutive to diffuse myositis. Pat.polska 11 no.3:285-292 '60.

1. Z Kliniki Chorob Zakaznych AM w Krakowie, Kierownik: prof.dr Jozef Kostrzewski [deceased]. Z Zakladu Anatomii Patologicznej AM w Krakowie, Kierownik: prof.dr J.Kowalczykowa.

(TETANUS compl)

(HERNIA DIAPHRAGMATIC etiol)

(MYOSITIS compl)

STARZECKA, Barbara

Nerve lesions in tetanus patients. Przegl.epidem. 14 no.2:153-156
'60.

1. Z Kliniki Chorob Zakaznych A.M. w Krakowie Kierownik: Prof. dr
Jozef Kostrzewski [deceased]
(TETANUS compl)
(NEUROLOGIC MANIFESTATIONS)

MACH, Bronislaw; STARZECKA, Barbara

Notes on the use of sera in tetanus. Polski tygod. lek. 16 no.43:
1650-1652 23 0 '61.

l. Z Kliniki Chorob Zakaznych A.M. w Krakowie; kierownik: doc. dr
med. W. Fejkiel.

(TETANUS immunol)

(SERTHERAPY)

POLAND

STARZECKA, Barbara, Clinic of Infectious Diseases (Klinika Chorob Zakaznych), AM [Akademia Medyczna, Medical Academy] in Krakow (Director: Prof. Dr. med. W. FEJKIEL)

"Analysis of the Cases of Hydrophobia in Patients of the Division of Infectious Diseases (Oddzial Zakazny) of the Sw. Lazarza Hospital (Now, the Clinic of Infectious Diseases of the Medical Academy in Krakow) During 1910-1950."

Warsaw, Przeglad Epidemiologiczny, Vol 17, No 3, 63, pp 145-155

Abstract: [Author's English summary modified] Author analyzes the cases of human rabies at the hospital during the 40 years. All 38 cases proved fatal. With few exceptions, the classical course of the disease has 4 periods: prodromal, early symptoms, excitement, and paralysis. Incubation period is on the average 2 months, being shorter in women and children than in men and adults. No cases occurred after 1950, when dog vaccination was introduced. This appears the best preventive method, since human preventive and therapeutic vaccination is uncertain and marred with complications. 37 refs: 5 Western, 10 German, others Polish.
1/1

STARZECKI, W.

A review of studies on cave flora. p. 101.

WIADOMOŚCI BOTANICZNE. (Polskie Towarzystwo) Krakow, Poland.
Vol. 3, no. 2, 1959.

Monthly List of East European Accessions (FEAI) LC, Vol. 9, no. 1, Jan. 1960.

uncl.

STARZECKI, W.

The roles of the palisade and spongy parenchymas of leaves in photosynthesis. Acta soc.botan Pol 31 no.3:419-436 '62.

STARZENSKI, Antoni (Krakow)

Argentina; country and people. Wszechswiat no.7/8:181-184
Jl-Ag '62.

STARZENSKI, D.

Kukurydza i kónski zab. Warszawa, Państwowe Wydawn. Rolnicze i Lesne, 1951
49 p. (Biblioteka rolnicza gromady). (Maize and dent corn)

DA

Not in DLC

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

DEC, Jerzy; RAPACKI, Henryk; STARZEWSKI, Jerzy; STRONSKI, Ignacy

Automatic device for column chromatography. Nukleonika 7
no.11:734-737 '62.

1. Instytut Fizyki Jadrowej, Polska Akademia Nauk, Krakow.

STARZEWSKI, K., B.Sc., Ph.D.

Development of bridge construction in Southern Rhodesia. Inz 1
bud 19 no.5:182-185 My '62.

STARZEWSKI, S.; JOZKO, M.

TECHNOLOGY

Periodicals: PRZEGLAD TECHNIC ZNY. Vol. 79, no. 19, Oct. 1958

STARZEWSKI, S.; JOZKO, M. Modern air armaments. p. 905.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

STARZEWSKI, Wojciech[deceased]

Analysis of perinatal maternal mortality in the Katowice
Region. Ginek. pol. 34 no.1:27-34 '63.

1. Z I Kliniki Poloznictwa i Chorob Kobietych Sl. AM. w Zabrze
Kierownik Kliniki: prof. dr W. Starzewski[deceased].
(MATERNAL MORTALITY)

STARZEWSKI, Wojciech[deceased]; SAMOCHOWIEC, Eugeniusz; WAWRYK, Roman

Studies on the content of glycoproteins in the blood serum of pregnant women. Ginek. pol. 34 no.1:35-37 '63.

1. Z I Kliniki Położnictwa i Chorob Kobietych Sz. AM w Zabrze
Kierownik: prof. dr med. W. Starzewski[deceased].
(BLOOD PROTEINS) (GLYCOPROTEINS)
(BLOOD CHEMICAL ANALYSIS)

STARZEWSKI, Wojciech[deceased]; WARONSKI, Wlodzimierz

Histochemical studies on the activity of beta-glucuronidase
in cervical cancer. Ginek. pol. 34 no.1:39-48 '63.

1. Z I Kliniki Położnictwa i Chorob Kobiecych Sz. AM w Zabrze
Kierownik: prof. dr med. W. Starzewski[deceased].
(GLUCURONIDASE) (CERVIX NEOPLASMS)
(ENZYME TESTS) (HISTOCHEMISTRY)

STARZECKI, W.

Summing up the debates of the Collegium on Key Problem No. 5:
"Studies on Photosynthesis." Kosmos biol 12 no. 4:404-406 '63.

STARZHEK3, D. A.

Investigation of electrochemical adsorption of ions from dilute solutions by the method of ~~constant current~~ V. A. Lun'ovok-Burmakina and L. M. Starzhetsko. *Doklady Akad. Nauk Ukr. R.S.R.* 1973, No. 2, 171-174 (Russian summary). The adsorption was detd. of H^+ , H_2SO_4 , and H_3PO_4 (1H , 32P , and 31P are the resp. isotopes 131, 35, and 32) from soln. of 10^{-2} - $10^{-3}N$ on C from phenol-aldehyde resin (cf. Dubin, et al., *C.A.* 43, 6087h) activated at $850-1000^\circ C$ in a CO_2 atm. The exptl. adsorption isotherm, $a = k \log c$, was not a linear function. This and the fact that equl. was attained very slowly (more than 3 hrs.) was best explained by the assumption that the change in ionic strength during adsorption affected the capacity of the elec. double layer on C. The data were expressed linearly by $a = kc^{1/n}$, (for H^+ and H_3PO_4 , $1/n \approx 0.5$ and for H_2SO_4 , 0.7); for more dil. solns., 10^{-3} - $10^{-4}N$, a was a linear function of c (Henry's law).
I. Bencowitz

Smw 1/11 ①

STARZHEVSKIY, V.V.

