ORLOWSKI, Witold J.

200 cataract operations with neuroplegic premedication. Klin. oczna 31 no.2:169-183 '61.

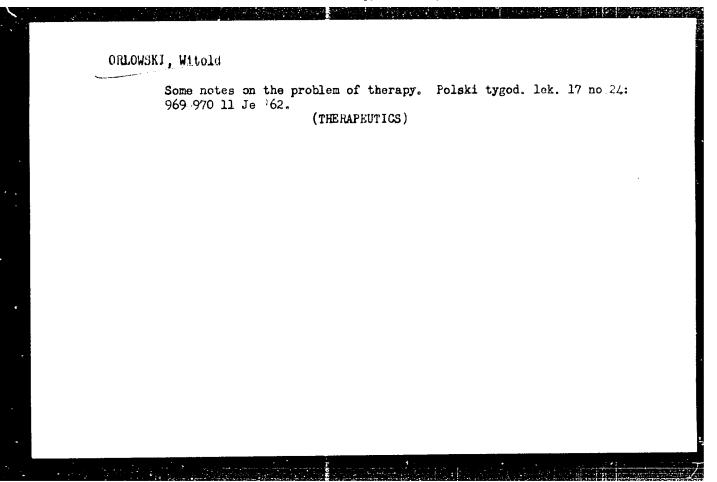
1. Z oddzialu chorob oczu 1 W.S.O. Ordynator: dr med. W.J.Crlowski. (CATARACT EXTRACTION anesth & analg)
(HIBERNATION ARTIFICIAL)

ORLOWSKI, Witold J.

Cataract expulsion in the condition of enzymatic zomulysis. Klin. oczna 31 no.3:215-227 '61.

1. Z oddzialu chorob oczu Ordynator: Doc. dr med. W.J.Orlowski. (CATARACT EXTRACTION) (CHYMOTRYPINS)

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238



ACTUAL DESCRIPTION OF THE SECRETARIES.

ORLOWSKI, Witold J.

External dacryocystorhinostomy under general hypotension. Klin. oczna 32 no.1:13-24 '62.

1. Z Oddzialu Chorob Oczu Ordynator: doc. dr med.W.J.Orlowski.
(LACRIMAL AFPARATUS surg) (HYPOTENSION CONTROLLED)

ORLOWSKI, Witcld J.; WOJTOWICZ, Stanislaw

The outcome of paralysis of the oculomotor system in the electromyographic picture. Klin. oczna 32 no.4:313-326 '62.

1. Z Oddzialu Chorob Oczu w Warszawie.Ordynator: doc. dr med. W.J. Orlowski.

(OCULOMOTOR PARALYSIS)

(ELECTROMYOGRAPHY)

POLAND

ORLOWSKI, Witold J., ZWIERZCHOWSKI, Ryszard, & id STEPNIAK, Roman; Division of Ophthalmology (Oddział Okulistyczny) (Ordynator: Docent, Dr. med. W. J. ORLOWSKI), Division of Laryngology (Oddział Laryngologiczny) (Ordynator: Dr. R. ZWIERZCHOWSKI), and Division of Dermatology (Oddział Dermatologiczny) (Ordynator: Dr. M. ZAJFEN) [Institution not given] in Warsaw

"Asher Syndrome. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 22, 27 May 63, pp 795-797

Abstract: [Authors' English summary] Authors describe a case (28th in world literature and 2nd in Poland) of Asher syndrome with blepharochalasis of the Fuchs type, double lip, and struma without any signs of Basedov's disease. They are of the opinion that surgical treatment of the lip may be effective if performed after puberty, but that surgical treatment of the eyelids may be only of transient cosmetic effect because of the progressive atrophy of the skin. There are 25 references, one Polish, 9 German, and 15 Western.

10

WOJTOWICZ, Stanislaw; ORLCWSKI, Witold.J.

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The principle of electromyography of the external muscles of the eye. Pol. tyg. lek. 18 no.47:1775-1779 18 Nº63.

1. 2 Oddziału Chorob Oczu w Warszawie; kierownik: doc.dr. med. Witold J.Orlowski.



ORLOWSKI, Witold J.; WOJTOWICZ, Stanislaw

Electromyography in clinical ophthalmology. Pol. tyg.lek. 18 48:1789-1794 25 N*63

1. Z Oddzialu Chorob Oczu w Warszawie; ordynator: doc.dr.med. Witold J.Orlowski).

7

ORLOWSKI, Witold J.; WOJTOWICZ, Stanislaw

The problem of the symptoms of internuclear ophthalmoplegia. Notes on a case examined with electromyography. Klin. ecana 33 no.1:36-48 '63.

1. Z oddzialu chorob oczu w Warszawie Ordynator: doc. dr med. W.J. Orlowski. (OCULOMOTOR PARALYSIS) (ELECTROMYOGRAPHY)

CIA-RDP86-00513R001238

APPROVED FOR RELEASE: Wednesday, June 21, 2000

ORLOWSKI, Witold J.; WOJTOWICZ, Stanislaw

Electromyographic studies in paralysis of the oculomotor nerve. Klin. oczna 33 no.2:147-166 '63.

SELECTION OF THE PROPERTY OF T

1. Z Oddzialu Chorob Oczu w Warszawie Ordynator: doc, dr med. W.J. Orlowski.

(OCULOMOTOR PARALYSIS) (ELECTROMYOGRAPHY)

ORLOWSKI, Witold J.

Marcus Gmm's synkinesis. Klin. oczna 34 no.1:47-55 *64

1. Z Oddzialu Chorob Oczu w Warszawie: ordynator: doc.dr. med. W.J.Orlowski.

X

ORLOWSKI, Witold J.; ZWIERZCHOWSKI, Ryszard; STEPNIAK, Roman

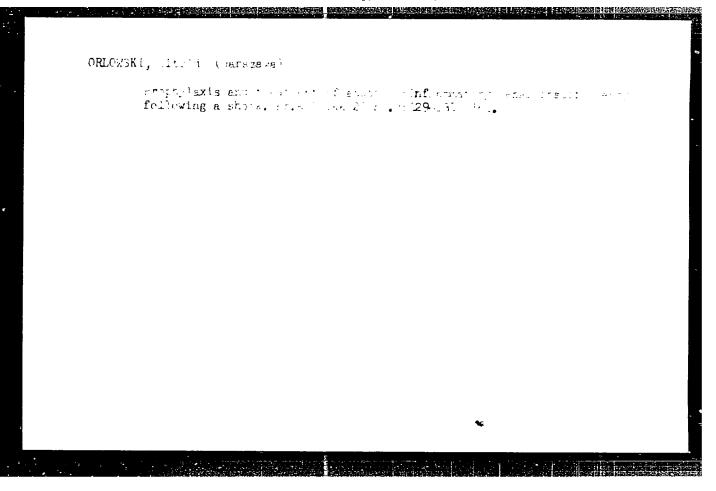
A case of Ascher's syndrome. Pol. tyg. lek. 18 no.22:795-797 27 My 163.

是是1000年的 1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年,1000年

1. Z Oddzialu Okulistycznego; ordynator: doc. dr med. W.J. Orlowski, z Oddzialu Laryngologicznego; ordynator: dr R. Zwierzchowski i z Oddzialu Dermatologicznego w Warszawie; ordynator: dr M. Zajfen.

(EYELIDS) (GOITER) (LIPS) (DISEASES)

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238



"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

ORLOWSKI, Witold J.

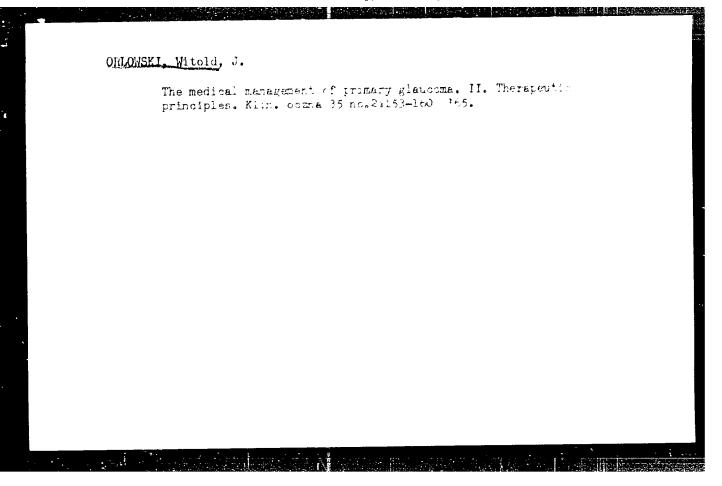
Conservative therapy of primary glaucoma. I. Pharmacology of glaucoma. Klin. oczna 34 no. 3:341-361 '64.

