

PISKAREVA, N.A.

Method for studying the antigenic properties of rabies virus.
Trudy Len.inst.epid.i mikrobiol. 17:180-187 '58.

(MIRA 16:2)

1. Iz antirabicheskoy (zav. - N.A. Piskareva) i virusologicheskoy
(zav. - chlen-korrespondent AMN SSSR prof. A.A. Smorodintsev) labora-
toriy Leningradskogo instituta epidemiologii, mikrobiologii i
gigiyeny imeni Pastera.

(RABIES—MICROBIOLOGY) (ANTIGENS AND ANTIBODIES)

PISKAREVA, N.A.

Data on the study of antirabic ultraviolet vaccine prepared from different strains of the fixed rabies virus. Trudy Len. inst. epid. i mikrobiol. 19:173-181 '59. (MIRA 16:2)

1. Iz laboratorii antirabicheskoy (rukovoditel' N.A. Piskareva) i virusologicheskoy (rukovoditel' - chlen-korrespondent AMN SSSR prof. A.A. Smorodintsev) kliniki Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera.
(VACCINES) (RABIES)

L 29362-86

ACC NR: ARJ019276

The degree of PP effect on the contact endurance of steel decreases when steel density is increased. In particular one should expect a lesser PP effect on the contact endurance of steel which has been subjected to electroslag or vacuum remelting. One of the reasons for PP formation on non-pickled surfaces of bearings parts is the contamination of steel by large inclusions which easily chip-off under grinding processes. 11 references.

SUB CODE: 11¹³ SUBM DATE: ~~July~~ none

* [probably or "]

Card 2/2 CC

PISKAREVA, Ye.V.

Histochemistry of alkaline glycerophosphatase in cancers and erosions
of the cervix uteri. Arkh. pat., Moskva 13 no.6:38-40 Nov-Dec 51.
(CJML 21:4)

1. Of the Ukrainian Roentgen-Radiological and Oncological Institute
(Director--Docent Ye.A. Bazlov), Khar'kov.

PISKAREVA, Ye. V.

PISKAREVA, Ye. V. - "Morphological changes in cancerous tumors in the cervix uteri following radiation treatment". Khar'kov, 1955. Khar'kov Medical Inst. (Dissertation for the degree of Candidate of Medical Sciences).

SO: Knizhnaya Letopis' N.. 46, 12 November 1955. Moscow

ISKAREVA, YE. V., AVTONOMOVA, L. V., KONONENKO, A. I., DERKACH, V. S.,
SAVCHENKO, A. M., SOGOMONOV, S. A., MUKHINA, N. A., GORGUNKEL', D. N.,
LEYBOVA, I. M., BALGODETELEVA, V. A.

"The study of antitumor substances formed by microorganisms."

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

ARNAUTOV, A.K.; BURSHEYN, Sh.A.; GENLS, V.S.; KOGAN, I.K.; MAMATYUK, Ye.M.;
LITVINENKO, A.S.; MOSKALENKO, I.P.; NIKOLAYEVA, M.G.; PISKAREVA, Ye.V.;
POPOVA, L.Ya.; RODNEV, L.I.; SIDYAKIN, V.V.; TKACH, V.K.;
FASTYUCHENKO, O.V.; FISUN, A.N.; FRENKEL', L.A.; TSYBENKO, N.A.;
SHRAMENKO, B.I.

Comparative study on the effect of X rays (197 kv) and braking radiation generated with linear accelerator (3 Mev) upon animals. Radiobiologia 2 no.2:211-215 '62. (MC A 15:4)

1. Khar'kovskiy institut meditsinskoy radiologii i Ukrainskoy fiziko-tekhnicheskoy institut AN USSR, Khar'kov.
(RADIATION--PHYSIOLOGICAL EFFECT)

ARNAUTOV, A. K.; BURHTEYN, S. A.; GENES, V. S.; DZHAFAROV, G. K.;
KOGAN, I. A.; MAMOTYUK, Ye. M.; NIKOLAYEVA, M. G.; FILIZARETA,
Ye. V.; POPOVA, L. Y.; TRACH, V. E.; PASTYUC ENKO, G. V.;
FRENKEL', L. A.; TSYBENKO, P. A.

Characteristics of some early reactions of rats, irradiated
with various doses, to burning by flame. Radiobiologiya 2 no.
406-413 1962. (MIRA 1962)

1. Institut meditsins'ov radiologii, Khar'kov.

(X RAYS--PHYSIOLOGICAL EFFECT)
(BURNS AND SCALDS)

1-17558-63

EWT(1)/EWT(m)/EBS/ES(j)

AMD/AFTO/ASD AR/K

ACCESSION NR: AT3002367

S/2930/62/000/000/0095/0102

AUTHOR: Piskareva, Ye. V. (Kharkov) 36

TITLE: Luminescent investigations of blood and marrow formed elements in early developmental stages of radiation injuries in the organism

SOURCE: K voprosam ranney diagnostiki ostroy luchevoy bolezni; sbornik nauchnykh rabot. Kiev, Medgiz USSR, 1962, 95-102

TOPIC TAGS: luminescent microscopy method, formed element of blood, erythrocyte change, leucocyte change, radiation injury

ABSTRACT: Early changes in nucleoprotein formed elements of the blood and marrow of irradiated animals were studied by a luminescent microscopy method to provide helpful data for radiation sickness diagnosis. Rats were X-irradiated by a RUM-3 unit (25-31 r/min) in doses of 300 and 600 r and rabbits were X-irradiated by a RUM-3 unit (17.2 r/min) in doses of 200, 500, and 800 r. Changes in luminosity were studied immediately after irradiation and then after 1, 24, 48, 72 hrs and 5 days. In the first minutes after irradiation the erythrocytes display brick-red luminosity for all doses. Generally for an 800 r dose luminescent changes are more sharply expressed in

Card 1/3

I. 17558-63

ACCESSION NR: AT3002367

0

the erythrocytes than in the leucocyte nuclei. These changes may be related to the protein changes that take place in the blood formed elements at the time of irradiation. After an hour luminescent indices generally return to their normal levels. After 24 hrs the indices increase again up to the 7-10th days. For 200 to 600 r a large number of glowing erythrocytes reappear and the change in leucocyte nuclei luminescence lasts 3 to 7 days, but for 800 r the changes continue for 10 to 14 days. In the following period no sharp changes in blood luminescence are observed, but there are destructive changes in blood cell nuclei and cytoplasm. There also occur marked changes in blood cell composition (leucopenia, lymphocytosis), particularly for 800 r. In the marrow, changes reach their peak after 24 hrs. These changes, which remain at the same level for about 5 days, are characterized by a large number of cells with a red glow, red luminescence in the megakaryocytes of the cytoplasm, and fragmentation of certain cell nuclei. These investigations indicate that the luminescent microscopy method can detect certain structural changes in blood formed elements during early stages of radiation sickness, but then are not specific. Their study is of interest only in the general complex of physico-chemical, electrophysical, and other laboratory methods of investigation. The existing descriptive method of studying formed element

Card 2/3

L-17558-63

ACCESSION NR: AT3002367

luminescence even with color microphotography is not sufficiently objective. To make this method more objective it is necessary to establish qualitative and quantitative change indices and to study the more complex processes with cytophotometric methods. The above luminescent microscopy data on formed elements of the blood and marrow confirms data based on other methods showing that radiation injury development does pass through phases. Orig. art. has: 5 figures.

0

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 28May63

ENCL: 00

SUB CODE: AM

NO REF SOV: 011

OTHER: 008

Card 3/3

ACC NR: AP5027028

SOURCE CODE: UR/0120/65/000/005/0156/0158

AUTHOR: Pisarevskiy, Yu. V.; Tregubov, G. A.; Shaldin, Yu. V.

ORG: Institute of Crystallography of AN SSSR, Moscow (Institut kristallografiya)

TITLE: Measurement of electrooptical indices in the superhigh-frequency fields

SOURCE: Pribory i tekhnika eksperimenta, no. 1, 1965, 156-158

TOPIC TAGS: electrooptic effect, light refraction, SHF

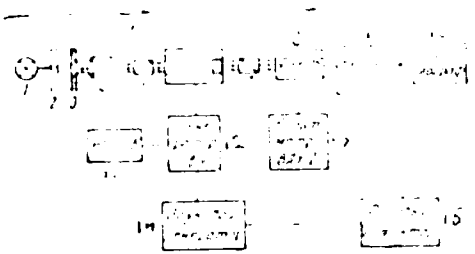
ABSTRACT: The method of measurement of the electrooptical index applied to various crystals is based on establishing the difference in behavior between ordinary and extraordinary waves. This difference is expressed by the formula $n = n_0 + \frac{1}{2} \frac{(\sigma \lambda^2 / \lambda^2) E^2}{\lambda^2}$ where n_0 denotes index of refraction, λ wavelength, σ crystal factor, E field strength, λ and ρ are constants depending on the position of field vector and the direction of light with respect to crystal axes. An arrangement used for measuring the phase shift is shown in Fig. 1 (see Card 2/2). In order to improve the sensitivity, the audio-frequency of 50 cycles was used for the modulation of the superhigh frequency. The effect of modulation on the intensity of light is expressed in the form of Bessel functions. The audio-component of photocurrent is also determined and graphically

Card 1/2

UDC: 537.7-96:537.228.1

ACC NR:AP5027026

presented. The voltage U applied to the crystal is calculated by using the equation $U = \sqrt{\frac{P}{C \omega}}$ where ω and C denote the frequency and capacitance of the modulator, P is the total power measured by the IMM6-meter and $\operatorname{tg} \delta$ represents the tangent of the dielectric-loss angle. The described method is applied to the measurements of electro-optical indices for various crystals at frequencies up to 3 Gc. The precision of measurements is in the limits of 20%. Orig. art. has: 2 figures and 5 formulas.



