

LITVINOVA, V.D.; SILAYEVA, V.I.

a Na ana amin'ny tanàna mandritry dia kaominina dia Results of studying vertical motions of air during the flight of (MIRA 13:10) free ballcons. Trudy TSAO nc. 34:79-97 160. (Aeronautics in meteorology) (Atmospheric turbulence)

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	8/789/62/000/043/004/005	1.
AUTHORS:	Reshchikova, A.A., Silayeva, V.I.	
TITLE:	Some problems of the methodology of vertical and horizontal aircrait sounding of the atmosphere.	
SOURCE:	Tsentral'naya aerologicheskaya observatoriya. Trudy, no.43. Moscow, 1962, 65-71.	4
electromet and IL-18 midlatitude TM enclos method of level-spee zontal trac the return IAS is extr method co varied fro	The paper examines the determination of the dynamic-pressure-correc- coefficient (C) for the temperature (T) as measured by the IIAO (TsAO) eorograph (EM) aboard high-speed aircraft (A/C), such as the TU-104 A/C, and discusses the plotting of representative cross-sections through a jet-streams. The thermometer (TM) element used was a Pt-resistance ed in a Zaytsev-Ladokhovich metal fairing. The formerly employed determining the DPC C by making high-level-speed (V_{max}) and minimum d (V_{min}) runs of 2-3 min each, forward and reverse, over a given hori- k, was abandoned, since the large turning radii of high-speed A/C make to a given track uncertain and the maintenance of a rigorously constant emely difficult at either end of the IAS range of such A/C. The new mists in a constant-elevation operation in which the IAS is gradually m V_{max} to V_{min} and back. The test runs were made preferably in anti- nd clear-sky conditions in which the constant-level horizontal T gradients emely small. Flights within ice-crystal clouds, at some distance from	•
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frontal phenomena, were also satisfactory. The DPC C was then determined from the IAS and T readings; it assumed the same value for the TU-104 and the IL-18 A/C for the given faired EM. Errors: Frequently, the EM pressure (P) reading during take-off (TO) and landing (L) is at variance with station pressure by as much as 10-12 mb; this is attributed to airflow irregularities in the TO and L configuration of the A/C; hence, station data should be employed and not EM data. Displacements of the light dots of the K4-51 recorder should be verified by reference to their initial positions. If a flight, while following an isobar, passes above an underlying frontal surface, the elevation determination may be in error by 100-200 m, unless a vertical sounding through the frontal surface provides accurate information about the vertical T distribution. Static-pressure-line leaks may be a source of major errors. A comparison between A/C soundings and balloon soundings performed within 2 hrs of the APOB was made. T inversions, isothermal layers, and the tropopause were picked up by the A/C EM some 300 m earlier than by the radiosonde (smaller time lag because of better ventilation). A/C soundings picked up thin inversion layers that were missed completely by the balloon sondes. In the 1-9-km layer the balloon-sonde T readings were, in the mean, 2.3°C lower than the A/C readings, with a r.m.s. deviation of $\pm 2^{\circ}$ C. Above the 9-km level (tropopause) the difference between the means became smaller, the r.m.s. deviation greater. Some aspects of the construction of mean vertical atmospheric cross-sections are

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desc.ibed, for example, mean vertical soundings performed by an expedition in the Far East in which jet-stream phenomena were found to be associated with an upper front which could be traced from a 5-6-km elevation to the tropopause within its steepest or broken-up portion, and in which it was made manifest that the jetstream axis was located underneath the tropical tropopause in its warm region. To obtain such a mean cross-section, each individual aerological cross-section was divided into rectangles, the height of which was the vertical distance from the point of intersection of the tropical tropopause with the upper boundary of the frontal surface (Point (a) on Fig. 3, shown on Card 44) to the intersection of the same vertical with the lower boundary of the frontal surface (b), and the width of which was the horizontal distance from the latter point (b) to the upper boundary of the frontal surface (c). For each of these rectangles the mean T and mean wind velocity was determined. If any one rectangle covers a frontal region or regions above and below the tropopause, then two mean temperatures must be computed. The mean wind velocity should be obtained as a deviation of the isotachs passing through the rectangle under consideration from the maximum isotach of the jet stream. The result is a mean vertical cross-section of the jet stream. The center of the coordinates is tentatively placed at the point of intersection of the tropical tropopause with the frontal surface. The mean isotach isodeviations (in %) and the mean isotherms are connected with continuous and broken lines, respectively. Similarly, cross-sections can be drawn showing the distribution of A/C g-loads Card 3/4