1. Farmakologia Jaskry.

PIATKOWSKA, Barbara; GWOZDZ, Eugeniusz; ORLOWSKI, Witold, J., doc. dr. med.

Modern methods of treatment in herpetic keratitis. I. Methods of idoxuridine application in the light of experimental studies. Klin. oczna 35 no.1:1-6 *65.

1. Z Oddzialu Chorob Oczu WSO w Warszawie (Ordynator: doc. dr. med. W.J. Orlowski).



Anemia in workers of dye industry and therapy in the health-resort

Dussniki-Zdroj. Med.pracy 5 no.6:407-413 1954.

1. Z Osrodka klini menego w Dussnikach-Zdroju II kliniki chorob
wewnetrznych A.M. w ieodzi; dyr. prof. dr J.Jakuboweki.

(ANEMIA
occup. in dye indust. workers, ther., mineral waters of
Dussniki-Zdroj)
(OCCUPATIONAL DISEASES
anemia in workers of dye indust., ther., mineral waters of
Dussniki-Zdroj)
(MIMERAL WATERS, ther. use
anemia, occup. in workers of dye indust.)

MONSIORSKI, Jerzy: ORLOWSKI, Zbigniew

Hormonal therapy of a case of female genital cancer of multiple metastases. Polski tygod. lek. 11 no.17:746-748 23 Apr 56.

1. Z Zakladu Poloznictwa i Ginekologii Bydogoskiego Oddaialu Inst. Doskonalenia i Specj. Kadr Lekarskich przy. Szpitalu Wojewodzkim A. Jurasza w Bydogoszcy; kier. Zakladu: dr. med. Jerzy Monsiorski, Bydgoszcz, ul. Dworcowa 22. (UTERUS, neoplasms.

ther., androgens with nitrogen mustard in case with multiple metastases (Pol))

(ANDROGENS, therapeuticuse,

cancer of uterus with multiple metastases, with nitrogen mustards (Pol))

(MITROGEN MUSTARDS, therapeutic use, cancer of uterus with multiple metastases, with androgens (Pol))

ORLOWSKI, Z.

<u> Particulari dan Partisan Sanas Partikan Partikan Partikan Partikan Partikan Partikan Partikan Partikan Partik</u>

Cardiac rhythm in myocardial infarction and its prognostic value. Kardiol. pol. 5 no.4:305-321 '62.

1. Z II Kliniki Chorob Wewnetrznych AM w Lodzi-Kierownik: prof. dr J. Jakubowski.

(MYOCARDIAL INFARCT) (ARRTHYTHMIA)

ORLOWSKI, Zbigniew; KRYKOWSKI, Edward; KRAUZE-JAWORSKA, Helena

The gamma globulin level in the blood serum and some immunological manifestations in patients with chronic lymphatic leukemia. Pol. med. wewnet. 32 no.7:697-700 '62.

1. Z II Kliniki Chorob Wewnetrznych AM w Lodzi Kierownik: prof. dr med. J. Jakubowski. (LEUKEMIA LYMPHOCYTIC) (SERUM GLOBULIN)

ration of the second contraction of the second second second second second second second second second second

ORLOZOROV, S.

Green light to automation. NTO no.9:9-10 3 '59. (MIRA 13:1)

1. Predsedatel' soveta pervichnoy organizatsii Nauchno-tekhnicheskogo obshchestva na Uralvagonzavode. (Sverdlovsk--Automation)

Using low-nickel and nickel-free steel for heavily loaded tractor gears. Metalloved. i term. obr. met. no.11:26-27 N '65. (MIFA 18:12)

1. Khar'kovskiy traktornyy zavod.

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238

2/032/61/011/009/009/009 E073/E535

AUTHOR:

Orlt, R.

TITLE:

Fatigue limit of dural type aluminium alloys as a function of the surface treatment

PERIODICAL: Strojírenství, 1961, Vol.11, No.9, p.713

The fatigue strength values of rods from various heats of dural type aluminium alloys (ČSN 42 4201) and superdural type alloys (ČSN 42 4205) were determined. The test durations were up to 10° cycles; the difference between the results of the tests was much greater than anticipated, particularly in the case of rough machined surfaces. In the case of parts which are subjected to alternating stresses, the use of dural is preferable to that of superdural.

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1961, Prague: SVÚMT Z-60 951.

[Abstractor's Note: Complete translation]

Card 1/1

DAVYDOY, A.; KUNYAYSKIY, M.; MALEVICH, L.; PROSHLIAKOV, V.P.: Prinimali uchastiye: SHAPPO, A.F.; CHERVIAKOV, P. Ys.; OFT. YANCHIK, M.P. starshiy inzh.; REVUTSKIY, F.A., starshiy pochvoved; GUSEL'BIKOVA, O.I., inzh.; GORN, Ye.R., tekhnik; MORKOVINA, T.N., tekhnik. BOWDARENKO, M., red.; BAKHTIYAROV, A., tekhn.red.

> [General plan for organizing the territory of the Golodneya Steppe] General'naia akhema organizataii territorii Golodnoi atepi. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1958. 189 p. (MIRA 14:3)

(Golodnaya Steppe--Agriculture)

ORLYANKIN, N. M. TIMCHENKO, A.I., inzhener; ORLYANKIN, N.M., laureat Stalinekoy premii; BOGDANOV, B.N., nauchnyy redaktor. [Brick walls with facing panels hung over an intervening air space] Kirpichnye steny s plitami na otnose. Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953. 33 p. (MERA 7:3) (Walls)

SKRAMTAYEV, B.G., professor; SHISHKIN, A.A., kandidat tekhnicheskikh nauk;

OHLYANKIN, N.M., inzhener; BUDILOV, A.A., inzhener.

Use of coarsely porous concrete for building walls under winter conditions.

Stroi.prom. vol. 31 no.9:20-21 S '53. (MLRA 6:9)

(Concrete construction--Cold weather conditions)

SKRAMTAYEV, B.G., professor, laureat Stalinskoy premii; POPOV, M.S., laureat Stalinskoy premii; CMNOPLEV, F.M., laureat Stalinskoy premii; KONOPLEV, F.M., laureat Stalinskoy premii. Activation of coment by preliminary wet grinding in concrete mixers. Rats.i izobr.predl.v stroi. no.55:12-13 '53. (MIRA 7:3) (Coment) (Mixing machinery)

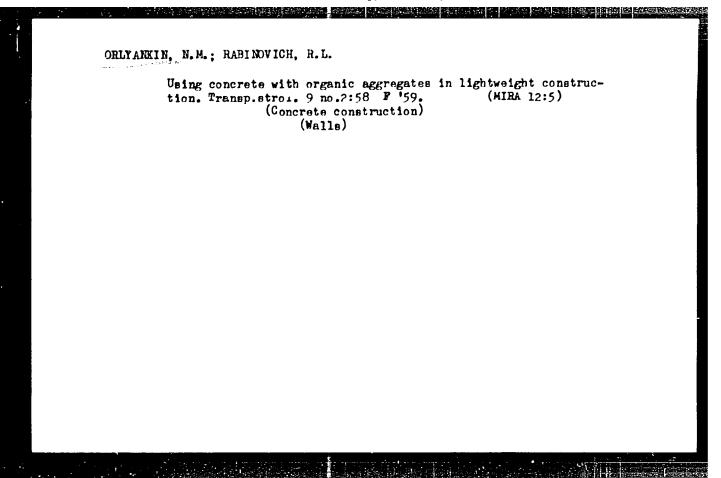
ORLYANKIN, N.M.; KARDO-SYSOYEV, P.N., inzh., nauchnnyy red.; ZHLENYAEVA, N.N., red., izd-va; STEPANOVA, B.S., tekhn. red.

[Lightweight walls according to the system of N.S. Popov, N.M. Orliankin and R.N. Popova] Oblegchennye steny sistem N.S. Popova, N.M. Orliankina i R.N. Popovoi. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1958. 93 p. (MIRE 11:7)

ORLYANKIN, N.M., inzh.; RABIHOVICH, R.L., inzh.