- (1) -SVDSh 250 lamp; (2) -filter; (3) -diaphragm; (4) -lenses; (5) -polarizer; (6) -resonator with a sample; (7) -analyzer; (8) -FE13C photomultiplier; (9) -880 c amplifier; (10) -oscillograph; (11) -IMM6 power meter; (12) -superhigh-frequency generator; (13) -VLS2 voltmeter; (14) -audio-frequency generator; (15) -phase detector.

Fig. 1

SUB CODE: 20/ SUBM DATE: 28Sep64/ ORIG REF: 000/ UTM REF: 001

Card 2/2

L 24203-66 FBD/EWT(1)/EEC(k)-2/T/EWP(k)/EWA(h) IJP(c) WG 22
 ACC NR: AP6014614 SOURCE CODE: UR/0386/66/003/009/0372/0378

AUTHOR: Akhmanov, S. A.; Kovrigin, A. I.; Kolosov, V. A.; Piskarskas, A. S.; Padeyev, V. V.; Khokhlov, R. V. 58
 50

ORG: Physics Department of the Moscow State University (Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta) 3

TITLE: Tunable parametric light generator²² with KDP crystal

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 9, 1966, 372-378

TOPIC TAGS: laser r and d, parametric converter, parametric amplifier, frequency control

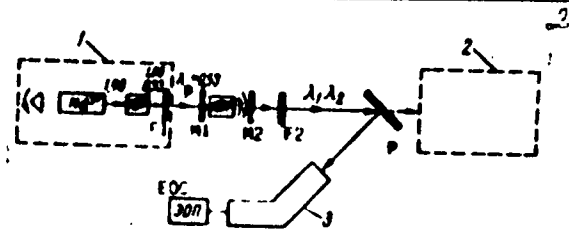
ABSTRACT: The authors present in this communication the results of an experimental investigation that has led to the construction of a continuously tunable parametric generator of coherent light waves in the region of $\lambda \approx 1 \mu$, using a KDP crystal. Continuous tuning of the wavelength was effected mechanically in a band from 9575 to 11775 Å, and the oscillation power reached several kilowatts. The frequency is tuned by rotating a nonlinear crystal in an optical resonator (Fig. 1). Such a scheme has made it possible not only to construct a generator with larger bandwidth than hitherto, but also to attain better reproducibility of the generated frequencies. The pump produced coherent oscillations at 0.53λ (second harmonic of laser with Nd³⁺), the maximum pump power in the unfocused beam reached 30--35 Mw/cm², the pump pulse duration was 25×10^{-9} sec, and the beam divergence was $\sim 7'--8'$, with the

Card 1/2

L 24203-66

ACC NR: AP6014614

Fig. 1. Block diagram of the experimental setup: M_1, M_2 -- mirrors of parametric generator, F_1, F_2 -- filters, P -- plane-parallel plate, 1 -- pump generator, 2 -- meter, 3 -- spectrograph.



length of the KDP crystal 3 cm. The theory of the parametric generator is discussed in detail. Tests have shown the degenerate parametric oscillations ($\lambda_1 = \lambda_2 = 1.06 \mu$) to occur at a pump power $P_p \geq 8-10 \text{ Mw/cm}^2$ (inside the resonator). With increasing deviation from the degenerate mode, the threshold pump power increased. Self-excitation was manifested by the appearance of an intense signal which exceeded the indicator background by a factor of at least 10^3 ; the produced radiation had good directivity and its divergence angle did not exceed $1.5'$. At $P_p \approx 30-35 \text{ Mw/cm}^2$ the power of the parametric oscillations reached 5 kw. Tuning curves of the parametric light generator are presented and agree essentially with the presently accepted theory. The limiting tuning range is found to be determined only by the position of the absorption bands; estimates show that it should be not smaller than 4000 Å. The authors thank N. K. Podolskaya for help with the measurements and I. V. Nishgorodova for help with the data reduction. Orig. art. has: 3 figures and 3 formulas.

[02]

SUB CODE: 20/ SUBM DATE: 17Mar66/ ORIG REF: 006/ OTH REF: 006/ ATD PRESS
 Card 2/2 014 4245

I 6323-66 EWT(1)/EWA(h)

ACC NR: AP5026099

SOURCE CODE: UR/0386/65/002/005/0223/0227

AUTHOR: ^{44, 55} Akhmanov, S. A.; ^{44, 55} Kovrigin, A. I.; ^{44, 55} Piskarskas, A. S.; ^{44, 55} Khokhlov, R. V.ORG: ^{44, 55} Moscow State University in. N. V. Lomonosov (Moskovskiy gosudarstvennyy universitet) 67
03TITLE: ^{21, 44, 55} Generation of ultraviolet radiation by using cascade frequency conversion

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 5, 1965, 223-227

TOPIC TAGS: nonlinear optics, laser, frequency conversion, harmonic generation, second harmonic, *UV radiation, crystal, Raman scattering*

ABSTRACT: Experiments are described in which coherent monochromatic radiation was generated in the frequency range between 0.53 and 0.26 μ . The power output of the ultraviolet radiation attained by cascade frequency conversion of the unfocused radiation in two successive KDP or ADP crystals was not less than 3 Mw. The experimental arrangement used is shown in Fig. 1. A beam from a Q-switched neodymium laser ($\lambda_1 = 1.06 \mu$) with a power output P_1 was incident on a 3-cm-long KDP crystal. The power of the second harmonic ($\lambda_2 = 0.53 \mu$) P_2 from the first KDP crystal was sufficient to produce the fourth harmonic ($\lambda_4 = 0.26 \mu$) by doubling the frequency of the second harmonic, or the third harmonic ($\lambda_3 = 0.35 \mu$) by mixing the fundamental and the second harmonic in the second KDP crystal. A whole series of discrete spec-

Card 1/3

L 8323-66

ACC NR: AP5026099

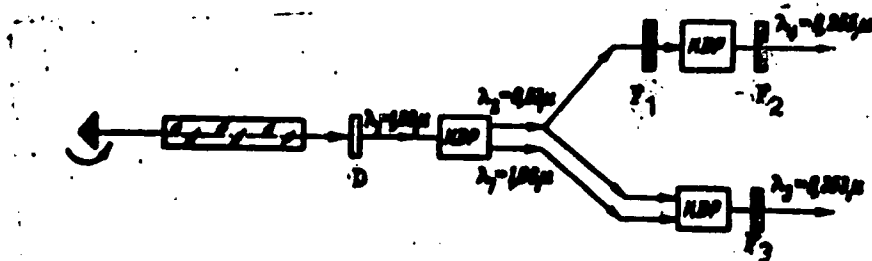


Fig. 1. Experimental setup

D - Discriminator; F₁, F₂, F₃ - filters.

tral lines was also generated by stimulated Raman scattering of the fundamental or the second harmonic. The line intensity of stimulated Raman scattering was 5—10% of the intensity of the fundamental radiation. The efficiency of the frequency

Card 2/3

L 8323-66

ACC NR: AP5026099

2

Table 1.

	P_1	P_2	P_4	θ_0^*	Interaction employed
Fourth harmonic generation	150 MW/cm ²	-	5 MW/cm ²	77°	$\gamma_0(2\omega) + \gamma_0(2\omega) \rightarrow \gamma_0(4\omega)$
Third harmonic generation	150 MW/cm ²	8 MW/cm ²	-	49°	$\gamma_0(\omega) + \gamma_0(2\omega) \rightarrow \gamma_0(3\omega)$
				58°	$\gamma_0(\omega) + \gamma_0(2\omega) \rightarrow \gamma_0(3\omega)$

* θ_0 is the angle between the optical axis and the index matching direction for the interactions listed in the last column.

doubling P_2/P_1 was about 30—35% and that of the P_4/P_2 , 10%. Some of the important results are summarized in Table 1. Orig. art. has: 1 figure and 1 table. [CS]

SUB CODE: 20/ SUBM DATE: 08Jul65/ ORIG REF: 004/ OTH REF: 004/ ATD PRESS: 4/49

PC

Card 3/3

L 7690-66 EWA(k)/FBD/EWT(1)/EEC(k)-2/T/EWP(k)/EWA(m)-2/EWA(h) SCTR/LJP(1) WJ
 ACC NR: AP5027987 SOURCE CODE: UR/0386/65/002/007/0300/0305

AUTHOR: ^{44.55} Akhmanov, S. A.; ^{44.55} Kovrigin, A. I.; ^{44.55} Piskarskaya, A. S.; ^{44.55} Fadeyev, V. V.; ^{44.55} Khokhlov, R. V.

ORG: ^{44.55} Physics Faculty of the Moscow State University (Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta)

TITLE: Observation of parametric amplification in the optical range

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. (Prilozheniye), v. 2, no. 7, 1965, 300-305

TOPIC TAGS: parametric amplifier, laser, ^{25.44} laser amplifier, ^{21.44.55} optical pumping

ABSTRACT: The authors report the results of an experiment in which they observed parametric amplification of an optical signal with wavelength $\lambda_s = 1.06 \mu$ by its second harmonic at $\lambda_p = 0.53 \mu$. The feasibility of such an effect in the optical band and its theory were detailed earlier (ZhETF v. 43, 351, 1962). The experimental setup is shown in Fig. 1. A beam from a neodymium-glass laser was fed into a KDP frequency modulator producing the second harmonic (KDP-I crystal $l = 3$ cm long), and served simultaneously as the signal beam. At the output of the frequency modulator, the power ratio of the second harmonic (P_2) to the radiation at the fundamental frequency (P_1) was $P_2/P_1 = 0.2-0.3$. After passing through the filter system F_1 , this ratio became equal to $P_2/P_1 = 10^4-10^5$. Thus, the second, amplifying KDP crystal was

Card 1/3

L 7690-66

ACC NO. AP5027987

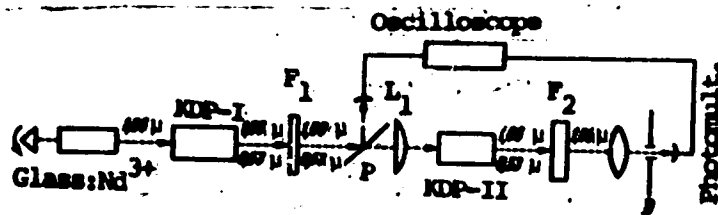


Fig. 1. Block diagram of experimental setup; F_1 - filter, F_2 - infrared filter, D - diaphragm, L_1 - cylindrical lens, P - plane-parallel plate.