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ACCESSION NR: AP4005829	it 1 ³
AUTHOR: Silayeva, V. 22	rystallization of MVTU-1 die-casting
aluminum alloy	brab. metalloy, die casting
TOPIC TAGS: phase cremposition	luminum silicon magne
gram, aluminum alloy stam, aluminum alloy aluminum alloy aluminum alloy	num alloy, NVTU-1 (7.5-8.5% SI, 0.9% min Fc,
ABSTRACT: A new die-casting 0.3-0.5% Mg, 0.3-0.5% Mh, 1-1 0.3-0.5% Mg, has been developed	uminum alloy, MVTU-1 (7.5-8.5% 52, .5% Cu, 0.1-0.3% Ti, 0.9% min Fe, .5% Cu, 0.2% Ti, 0.2\% Ti, 0.2\% Ti, 0.2\% Ti, 0.2\% Ti, 0.2\% Ti, 0.
iron, and titunized the new allo transformations of the new allo Cu phase diagram. A section of	
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0.4% magnesium (see Fig. 1 of the Enclosure) shows the transformations which the MVTU-1 alloy undergoes during crystallization. The W phase contains aluminum, silicon, magnesium, and copper; its exact formula is not known. Results of differential thermal analysis of the alloy cooled at a rate of less than 1C/min agreed with the diagram. Study of die-cast parts, however, showed that the new alloy has a metastable structure when quenched from the molten state. This metastable structure is associated with high mechanical properties: tensile strength, 27-32 kg/mm²; elongation, 3-57; impact strength, 1.2 to ~1.7 m·kg/cm²; hardness, HB 70-80. Aging (without solution annealing) at 130C for 8 hr brings about an increase in tensile strength of 3 to 4 kg/mm² and in hardness of 20 kg/mm², but elongation drops to 3%. Apparently, rapid cooling during die casting prevents primary diffusion and, consequently, precipitation of the ternary and quaternary eutectics. The aluminum-base solid solution becomes oversaturated with copper, magnesium, and silicon, which precipitate during aging, probably as CuAl₂ and Mg₂Si. Orig. art. has: 2 figures.

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\$/0129/63/000/012/0035/0037 AUTHOR: Sidorin, I. I.; Fridlyander, I. N.; Silayeva, V. I.; Kuznetsova, Ye. A. ACCESSION NR: AP4005830 TITLE: Investigation of the structure and properties of SAP-1 material SOURCE: Metalloved. i termich. obrab. metallov, no. 12, 1963, 35-37 TOPIC TAGS: sintered aluminum powder, SAP sheet, SAP sheet structure, SAP sheet strength, SAP sheet ductility, SAP cold rolling, SAP hot rolling, SAP sint-ering SAP annealing, SAP structure, SAP property, SAP alloy ABSTRACT: The authors have investigated the effect of technological conditions, AUSIRACI: The autrors have investigated the effect of technological conditions, esnecially the temperature of preliminary sintering and annealing, on the struc-ture and mechanical properties of cintered aluminum newder products at higher esnecially the temperature of preliminary sintering and annealing, on the stru ture and mechanical properties of sintered aluminum powder products at higher temperatures (especially above sone). The tested material was first sintered ture and mecnanical properties of sintered aluminum powder products at nigher temperatures (especially above 500C). The tested material was first sintered at temperatures of 500 and 650r for 2 hours hot pressed at 500r under a specific temperatures (especially above 5000). The tested material was first sintered a temperatures of 500 and 6500 for 2 hours, hot pressed at 5000 under a specific pressure of 55 kg/m² pressure of 55 kg/m². temperatures of 500 and bb00 for 2 nours, not pressed at 5000 under a specific pressure of 55 kg/mm², pressed at 500-5500 with 89.5% deformation, hot rolled at 500-5500 with a deformation of 50%. Prepressure of 55 kg/mm*, pressed at 500-5506 with oy.5% deformation, not roised at 500C with 70% deformation, and cold rolled with a deformation of 50%. And has liminary sintering at higher temperatures (Asnr) decreased the strength and has at 500C with /0% deformation, and cold rolled with a deformation of 30%. rre-liminary sintering at higher temperatures (650C) decreased the strength and hard-ness of the semifinished product and increased the percentage of elongation. This liminary sintering at higher temperatures (650C) decreased the strength and hard-ness of the semifinished product and increased the percentage of elongation. This effect may be due to recrystallization in microvolumes. The texture format as a ness of the semifinished product and increased the percentage of elongation. Ini effect may be due to recrystallization in microvolumes. The texture formed as a result of proceing and bot and cold colling of this material was very stable in effect may be due to recrystallization in microvolumes. The texture formed as a result of pressing and hot and cold rolling of this material was very stable up Cord 1/2 Carc U