Using reusable pipes in forcing mixes behind the tunnel lining.
Suggested by V.V. Starzhevskii. Rats. predl. no. 43:8 '59.
(MIRA 14:1)

(Tunneling)

STARZHINSKAYA, I.

Everyday activity of the employees. Obshchestv.pit. no.7:42 J1 '60.
(MIRA 13:9)

1. Direktor restorana "Primorskiy" g.Sevastopolya.
(Sevastopol--Restaurants, lunchrooms, etc.--Employees)

FEN'VESH, E.; GEMESHI, T.; NEMET, F.; SHANDOR, T.; GASYOROVSKI, L.;
STARZHINSKI, A.

Semiautomatic measuring instrument for processing pictures obtained
in the bubble chamber and the Wilson chamber. Prib. i tekh. eksp.
6 no.2:68-72 Mr-Ap '61. (MIRA 14:9)

1. Tsentral'nyy issledovatel'skiy institut fiziki, Budapesht (for
Fen'vesh, Gemeshi, Nemet, Shandor). 2. Institut yadernykh
issledovaniy, Varshava (for Gasyorovski, Starzhinski).
(Photography, Particle track)

STARZHINSKI^Y, B. M.

Ob avtokolebaniakh slediashchego elektroprivoda. (Prikladnaia matematika i mekhanika, v. 13, p. 41-50, tables, diagrs.)

Title tr.: Auto-oscillations of follow-up electric drives.

QA801.P7 1949

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

POTAPOV, A.T., inzh.; STARZHINSKIY, S.P., inzh.

Rejecting the use of drains in the body of concrete dams. Gidr.
stroi. 30 no.10:17-19 O '60. (MIRA 13:10)
(Ukraine--Dams)

STARZHINSKIY, V. M.

PA 39/49T58

USSR/Mathematics - Mechanics Jan/Feb 49
Electronics - Servomechanisms

"Automatic Oscillations of an Electric Follower Drive," V. M. Starzhinskiy, Moscow, 10 pp

"Priklad Matemat i Mekh" Vol XIII, No 1

Attempts to calculate inertia of the servomotor and the object, counter emf and self-induction in the armature circuit of the servomotor, friction of the servomotor and the object, and freedom in the gear transmission from the servomotor to the object. Submitted 20 Oct 48.

 39/49T58

STARZHINSKIY, V.M.

323

Starzhinskiy, V. M. Sufficient conditions for stability of a mechanical system with one degree of freedom. Akad. Nauk SSSR. Prikl. Mat. Meh. 16, 369-374 (1952). (Russian)

By considering the behavior of a suitable quadratic form, $V(t) = ax^2 + 2bxy + cy^2$, where $\dot{x} = y$, $\dot{y} = -q(t)x - p(t)y$, a method first introduced by Liapounoff, the author presents some sufficient conditions for the boundedness of the solutions of $\ddot{x} + p(t)\dot{x} + q(t)x = 0$. As an interesting application he considers the case where $p(t) = a$, $q(t) = 1 + r \cos 2t/k$, $0 < r < 1$.

R. Bellman (Santa Monica, Calif.)

SMW

Source: Mathematical Reviews,

Vol. 13 No. 10

STARZHINSKIY, V. M.

USSR/Mathematics - Stability of Non-
stationary Motion

Jul/Aug 52

"Stability of Nonstationary Motion in One Case," V. M. Starzhinskiy, Moscow

"Prikladnaya Matematika" Vol XVI, No 4, pp 500-504

Considers the sufficient conditions governing the stability of nonstationary motion according to Liapounoff for the case where the eqs of excited motion are reduced to one linear 3d-order differential eq: $x''' + px'' + qx' + rx = 0$ (where coeffs p, q, r are functions of time t).

225T55

STARZHINSKIY, V. M.

2

2076. Starzhinskiy, V. M., Stability of a certain mechanical system with one degree of freedom (in Russian), *Prikl. Mat. Mekh.* 16, 1, 117-122, Jan.-Feb. 1953.

Author extends Lyapunov's method for the stability of motion to the mechanical system with one degree of freedom and constant dissipation, governed by equation $y'' + ay' + p(x)y = 0$, where $a > 0, \omega > 0, p(x + \omega) = p(x) \geq 0$.

The solutions $f(x)$ and $\varphi(x)$, with initial conditions, are found by means of the multiple integrals of the different values x_i of the variable x . These are the new variables, subjected to the condition $x > x_1 > \dots > x_n > 0$. Three values of the coefficient $A = \{(\omega + \varphi'(\omega)) / (1 + e^{-a\omega})\}$ are calculated. For $a = 0$, the result coincides with Einaudi's result (*Atti Ist. Veneto Sci.* 95, 1936). However, Lyapunov's inequality $A_n^2 > (nA_{n-1}A_{n+1}) / (n-1)$, $n \geq 2$, is not confirmed; for that reason his method is not applicable in this case.

The derived relations are applied to the equation $y'' + ay' + C(1 + \lambda \cos x)y = 0$, $a = \omega\alpha/2\pi, C = \omega^2/4\pi^2$ [AMR 6, Rev. 340]. The zones of the stability are shown graphically in the system of the parameters (C, α, λ) .

Reviewer thinks that the author's example may be reduced, by the change $y = ze^{-ax}$, to Mathieu's equation $z'' + C(1 + \lambda \cos x)z = 0$ [N. W. McLachlan, "Theory and application of Mathieu functions," Oxford, 1947].

D. Rašković, Yugoslavia

USSR/Mathematics - Stability of Motion Jan/Feb 53

"Stability of a Certain Mechanical System With One Degree of Freedom," V. M. Starzhinskiy, Moscow

"Priklad Matemat i Mekhan" Vol 17, No 1, pp 117-122

Investigates stability of nonperturbed motion according to A. M. Lyapunov (see "General problem of stability of motion" ONTI, 1935) in the case where eqs of first approximation of

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perturbed motion are reducible to second order differential eqs of special type. Received 20 Oct 52.

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STARZHINSKIY, V. M.

STARZHINSKIY, V. M.