Using the M11-200 machine tool in making large lightweight brick blocks. Transp. stroi. 8 no.3:9-10 Mr '58. (MIRA 11:4)

(Brickmaking machinery)



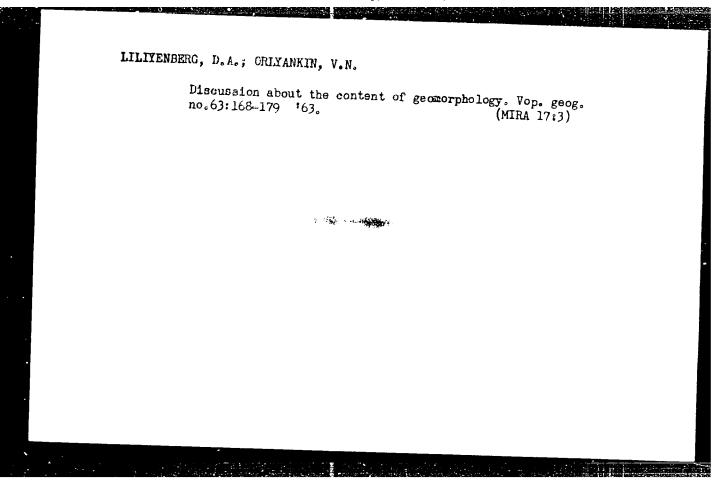


Interpretation of aerial photographs when studying placer deposits.

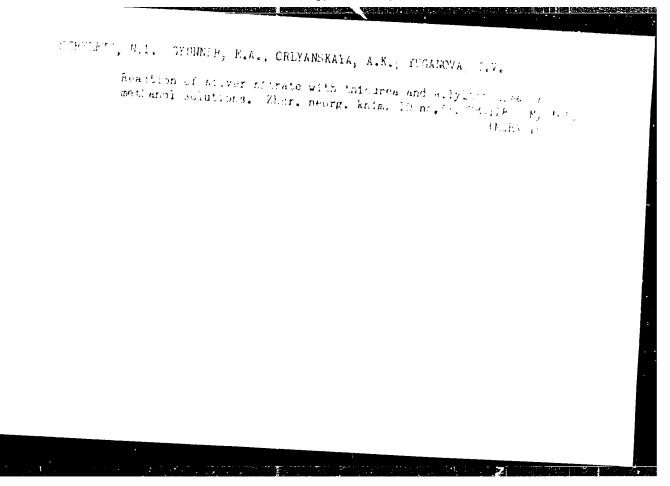
Trudy VAGT no.8:150-154 '62. (MIRA 15:11
(Siberian Platform--Placer deposits) (Aerial photogrammetry)



Determination of the thickness of fluvial alluvium by aerial photographs of fans in meandering rivers. Vop. geog. no.63: 112-125 '63. (MIRA 17:3)



"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238



STRUCTION No.L., ORGANIZATE, A.N.

Refrectionetric study of the formation of zinc cobalt who mickel oraletes, whom heres, whom 10 most limited 46. (A.E. 18.1)

1. Krymskiy pedagogianeskiy institute imeni frunco. Superited Sept. 23, 1901.

ACCESSION NR: AT4042722

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AUTHOR: Yarmonenko, S. P.; Kurlyandskaya, E. B.; Avrunina, G. A.; Gaydova, Ye.S.; Govorun, R. D.; Orlyanskaya, R. L.; Paly*ga, G. F.; Ponomareva, V. L.; Fedorova, V. I.; Shmakova, N. L.

TITLE: Reactions to radiation an chemical protection of animals subjected to the effects of high-energy protons

SOURCE: Konferentsiya po aviatsionnoy i kosmicheskoy meditsine, 1963. Aviatsionnaya i kosmicheskaya meditsina (Aviation and space medicine); materialy* konferentsii. Moscow, 1963, 510-514

TOPIC TAGS: corpuscular radiation, high energy proton, synchrocyclotron, gamma ray, radiation effect, radioprotective agent, RBE

ABSTRACT: Experiments were performed to determine the immediate and the delayed effects of high-energy protons and their RBE on animal organisms. High-energy protons of 660 Mev were generated on a syncrocyclotron. Comparative tests using gamma rays from a Co60 source were used in establishing the RBE. Nonpure strain mice and rats were used, in addition to mice of the BALB and C-57Bl strains.

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All materials were subjected to statistical analysis. In comparative experiments performed on rate subjected to a dose of 500 rad, the degree of injury to hemopoietic organs by protons was considerably less than injury caused by gamma radiation. The depression of hemopolesis in the bone marrow and the spleens of animals irradiated by protons was less profound and less prolonged, and regenerative processes began earlier than in injuries produced by produced by gamma rays. This difference of effect was particularly clear in the dynamics of the peripheral blood. After exposure to gamma irradiation, a profound and prolonged anemia developed, accompanied by a loss of 44% of the erythrocytes and 51% of the hemoglobin. An equivalent dose of protons caused only insignificant lowering of these indices. Similar effects were observed in the white blood corpuscles, particularly in respect to neutrophiles. The results obtained confirm that the condition of peripheral blood does not reflect the true depth of radiation damage to hemopolesis. In experiments with white mice, a study was made of early destructive changes in the brain marrow, the dynamics of mitotic activity, and the kinetics of cells with chromosomal injuries. Exposure to protons induced typical radiation degeneration of cells of the bone marrow, a slowing down of mitotic activity, and injuries to the chromosomes. A strong linear relationship of injury-to-dose was

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ACCESSION NR: AT4042722

observed in all three indices within the 250--1000 rad range. Exposure to equivalent doses of gamma rays produced more pronounced changes, indicating that the REE of protons is equivalent to 0.5--0.7. Preliminary administration of radioprotective agents -- AET (S, f -aminocthylisothioronium), MEA (mercaptoethylamine), and 5-MOT(5-methoxytryptamine) -- diminished the number of degenerating and aberrant cells in the bone marrow a ; oportion to the effect of the indicated drugs on survival. The most effective appeared to be a combination of MEA and 5-MOT. whose use assured the survival of 50% of the mice when irradiated by doses of 1900 rad. If irradiation is fractionated, the protective effect of the drugs is reduced sharply, or it disappears altogether. In experiments on male mice of the BALB strain subjected to doses of 500 and 700 rad, reversible changes were observed in the weight of testicles. The change of weight and its subsequent recovery was due to the death and the subsequent regeneration of germ cells. Protons have a typical sterilizing effect on the genitalia, but their RBE, in comparison with gamma rays, lies between 0.6 and 0.7. The use of antiradiation drugo did not provent the sterilizing action of protons, but it caused a somewhat smaller loss of weight of the testicles and produced a shorter period of sterility. White male mice which had been protected by AET, MEA, 5-MOT, and cystamine from the effects of proton doses of 1300--1600 rad recovered their generative functions

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ACCESSION NR: AT4042722

almost completely four to seven months after irradiation. The development of the first generation of 290 mice obtained by crossing the protected and irradiated males with intact females took place without visible somatic injuries. The relative effectiveness of protons and gamma rays in causing somatic mutations was studied on livers of white rats who were subjected to doses of 150 rad. Regeneration of the liver was induced by removing the large left and the front right lobes of the liver. The operation was performed 24 hours after irradiation. The animals were killed 30 hours after the operation, i. e., during the first wave of the increase of mitotic activity. Control animals had 6.9% of aberrant cells, while after irradiation by protons and gamma rays, the number of aberrant cells was 20% and 29%, respectively. This indicates that the RBE of protons in respect to somatic mutations is around 0.7. New data were obtained on the blastomogenic effect of protons. Out of 85 irradiated rats, tumors were found in 39. Twentyrive of them had multiple tumors in various locations. In experiments on nonpure strain white mice, it was possible to show that antiradiation drugs, while increasing the ratio resistance of the animals, do not prevent subsequent development of new growth. Out of 65 irradiated mice who died at various periods after expraure to protons in doses from 1300 to 1500 rad (after having previously received antiradiation protection), fourteen had leucosis and four had sarcoma,

Cord 4/5 Siemmen: 27 Sept 63

ZAKHAROV, N.V.; ORLYANSKAYA, R.L.

Metabolism of phosphorus compounds and proteins in the brain of rats during excitation and confulsions produced by cordiamine. Vop. med. khim. 6 no.3:249-253 My-Je '60. (MIRA 14:3)

1. Moskovskiy oblastnoy nauchno-issledovatel skiy klinicheskiy 1. Moskovskiy odlastilo, institut imeni M.F.Vladimirskogo.
/MIKETHAMIDE) (BRAIN) (PHOSPHORUS METABOLISM)

(PROTEIN METABOLISM)

(CONVULSIONS)

L 3640-66 EVT(m)

ACCESSION NR: AP5025916

UR/0205/65/005/005/0656/0658

577.391;539.125.4

AUTHOR: Govorun, R. D.; Orlyanskaya, R. L.