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s/2789/63/000/047/0055/0062 ACCESSION NR: AT4011396 AUTHOR: Reshchikova, A. A.; Silayeva, V. I.; Shmeter, S. M. TITLE: Growth of cumulonimbus clouds and characteristics of the temperature field above them in the upper troposphere and in the tropopause zone SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy*, no. 47, 1963. TOPIC TAGS: meteorology, atmospheric convection, cloud, cumulonimbus cloud, tro-Fizika oblakov, 55-62 popause, troposphere, temperature field, upper troposphere, air temperature, ABSTRACT: An investigation of the fields of meteorological elements near the stratosphere, lower stratosphere upper part of 94 cumilonimbus clouds was made by the Tsentral'naya aerologicheskaya observatoriya (Central Aerological Observatory) in 1959-1961. A TU-104 flying laboratory was used; it carried an electrometeorograph, apparatus for measurement of turbulence and a Doppler set for determination of wind velocity and direction. of curvatence and a poppier see for determination of which reason of the termination of termination of the termination of t the rate of growth of cumilonimbus clouds at heights of 8-12 km. At the time of strong convection these clouds can penetrate into the tropopause layer and even Cinto the lower stratosphere. In the tropopause zone the rate of growth of clouds

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550610002-1 R BRENERR REPARA S/2789/64/000/053/0091/0100 AUTIIOR: Reshchikova, A.A., Sllayeva, V.I., Shmeter, S.M. TITLE: Turbulence causing aircraft bumping in a zone of cumulonimbus clouds ACCESSION NR: AT4045516 SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy^{*}, no. 53, 1964. Dinamika aimosfery^{*} (Atmognheric dynamics), 91-100 TOPIC TAGS: meteorology, atmospheric turbulence, aircraft turbulence, cloud, cumulus cloud, cumulonimbus cloud, aviation meteorology осонов: Пвентган naya aerologicneskaya ouservatoriy Dinamika almosfery* (Atmospheric dynamics), 91-100 ABSTRACT: On the basis of data obtained in special flight investigations of atmospheric turbulence causing the humping of aircraft in a zone of Ch clouds the authors present ABSTRACT: On the basis of data obtained in special flight investigations of atmosphe turbulence causing the bumping of aircraft in a zone of Cb clouds the authors present data on the frequency and intensity of bumping (aircraft turbulence) of let aircraft near turbulence causing the bumping of aircraft in a zone of Cb clouds the authors present ultimetee frequency and intensity of bumping (aircraft turbulence) of jet aircraft new around the tops of Cb and to some extent within them. They discuss the effect of wind flow and the tops of Cb and to some extent within them. They discuss the select of the beneath the Cb on the structure of zones of aircraft turbulence near these clouds. The beneath time Cb on the structure of zones of aircraft turbulence of some duration is virtually always observed, in the tops of maker is an end to be an easily of such turbulence is not conclusions are drawn: 1. Within the tops of Cb, in the intensity of such turbulence is not upper boundary, aircraft turbulence of some duration is virtually always and the such turbulence is not clouds which have ceased their upward growth the intensity of such turbulence is not clouds which have ceased their upward growth the intensity of such turbulence is not clouds which have ceased their upward growth the intensity of such turbulence is not clouds which have ceased their upward growth the intensity of such turbulence is not clouds which have ceased their upward growth the intensity of such turbulence is not clouds which have ceased their upward growth the intensity of such turbulence is not clouds which have ceased their upward growth the intensity of such turbulence is not clouds which have ceased their upward growth turbulence is not such turbulence is not i المراجعة: meleorology, atmospherid turbulen cioud, cumulonimbus cloud, aviation meteorology upper boundary, aircraft turbulence of some duration is virtually always observed. It clouds which have ceased their upward growth the intensity of such turbulence is not 1/3 <u>Car</u>d