"Stability of a Trivial Solution of a Second-Order Differential Equation With Periodic Coefficients", Inzhenernyy Sb., Vol 18, 1954, pp 119-138.

The author generalizes several results of A. M. Lyapunov which refer to second-order equations with periodic coefficients. In particular, the following system is studied:

$$\frac{dx_1}{dt} = P_{11} X_1 + P_{12} X_2, \quad \frac{dx_2}{dt} = P_{21} X_1 + P_{22} X_2, \text{ where } P_{ij} \text{ are}$$

periodic continuous functions of t , and the functions P_{12} and P_{21} are sign-constant. (RZhMat, No 1, 1955).

SO: Sum. No. 443, 5 Apr. 55

STARZHINSKIY, V.M.

USSR/Mathematics - Stability conditions survey

FD-847

Card 1/1 : Pub. 85 - 12/14

Author : Starzhinskiy, V. M. (Moscow)

Title : Survey of works on conditions governing the stability of the trivial solution to a system of linear differential equations with periodic coefficients

Periodical : Prikl. mat. i mekh., 18, 469-510, Jul/Aug 1954

Abstract : Considers in this survey procedures for effectively determining the stability of the trivial solution to a system of linear differential equations with periodic coefficients. One hundred references (11 French, 7 German, 2 Italian, 3 English language, 1 Swedish, and remainder Russian and USSR). Notes that the Kreyn function (see preceding abstract) can be approximated by $X(t) = t + 2t^{2/3} + 19t^{3/45} + 236t^{4/945} + \dots$ for sufficiently small t .

Institution : --

Submitted : March 18, 1954

STARZHINSKIY, V. M.

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2480. Starzhinskiy, V. M., Stability of flexible shafts with nonsymmetric spacing of pulleys (in Russian), *Inzhener, Sbornik, Akad. Nauk SSSR* no. 20, 31-36, 1954.

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VAM/IR

STARZHINSKIY, V.M.

Math ✓ Starzhinskiy, V. M. A survey of works on the conditions of stability of the trivial solution of a system of linear differential equations with periodic coefficients. Amer. Math. Soc. Transl. (2) 1 (1955), 189-237. Translated from Prikl. Mat. Meh. 18 (1954), 469-510; MR 16, 249. *1* *1-1/W*

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1/22

FD-1444

USSR/Physics - Stability of motion

Card 1/1 : Pub. 85 - 13/15

Author : Starzhinskiy, V. M. (Moscow)

Title : ~~Remarks on the investigation of the stability of periodic motion~~
Remarks on the investigation of the stability of periodic motion

Periodical : Prikl. mat. i mekh. 19, No 1, 119-120, Jan-Feb 1955

Abstract : The author shows that the investigation of the stability of the trivial solution to a system of two linear differential equations of the first order with periodic coefficients can be reduced to the investigation of the stability of the trivial solution of a two-term equation with non-negative periodic coefficient. Thus he applies in the indicated case the method for analyzing stability proposed by A. M. Lyapunov (1902). The author acknowledges the Lyapunov reference to V. A. Yakubovich. Two references: A. M. Lyapunov, Sur une serie dans la theorie des equations differentielles lineaires du second ordre a coefficients periodiques, Zap. Akademii Nauk po fiz-mat. otd, 13, No 2, 1902; V. M. Starzhinskiy, "Survey of works on conditions for the stability of the trivial solution of a system of linear differential equations with periodic coefficients," Prikl. mat. i mekh. 18, No 4, 1954.

Institution : --

Submitted : October 4, 1954

STARZHINSKIY, V.M.

✓ Starzhinskiy, V. M. On stability of unsteady motions in a special case. Prikl. Mat. Meh. 19 (1955), 471-480. (Russian) 1 - F/W

The solutions of $\ddot{x} + p\dot{x} + \dot{x} + r(t)x = 0$, with $p = \text{const} > 0$, $0 \leq r(t) \leq N$, are bounded as $t \rightarrow \infty$ if $N \leq p - \frac{1}{2}p^2$, $0 < p \leq \sqrt{2}$, or if $N \leq p^{-1}$, $p \geq \sqrt{2}$. This supplements a previous result of the author [Prikl. Mat. Meh. 16 (1952), 500-504; MR 14, 170]. In the case of $\ddot{x} + p\dot{x} + q\dot{x} + \dot{x} + s(t)x = 0$, with constant positive p and q , and $0 \leq s(t) \leq \Sigma$, sufficient conditions are $(\frac{1}{2}p^2 - pq + 2)p \leq \Sigma \leq 1/q$ if

$$(8p)^{-1}(p^2 + 8 + (p^2 + 16p^2)^{1/2}) \leq q \leq \frac{1}{2}p^2 + 2p^{-1},$$

and $\Sigma \leq 1/q$, if $q \geq \frac{1}{2}p^2 + 2p^{-1}$. The method of proof is to establish the existence of a positive-definite quadratic form which serves as a Lyapunov function.

F. V. Atkinson (Canberra).

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STARZHINSKIY, V.M.

40-5-19/20

AUTHOR: STARZHINSKIY, V.M. (Moscow)

TITLE: On the Stability of Periodic Motions in a Special Case (Ob ustoychivosti periodicheskikh dvizheniy v odnom spetsial'nom sluchaye)

PERIODICAL: Prikladnaya Mat. i Mekh., 1957, Vol. 21, Nr 5, pp. 720-722 (USSR)

ABSTRACT: In a preceding paper the author extended Lyapunov's method [Ref.2] for the determination of the stability to the general case of the system of two linear differential equations of first order with periodic, piecewise continuous coefficients. The investigations led to the determination of the stability of the undisturbed motion, whereby, however, a certain special case must be excluded from the consideration. This special case consists in the vanishing of the sum of two characteristic values. These characteristics themselves are obtained by taking the mean from the coefficient functions of the considered system. In the considered special case the trivial solution of the initial system has no asymptotic character. In the present article the author completes the previous paper by proving that the stability criterion for the undisturbed motion - which he formerly set up - can be also transferred to this special case. The author particularly refers to the work

Card 1/2

STANZHENSKIY, Vyacheslav Mikhaylovich (AU Corr Inst of Textile & Light Ind) awarded sci degree of Doc Physico-Math Sci for 13 Jun 57 defense of dissertation: "Certain questions of the persistence of periodic movements" at the Council, Inst of Mechanics, AS, USSR; Prot No 6, 15 Mar 58.
(BMV 0, 7-58,21)

STARZHINSKIY, V.M. (Moskva)

Stability of trivial solutions for linear systems with periodic
coefficients. Prikl.mat. i mekh. 22 no.5:646-656 S-0 '58.
(MIRA 11:11)

(Differential equations)

STARZHINSKIY, V.M.