fed a weak signal beam ($\lambda_s = 1.06 \mu$) and a powerful pump wave ($\lambda_p = 0.53 \mu$). The pump was focused on crystal KDP-II ($l = 3 \text{ cm}$) with the aid of a cylindrical lens L_1 (focal distance 13 cm) so that the pump power density in the second crystal reached $S_2 = 100 \text{ MW/cm}^2$. A two-channel photoelectric circuit or photographic film was used to register the change in the signal intensity in the KDP-II crystal. The curves show that appreciable parametric amplification takes place only in a relatively narrow angle between the amplified signal and the index matching direction, $Q = 10'$. The maximum gain corresponded to the index matching direction, but fluctuated from flash to flash; the average experimental gain was ≈ 2.5 , compared with a theoretical value of 14. The appreciable fluctuations of the parametric amplification from pulse to pulse and the small average gain (compared with the theoretical) may be due to singularities of the parametric interaction in the degenerate mode. The authors deem the gain attained by them sufficient for the realization of a parametric light

Card 2/3

L 7690-66

ACC NR: AP5027987

3

generator in which continuous tuning of the frequency of coherent optical oscillations is possible. The authors are grateful to V. G. Dmitriyev for useful discussions. Orig. art. has: 2 figures and 2 formulas. *44, 53* [02]

SUB CODE: OP, EC/ SUBM DATE: 23Jul65/ ORIG REF: 002/ OTH REF: 004/ ATD PRESS:

4143

Card

3/3

PISKARSKAS, S. A.

PISKARSKAS, S. A.: "The selection of a better type of sugar beet for the soil and meteorological conditions of the central lowlands of the Lithuanian SSR." Lithuanian Agricultural Academy. Kaunas, 1956. (Dissertation for the Degree of Candidate in Agricultural Science.)

So: Knizhnaya letovis', no. 37, 1956. Moscow.

L 01793-67 T JK

ACC NR: AF6035146

(A)

SOURCE CODE: PO/0081/65/019/002/0181/0182

PISARSKI, Zygmunt and PRUSZYNSKI, Romuald; Clinic of Infectious Diseases
of Medical Academy (Klinika Chorob Zakaznych AM), Gdansk

17
B

"Important Data Regarding the Prevention of Rabies."

Warsaw, Przegląd Epidemiologiczny, Vol 19, No 2, pp 181-182.

Abstract: Report of 8-year-old patient bitten by a rabid fox in 1963;
inoculation with anti-rabies vaccine was started 6 days after the bite when the
diagnosis of the fox was confirmed; despite the full 4-ml vaccine series
given over 20 days, rabies appeared in the patient 6 days after the last
dose, with death 5 days later. Discussion of experiences in Iran and United
States and of complex prevention and treatment of rabies. Presented at the
3rd Scientific Assembly of Polish Epidemiologists and Infectologists, Krakow,
5-6 Oct 64. [JPRS]

TOPIC TAGS: rabies, vaccine, preventive medicine

SUB CODE: 06 / SUEM DATE: none

Cord 1/1 *HH*

0921 1536

PISKARZ Adam

Treatment of open fractures of the long bones of the extremities.
Chir. nars. ruchu 20 no.1:13-23 1955.

1. Z I Kliniki Chirurgicznej A.M. w Poznaniu. Kierownik: prof.
dr St. Nowicki.

(EXTREMITIES, fractures,
ther.)

(FRACTURES,
extremities, ther.)

KOPP, M.F., dotsent, kand.tekhn.nauk; MARKOVICH, A. Ya., mladshiy nauchnyy
sotrudnik; FISKER, M.N.

Modernization of the equipment of rotary automatic telephone
exchanges. Vest. svyazi 21 no.4:10-13 Ap '61. (MIRA 14:6)

1. Odesskiy elektrotekhnicheskii institut svyazi. 2. Vedushiy
inzhener Odesskogo elektrotekhnicheskogo instituta svyazi. For
Fisker .

(Telephone, Automatic)

PISKERNIK, Milan, prof.

Development of Slovenian moorlands and forests from the
ecologic point of view. Nova proizvodnja no.2:112-130 My '63.

PISKERNIK, Milan, prof.

Development of the Slovenian bogs and forests in the light of
ecology. Nova proizv. št. no. 3 43209-225 S 1963.

SHVANOV, V.N.; PISKIZHOV, I.H.

Measuring the shape of sand grains under the microscope. Vestnik
15 no 24:195-198 '61. (MIRA 1-612
(Measuring instruments)

PISKIZHOVA, I.M.

Scientific session devoted to the 22d Congress of the
Communist Party of the Soviet Union. Vest.LGU 18 no.6:
151-152 '63. (MIRA 16:4)
(Geology)

PISKLICH, V.D., inzh.; KRYZHANOVSKIY, A.L.; KUZNETSOV, M.P.; BORTUNOV, Ye.M.;
BURKHAN, G.N.

Repair of iron mill rolls by automatic build-up welding. Svar. proizv.
no.2:28-31 F '61. (MIRA 14:1)

1. Zhdanovskiy metallurgicheskiy institut (for Pisklich). 2. Dnepro-
dzerzhinskiy metallurgicheskiy zavod im. F.E. Dzerzhinskogo (for
Kryzhanovskiy, Kuznetsov, Bortunov, Burkhan).
(Rolls (Iron mills)—Maintenance and repair)
(Electric welding)

FISKLICH, V.D.; RUDOMETRIN, P.P.

Industrial and Technological Conference on the Reconditioning of
Worn Parts by Built-up Welding. Avtom.svar 15 no 3:96 My '62.
(MIRA 15:4)

(Welding--Congresses)

PISKLICH, V. D.

More widespread use of the hard facing of equipment parts.
Metallurg 7 no.11:26-29 11 '62. (MIRA 15:10)

1. Kramatorskiy Nauchno-issledovatel'skiy i proyektno-tekhnologicheskiy institut mashinostroyeniya.

(Hard facing)

BAGRYANSKIY, K.V., kand.tekhn.nauk; PISKLICH, V.D., inzh.

Evaluating the stabilizing effect of fluxes for automatic welding
and hard facing. Svar. proizvod. no.8:22-25 Ag '62. (MIRA 15:1)

1. Zhdanovskiy metallurgicheskiy institut.
(Flux (Metallurgy)--Testing)

1976
A. A. A.

AUTHORS: Iisklich, V. D., Engineer, P'yz'n v. A. I., Portunov, Ye. I., Portunov, Ye. I.

TITLE: "Conditioning of ... by ... building"

REPORT: ... 8-1

TEXT: The selection of ... for the building-up ... only possible if various ... at the same plant using the same ... will ... At the Metal ... Plant ... made in ... of results obtained by building-up ... steel ... welding wire under ceramic flux. The tests were made with the participation of workers of the Plant, including G. I. ... V. I. Istyshev, I. F. Navizy, N. ... Nazarova. The following technology of building-up the ... was employed: pre-heating of the ... at the spot to be built-up to ... by an electric ... temperature control was made with thermopencil composed of ... and ... Building-up was performed under conditions given in Table 1. The sequence of building-up was selected according to the ... of the



Card 1/5

Reconditioning of Rollers by Automatic Building-Up

3.10/11/17/18/19/20/21
Avt/Avt

grooves to the built-up by taking into account the inclined position of the roller (Figure 3) during the building-up process temperature of the surfaces was maintained at about 28-40°C. The rollers were then cooled in a thermostat for about 1-2 hours down to 15-20°C. The built-up rollers were subjected to mechanical processing. The chemical composition of the built-up metal was determined (Table 1); wear resistance of the rollers was compared with that of rollers which had not been built-up (Table 2). As a result of the investigations performed it was found that automatic arc building-up of steel rollers under ceramic fluxes was one of the most and best available methods for reconditioning the rollers. The use of ceramic fluxes combined with Uv-8 wire, produces built-up metal of high wear resistance. The ceramic fluxes can successfully replace the scarce and expensive high-alloy electrode wires and assure considerable economical advantages. The comparison of two variants of building-up showed the advantage of using ceramic fluxes; building-up with such fluxes is recommended for large-scale production, which is however impeded by the lack of this material produced on a large scale.



Card 2/4

Reconditioning of Rolls by Automatic Building-Up

S/135/61/000/002/007/012
A006/A001

Table 1

Condition parameters of building-up rolls						
Wire grade	30XГСА (30KHGSA)	60XГ (60KHG)	X20H10Г6 (KH20N10G6)	ЭИ701 (EI701)	СВ-08 (SV-08)	СВ-08 (SV-08)
Flux type	АН-348 (AN-348)	АН-348 (AN-348)	АН-20 (AN-20)	АН-20 (AN-20)	ЭС-320/т (Zhs-320/t)	ЭС-450/т (Zhs-450/t)
Wire diameter in mm	3.5	5	5	3.5	5	5
Current in amps	370-390	700-800	550-600	370-390	550-600	550-600
Arc voltage in v	32-36	36-38	30-32	30-34	28-30	28-30
Wire feed rate in mm/hr	109	56	56	109	37	37
Roll revolution speed in rpm	0.43	0.57	0.57	0.43	0.31 (0.43)	0.31(0.43)

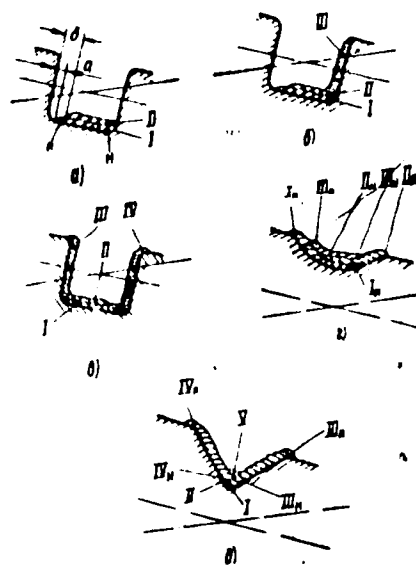
Card 3/5

Reconditioning of Rolls by Automatic Building-Up

S/135/61/000/002/007/012
A006/A001

Figure 2
Schematic drawing of building-up grooves: I_n , II_n etc. are first, second etc. initial beads of built-up metal layers; I_k , II_k etc. are first, etc., final beads, of built-up metal layers.