37

TITLE: Change in the protein fractions of the blood plasma of rats irradiated with 660-Nev protons

SOURCE: Radiobiologiya, v. 5, no. 5, 1965, 656-658

TOPIC TAGS: radiation biologic effect, animal physiology, blood plasma, gamma globulin

ABSTRACT: The object of this work was to study the effect of the radiation dose and the length of time after irradiation on changes in the blood protein fractions of proton-irradiated animals. It was found that irradiation of rats with 660-Mev protons (doses 500, 800, 1000, and 1350 rad) causes significant changes in the amount of protein fractions in the blood. These changes are most clearly expressed in the first ten days after irradiation and have a phase character: maximum deviations occur on the 1st day and the 6th—10th days after irradiation. Normalization tendencies are observed on the 3rd day and after the 20th day. Differences between irradiated protein fractions and control samples were found to increase as the radia-

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ACCESSION NR: AP5025916

tion dose increased. The most characteristic changes in blood plasma, a considerable decrease in the albumin content and an increase in the amount of α - and β -globulins, were observed in the first ten days after irradiation with doses of 800—1350 rad. By the end of the 30-day observation period, complete restoration of blood protein fractions to initial levels was not observed. It is of interest that the types of changes are qualitatively identical during irradiation with both 660-Mev protons and other types of radiation. Orig. art. has: 2 tables.

ASSOCIATION: Institut gigiyeny truda i profzabolevaniy AMN SSSR, Moscow (Institute of Industrial Hygiene and Occupational Diseases, AMN SSSR)

SUBMITTED: 18Sep63

ENCL: 00

SUB CODE: IS

NO REF SOV: 007

OTHER: 007

ATD PRESS: 41/6

BYK. Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R001238

3.1720

(1. 141) 307,775 - 1,2₁ 1,51 1

AUTHORS:

Entange, L. A., Entange, J. K., Oplyanskiy, A. D.

TITLE:

Observations of Meteors with Rutar With Two Reservers of Different Sensitivity

PERIODICAL:

Astronomic heaking manager, 1900, Vol. 37, No. 1, Mg 115-115 (USSR)

ABSTRACT:

7. R. Kaider not write the relation between the numbers of otherwest mesons and the parameters of two radian transmitters of liferent consistivity. Uning this pointion, the authors serive the expression for meteors, the said many materiaes the structure of a meteor, the said

$$S = 1 - \frac{2 \frac{\log \left(\frac{N_1}{N_2}\right)}{\log \left(\frac{P_1}{P_2}\left(\frac{P_1}{P_2}\right)^{\frac{N_1}{N_2}}\right)}$$
(3)

Card 1/5

Here, N is coursy number of meteors; P, peak intensity

Observations of Meteors With Ranae With Two Receivers of Different Sensitivity 75016 SOV/53-37-1-16/2.

of radar signal; λ , wavelength; ϵ , threshold intensity of the all indices I and 2 refer to the two transmitters. The standard radar transmitter of the Institute of Acolied Geophysics of the Academy of Sciences, USDR, has a peak power of P=80 kw and uses the wavelength $\lambda=0.1$ m. It was modified by the latter two actions by adding another transmitter

such that $\left| \mathcal{E} \right| / \left| \mathcal{E} \right|_{1}$ = 4, and an attomment for

remistering the number of meteors photographically. With this equipment the stream of Quadranting a conobserved dar many (1. 1950), between the hours of them? (10 all fine). The quantity S dld not remain constant by resched a maximum value of 2.96 on January .; the authors expiraln it by increase in the number of small meteors. If to and to are the durations of the

radio echo of one and the same methor trall for the two radar transmitters, then it is possible to determine the original of Hiff wifor: $D = \frac{\lambda^{3}}{324 \Gamma^{2} (t_{2}-t_{3})} \ln \frac{\epsilon_{1}}{\epsilon_{1}}$

(6)

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APPROVED FOR RELEASE: Wednesday, June 21, 2000

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Obdermation. So Net 1. Approximation as a 2. Approximation of the authors that are a considered in observations and toefficients of the considered in observations and toefficients of Soldet 1. There are tables in the considered in the considered

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3.9000 (1041, 1109,1327)

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B032/E114

AUTHORS:

Korpusov, V.N., and Orlyanskiy, A.D.

TITLE:

Radar Observations of Lyrids in 1959

PERIODICAL: Astronomicheskiy tsirkulyar, 1960, No. 210, pp. 26-27

TEXT: The observations were carried out between 21st and 24th April 1959, near Moscow, using standard radar apparatus working on a wavelength of $\lambda = \pm .1$ m, pulse repetition frequency of 50 pps/sec and power per pulse of 80 kW. The aerial of the locator was a "wave channel" with a single reflector, a wave dipole and five The reflected pulses were recorded photographically, using two receivers. The ratio of the true receiver sensitivities was 9.3. The high sensitivity receiver recorded 384 meteors in 24.3 hours, while the lower sensitivity receiver recorded 78 meteors in the same time. Hourly rates Nh for the meteors are shown in the following table (the number of meteors is shown in brackets):

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S/034/60/000/210/001/002 E032/E114

Radar Observations of Lyrids in 1959

Date			Table 1	
N _h	21/IV	25/ IA	23/IV	24/IV
receiver I receiver II	21.0(101) 3.3 (16)	17.8(1 2 1) 4.1 (28)	12.9(99) 2.9(22)	12.6(63) 2.4(12)

According to the above table, the average value of the exponent S in the mass distribution of meteor bodies is 2.50. Table 2 gives the distribution of the meteors with range R. The range was determined by interpolation between the corresponding range markers on the film. The results are given in the form of fractions in which the numerators represent the number of observations and the denominators the average value of the range.

Card 2/4

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Radar Observations of Lyrids in 1959

Ta	þ	l	Ð	- 2

R, km	N/R av.	R	N/R av
100 & R < 150 150 < R < 200	17/125 52/175	400 ≤ R < 450 450 ≤ R < 500 500 ≤ R < 550	25/420 20/470 9/520
200 & R < 250 250 & R < 300	24/22 0 29/275	550 ≤ R < €00	4/570
300 6 B < 350 350 6 B < 400	51/330 45/370 *	800 < R < 850	2/825

Table 3 shows the distribution of durations of the radio echoes from meteor trails (numerators = number of observations, denominator = average duration).

Card 3/4

8/034/60/000/210/001/002 E032/E114

Radar Observations of Lyrids in 1959

Tsec		Table 3			
N Tav.	₹<0.2 0,2€	7<0.4 0.44 7 < 1.0	14 T < 5 56T < 10	7310	
21 April 22 " 23 " 24 "	82/0.10 11/ 71/0.09 18/ 53/0.10 16/ 39/0.10 13/	0 26 12/0.61 0 27 14/0.50	2/1.57 1/5.00 9/2.05 2/5.50 7/1.92 3/6.70 3/1.57 1/5.12	2/24.7	

The following persons took part in the observations: V.N. Korpusov, A.D. Orlyanskiy, G.N. Soloviyev, and B.F. Chernyayev.

ASSOCIATION: Institut prikladnoy geofizikt AN SSSR (Institute of Applied Geophysics, AS USSR)

SUBMITTED: August 30, 1959

Card 4/4

ACC NR: AP7003025

SOURCE CODE: UR/0203/66/006/004/0703/0706

AUTHOR: Aref'yeva, A. V.; Korpusov, V. H.; Lysenko, I. A.; Orlyanskiy, A. D.; Ryabchikov, A. N.; Shuvarikova, N. F.

ORG: Institute of Applied Geophysics (Institut prikladnoy geofiziki)

TITIE: Results of a study of the wind regime in the meteor zone by the radar method

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 4, 1966, 703-706

TOPIC TAGS: atmospheric wind, meteorologic radar, signal to noise ratio

ABSTRACT: The method and results are presented of a study of wind circulation in the upper atmosphere conducted during the first half of 1964 near Moscow (56° N). The wind circulation was measured by radar tracking of meteor trail drifts at altitudes of 85—110 km.