Torsional vibrations of crankshafts of looms. Part 1. Nauch.
dokl.vys.shkoly; mash. i prib. no.1:51-57 '59. (MIRA 12:8)

1. Stat'ya predstavlena kafedroy "Konstruirovaniye mashin i
avtomatov" Vsesoyuznogo zaochnogo instituta tekstil'noy i legkoy
promyshlennosti.

(Crankshafts and crankshafts--Vibration)

STARZ-HIN SKAY, U.S.A.

16(1) PHASE I BOOK EXPLOITATION SOV/2660
Vsesoyuzny matematicheskiy s'yezd. 3rd, Moscow, 1956
Trudy. t. 4: Kratkiye soobsheniya sektsionnykh doklady. Doklady inostrannykh uchennykh (Transactions of the 3rd All-Union Mathematical Conference in Moscow. vol. 4: Summary of Sectional Reports of Foreign Scientists) Moscow, Izd-vo AN SSSR, 1959. 247 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskiy institut.
Tech. Ed.: G.M. Shevchiko; Editorial Board: A.A. Abramov, V.O. Boltyanskiy, A.M. Kasil'yev, B.V. Medvedev, A.D. Myshkis, S.M. Nikol'skiy (izdaniye), A.G. Postnikov, Yu. V. Prokhorov, K.A. Shabatov, P. M. Ul'yayev, V.A. Uspenskiy, M.D. Chetaev, G. Ye. Shilov, and A.I. Shirshov.

PURPOSE: This book is intended for mathematicians and physicists.
COVERAGE: The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the Conference that were not included in the first two volumes. The second part contains the text of reports submitted to the editor by non-Soviet scientists. In those cases when the non-Soviet scientist did not submit a copy of his paper to the editor, the title of the paper is cited and, if the paper was printed in a previous volume, reference is made to the appropriate volume. The papers, volume, reference, and other appropriate topics in number theory, algebra, differential and integral equations, function theory, functional analysis, probability theory, topology, mathematical problems of mechanics and physics, computational mathematics, mathematical logic and the foundations of mathematics, and the history of mathematics.

Shirshov, V.M. (Moscow). On the problem of the boundedness of solutions of a system of linear differential equations with periodic coefficients 37
Smirnov, S.I. (Moscow). Asymptotic solution of linear non-homogeneous differential equations and its applications to the design of shells and blades 39
Chechik, V.A. (Voronezh). Singular differential equations 40
El'sgolts, L.E. (Moscow). Periodic solutions of quasilinear differential equations with delayed argument 41
Yablovich, V.A. (Leningrad). Extension of certain studies of A.M. Lypunov on a differential equation of the second order to canonical systems with periodic coefficients 41
Yunshin, M.M. (Moscow). On discontinuities in solutions of quasilinear equations 42

Card 9/31

STARZHINSKIY, V.M.

Calculating torsional vibrations of loom crankshafts. Nauch.
dokl. vys. shkoly; mash. i prib. no.2:44-47 '59. (MIRA 12:12)

(Crankshafts and crankshafts--Vibration)

16(1)

SOV/179-59-4-6/40

AUTHOR:

Starobinskiy, V. M. (Moscow)

TITLE:

On Lyapunov's Method of Evaluating the Characteristic Constant

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye, 1959, Nr 4, pp 46-55 (USSR)

ABSTRACT:

The method developed by Lyapunov for evaluating the characteristic constant (Ref 1) in an equation of two terms and a non-negative periodic coefficient is extended here to the general case of a system of two linear differential equations of the first order with periodic coefficients. The stability of an undisturbed motion of a dynamic system is investigated when the equations of first approximation of the disturbed motion have the form of (1.1). This formula (1.1) is transformed to (1.4). The characteristic constant A according to Lyapunov (Ref 1) is indicated as a convergent series, formula (1.6). The inequalities (4.1) and (4.2) were proved in the author's paper (Ref 3). They are transformed here to the inequalities (1.9) for the terms of the series (1.6). To be able to use Lyapunov's method (Ref 1) of evaluating the characteristic constant A , an inequality is obtained which shows that

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SOV/179-59-4-6/40

On Lyapunov's Method of Evaluating the Characteristic Constant

The modulus of the ratio of two neighboring terms of the series (1.6) decreases monotonously with the increase of n . The analysis of the stability is put forward, and the applicability of Lyapunov's method for evaluating A of the system (1.4) is shown. The case where the functions a_{12} and a_{21} (real integrable piecewise continuous periodic functions of a real variable t with a period $\omega > 0$) have different signs, is investigated. The conditions of sufficiency for the stability and instability are determined for this case. There are 8 Soviet references.

SUBMITTED: February 4, 1959

Card 2/2

STARZHINSKIY, V.M. (Moskva)

On the stability of the trivial solution of a system of two
linear differential equations with periodic coefficients.
Prikl.mat.i mekh. 24 no.3:578-581 My-Je'60. (MIRA 13:10)
(Differential equations, Linear)

STARZHINSKIY, V. M.

"The oscillating chains."

Paper presented at the Intl. Symposium on Nonlinear Vibrations, Kiev, USSR,
9-19 Sep 61

All Union Extra-Mural Institute of Textile and Light Industry, Moscow, USSR

STARZHINSKIY, V.M. (Moskva)

Free not completely elastic vibrational chains. Izv. Akad. Nauk SSSR. Otd. tekhn. nauk. Mekh. i mashinostr. no. 6: 68-73 N-D '61. (MIRA 14:11)
(Vibration)

S/040/62/026/001/019/023
D237/D304

AUTHOR: Starzhinskiy, V.M. (Moscow)

TITLE: Free, perfectly elastic oscillating chains

PERIODICAL: Akademiya nauk SSSR. Otdeleniye tekhnicheskikh nauk. Prikladnaya matematika i mekhanika, v. 26, no. 1, 1962, 172-181

TEXT: Using a generalized coordinate system the author considers a mechanical system with holonomic time independent constraints, in which work performed by reactions during any possible displacement is negative, i.e. Eq. (1.1)

$$\sum_{\nu=1}^n R_{\nu}(\dot{q}_1, \dots, \dot{q}_n) \dot{q}_{\nu} < 0.$$
 Equations of motion are

given and stability of non-perturbed motion in Laypunov's (Ref.: Obshchaya zadacha ob ustoychivosti dvizheniya (General Problem of the Stability of Motion), Khar'kov, 1892) sense is investigated by variational methods. A system of an "oscillating chain" is defined, and the

Card 1/2

STARZHINSKY, V.M. (Moscow) YAKUPOVICH, V.A. (Leningrad)

" Contribution to the Lyapunov method of determining
periodic solutions"

Report presented at the 2nd All-Union Congress on Theoretical
and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

STARZHINSKIY, V. M. (Moscow)

"Vereinigung der Methoden von Ljapunow und Poincare in der Theorie der nichtlinearen Schwingungen."

report submitted for 3rd Conf on Nonlinear Oscillations, E. Berlin, 25-30 May 64.