Figure 2:



and 4/5

Reconditioning of Balls by Automatic Building-Up;

S/135/61/000/002/001/01
AG.6/AGG1

Table 2

Chemical composition of base, filler and built-up metal

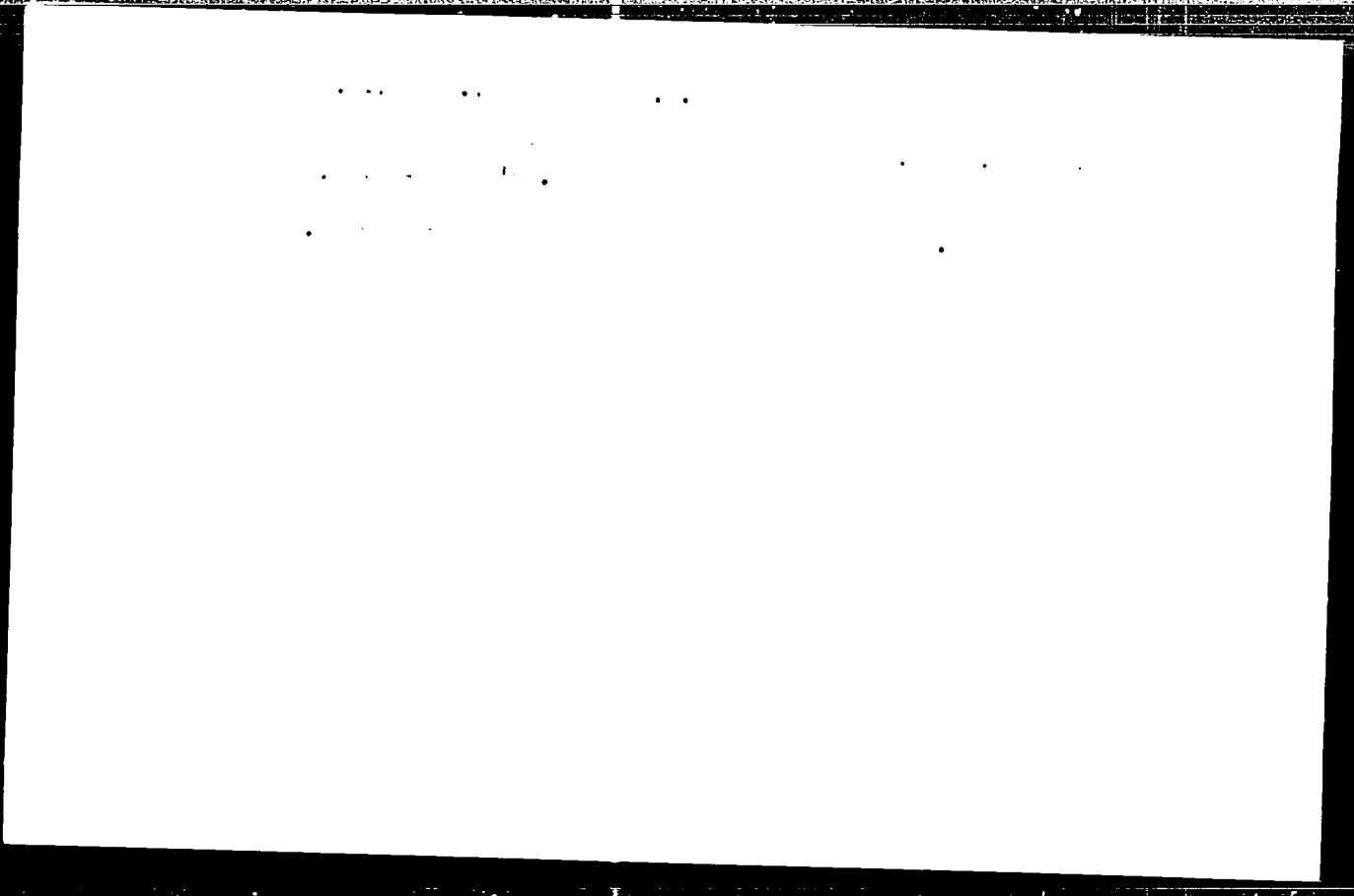
Metal Investigated	Material	Chemical composition						
		C	Cr	Mn	Si	Ti	S	P
Bead	55	0.55	0.20	0.60	0.30	-	0.03	0.015
Electrode	-08(Sv-08)	0.09	0.06	0.44	Traces	-	0.05	0.016
Metal built-up under ceramic fluxes	Zh6-320/t	0.28	2.33	2.44	1.50	0.39	0.020	0.025
		0.28	2.20	2.20	1.44	0.34	0.018	0.026
		0.28	2.17	2.30	1.46	0.38	0.020	0.022
	Zh8-450/t	0.73	10.65	3.2	1.44	0.54	0.030	0.010
		0.83	10.65	3.34	1.60	0.56	0.038	0.011
		0.72	10.09	3.08	1.71	0.56	0.023	0.024



There are 4 tables, 5 figures and 4 Soviet references.

ASSOCIATIONS: Zhdanovskiy metallurgicheskii Institut (Zhdanov Metallurgical Institute (Pisklich); Dneprodzerzhinskiy metallurgicheskii zavod imeni F. E. Dzerzhinskogo (Dneprodzerzhinsk Metallurgical Plant imeni F. E. Dzerzhinskiy) (Kryzhanovskiy, Kuznetsov, Bortunov, Burkhan)

Card 5/5



PISKO, Eduard, inz., C.Sc. (Bratislava 9, Dubravska cesta 5)

Multi-channel photoelectric adapter for flame spectroscopy.
Chem zvesti 16 no.10:762-768 0 '62.

1. Ceskoslovenska akademie ved, Ustav anorganickej chemie
Slovenskej akademie vied, Bratislava.

L 17513-63

BWT(1)/BWP(q)/BDS AFFTC/ASD/ESD-3 JD

ACCESSION NR: AP3001794

2/0043/63/000/005/0285/0293

AUTHOR: Pisko, E. (Science Candidate)

TITLE: Study of the formation of spectra of powdered materials in electrodes of the falling powder type (II). Use of time resolved spectra for the clarification of the mechanism of the introduction of the sample into the electric discharge

SOURCE: Chemické zvesti, no. 5, 1963, 285-293

TOPIC TAGS: powder material spectrum, powder ionisation, speed of vaporization, discharge electrode

ABSTRACT: The author describes an electronically regulated generator that allows photographing of spectra that are resolved in time. Using copper electrodes of the falling powder type, photographs were taken of resolved spectra from various discharge zones in the axial direction (alternating arc of an alternating current). It was found that in the zone next to the electrode,

Card 1/2

L 17513-63

ACCESSION NR: AP300179*

the concentration of the studied material in the plasma, was greater in the first pole period than in the second. The time picture of the lines of Cu, which forms the electrodes, is identical in both periods. The powder of the studied substances seems to fall mainly in the first pole period. Because the powder falls down towards the second electrode it is evaporated during the fall by the electric discharge and is changed into the ionized state. Under the conditions of the experiment the powder was vaporized before it fall on the opposite electrode, as is shown by the time curve of the intensity in the first pole period in the zone next to the electrode. Orig. art. has: 6 figures.

ASSOCIATION: CSAV, Ustav anorganickej chemie Slovenskej akademie vied, Bratislava (Czechoslovak Academy of Sciences, Institute of Inorganic Chemistry of the Slovak Academy of Sciences).

SUBMITTED: 06Feb63

DATE ACQ: 25Jun63

ENCL: 00

SUB CODE: PH

NO REF SOV: 003

OTHER: 009

Card 2/2

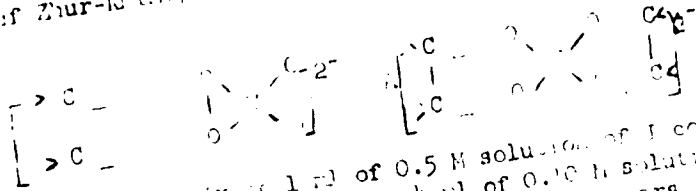
PISKO, E

Chem ✓ The condensation of molybdate ions. E. Pisko and M. Liska (Chem. Zvest. Sloven. Akad. Vied. Bratislava, Czech.) Chem. Zvest. 10, 418-20 (1966) (German summary). It is shown by interferometric measurements that the titration of Na_2MoO_4 with HClO_4 , H_2SO_4 , HNO_3 , or HCl there is a sharp break if the ratio is 2 Mo: 3 H⁺. This indicates the formation of a metamolybdate ion. Other Mo isopolyanions do not show up on the interferometric curves. A similar break is observed with Na_2CrO_4 and dichromate formation if the ratio is 1 Cr: 1 H⁺. Jan Miska

Jan Miska

СМЕСЬ ОСЛОЖНИТЕЛЬНЫХ веществ. Analysis of ...
Substances.

... Журнал Жур-13 том 1959, 31110.



(A and B) In mixing 1 ml of 0.5 M solution of I containing phenolphthalein with 4 ml of 0.10 M solution of Na tartrate (II) an intense red color appears in 5 minutes. The following behave similarly: 0.010 M solution of fructose (III) and of 0.002 M solutions of dulcitol (IV) and of sorbitol (V). 0.5 M solutions of glucose (VI) and of glycerine (VII). 0.05 M solutions of IV and V produce pink coloration. 0.001 M solution of VI and VII. 0.015 M solution of II, 0.002 M

Card : 2/3

... ..
... ..

... ..

... ..
... ..
... ..
... ..

... : 3/3

117

PICK, E.