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more moderate. Only in extremely rare cases is the overload increment as much as 0.5-0.8 g. In the tops of upward developing clouds the turbulence is manifested as sharp upward and downward thrusts. The intensity of bumping can be very strong with overload increments reaching up to \pm 1g and even somewhat greater. 2. During flight within the tops of growing Cb an aircraft experiences transverse horizontal overloads which "shove" it from side to side. In many cases there is also a long-period 'pitching". 3. Flight over Cb at a distance of more than 200 m above the cloud boundary at e virtually free of turbulence. 4. Over Cb, turbulent zones are encountered in the direction of the wind vector more frequently than over sectors situated perpendicular to the wind. These zones are situated not only over the cloud, but also extend 5-10 km to one side. The horizontal extent of turbulent zones is 33-50% smaller alongsi's developing clouds than alongside fully developed clouds. 5. In approximately 80% of the cases the turbulent zones over Cb are continuous, but in 20% of the cases they have a discontinuous character, with calm zones between the turbulent sones near the upper third of Cb are sometimes asymmetrical relative to the direction of the wind vector. On the leeward side of

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changing in size of intens V.S. Aleksandroy, their the aircraft investigation	ity. "In conclusion, the author colleagues at the GosNII GVF, s." Orig. art. has: 2 figures a i 'naya aerologicheskaya observa	s wish to thank M. M. Kulik and for organizing and carrying out and 5 tables.	X
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RESUMPTIEOVA, A.A.; STLAYEVA, V.I.; SHMETER, S.M.

Turbulence causing airplane bunchness in a zone of cumulonimbus clouds. Trudy TSAO no.53:91-100 464. (MIRA 17:10)

RESHCHIKOVA, A.A.; SILAYEVA, V.I.; SHMETER, S.M.

Growth of cumulonimbus and the characteristics of the overlying temperature field in the upper troposphere and in the troposause zone. Trudy TSAO no.47:55-62 '63. (MIRA 16:12)