The radar equipment used in the measurements had a coherent pulse output modulating a 33-Mc carrier. The pulse duration, repetition frequency, and power were 10 usec, 500 cps, and approximately 100 kw, respectively. A form of coding was used in which every fifth pulse was distinct. A two stack transmitting antenna consisting of four 5-element Yagi antennas was employed. The receiver antenna had only one 5-element section. The

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receiver sensitivity thus achieved was 2—3 µv at a signal-to-noise ratio of two. The display and recording equipment was triggered by the received pulses and was protected from spurious noise by 1) utilization of the coincidence of two consecutive marker pulses for correlating purposes, 2) preselection by repetition frequency discrimination, and 3) spurious signal suppression using a special detuned noise receiver. The displayed frames were filmed. Each frame contained information on the distance from the point of reflection of the transmitted pulse, the meteor echo diffraction pattern, the Doppler shift pattern, the date and time, and the antenna direction.

The horizontal component of the unit velocity of meteor trail movement was obtained from direct readings of the radial trail velocity components as recorded by the Doppler shifts. The direction of meteor trail movements was determined from the Doppler shift phase difference obtained at the outputs of two phase detectors in which the reference signals were approximately in quadrature.

The drift velocity readings had considerable fluctuations and, for this reason, were averaged on an hourly basis. The averages were used to study diurnal wind pattern changes. In order to secure meaningful averages using the equipment at hand (based on at least 50 measurements/hr), Cord 2/4

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measurements were made alternately, first in the NS and then in the EW directions. The results obtained at the same time of day but for different days were combined. Thus, about 7000—9000 individual readings were recorded during one 5—7 day measurement session.

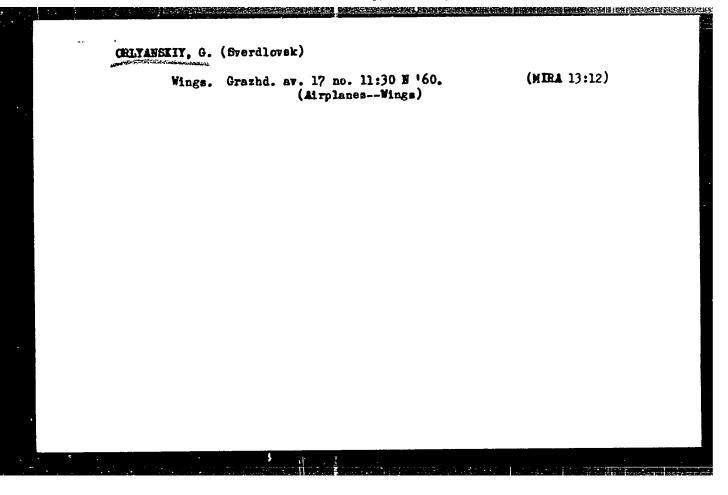
On the basis of the observation results, it was established that the magnitude and direction of winds varied from day to day and from month to month. The experimental curves of wind velocities were anlayzed by Fourier series. i. e., they were reduced to a constant component and three harmonics (corresponding to 24-, 12-, and 8-hour variations). The second harmonic was predominant. The velocities of the zonal wind components attained maximum values of 20-30 m/sec in April and June. These velocities were lowest during January and March (1-5 m/sec); during February and May they were 12-15 m/sec. The direction varied from easterly during February and March to westerly during the April-May period, and again to easterly in June. The meridian wind components were directed to the south during every month except March. The magnitudes of these components varied from 5 to 18 m/sec; the maximum was observed in March.

Comparison of these results with the published data from similar studies at Manchester and Khar' kov established that similarities exist in Cord 3/4

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the monthly variations and that in all three cases the wind velocities decrease during spring and summer. The curves of the meridian wind components exhibit certain similarities, but the zonal component curves show closer agreenment. The data are different when the relative magnitudes of the wind velocities for the three locations are considered. Both wind components at Manchester were weaken than those studied in the USSR. This is attributed to the different climater gical conditions at the points of observation and to the different times of observation with respect to the 11-year solar activity cycle. Orig. art. has: 3 figures. FSB: v. 2, no. 10 SUB COD: 04.07 / SUBM DATE: 29Mar65 / ORIG REF: 004 / OTH REF: 003

Cord 4/4



ORLYANSKIY, Ya.G.; TSAREVSKIY, B.V.; POPEL' S.I.

Effect of deoxidizers on the suface finish of carbon steel castings. Lit. proizv. no.10:4-5 0 63. (MIRA 16:12)

ORLYGINA-CHURSINA, T.M., vrach

Uterine rupture of three months duration. Zdrav. Turk. 3 no.4: 30-31 J1-Ag 159. (MIRA 13:2)

1. Iz kafedry akusherstva i ginekologii (zaveduyushchiy - prof. A.B. Preysman) Turkmenskogo gosudarstvennogo meditsinskogo instituta im. I.V. Stalina.

(UTERUS--RUPTURE)

ORLYGINA-CHURSINA, T.M., assistent

Course of labor with untimely escape of fluids. Zdrav.Turk. 5 no.2:25-27 Mr-Ap '61. (MIRA 14:5)

1. Iz kafedry akusherstva i ginekologii (zav. - dotsent M.S. Seyradov) Turkmenskogo gosudarstvennogo meditsinskogo instituta imeni I.V.Stalina.

(LABOR, COMPLICATED)

VARVARENKO, N.; ORLYUK, S.; ANUKHIN, I.

Improving the quality of auditing in enterprises. Buking.uchet 14 no.7:41-47 Jl '57. (MERA 10:7)

1. Revizor tresta "Keveantekhmontesh," Rostov-na-Donu (for Varvarenko), 2. Revizor Ministerstva stroitel'stva Ukrainskoy SSR, Kiyev (for Orlyuk). 3. Trest "Lenryba," Leningrad (for Anukhin). (Auditing)

ORLYUK, S.

Auditor's notes. Bukhg. uchet. 14 [i. e. 16] no.12:27-29
D '57.

(Auditing)

(MIRA 11:1)

ORLYUK, S.

Financial condition of building organizations has improved.

Fin. SSSR 19 no.4:48-49 ap '58. (MIRA 11:4)

yn , roend Accellanting betreet de roen gebruik bereit.

l. Nachal'nik finansovogo otdela Upravleniya stroitel'stva i promstroymaterialov Kiyevskogo sovnarkhoza. (Kiev Economic Region--Gonstruction industry--Finance)

ORLYUK, S.

What is accomplished through the analysis of construction and installation costs. Fin. SSSR 20 no.7:56-57 Jl '59.

(MIRA 12:11)

l. Machal'nik finansovogo otdela Upravleniya stroitel'stva Kiyevskogo sovnarkhoza.

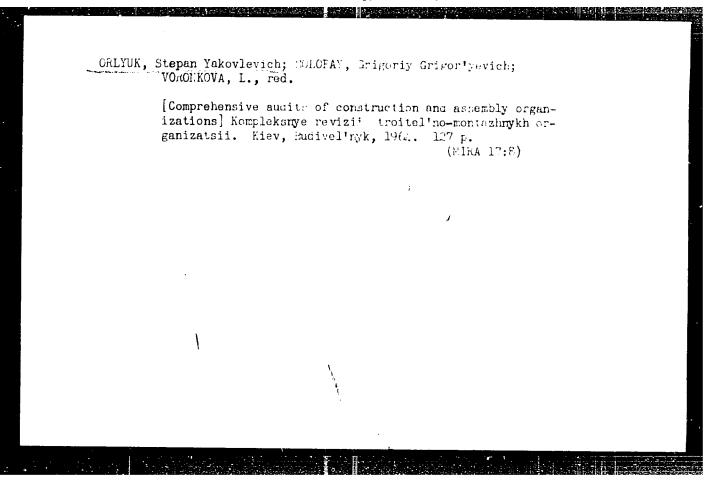
(Kiev Mconomic Region-Construction industry-Costs)

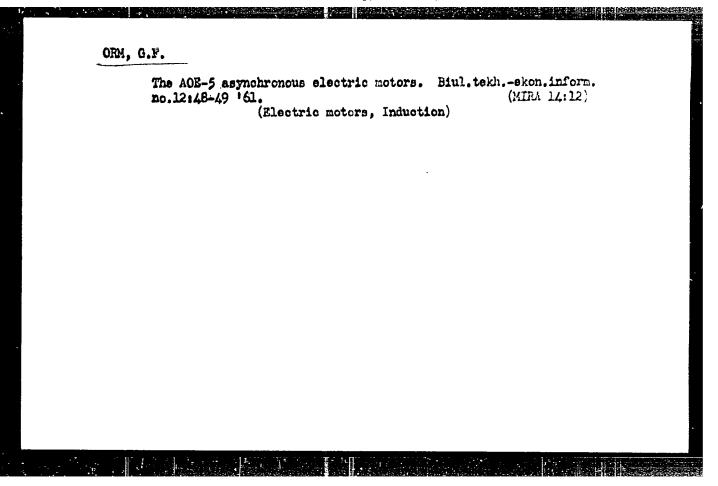
ORLYUK, S.; YATSENKO, S.