[Faint, illegible text]

[Faint, illegible text]

Page 5.

SECRETARY OF THE ARMY

Periodical: ARMY JOURNAL, Vol. 11, no. 11, 1957, p. 1.

1958, no. 70. International colloquium on the subject of the 1959.

Monthly list of East European Accessions (Eurasian, Vol. 1, no. 1, March, 1957, p. 1).

1957, B.

Effect of some salts on the optical activity of tartaric acid. *Journal of Physical Chemistry*, vol. 61, no. 2, February 1957, p. 414-416.

See Monthly List of East European Accessions, *Library of Congress*, 1957, p. 10.

PIS'KO, G.T.

Therapeutic properties of the wild sorrel root in hypertension.
Vrach. delo no.1:93 Ja '57 (MLRA 10:4)

1. Kafedra fakul'tetskoy terapii (zav.-prof. N.B. Shchupak) i
farmakologii (zav.-prof. S.P. Zakrividoroga) Chernovitskogo medi-
tainskogo instituta.
(HYPERTENSION) (RUMEX)

PIS'KO, G.T.

Pharmacology of *Rumex confertus* root. *Farm. i toks.* 22 no.6:532
N-D '59. (MIRA 13:5)

1. Kafedra farmakologii (sav.- prof. S.P. Zakrividoroga) Chernovitskogo meditsinskogo instituta.
(PLANTS MEDICINAL pharmacol.)

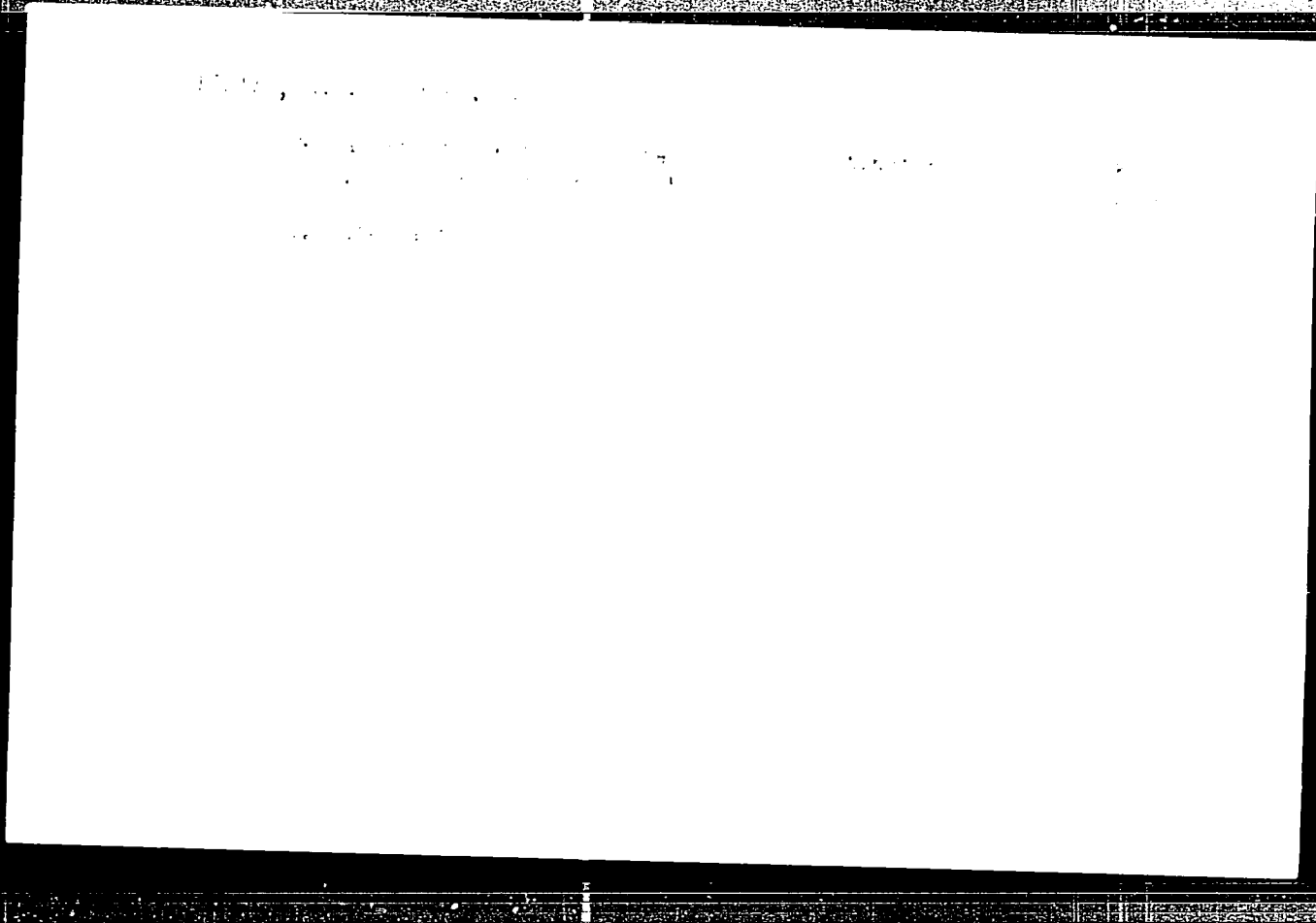
پیشینه دارو
PIS'KO, G. T. Cand Med Sci -- (diss) "For the pharmacology of *Rumex confertus*."
Chernovtsy, 1959. 14 pp (Min of Health UkSSR. Chernovtsy State Med Inst),
200 copies (KL, 47-50, 117)

PIS'KO, G. T., kand. med. nauk

Pharmacology and clinical use of some hypotensive preparations.
Vrach. delo no. 3:29-32 Mr '62. (MIRA 15:7)

1. Kafedra farmakologii (sav. - prof. S. P. Zakrividoroga)
Chernovitskogo meditsinskogo instituta.

(SALSOLINE) (SALSOLIDINE)



USSR / Pharmacology, Toxicology, Cardiovascular Agents

11-0

Abs Jour : Referat Zhur- Biol., No 1, 1958, No 3511

Author : Pis'ko, G. I.

Inst : Not given

Title : Therapeutic Characteristics in Hypertension of the Root
of Wild Sorrel

Orig Pub : Vrachebn. delo, 1957, No 1, 93-94

Abstract : 40 hypertensive patients in various stages of their
disease were treated with the root of wild sorrel. 20-
40 drops of a 10% tincture of the root were administered
t.i.d. In 50% of the patients the arterial pressure re-
turned to normal, in the rest the maximal decrease was 30-65
mm of Hg and the minimal was 15-40 mm of Hg. One patient
developed urticaria which disappeared following an intravenous

Card 1/2

USSR / Pharmacology, Toxicology, Cardiovascular Agents

Abs Jour : Referat Zh.-biol., No 1, 1956, No 3:11

Abstract : injection of 10 ml of a 1% solution of calcium chloride; administration of K was not discontinued. In some patients K had a diuretic effect.

Card 2/2

PIS'KO, G.T., kand.med.nauk; REVENSKAYA, Ye.Yu.

Pharmacology and clinical use of some hypotensive preparations.
Vrach. delo no.6:146 Je '61. (MIRA 15:1)

1. Kafedra farmakologii (zaveduyushchiy - prof. S.P.Zakrivodoroga)
Chernovitskogo meditsinskogo instituta.
(THEOBROMINE) (PAPAVERINE)

KOLPAKOV, A.A.; PIS'KO, G.T. (Chernovtsy)

"New medicinal substances of vegetable origin" by G.E. Batrak, E.V. Popova, I.T. Furs. Reviewed by A.A. Kolpakov, G.T. Pis'ko. Vrach. delo no.5:148 My '61. (MIRA 12:9)

(BOTANY, MEDICAL) (BATRAK, G.E.) (POPOVA, E.V.)
(FURS, I.T.)

PISKOMIN, MIKHAIL IVANOVICH

N/5
771.211
.P6

Zakon o sel'skokhozyaystvennom naloge (Law on the agricultural tax)
Moskva, Gos. Izd-vo Yuridicheskoy Literatury, 1955.
66 p. (Populyarnaya yuridicheskaya literatura)
At head of title: Akademiya Nauk SSSR. Institut Prava.

PISKOPPEL, F.

Different aims and different policy ("Soviet economic aid" [in
English] by Joseph S. Berliner. Reviewed by F. Piskoppel).
Vnesh. torg 30 no. 5:41-43 '60. (MIRA 13:5)
(Technical assistance)
(Berliner, Joseph, S.)

KOLDOBSKIY, A.G.; MEDVEDEV, S.I.; PISKOPPEL', F.G.; YAKOBSON, M.G. (Prinimali uchastiye: BERKHIN, I.B.; OSLIKOVSKAYA, Ye.S.; PEREKISLOVA, A.M.; LITVIN, V.M.; PARKHOMENKO, Ye.V.; STOTIK, A.M.; SHAPIRO, T.I.; STRUMILIN, S.G., akad., glav. red.; ALEKSEENKO, G.V., red.; ANISIMOV, N.I., red.; VOLODARSKIY, L.M., red.; GERSHBERG, S.R., redaktor; red.; PETROV, A.I., red.; POSVYANSKIY, S.S., red.; HAZAROVA, G.V., kand. ekonom. nauk, starshiy nauchnyy red.; KISEL'MAN, S.M., starshiy nauchnyy red.; LIVANSKAYA, F.V., kand. ekonom. nauk, starshiy nauchnyy red.; GLAGOLEV, V.S., nauchnyy red.; NEDBAYEV, V.I., nauchnyy red.; TUMANOVA, N.L., nauchnyy red.; TOVMASYAN, M.E., red.; BLAGODARSKAYA, Ye.V., mladshiy red.; SHUSTROVA, V.M., mladshiy red.; ZENTSEL'SKAYA, Ch.A., tekhn. red.)