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	on of the heat treatment of VAD-23 aluminum all $\frac{1}{\sqrt{2}}$ in $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$	oy .
	um, aluminum alloy, heat resistant alloy, metal	L heat treatment,
treatment for VAD-23 internal stresses an The VAD-23 alloy of 0.1-0.25% Cd, and i Clad sheets 2.5 mm t oil having a tempera 16 hr. Aging VAD-23 53.3 kg/mm ² , a yield strength of 9.7 kg/m	14 ats have been conducted to determine optimum co 3 wrought, <u>heat-resistant</u> aluminum alloy which ad warping in thin sheets induced by convention the <u>Al-Cu-Li-Mi-Cd</u> system contains 4.9-5.8% is used for prolonged operation at temperatures thick were solution heat treated at 525C for 30 ature of 170C, and aged at this temperature for 3 alloy at 170C for 9 hr resulted in a tensile 1 strength of 47.6 kg/mm ² , an elongation of 6.0 mm ² , compared with 57.3 kg/mm ² , 52.6 kg/mm ² , 5 heat treated alloy (solution annealed, water qu Thus, solution heat treatment at 525C for 30	al heat treatment. Cu, 0.4-0.8% Mn, up to 160-180C. min, quenched in 3, 6, 9, 12, and strength of %, and a fatigue 2%, and 8.7 kg/mm ² menched, and aged
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strength and warpag	und ductil ge in the educes rej	C and aging a lity, increas VAD-23 alloy Jects in the	ses fatigue 7. The lat	e strength, tter is of g	and low reat pr	ers intern actical im	al stre portanc	sses e in 3 fi	ig-
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L 07938-67 EWT(m)/E ACC NR: AP6027631	$\frac{WP(t)/FII}{N} \qquad SOURCE CODE: UR/0145/66/000/006/0107$	/0110
AUTHOR: Kosolapov, G. of technical sciences)	F. (Candidate of technical sciences); Silayeva, V. I	. (Candidate 3え ミン
ORG: None TITLE: Investigation	of deformations in VAD-23 alloy during aging	В
	ostroyeniye, no. 6, 1966, 107-110	
metal aging ABSTRACT: The authors alloy. The initial ma Li 1.2, Ma 0.5, 525°C and aged at5150 photography in a KROS tion of the interferen- the inttice constant the using process in	base alloy, x ray analysis, solid solution, lattice p s study volumetric changes during artificial aging of aterial had the following chemical composition (%): Cu Cd 0.2 and the remainder Al. The specimens were , 170 and 190°C. A tube with a copper anode was used <u>camera.</u> The atomic lattice period was determined by nee lines from planes (511) and (333). Curves for the of the solid solution as a function of aging time ind VAD-23 alloy is similar to this process in other alumn a follows a preliminary stage. These two stages are lattice parameter remains constant for aging tempera	VAD-23 u 5.3, tempered at for x-ray the posi- e change in icate that inum alloys separated by tures of 150
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end 1/0°C. The time for both stages is reduced as temperature is increased. The time for complete decomposition of the solid solution is 26 hours at 150°, 4 hours at 170° and i hour at 190°C. It was found that hardness increases during both stages with maximum increase in the precipitation stage. This indicates that the structure of the alloy is stable with respect to phase composition and concentration after heat treatent to maximum hardness and strength. The length of the specimens is increased by changes in the structure of the solid solution during the stage preceding precipitation. The specimens continue to increase in length up to complete decomposition of the solid solution although at a slower rate in the second stage. The change in the linear dimensions of the specimen is approximately 0.1% of the original dimensions. Flastic deformation of the tempered alloy accelerates the aging process somehwat although the change in dimensions is of the same order $\sim 0.1\%$. The article was presented for publication by Doctor of technical sciences, Professor I. I. Sidorin, MYTU. Orig. art. has: 5 figures.

SUB CODE: 11/ SUBM DATE: 18Nov65/ ORIG REF: 004

APPROVED FOR RELEASE: 08/23/2000

ACC NR: AP6034029	SOURCE COLE: UR/0050/66/000/010/0007/0013
AUTHORS: Shmeter, S. M. (Candi	idate of physico-mathematical sciences); Silayeva, V. I.
DRG: Contral Aerological Obser	rvatory (Tsentral'naya sorologicheskaya observatoriya)
FITLE: Vertical currents withi	in cumulonimbus clouds
SOURCE: Moteorologiya i gidrol	logiya, no. 10, 1966, 7-13
TOPIC TAGS: atmospheric cloud,	, atmospheric turbulence, air tass
a study of tho temperature, win TU-104B airplane, sot up as a 1 698 sories of measurements in 2 at heights from 7 to 11 km, and the cloud, maximum penetration	1959-65, the TrAO, jointly with GosNIIGA and GGO, made ad, and vertical-movement fields in the Cb zone. A laboratory with special apparatus, was used to make 294 different Cb cloud zones. Most flights were made a most turns were made several hundred meters within being about 1000 m. The vertical component of air of data supplied from measurements of overloading and gravity. The most intense vertical movements were most

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volume of the cloud. Huring development of the cloud, nonterbulent zones were found only w bein 10--30 m of the sides or top of the cloud. The dewndrafts, rather than being merely compensatory effects, were found to be associated with actual precipitatica. Every did not appear until precipitation began. Analysis of data from the flights has shown that the coefficient of turbulence is maximal in mature 6c clouds, where the value may exceed 50° m/sec, and is minimal at the end of the stage of cloud disintegration, when it may be less than 150 m²/sec. In stratus clouds the coefficient term of exceed 30--50 m²/sec. In large mature 6b clouds, where a large number of moderately sized updrafts and downdrafts are present, the vertical exchange of mass by these drafts may be 5--10 times the exchange by turbulent currents. Orig. art. has: 3 figures, 3 tables, and 3 formulas.