Determine aveilable working capital correctly. Fin. SSSR 23 no.2:68-70 F 162. (MIRA 15:2)

1. Zamestitel nachal nika finansovogo otdela i tsentral noy bukhgalterii upravleniya stroitel stva Kiyevskogo sovnarkhoza (for Orlyuk). 2. Zamestitel glavnogo bukhgaltera Kiyevskogo sovnarkhoza (for Yatsenko).

(Kiev Province-Construction industry-Finance)





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TECHNIKA VUYUPU, MLYNARSTVI A PEKARSTVI. (Ministerstvo potravinarskeho prumyslu a vykupu zemedlskych vurobku a Sdruzeni mlynu a pekaren)
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573-577 19 Apr 59.

1. A Fovarosi Tanacs VB. Heine-Medin Utokezelo Korhaza es Rendelointezetenek (igazgato-foorvos: Lukacs Iaszlo dr.) kozlemenye.

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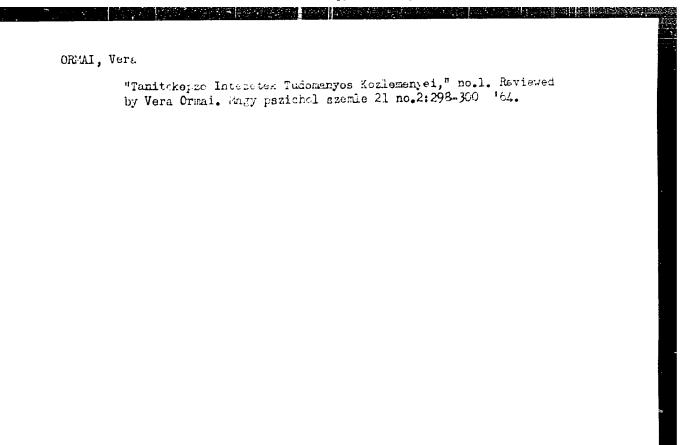
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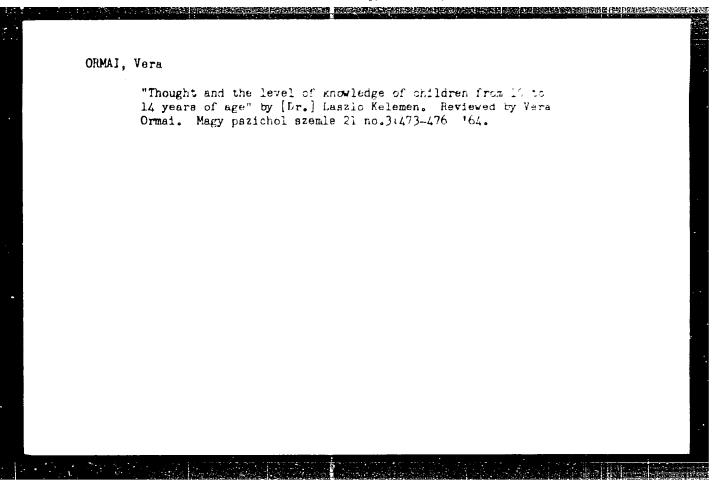
Acta med. Acad. sol. Hung. von. 35552403 Feg.

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ORMAN, B.

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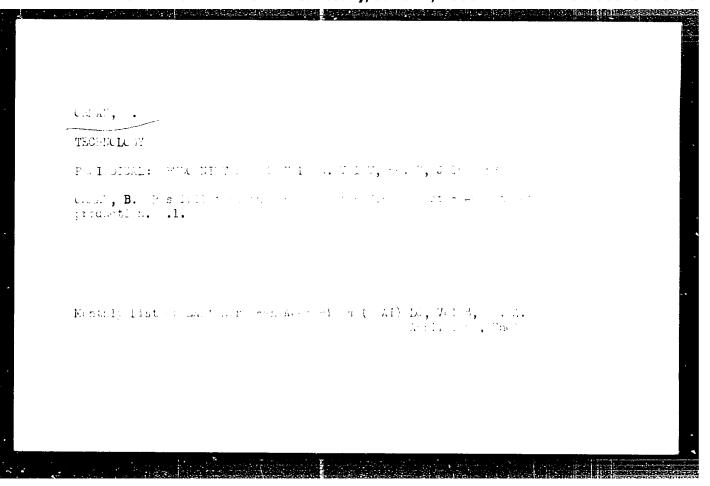
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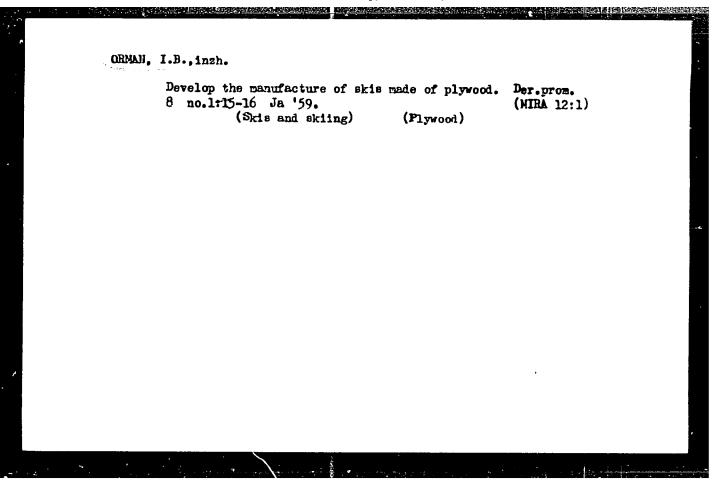
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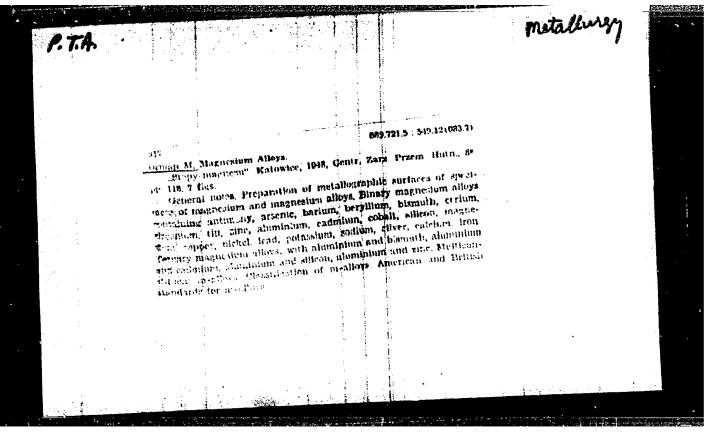
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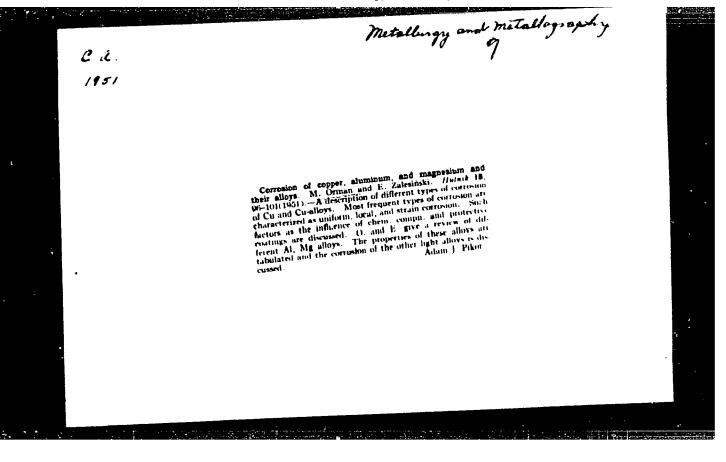
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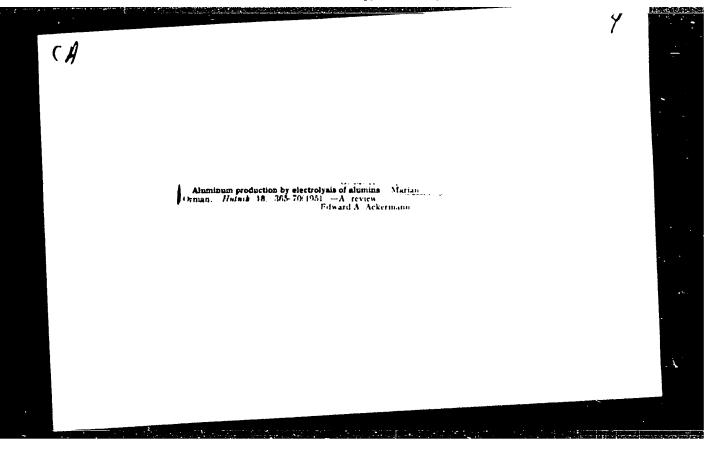
ORMAN, M.L. (Moskva)