[The economic life of the U.S.S.R.; chronicle of events and facts, 1917-1959] Ekonomicheskaya zhizn' SSSR; khronika sobytii i faktov 1917-1959. Glav. red. S.G.Strumilin. Chleny red. kollegii: Alekseenko i dr. Moskva, Gos. nauchn.izd-vo "Sovetskaya entsiklopediya," 1961. 779 p. (MIRA 14:10)

1. Tsentral'naya nauchnaya sel'skokhozyaystvennaya biblioteka Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. Lenina (for Litvin, Parkhomenko, STOTIK, Shapiro). (Russia—Economic conditions)

ADDITIONAL INFORMATION IS AVAILABLE IN THE

ADDITIONAL INFORMATION IS AVAILABLE IN THE

ADDITIONAL INFORMATION IS AVAILABLE IN THE

... of A. B. ...

... of A. B. ...

SUSLIN, Boris Nikolaevich (SUSLIN), P.D., prof., ed.

The economic and trade relations of African countries, East-
Africa and the Horn of Africa with the USSR. Moscow, Vneshe-
shnyy, 1984. 170 p. (BIRA 17:0)

POTAPOV, I.S.; FINGENC V, V.P.; SALODKIN, R.G.; KAPELINSKIY, Yu.N.;
MENZHINSKIY, Ye.A.; SEROVA, L.V.; POKROVSKIY, A.N.;
PEVZNER, Ya.A.; LEBEDEV, B.I.; VLADIMIRSKIY, L.K.;
MATYUKHIN, I.S.; ROGOV, V.V.; PISKOPPEL', F.G., d_ktor ekon.
nauk, prof., red.; SHELENSKAYA, v.A., red.izd-va; ZINCHENKO,
V.S., red.izd-va; PAVLOVSKIY, A.A., tekhn. red.

[Foreign trade of capitalist countries] Vneshniaia torgovlia
kapitalisticheskikh stran. [By] I.S.Potapov i dr. Moskva,
Vneshtorgizdat, 1963. 456 p. (MIRA 16:9)
(Commerce)

PISKOPPEL', Ferdinand Gansovich; RUDCHENKO, A.M., red.; ROMANOVA, N.I.,
tekh.red.

[Principles of the study of business conditions of capitalist
economy] Osnovy izucheniia kon'iunktury kapitalisticheskogo
khoziaistva. Moskva, Izd-vo IMO, 1960. 291 p.

(MIRA 14:3)

(Economic conditions)

Z/006/6C/000/014/001/001
D005/D1C2

AUTHOR: Piskoř, Štěpán

TITLE: For science, industry and medicine. Our first cyclotron was put into operation recently. The most widely used accelerator

PERIODICAL: Technické noviny, no. 14, 1960, 6

TEXT: The article describes the cyclotron principle and gives general information on the first Czechoslovak cyclotron. The cyclotron was provided by the USSR and installed at the Ústav jaderného výzkumu Československé akademie věd (Nuclear Research Institute, Czechoslovak Academy of Sciences) in Řež near Prague. Its electromagnet weighs about 120 tons and the r.f. generator has an output of 120 kW and operates on wave lengths ranging from 18 to 36 m. The total output of diffusion pumps on the flange of the accelerating chamber is 3,000 liters per second. The cyclotron can accelerate alpha particles to a maximum energy of 25 MeV and deuterons to 12.5 MeV. The main protective concrete walls are 2.5 m thick. There

Card 1/2

For science, industry and medicine.. Z/006/6C/000/C14/001/OC1
DO05/D1C2

are 3 figures.

ASSOCIATION: Ústav jaderného výzkumu ČSAV, cyclotron, Řež (Cyclo-
tron, Nuclear Research Institute, Czechoslovak AS.
Řež ✓

Card 2/2

AUTHOR:

Piskor, S.

CZ/38-60-1-17/24

TITLE:

New Methods for the Acceleration of Ions

PERIODICAL

Jaderná Energie, 1960, No. 1, pp. 28-30

TEXT

The author emphasizes that the intensive study of the structure of the nucleus energy, nuclear reactions caused by secondary particles, and the constantly growing requirements regarding the accuracy of experimental results demand improved accelerators. He explains several types in detail and analyzed a number of methods that may be applied for the acceleration of ions. The question is being raised, how to obtain greater energies from accelerated particles with already existing cyclotrons. The author suggests that this may be accomplished by using wide variations of radially increasing intensity of the magnetic field, i.e., radially traveling waves of the magnetic field. There are 2 diagrams, 1 table, and 13 references, 9 of which are Soviet and 4 American.



Card 1/1

PISKORZ, A.

A study on the regular continuity of an integral in regard
to the transversal derivative relative to a parabolic system.
Annales Pol math 15 no. 3, 287-301, 1967.

1. Institute of Mathematics, 01-647 Al. Sienkowskiego, 00-648,
WARSAW.

PIKORREK, A. (Warszawa)

Derivation of an integral of a parabolic equation of a non-linear
type. (Russian) *Tr. no. 13-28*, 1963.

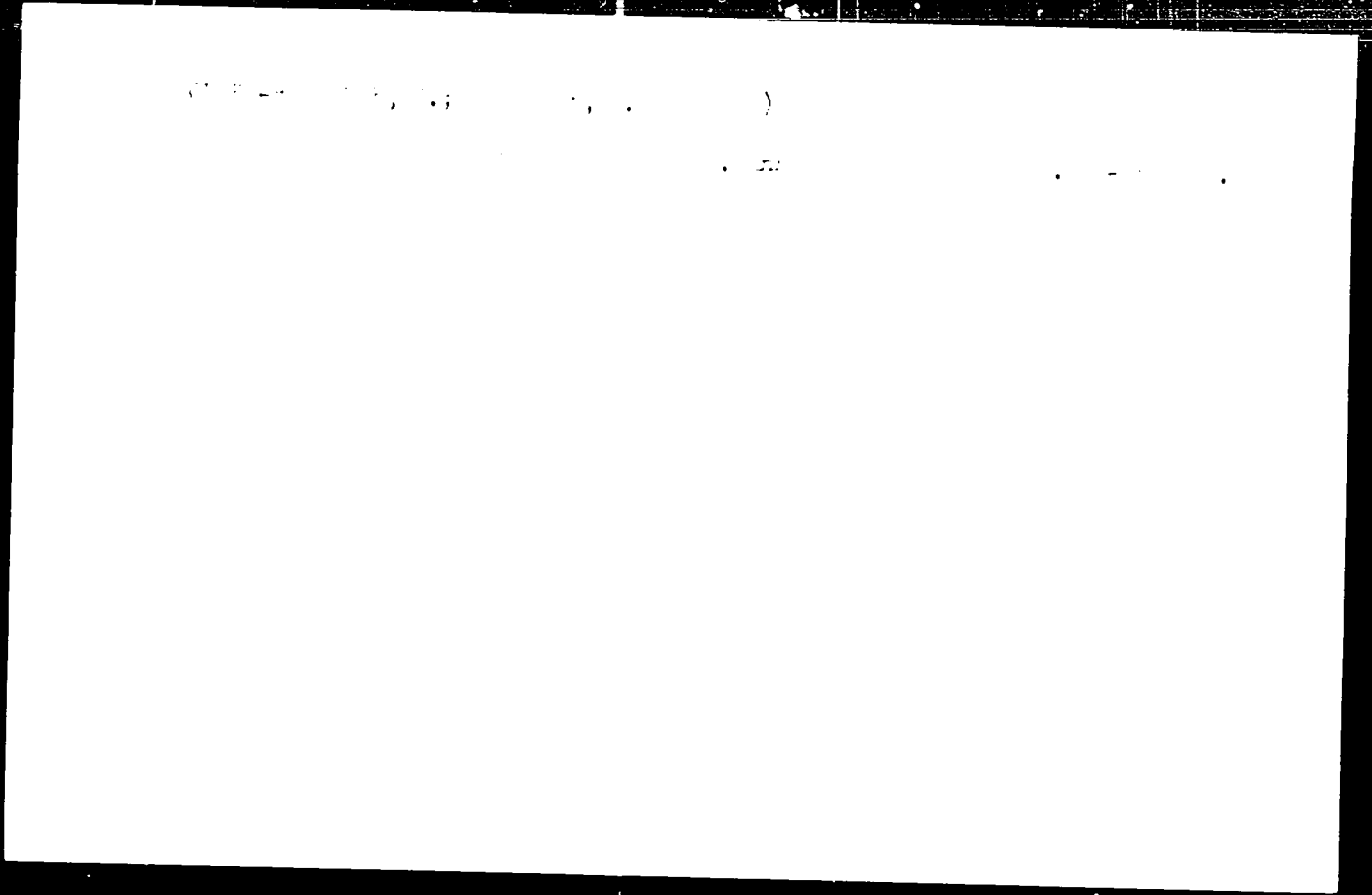
PISKOREK, A. (Warszawa)

Properties of the integrals of the parabolic equation in a
noncylindric domain. Annales Pol math 12 no.3:301-317 '63.