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A Carthy 33095 s/638/61/co1/co0/018/056 B104/B134 Gerasimov, A. G., Gorbunov, A. N., Dubrovinn, V. A., Kaipov, D., Kuvatov, K., Orlova, A. I., Osipova, V. A., Sakovich, V. A., Silayova, V. S., Fomin, Yu. A., Cherenkov, P. A. 24.6700 AUTHORS : Study of photodipintegration of nitrogen. oxygen, and neen Tishkentskaya konferentaiya po mirnomy ispolezovaniyu atomnoy energii. Tashkent, 1959. Trudy. v. 1. Tashkent, 1961. TITLES SOULCES TEXT: The photodisintegration of N_7^{14} , z_8^{16} , and N_{10}^{20} was studied by means of a Wilson character in a superstant of a of a Wilson chamber in a magnetic field acting directly on the bremaof a Wilson chamber in a magnetic field acting directly on the brema-strahlung beam. In order to be able to distinguish reactions ap are gan, and record the recoil nuclei, the Wilson chamber was filled with a mix-ture consisting of the gas to be investigated (nitrogen or neon) and hydro-ter. Reduced pressure was used in experiments with oxygen. In experi-ments with hitragen over and need the stranger for metans month mendoes pitaening and used in experimency with oxygen. In experiments with nitrogen, oxygen, and neon, the stopping power for protons with 0.65, 0.31, and 0.50 relative to air. The mean energy of the photo-Х Our: 1/4'.

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protons from pp reactions was lower than that from pp reactions. The effective cross sections were calculated; their shape indicates the im portunes of transitions in the residual nuclei. The proton angular distribution from ph reactions is nearly isotropic for low proton energies. For sigh priton energies (>>>> May), it is very similar to that in deutern photolicintegration. The proton angular distribution from fp meactions is approximately isotropic for 8_7^{14} and 0_8^{16} at low energies. In the expression $d \sigma/d = A(1+B)/A \sin^2 \Theta + C/A \sin^2 \Theta \cos \Theta + D/A \cos \Theta)$, the effect of the last three $d\sigma/dz = A(1+B)/Asin^{-}\Theta+C/Asin^{-}\Theta\cos\Theta+D/A\cos\sigma\Theta)$, the effect of the fast three terms in parentheses increases for higher engraies. The isotropic pirt of the angular distribution is greater for W_{10}^{-} that for the two other 14 isotropes. An abnormally high yield of the grad reaction was found for N7 isotropes. it is attributed to interaction of a photon with a pair of "valency"

nucleons in the outer shell, which are in the $1p_{1/2}$ state with parallel

uping Luring photon absorption, the electric dipole absorption plays an essent_al part in N and O nuclei. The logarithmic moments of the thaten-ibjorption cross sections are in good arregment with results of thaten ibjorption cross sections are in good arregment with results of cart 2/4