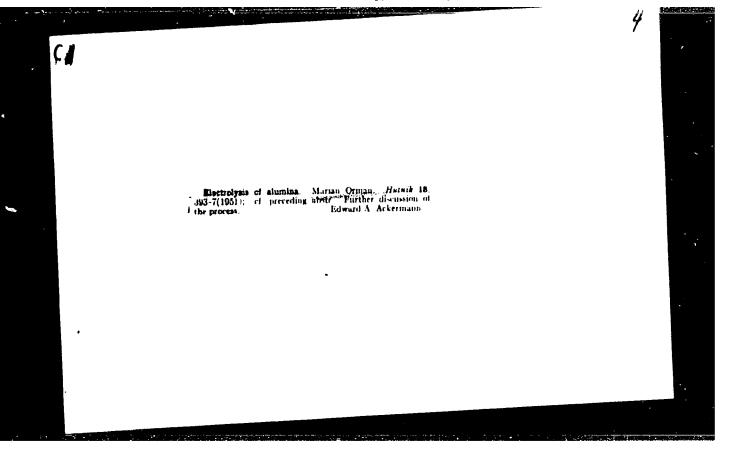
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(MIRA 18.4)









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Orman M Production of Magnesium Oxide from Carnallite Mother

Lyce.

Polish Technical Abstracts No. 4, 1953 Chemistry and Chemical Technology

"O'rzymywanie tlenku magnezu z ługów pokarnalitowych". (Prace Inst. Matalurgit Po. 4), Katowice, 1952, PWT, 8 pp. 6 figs. 9 tabs According to data published in Soviet, German and American journals, mother lyes from crystallization, obtained as a by-product during the treatment of carnallite in order to get potassium sail , contain sabout 300 grams of MgCl2 per litre. This liquid is used for the production of magnesium oxide on an industrial scale and at a further stage for the production of magnesite refractory bracks. In this paper are reported the results of laboratory scale investigations over the production process of syntholic magnesite from carnalling mother lives The mother type were produced from home carnallities. By morns of a roas ed and calcinated dolomiles, magaislum hydroxide was prompttailed and after roesting, it became a good raw movertal (SiO:-0.3"). CaO-4.1%, Al₂O₃-2.1%, Fe₂O₃-3.9%, MgO-79.7%) for magnesice brick manufacturing. Technological factors of the process obtained on a laboratory scale are given.

125

Metallurgical Abst.
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**Technology of Metallic Baying Production. M. Orman and E. Zembala. [Proc. Ind. Not., 1982, 4, 60, 437-446].

In Tolishi, Appr. and Each Boo. Al. (2), 4-3Ba is described. Has the Balling over and condensing in the cooler part of the reaction retort. Processor 104 mm. Hg or lower, BaO; Al ratio 1, with BaO, content 3-0-3%. The metal object of 1 with BaO, content 3-0-3% throretical.—S. K. L.

Metallurgical Abst.
Vol. 21 Apr. 1954
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Metals

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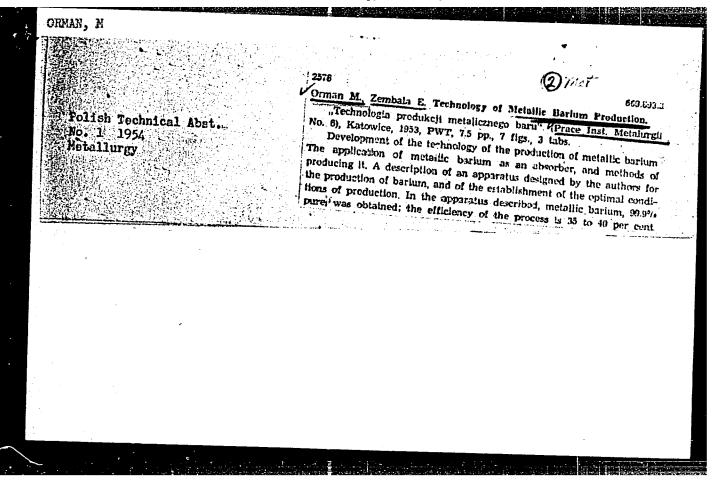
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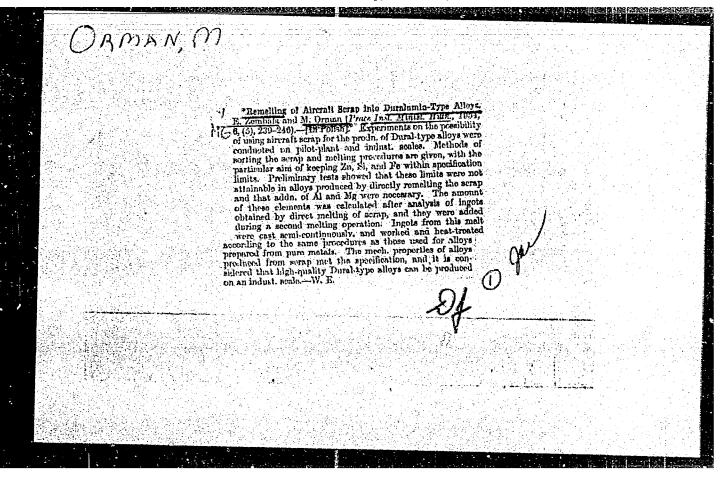
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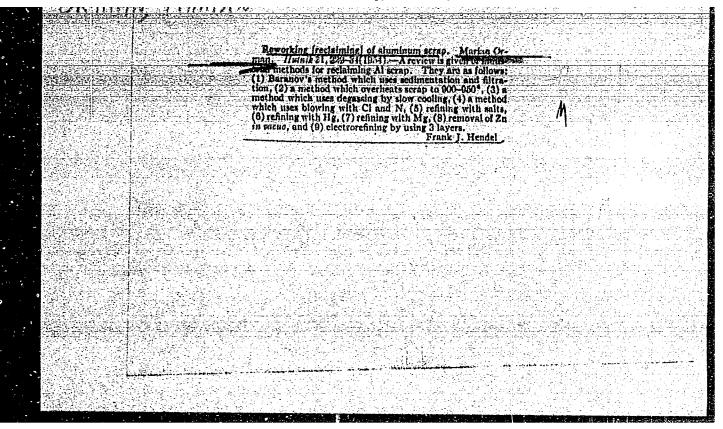


ORFAN, F.

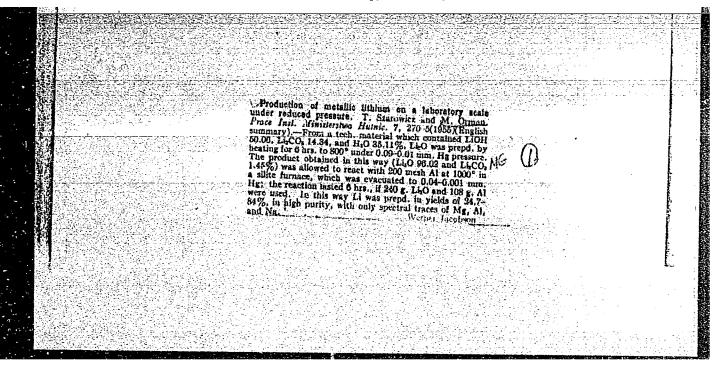
"Alloys of Magnesium, Zirconium and Other Elerents from Thin Soil." p. 210 "Profes or Stanislaw Zygruntowicz." p. 216 (HUTNIK, Vol. 26, No. 6, June 1953) Warszels

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SZAROVICZ, T. and ORMAY,	М.		POĽ	UND	
"Technology of the Produc Ministerstwa Hutnictwa,	tion of No. 5-6,	Metallic Li Ministry o	thium Under Reduced of thecketallurgical	Pressure," Pr Industry, 95	ace Instytutow
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ORMAN, M.