GERTSBERG, Ye.Ye.; STARZHINSKIY, V.M.

[Statics] Siatika. Moskva, Vses. zaachnyi in-t tekstil'-
noi i legkoi promyshl., 1964. 163 p. (MIRA 18:4)

L 00592-66

ACCESSION NR: AR5019350

UR/0124/65/000/007/A011/A012
531.36+531.391.3

SOURCE: Ref. zh. Mekhanika, Abs. 7A97

AUTHOR: Yakubovich, V. A.; Starzhinskiy, V. M.

TITLE: A parametric resonance system with multiple degrees of freedom

CITED SOURCE: Tr. Mezhvuz. konferentsii po prikl. teorii ustoychivosti dvizheniya i analit. mekhan., 1962. Kazan', 1964, 123-134

TOPIC TAGS: canonic equation system, frequency order, forced oscillation stability, resonant system, instability area boundary

TRANSLATION: The authors analyze the equation system $\frac{dx}{dt} = [C + \epsilon A(\theta t)] x$ where C is a constant $2k \times 2k$ matrix with pure imaginary eigenvalues $i\omega_\nu (\nu = \pm 1, \dots, \pm k)$.

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L 00592-66

ACCESSION NR: AR5019350

while $A(s)$ is a 2×2 periodic matrix. All critical frequencies are given for some classes (i. e. t -invariant, canonical) of systems of type (1). These assume the form

$$\sigma_0 = |\omega_j \pm \omega_h|/m \quad (j, h = \pm 1, \dots, \pm k, m = 1, 2, \dots)$$

A formulation of the M. G. Krein theorem for canonic systems is presented, employing the concepts of first and second order frequencies. Formulas are given for canonic equation systems to define boundaries of instability areas in plane $\mathcal{E}\mathcal{D}$ with an accuracy ranging to small $O(\epsilon)$ inclusive. The importance of a study of combination resonances in system (1) are emphasized and the feasibility of expanding combination resonance regions by introducing minor friction is indicated. Calculation results are cited to clarify the failure of the Takomskiy bridge. Formulas are given for first approximations of characteristic exponents of systems similar to canonic. The results derived are applied in a study of the stability of forced periodic oscillations in the quasilinear system

$$\begin{aligned} M\ddot{v} + Q_0\dot{v} + P_0v &= f(t) + \epsilon g(t, v, \dot{v}, \epsilon) \\ f(t+T) &= f(t), \quad g(t+T, v, \dot{v}, \epsilon) = g(t, v, \dot{v}, \epsilon) \end{aligned}$$

for resonant and nonresonant formulations. K. G. Valeyev

SUB CODE: ME, MA

ENCL: 00

Card 2/2 DP

STARZHINSKIY, Vyacheslav Mikhaylovich; GUGLINA, L.A., red.

[Dynamics] Dinamika. Moskva, Vses. zaochnyi in-t tekstil'
i legkoi promyshl., 1965. 229 p. (MIRA 18:11)

S/117/60/000/012/011/022
A004/A001

AUTHORS: Belyy, V. A., Starzhinskiy, V. Ye., Sviridenok, A. N.
TITLE: Large-Size Polyamide Bearings With Heat-Conducting Filler
PERIODICAL: Mashinostroitel', 1960, No. 12, pp. 31-32

TEXT: Polyamide slide bearings have been widely used lately in industry because of their high antifriction properties. However, an important deficiency of polyamide bearings, their comparatively low heat resistance and poor heat conduction, have limited their application considerably. The Gomel' Branch of the Laboratoriya prochnosti i dolgovechnosti detaley mashin Instituta mashinovedeniya AN BSSR (Laboratory of Strength and Durability of Machine Parts of the Institute of the Science of Machines at the AS BSSR) has developed a new centrifugal-vacuum method of manufacturing large-size slide bearings and other parts of thermoplastics possessing the shape of bodies of revolution. The new method is characterized by the fact that the parts are shaped in a vacuum from a melt on account of centrifugal forces. The initial material (primary or secondary polyamide) is carefully mixed with a definite quantity of a heat-conducting filler and placed in a cylindrical mold which is then hermetically closed by lids. Then the air is pumped out

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S/117/60/000/012/011/022
A004/A001

Large-Size Polyamide Bearings With Heat-Conducting Filler

tests that even a specific centrifugal pressure of 1 - 1.5 kg/cm² is sufficient to obtain quality castings. The authors present the following formula which may be used to determine the necessary velocity of rotation of the mold depending on the dimensions of the part being cast:

$$n = 16.5 \cdot 10^3 \sqrt{\frac{R}{\gamma(R^3 - r^3)}}$$

where R and r - outer and inner radii of the part being cast in cm; γ - specific gravity of the material in g/cm³; n - rated velocity of rotation of the mold

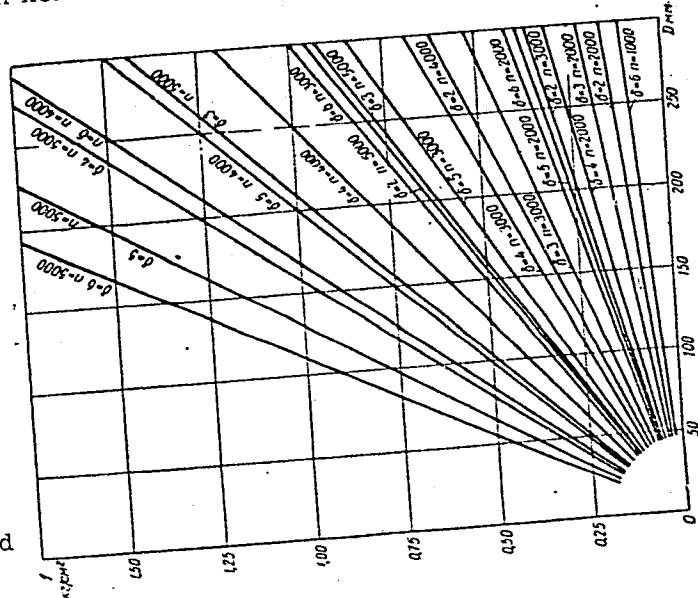


Figure 3:

Card 3/4

S/117/60/000/012/011/022
A004/A001

Large-Size Polyamide Bearings With Heat-Conducting Filler

in rpm. The graph in Figure 3 shows the graphical dependence of casting specific pressure f upon outer diameter D and thickness δ of the part being cast and number of revolutions n of the mold. There are 3 figures. ↓

Card 4/4

BELYY, V.A.; STARZHINSKIY, V.Ye.

Effect of processing procedures of physicomechanical properties
of capron. Sbor.trud.Inst.mash.i avtom.AN BSSR no.2:116-135 '61.
(MIRA 15:3)

(Nylon--Testing)

L 33078-66 EWT(m)/EWP(j)/T LIP(c) DJ/RM

ACC NR: AP6024152

SOURCE CODE: UR/0201/66/000/001/0095/0100

AUTHOR: Bolyy, V. A.; Starzhinskiy, V. Ye.; Petrokovets, M. I. 43
BORG: Division of Polymer Mechanics, AN BSSR (Otdel mekhaniki polimerov AN BSSR)

TITLE: Question of the geometric calculation of a metallopolymer transmission with cast plastic gear wheels

SOURCE: AN BSSR. Vestsi. Seryya fizika-tekhnichnykh navuk, no. 1, 1966, 95-100

TOPIC TAGS: transmission gear, metallopolymer material, thermoplastic material, die, vacuum casting, centrifugal casting, geometry, mechanical engineering

ABSTRACT: The fundamental principles for the geometric calculation of involute gears with plastic wheels have their basis in the theory of involute gears. However, the need to consider certain peculiarities of plastics (shrinkage, high coefficient of linear expansion, susceptibility to absorption of moisture) complicates the problem of designing and performing the geometric calculation of metallopolymer gears. Gear wheels of thermoplastic materials can be made by pressure die-casting, centrifugal vacuum casting, etc. Since teeth which do not undergo subsequent machining are molded in a die, special attention must be given to the geometry of the die elements forming the teeth, and hence the geometric calculation of metallopolymer gear will depend on the geometry of the machine-tool engagement of tool with die or with master wheel. The article shows the possibility of the existence of a gear, one of whose wheels

Card 1/2

0915 1735

POLAND/Zooparasitology - Ticks and Insects Vectors of Disease Agents. G

Abs Jour : Ref Zhur Biol., No 1, 1959, 1039

Author : Starzy, Jan; Zenburowa, Krystyna
Inst :

Title : Eradication of Lice by Impregnation of Linens with Azotox

Orig Pub : Arch. immunol. i terap. doswiadc., 1956 (1957), 4, 461-472

Abstract : For the extensive eradication of linen lice the materials were successfully impregnated with a 4% Azotox solution. After 20 weeks of washing and wearing the linens contained 3% of the active preparation and preserved an insecticide property. The preparation is nontoxic for humans.

Card 1/1

- 35 -

STARZYCKI, STANISLAW

Uprawa i nasiennictwo koniczyn. (Wyd. 1) Warszawa, Panstwowe Wydawn.

Rolnicze i Lesne, 1956. 108 p. (Clover cultivation and seed. 1st ed.)

DA

Not in DLC

SO: "Monthly List of East European Accessions (EPAL) Lc. Vol. 6, No. 10, October 1957.Uncl.

LEJMAN, Kazimierz, prof. dr.; KOWARZ-BOKCLOWSKA, Heleny STAMINSKI,
Andrzej, STARZYCKI, Zbigniew

Therapeutic failures in the treatment of gonorrhoea with peni-
cillin based on cases from the Dermatologic Clinic in Grawow
in 1962-1963. Przegl. dermat. 52 no.2:105-110 Mr-Apr '65

1. Z Kliniki Dermatologicznej Akademii Medycznej w Krakowie
(Kierownik: prof. dr. K. Lejman).

LEJMAN, Kazimierz; STAPIŃSKI, Andrzej; KOCHAŁA-SOKOŁOWSKI, Helena;
STARZYCKI, Zbigniew

Theoretical and clinical criteria supporting the need for the
increase of penicillin dosage in the treatment of gonorrhoea
by public health services in Poland. Przegł. dermat. 52 no.3:
223-229 Wy-Je '65.

1. z Kliniki Dermatologicznej AM w Krakowie (Kierownik: prof.
dr. K. Lejman).

ACC NR: AP7003633

quenching temperatures above 1000 C are not recommended due to resultant grain growth (recrystallization) and embrittlement. Orig. art. has: 12 figures, 4 tables, and 2 formulas. [DR]

SUB CODE: 11, 13/SUBM DATE: none/ORIG REF: 003/OTH REF: 003/

Card 2/2

GRUSZCZYNSKI, Pawel; KALISZ, Jozef; MAREK, Edward; STARZYCZNY, Jerzy

New solution of feeding an Ingersol/Rand turbocompressor. Gosp paliw
11 Special issue no.(95):59 Ja '63.

1. Kopalnia Debiensko.

GRUSZCZYNSKI, Pawel; KALISZ, Jozef; MARCIK, Edward; STARCZYŃSKI, Jerzy

New solution of feeding an Ingersol/Rand turbocompressor.
Gospaliw 11 Special issue no.(95):59 Ja 1963.

STARZYK, A.

Combined para-articular arthrodesis of the shoulder. Acta chir.
iugosl. 1 no.4:342-353 1954.

1. Ortopedska klinika Medicinskog fakulteta u Zagrebu (Predstojnik
prof. dr. Ferdo Grospic)
(SHOULDER, surg.
arthrodesis, para-articular technic)

STARZYK, A: MANDIC, V.

Surgical treatment of recurrent shoulder dislocations. Acta chir.
iugosl. 2 no.1:40-50 1955.

1. Ortopedska klinika Medicinskog fakulteta u Zagrebu (Predstojnik
prof. dr Ferdo Grospic)
(SHOULDER, dislocation
recur., surg. (Ser))

STARZYK, A.