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	 (1997) 10108, 1010, 67, 9709, 12012, 1667, (75) 11, 1617, 1648, 165, 1668, 161, 17 (10) 10, 166, 17, 1648, 166, 161, 17 (11) 10, 166, 167, 168, 168, 168, 168, 168, 168, 168, 168	Deng L. (1997) entry ceat Salven - Sen Delle Li Diveley 2016 - Le Sean L. X. Poyd. Rev., 2019, C.S. Lett, A. 242, 57, 1957)	
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			3 measure	15
	the yields and the cro $\int c(E)E^{-2} dE$ maximum bre	as sections $c_0 = \int \sigma(E) dE$, where $\sigma(E)$ is the total property was Ermax in Table 1, some 3 - 6	10.5.10 ³ oe was used to measure with nitrogen, oxygen and neon $\sigma_{-1} = \int \sigma(E) E^{-1} dE$, and $\sigma_{-2} =$ hoton absorption cross section. The = 170 Mev. Besides the photonuclear pronged stars were observed but not ce obtained from 5300 (N), 8500 (O) cperiments: The ratios of the yields the " α -nuclei" O ¹⁶ and Ne ²⁰ are al- free α -particle this value equals	20 25
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11 1 3/056/62/042/003/017/049 B102/B138 Investigation of the ... 175. For N¹⁴ this ratio is many times higher, being 1.90+0.07. This in-40 dicates that (f, pn) is the main reaction for N¹⁴, though its threshold is higher than that of (f, p) and (f, n). This fact is attributed to the low thresholds of emission of the valent nucleons from N^{13} and C^{13} . The yield of (f, pn 3x) reaction on N exceeds those for 0 and Ne by a factor of 3.5. It is attributed to the decay of a highly excited C^{12} nucleus due to a (f, pn) reaction. The yield of three-pronged Ne stars is also high due mainly to (f, px) reactions. Apparently the $N^{20}(f, px)N^{15}$ reaction 45 is the result of an α -emission of excited F¹⁹ produced in a (γ , p) reaction. The (γ , \prec) reactions were small for all nuclei. The cross sections have been measured separately for all reaction types. When these separate 50 values are summed up, the following is obtained for N¹⁴, O¹⁶ and Ne respoctively: \sum_{a_0} : 347, 438, 600 Mev.mb; $\sum_{a_{-1}}$: 12.5, 12.8, 18.0 mb; $\sigma_0 = 60(NZ/A)$, Mev.mb $\sigma_{-1} = 0.36A^{4/3}$ mb, and $\sigma_{-2} = 2.25A^{5/3}\mu b/Mev$ are, Card 2/4

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SILAYEVA, Ye. A.

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Hor., Chair Org. Chem. Moscow Pharmaceutical Inst., Min. Public Health, -1949-c50-. Hor., Lab. Physiological Chemistry, Dept. Biol. Sci., Acad. Sci., -c1949-c50-. "Study of the Properties of 1, 6-Diphosphate of Fructose," Dok. AN, 68, No. 1, 1949; "Some Properties of 1, 6-Diphosphate," Biokhim., 14, No. 6, 1949:

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Lescriles a new setted of eltaining sodium salt of I in Try form. Carried but a conjunctive study of cleavage of fructore and I. Tests conducted in Hysich Lab. Inst. f Lipche., Acad and bei, showed that I caused 43.77 core success contraction (in frage) them actylcholide above if successed to this treated with a solution of sodium of the four phase f glucoce or 1. Substituted by Acc. A. L. parin 8 Jul 49.

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APPROVED FOR RELEASE: 08/23/2000

SILAYEVA, Ye. A.

USSR/Medicine-Shock Therapy

1 Sep 50

"Treatment of Traumatic Shock in Animals With Fructose 1,6-Diphosphate," P.F. Minayev, B. N. Stepanenko, Ye. A. Silayeva, Lab Physiol Chem, Acad Sci USSR, Moscow Phar Inst

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"Dok Tk NaukSSSR" Vol LXXIV, No 1, pp 153-156

فإلختك سايك مك

Discusses results of 35 tests of treating traumatic shock in cats and dogs by introduction of fructose 1,6-diphosphate subocciphtally, (2-4 mg per kg of body wt), and intravenously and intra-arterially (2-2.5 mg per kg of body wt). Suboccipital introduction was highly effective in shock of light and medium severity, but only introduction into blood produced good therapeutic effect in cases of deep shock. Submitted 20 Jun 50

PA 174T36

APPROVED FOR RELEASE: 08/23/2000

KOZLOV, V.V.; SILAYEVA, Ye.A.