Production of very care metallic calcium. 4. 544.
Vol 10, no. 12, Dec. 1955. KOMASZATI LAPOK. Budapest, Hungary.

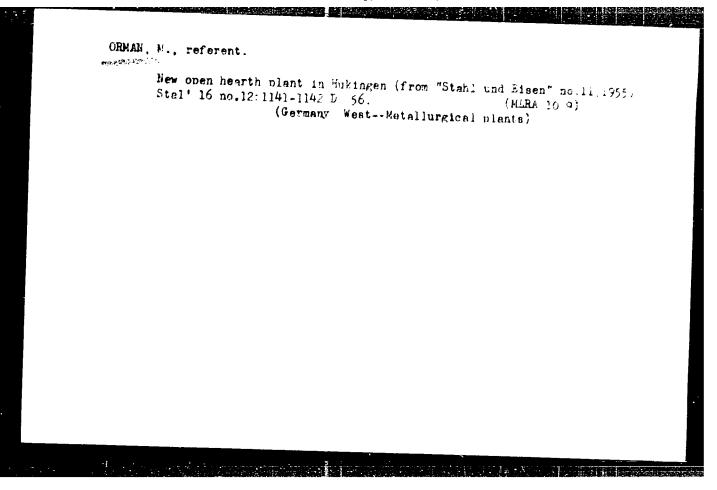
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CRMAR, M.; ARERMAN, E.

Preparation of high purity calcium. In German. 1. 179.

(ACTA PECHPICA. Vol. 15, nc. 1/2, 1.56. Hungary)

SC: Monthly List of East European Accessions (S.AL) IC, Vol. 6, nc. 6, June 1957. Uncl.



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POLAND/Chemical Technology - Chemical Products and Their

Applications - Corrosion. Corrosion Protection.

Abs Jour

: Ref Zhur - Khimiya, No 11, 1958, 36582

Author

: Orman M.

Inst

Ministerstwo Hutn

Title

Corrosion of Aluminum Alloys in Shipbuilding.

Orig Pub

Prace Ministerstwa Hutn., 1957, 9, No 4, 167-171

Abstract

Given are data on long term actual service corrosion experiments (44 months) in sea water, sea atmosphere and river water, of the following alloys: Al -Mg (2.60%-5.35% Mg) and Al - Mn. (1.2%-1.3% Mn.) alloyed with Cr, Si, V and Ti, as well as on the effectiveness

of anodic oxidation as corrosion protection.

Above alloys were subjected to surface and intercrystalline corrosions. The greatest resustance was shown

Card 1/2

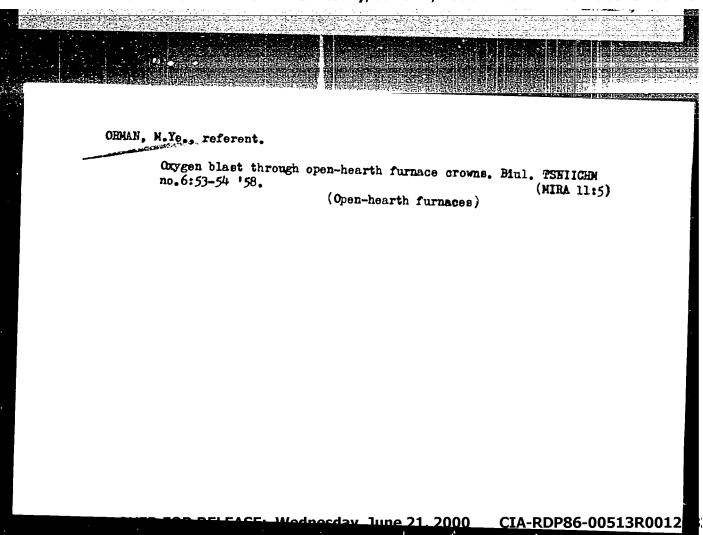
ORMAN, M.

Z. Ratajczak's Boksyt i drogi rozwoju swiatowego hutnictwa aluminiowego (Bauzite and the Avenues of Development of the Aluminum Metallurgy in the World); a book review.

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APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238



URMAN, M Ye

BOYCHENEO, Mikhail Stepanovich; MILLER, Abram Isaakovich; MIKHAYLOV, Oleg Aleksandrovich, MYRTSYMOV, Aleksandr Pedorovich; MIKOLAYEV, Mikhail Aleksayevich; METESIE, Aleksandr Yevgrafovich; GUEDON, Mikhail Yeremeysvich; MUTES, Viktor Savel 'yevich; GUEDON, L.M., red.; BEKKER, O.G., tekhn. red.

[Ferrous metallurgy of capitalist countries] Chernaia metallurgiia kapitalisticheskikh stran. Pt.3. [Steel smelting] Staleplavil'noe proizvodstvo. Boichenko, M.S., and others. Moskva, Gos. nauchnotekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii. 1958. 740 p. (MIRA 11:7)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.

(Steel--Metallurgy)

21:132

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AUTHCRS:

Orman, Marian and Malanty, Adam

IITLE:

Preparation of pure calcium

PELLOGICAL: Eukleoniks, v. S. no. 9, 1 co. 551 - 558

TEXT: A method is described of producing "nuclear leality" Ca (Fe, Si, Mg, Al ≤ 300 , $p \leq 0.5$, Li ≤ 6 and Cd ≤ 0.1 p.p.m.) by distillation under reduced pressure and fractional condensation, on a semi-industrial scale. The work is a continuation of the study of preparing pure Ca on a laboratory scale, completed successfully in 1955. The raw material consisted of imported Ca obtained from the instytut badań indrowych (Nuclear Research Institute). Tests were carried out on (a) 6-kg of lump Ca (99.6 - 99.5%) and (b) 50 kg, of Ca chawings of circler purity rut contaminated with CaO, Na and K. During distillation under reduced pressure at 900°C, Ca, ma, Li, pr. Mg. Na and K are volatilized, while the heavy metal impurities remain in the crucible. With a gentle temperature gradient in the condenser (from ~ 50 to $\sim 600^{\circ}$ C) the metals condense in layers showing differences in the amount of

Card 1/4

24132

Preparation of pure calcium

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volatiles and in grain size; Thus Li appears chiefly in the fine grain fraction and Na and K, both element 1 and as nitrides, in the very fine grain fractions. It was found that on repeating the distillation of a coarse fraction, the loss of Li is where Co is the mean concentration of Li in

the starting material and C_n ditto after n distillations. The following conditions were determined for the distillation process: temperature (20 - 850°C, time nours, pressure 0.07 torrs., temperature of condenser 550 - 650°C, load of raw material 6 - 7kg. The distillation apparatus is illustrated. Pressures of 10-3 torrs were achieved. The sample (lump Ca) was contained in an Armco iron boat and the apparatus was evacuated to 0.1 torrs before heating. After 7 hours at 300°C (temperature outside the retort) the furnace was turned off and the sample cooled to ~250°C with constant evacuation. The purps were then cut off and, after leaking in small quantities of air to allow the slow te-

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erregion activity of the profession of the section

241 12 Provis, 60/005/509/003/500 De41/D302

Preparation of pure valcium million of Na and L mitriles, the reteri was opened when the temperature fell below 13000. Contents of in lample boat were weighed and analysed for CaO. Coarse grained material, I was collected for redistillation. The fine traction ID was scaled into all-tight containers for remeions into a product designates Call, containing less impurities, especially Li, La end h, toat the original naw parellal, and no hopey we has. The coarse light that were redisting a into H G (of the required purity and H D, added to H D or remelting. Crystals of H G were compared to the required purity and the remember of the remem 10: 10 prosed into 200 30 mm. diameter and the mm. long. The to mm. long. The management of the property from this material. It are found that the presented condensate ignited spontaneour. The creating the relation and the processie of a 2-stage distill to a had to be adopted. A large another the Na was removed by distilling for three colors at 40000, after which the retort was like to 20000 and you distill a second, when condenser, it as constituted to the processing the constitute of the con constituted that the production process to make favorable economically in the date of lumps than chavings. There are 3