Osteotomy of the lumbar vertebra in a case of ankylosing spondylitis. Acta chir.iugosl. 2 no.2-3:266-271 '55.

1. Ortopedska klinika Medicinskog faculteta u Zagrebu (predstojnik: prof. dr. Ferdo Grospic)

(SPONDYLITIS, ANKYLOSING, surg.

osteotomy of lumbar vertebra, results (Ser))

(SPINE, surg.

osteotomy of lumbar vertebra in ankylosing spondylitis, results (Ser))

STARZYK, A.

Retrolisthesis of the 5th lumbar vertebra. Acta chir. Uigosl.
11 no.2:108-116 '64

1. Ortopedska klinika Medicinskog fakulteta u Zagrebu (Pred-
stojnik: prof. dr. E. Grospic).

YUGOSLAVIA

STARZYK, Albert; and DURRIGL, Pavao, Orthopedic Clinic of the Medical Faculty of the University (Ortopedska klinika Medicinskog fakulteta) Zagreb.

"Combined Para-Articular Arthrodesis of the Shoulder Joint"

Radovi Medicinskog Fakulteta u Zagrebu, Vol 14, No. 1, 1966; pp 11-19

Abstract [German summary modified]: Detailed description of the operation in 2 girls aged 13 and 19 and having a crippled shoulder joint due to sequelae of poliomyelitis, with follow-up 10 years thereafter and excellent functional result; an additional 16 patients were operated during the last 15 years, all but 4 had good results. 4 roentgenograms, 2 patient photographs, 4 Western and 3 Yugoslav references. Manuscript received 6 May 1966.

1/1

HIRNLE, Zbigniew; STARZYK, Henryk

Pancreatography. Radio-anatomical study on isolated normal pancreas. Pol. przegl. radiol. 28 no.3:269-278 My-Je '64

1. Z Kliniki Radiologicznej Akademii Medycznej we Wrocławiu (Kierownik: doc. dr. Z. Kubrakiewicz) i z Zakładu Anatomii Patologicznej Akademii Medycznej we Wrocławiu (Kierownik: prof. dr. A. Albert).

STARZYK, Henryk

A case of alkaptonuric ochronosis. Pat. pol. 14 no.1:143-149
'63.

1. Z Zakładu Anatomii Patologicznej AM we Wrocławiu Kierownik:
prof. dr Z. Albert ze Szpitala Powiatowego w Krosnie n. Wisł.
Dyrektor: dr J. Dubiel.
(ALKAPTONURIA) (OCHRONOSIS)

STARZYK J.

Kostrzych, P., and Starzyk, J., Porownawcze badania kilku preparatami jak DDT, Delicia, Lausepuder Pyretrum przy zwalczaniu wszawicy Comparative studies on some disinsectant preparation used for combating lousiness Przegląd Epidemiologiczny, Warsaw 1948, 2/3-4 (219-236) Graphs 4 Tables 11.

Investigations were carried out on the efficacy of the following disinsectant preparations used in Poland for combating lousiness in case of typhus fever: DDT, the German preparation 'Delicia', and pyrethrum. Lausepuder destroys lice much quicker than DDT and also destroys nits, in contrast to DDT which affects lice only. Lausepuder also repels lice. The effect of pyrethrum upon lice is somewhat stronger than that of the delicia powder. The delicia powder effect upon lice is considerably weaker than that of the other disinsectants mentioned.

Kozar - Gdansk

SO: Medical Microbiology & Hygiene Section IV Vol. 3, No. 7-12

STARZYK J. Wplyw antybiotykow i iperytu na rickettsiae (Doniesienie tymczasowe)
Action of antibiotics and yperite (mustard gas) on rickettsiae (preliminary report)
Przegląd Lekarski, Cracow 1949, 5/17 (512-513)

Investigations carried out with penicillin, streptomycin, aureomycin and yperite showed that aureomycin is the most effective drug against rickettsiae, killing them within 30 hours; secondly, penicillin; thirdly yperite and fourthly, streptomycin.

Kozar - Gdansk (XX, 4, 2, 6)

So: Medical Microbiology and Hygiene, Section IV, Vol 3, No 1-6

STARZYK J. Wplyw penicyliny na rickettsiae, The influence of penicillin upon rickettsiae, Przegląd Lekarski, Cracow 1949, 5/20 (593-596) Graphs 6

The direct influence of penicillin upon the vitality and virulence of *R. prowazeki* was investigated. The preventive and curative action of penicillin (500 U./ml.) on *R. prowazeki* in lice was examined. 30,000 lice were used. The results are as follows: (1) Penicillin has a noxious influence upon *R. prowazeki*. (2) In a penicillin medium *R. prowazeki* live a shorter time than in a solution of NaCl. (3) Penicillin has a noxious effect upon *R. prowazeki* inoculated into lice. (4) Penicillin is slowly excreted by lice. (5) Penicillin used on infected lice has a noxious influence upon *R. prowazeki*.

Kurylowicz - Warsaw (IV, 6)

So: Medical Microbiology and Hygiene, Section IV, Vol 3, No 1-6

~~STARZYK, J.~~

Control of pediculosis by impregnation of undergarment
with azotox. Prsegl. lek., Krakow 9 no.10:258-262 1953.

(CINL 25: 5)

1. Of the Institute of Microbiology (Head --Prof. S. Legosynski,
M.D.) of Krakow Medical Academy.

STARZYK, J.; HASLINGER, R.; DOLEZAL, M. (Krakow)

Effect of tenacetin on *Toxoplasma gondii*. *Wiadomosci parazyt.*,
Warsz. 2 no. 5 Suppl:51-52.1956.

1. Zaklad Mikrobiologii Lekarskiej AM.
(TOXOPLASMA, effect of drugs on,
gondii, tenacetin (Pol))
(ANTIBIOTICS, effects,
tenacetin on *Toxoplasma gondii* (Pol))

EXCERPTA MEDICA Sec. 17 Vol. 3/8 Public Health Aug. 57

2438. STARZYK J., PRZYBYŁKIEWICZ Z., DOLEZAL M., LUTYŃSKI R. and
RUDOLF A. Zakł. Mikrobiol. Lek. A. M. i Wojewódzka Stacja San.-Epid.,
Kraków. *Badania nad częstością występowania zakażenia *Toxoplasma*
gondii wśród pracowników rzeźni województwa krakowskiego. Investigat-
ions on the frequency of *Toxoplasma gondii* infection a-
mong slaughter-house workers in the Cracow district
WIAD. PARAZYTOL. 1956, 2/5 suppl. (53-54)

Frenkel's intracutaneous test and Sabin-Feldman's colour test were carried out
on slaughterhouse workers in the Tarnów region. Frenkel's test in 131 persons
gave 61.56% positive, 9.88% doubtful and 28.56% negative results. Sabin-Feldman's
test in 30 persons gave 66.60% positive and 33.40% negative results. Further exam-
ination is being carried on.