PISKOREK, A. (Warszawa)

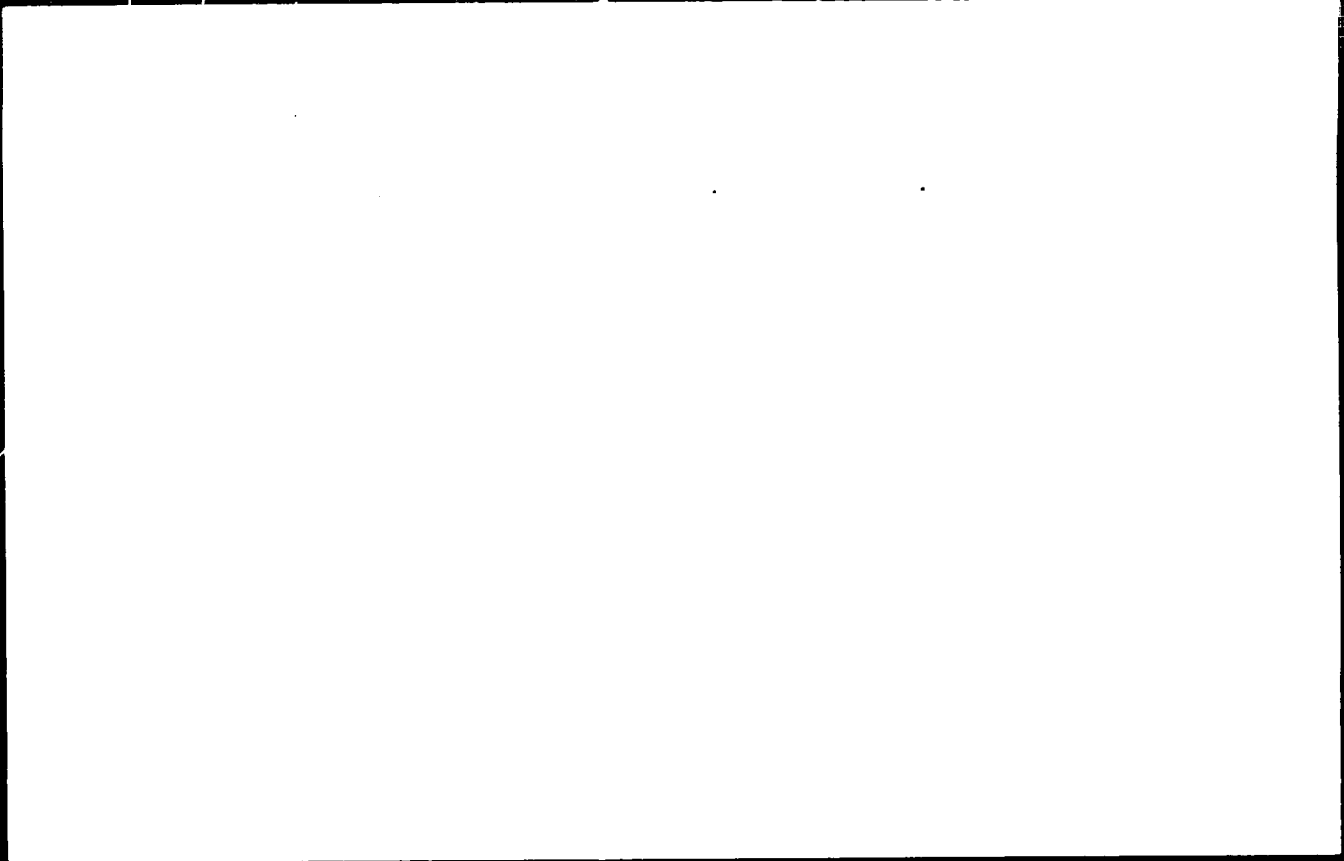
Properties of an integral of the parabolic equation in the
nonylindrical domain. Annales pol math 8 no.2:125-137 '60.
(EEAI 10:1)

(Integrals) (Differential equations)
(Parabola)



"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001341



APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013411

PISKOREK, Romuald

1. New possibilities of forming National and Foreign ...
 2. ...
 3. ...
 4. ...
 5. ...
 6. ...
 7. ...

1959

VI

PISKOREK, Romuald, inz.; STANISZEWSKI, Boguslaw, mgr., inz.

Determination of the grade of steel by spark testing. Techn lotr. 17
no.2:38-43 P '62.

PIŠKOPIC, O.

PIŠKOPIC, O. Douglas firs in the karst. p. 140.

Vol. 7, no. 7/8, July/Aug. 1955

OSTRIŠKI

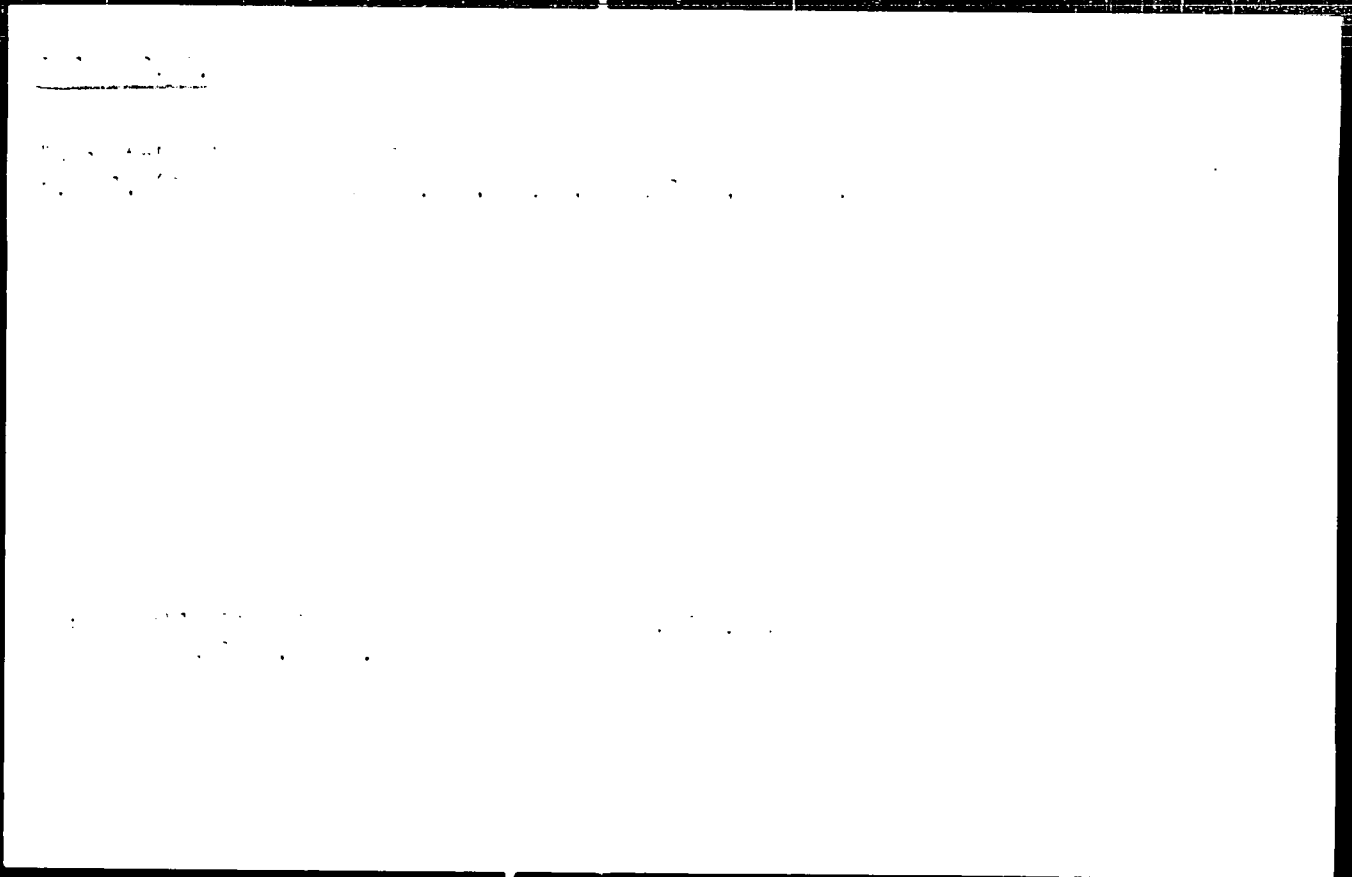
Zagreb, Yugoslavia

Co: Internat. Geobot. Soc. vol. 5 No. 4 April 1956

BIROGIC, V.

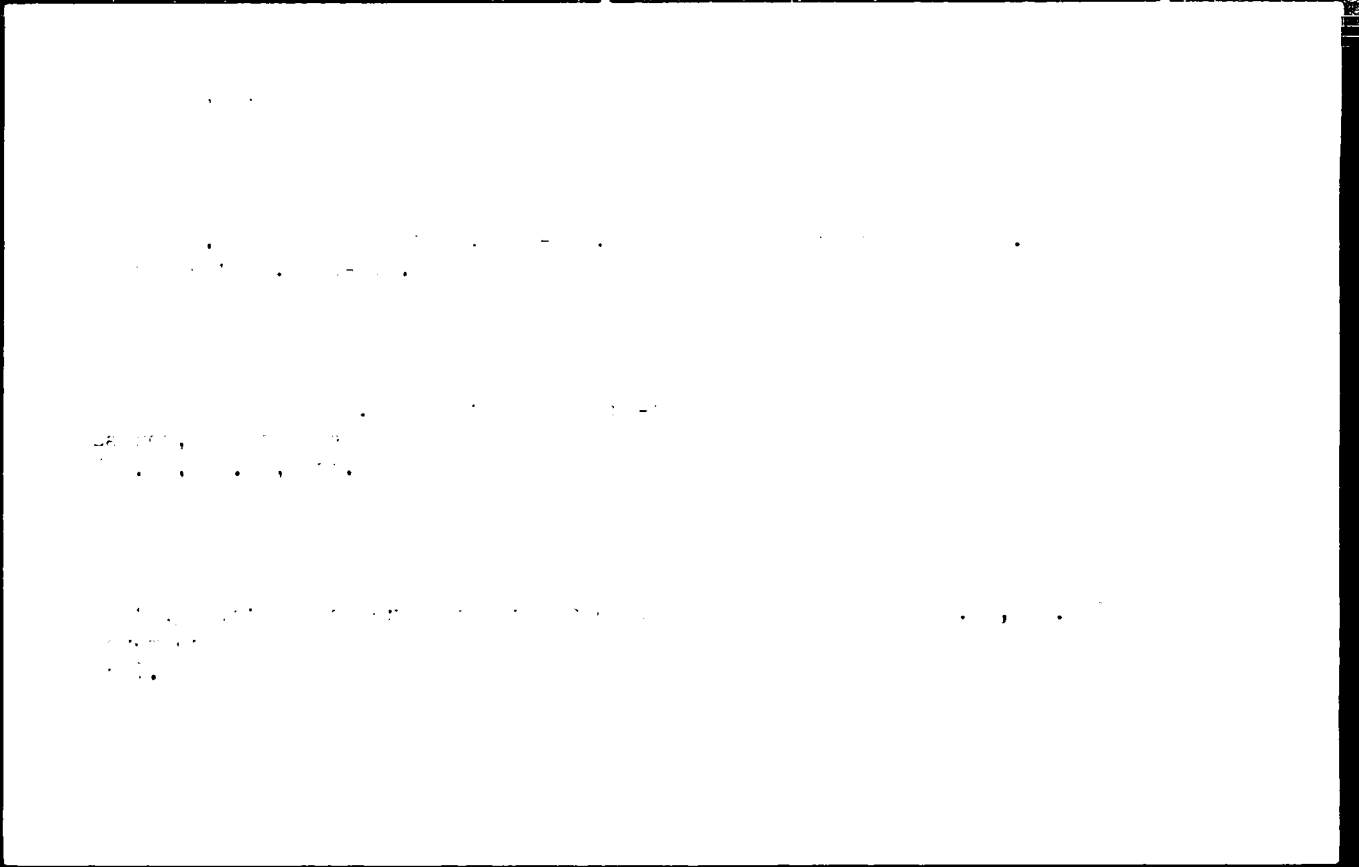
Conditions for the culture of eucalyptus in Yugoslavia. p.111
(GLASNIK, Vol. 10, No. 3/4, Mar./Apr. 1-5)

51: Monthly List of East European Accessions (ZEM, IC Vol. 6, No. 12, Dec. 1948)
Uncl.