DOLEZAL, M.; STARZYK, J.; SZMIGIEL, Z. (Krakow)

Peripheral blood picture in experimental toxoplasmosis in guinea pigs. Wiadomosci parazyt., Warsz. 2 no.5 Suppl:55-56.1956..

1. Zaklad Mikrobiologii Lekarskiej AM i III Klinika Chorob Wewnetrznych AM.

(TOXOPLASMOSIS, experimental,
leukocyte count in (Pol))

(LEUKOCYTE COUNT, in various diseases,
exper. toxoplasmosis (Pol))

STARZYK, J.; LASKOWNICKA, Z.; TETMAJER, W. (Krakow-Wroclaw)

Survival of *Toxoplasma gondii* in various environments.
Wiadomosci parazyt., Warsz. 2 no. 5 Suppl:57-58 1956.

1. Zaklad Mikrobiologii Lekarskiej A.M. i Instytut
Immunologii i Terapii Doswiadczalnej im. L. Hirszfelda.
(TOXOPLASMA, culture,
gondii, survival in room temperature (Pol))

STARZYK, J.; PRZYBYLKIEWICZ, Z.; DOLEZAL, M. (Krakow)

Morphological effect of largactil on *Toxoplasma gondii*.
Wiadomosci parazyt., Warsz. 2 no.5 Suppl:59 1956.

1. Zaklad Mikrobiologii Lekarskiej AM.
(CHLORPROMAZINE, effects,
on *Toxoplasma gondii* (Pol))
(TOXOPLASMA, effect of drugs on,
gondii, chlorpromazine (Pol))

STARZYK, J.; DUTKIEWICZ, J. (Krakow)

Effect of DDT on *Toxoplasma gondii*. *Wiadomosci parazyt.*,
Warsz. 2 no.5: Suppl:61-62.1956..

1. Zaklad Mikrobiologii Lekarskiej AM.
(TOXOPLASMA, effect of drugs on,
gondii, DDT (Pol))
(DDT, effects,
on *Toxoplasma gondii* (Pol))

EXCERPTA MEDICA Sec 13 Vol 13/6 Dermatology June 59

1500. COMBATING OF PEDICULOSIS BY MEANS OF AZOTOX-IMPREGNATED LINEN. II - Zwalczenie wszawicy przez zastosowanie bielizny impregnowanej azotoksem. II. - Starzyk J. and Zemburowa K. Zakł. Mikrobiol. Lek. Akad. Med., Kraków - ARCH. IMMUNOL. TERAP. DOSW. (Wrocław) 1956, 4 (461-472) Graphs 15

Body lice were used for biological tests and the modified Alexandrini method for chemical tests. Experiments performed in the laboratory and in the countryside showed the following: (1) The toxicity of azotox in impregnated linen decreases proportionally to the time of wearing and washing. (2) Linen impregnated with 4% azotox proved 38% efficient and contained 3% of the substance after 20 weeks of wearing and washing. (3) Linen impregnated with 4% azotox was suitable for combating pediculosis in the countryside. (4) Persons wearing azotox impregnated linen were free from pediculosis. (5) Persons subjected to these experiments exhibited neither toxic side effects nor skin lesions induced by azotox. (6) The results point to the possibility of mass campaigns against pediculosis by means of impregnated linen. (7) This method is superior to that of dusting, since it is more economical and readily applicable. (XVII, 13)

STMIK 1
EXCERPTA MEDICA Sec 17 Vol 5/5 Public Health May 59

1383. THE FREQUENCY OF APPEARANCE OF INFECTION WITH TOXOPLASMA GONDII AMONG SLAUGHTER-HOUSE WORKERS IN THE CRACOW DISTRICT - Badania nad częstością występowania zakażenia *Toxoplasma gondii* wśród pracowników rzeźni województwa krakowskiego - Starzyk J., Przybyłkiewicz Z., Dolezal M., Lutynski R. and Laskownicka Z. *Zakł. Mikrobiol. Lek. A. M.*, Kraków - PRZEGL. LEK. 1957, 13/11 (335-336 and 352) Tables 1

The authors investigated 9 slaughter-houses in the Cracow district, using the Sabin-Feldman colour reaction and the Frenkel intradermal reaction for toxoplasmosis. Altogether 226 persons were examined, of whom 35% gave a positive reaction to the Sabin-Feldman colour reaction and 39% to the Frenkel skin reaction.

EXCERPTA MEDICA Sec 17 Vol 5/7 Public Health July 59

1986. STUDIES ON THE FREQUENCY OF INFECTION WITH TOXOPLASMA GONDII IN CATTLE AND COW-SHED ATTENDANTS - Badania nad częstością zakażeń *Toxoplasma gondii* u bydła i pracowników oborowych - Starzyk J., Przybytkiewicz Z., Doleżał M., Laškownica Z. and Lutyński R. Zaki. Mikrobiol. Akad. Med. i Woj. Stacji San. -Epid., Kraków - WIAD. PARAZYT. 1958, 4/5-6 (395-396)

Using Sabin-Feldman's dye test, the sera of 400 cattle from 11 herds and several smaller farms in Cracow province were examined. Positive results were recorded in 24.25% of cases. Simultaneously, by the same method, sera of 121 workers engaged in cattle breeding were examined, with 10.74% positive results. In some herds, 90% of the animals reacted positively; in others the proportion was considerably lower. In the first-mentioned herds the proportion was also sometimes higher in people attending the cattle.

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1. (Z I Kliniki Chorob Wewnetrznych A. M. w Krakowie; kierownik: prof. dr Leon Tochowicz i z Zakladu Mikrobiologii Lekarskiej A. M.; kierownik: prof. dr Zdzislaw Przybkiewicz) Adres: Krakow, ul. Kopernika 17. I Klinika Chor. Wewn. A. M.

(CARDIOVASCULAR DISEASES
toxoplasmosis (Pol))

(TOXOPLASMOSIS
cardiovasc. (Pol))