PIKORS'KA, O. K.

The petrography of volcanic rocks of the Uzhgorod-Khust
B. Ig. O. K. Pikors'ka. *Geol. Zhur., Akad. Nauk Ukr.*
S.S.R. *Tr. Geol. Minn. 13, no. 4, 79-80 (1953)* (in
Ukrainian); *Refer. Zhur., Geol., Geograf. 1954, No. 5651.*
The rocks are hypersthene andesites, anesite-dacites, and
tuffs. Chem. analyses are given. D. J. Milton



YUGOSLAVIA

K.

YUGOSLAVIA/F... General

Abs Jour : Ref Jour Pt 1, 1, 21, 1, 2, 1961

Author : J. G. W. D. P. K. ...

Title : Influence of the Cold Winter Period (1960/61) on the
Real Heat Balance and its Revision.

Orig Ref : Yugoslav. Inst. 1961 31 8 11 12, 13 61

Abstract : A number of papers to present were received from the
the Institute (Split, Croatia) which reported the results
of January to the middle of February and last of the
the winter. It is stated that frost is present
absolute temperature was characteristic (-32).
Remains of firnialis were completely destroyed
D. ... willer, spectabilis ...
... equidifera, P. ...
... and ... were partially destroyed.

Case 112

PISKORSEAYA, O.K. [Piskorskaya, O.K.]; BOLTASOVA, G.O. [Boltasova, H.O.]

Diabase from the vicinity of Annopol' in Volyn' Province.
Geol. zhur. 19 no.2:59-65 '59. (MIRA 12:7)
(Volyn' Province--Diabase)

PISKORS'KA, O. V.

"Petrography of Volcanized Rocks of the Uzhhorod-Khustskiy Range"
Geologichnyi Zh., Vol 13, No 1, 1963, pp. 10-12 (Ukrainian)

The author adds to data of earlier investigators of effusive rocks of the Uzhhorod-Khustskiy range. The following types are mentioned: hybridic andesites, andesite-dacites, and tufa. (IZhGeol, No. 1, 1964)

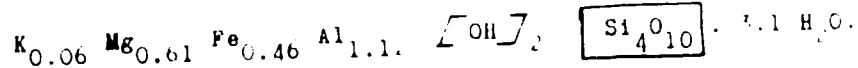
SO: W-31187, 8 Mar 65

11-1-18/76

AUTHOR: Piskorskaya, Ye.K. (Ukrainian spelling: Piskors'ka O.K.)
 TITLE: On Palygorskite from Vicinity of Korosten' (O palygorskite iz okrestnostey Korostenya)
 PERIODICAL: Dopovidi Akademii Nauk Ukrain's'koi RSR, 1958, # 1, pp. 72-80 (USSR)

ABSTRACT: Palygorskite is a mineral of the erosional crust which occurs among carbonate rocks. Palygorskite found in the vicinity of Korosten' forms scales on the crack planes in granite, which consist of grey-brown, 0.1 mm long, filaments.
 Its optical properties are as follows: the value of α varies from -40° to -46° ; the character of elongation is positive; the extinction is direct, the mean refraction index is 1.537.
 Its specific gravity is 2.52.
 Thermal analysis has established 3 endothermic effects at the temperatures of 130° , 280° and 540°C , and one exothermic effect at 930°C . The following crystallochemical formula for palygorskite has been obtained:

Card 1/2



On Palygorskite From Vicinity of Korosten'

21-1-18 6

The article contains 3 tables, 2 graphs, 7 Russian and 1 Ukrainian references.

ASSOCIATION: Institute of Geological Sciences (Instytut geologicheskikh nauk AN URSR) of the Ukrainian Academy of Sciences

PRESENTED: By Academician of the Ukrainian Academy of Sciences N.F. Semenko (Ukrainian spelling: M.F.)

SUBMITTED: 22 March 1957.

AVAILABLE: Library of Congress

Card 2/2 1. Geology 2. Palygorskite-Optical properties

PISKORSKAYA, Ye.K. [Piskors'ka, O.K.]

~~Palygorskite~~ Palygorskite from the environs of Korosten' [with summary in French].
Dop. AN URSR no.1:76-80 '88. (MIRA 11:6)

1. Institut geologichnikh nauk AN URSR. Predstavleno akademikom
AN USSR N.P. Semenenko.
(Korosten'--Palygorskite)

PERTKIEWICZ, Marian; PISKORSKA, Zofia

Railroad accidents with reference to multiple fractures and injuries of the locomotor system. Chir. narzad. ruchu ortop. pol. 28 no.4 395-399 '63.

1. Z Centralnego Zarzadu Sluzby Zdrowia Min. Komunikacji
Z Oddzialu Urazowego Szpitala PKP w Warszawie Dyrektor CZSZ
i ordynator oddzialu: dr M. Pertkiewicz.
(ACCIDENTS, INDUSTRIAL) (RAILROADS)
(STATISTICS) (FRACTURES) (ARM INJURIES)
(LED INJURIES)

DUBINSKA, Alina; PISKORSKA, Zofia

Primary and metastatic bone tumors. Chir. narzad. ruchu
ortop. pol. 28 no.2:209-218 '63.

1. z Kliniki Chirurgii Urazowo-Ortopedycznej SDL AM w Warszawie
Kierownik: prof. dr S. Lukasik z Oddzialu Urazowego Szpitala
PKP w Warszawie Konsultant: prof. dr S. Lukasik.
(BONE NEOPLASMS) (NEOPLASM METASTASIS)

L 43606-65 EPF(o)/EPR/EWP(j)/EWT(m)/T/EWP(v) Pc-4/Pr-4/Ps-4 RM/WW
F/0035/64/000/024/0709/0711

30
28
B

ACCESSION NR: AP5002363

AUTHOR: Piskorski, B. (Master Engineer)

TITLE: Design recommendations for glued joints replacing forced-in joints

SOURCE: Przegląd mechaniczny, no. 24, 1964, 709-711

TOPIC TAGS: glued joint design, metal joining, adhesive resin, overlap joint, forced-in joint, ring type joint

ABSTRACT: The paper comments briefly on the optimal thickness of an adhesive when joining metals, and the disadvantages of a too thick or too thin layer of adhesive are pointed out. Some results of tests on glued joints made at the Stocznia "Parnica" ("Parnica" Shipyard) are shown in a table. For gluing, the Epidian 100 resin cured at 105C for 2 hours was used. The conditions for obtaining a strong glued joint and the effect of the type of adhesive on joint strength are discussed. All the tested joints showed greater strength than forced-in joints used for comparison. De Bruyne's formula for the design of plane overlap glued joints is then discussed. Fundamental relations obtained as a result of tests on glued joints made at the "Parnica" Shipyard and concerning the design of ring-type joints are discussed. In order to increase the strength of a glued ring-type joint, it is recommended to machine a number of grooves in one of the

L 43606-65

2

ACCESSION NR: AP5002363

elements, as shown in Fig. 1 of the Enclosure. The results of testing such a joint and a similar joint without the grooves are tabulated and show a 10-40% increase in strength. To increase the strength of glued ring-type joints for torque, it is recommended to make such grooves in: a) of the elements in the axial direction. The greater strength for shear is shown by Epillean 100 resin cured at 185C for 2 hours; a table shows comparative measurements for the strength of Epillean 100 resin and some other resins and compositions. Orig. art. has: 3 figures, 4 tables and 1 formula.

ASSOCIATION: Stocznia Remontowa "Parnica," Szczecin (Overhaul Shipyard
"Parnica")

SUBMITTED: 00

ENCL: 01

SUB CODE: MT, IE

NO REF SOV: 000

OTHER: 007

Card 2/3

PISAORSKI, ...

...

PILOUCHI, Boguslaw, mgr inz.

Modern methods of joining metal parts. Przegł techn 85 no.
14: 2, 5 Apr 1964.

PISKORSKI, Boguslaw, mgr. inz.

Designing instructions for given parts replacing present
fits. Przejmowanie i montaż części zamiennych.

.. Chief Engineer, Kamica Repair Shop, Złotów.

RATOMSKI, Roman; PISKORŃKI, Edzislaw; GLOWIEKA, Danuta

Effect of "osspulvit" on the content of calcium and phosphorus
in the blood serum during the treatment of delayed bone union
and false joints. Chir. narzad. ruchu ortop. pol. 28 no.1:
45-50 '63.

1. Z Kliniki Ortopedycznej AM w Poznaniu Kierownik: prof. dr
W. Dega

(FRACTURES, UNUNITED) (PSEUDARTHROSIS)
(CALCIUM) (PHOSPHORUS) (ORGANOTHERAPY)
(BONE AND BONES) (BLOOD)