Anthraquinone series. Part 31: Sulfonic acids of transdibenzopyrenequinone. Zhur. ob. khim. 30 no.11:3766-3772 N'60. (MIRA 13:11)

1. Moskovskiy institut narodnogo khozyaystva imeni G.V.Plekhanova. (Dibenzopyrenequinone)

APPROVED FOR RELEASE: 08/23/2000



SILAYEVA, Yo.M.; NAUMOVA, O.A.; GINZBURG, Yo.G.

Role of the oxygen factor in preventing increased coagulability of the blood in experimentally induced nervous tension. Trudy Gos. nauch.-issl. psikhonevr. inst. no.24:61-65 '61. (MIRA 15:5)

1. Patofiziologicheskaya laboratoriya Gosudarstvennogo nauchnoissledovatel'skogo psikhonevrologicheskogo instituta imeni Bekhtereva. (STRESE (PHYSIOLOGY)) (BLOOD--COAGULATION)

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STLAYEVA, JE. V.

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26966 SYRCKCMSKIY, V. S., SILAYEVA, E. V., AVILOV, V. - Viyaniye Kompleksoobrazovaniya Na Velichinu Potentsiala Sistem, Imeyushchikh Analitichyeskoe Znachyeniye. Soobshch 4. Zavodskaya, 1949, No 8, S. 896-99

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S0: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

APPROVED FOR RELEASE: 08/23/2000

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STEPIN, V.V.; SILAYEVA, Ye.V.

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Gravimetric analysis of tungsten in concentrates and in steel alloys. Zav. lab. 21 no.2:149-151 '55. (HIRA 8:6)

1. Ural'skiy institut chernykh metallov. (Tungsten) (Metallurgical analysis)

APPROVED FOR RELEASE: 08/23/2000

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	130 (USSR)
$s = 5 \ge 0.4$	1959, Nr 15, y 25
	tunyy zhurnal. Knimige, the
Translation fr	rom: Referativnyy zhurnal. Khimiya, 1959, Nr 15, p 130 (USSR) Stepin, V.V. Pliss, A.M., Silayeva, Ye.V.
AUTHORS:	rom: Referativity Stepin, V.V. Pliss, A.M., Silayeva, Ye.V. Methods for Determining Admixtures in Vanadium Metal. Communication 1. Methods for Determining Admixtures in Vanadium Metal. Communication 1. Byul. nauchno-tekhn. inform. Ural'skiy ni. in-t chern. metallov, 1958, Byul. nauchno-tekhn. inform. III and I
s TITLE:	
h PERIODICAL:	NT 4)
ABSTRACT :	separation of V on a hor of the blue comparison of small quarter developed
	metal in the form of a H-cationite fille complex by bityl use quantities of T separation of V on a H-cationite fille complex by bityl use quantities of T of the method extraction of the blue complex by bityl use also been developed applied. The method permits the determination of small quantities of T with an error of $\pm 0.0005\%$. A photometric method has also been developed for determining Si in vanadium metal in the form of a blue silicon-molyb- denum complex with preliminary separation of V on a H-cationite filter. It has been established that for the preparation of the blue complex it is more expedient to apply Mohr's salt as a reducing agent; the error of determination is $\pm 0.0075\%$. The gravimetric method for determining Si in vanadium metal which is based on the separation of a gel of the silicit
	is more expedient to $15 \pm 0.0075\%$. The graving separation of a ger $1/1$
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SOV/32-24-8-7/43

	Stepin, V. V., Ponosov, V. I., S00/92224-0-1777
AUTHORJ-	Silayeva, Ye. V.
`⊇1TLE:	Silayeva, le. V. The Separation of Trace Amounts of Bismuth, Cobalt, Nickel, The Separation of Trace Amounts of Bismuth, Cobalt, Nickel, Phosphorus, Iron, and Copper Using Ionites (Otdeleniye malykh Phosphorus, Iron, and Copper Using Ionites (Otdeleniye malykh Phosphorus, Iron, and Copper Using Ionites (Otdeleniye malykh kolichestv vismuta, svintsa, kobal'ta, nikelya, fosfora, kolichestv vismuta, svintsa, kobal'ta, nikelya, fosfora, kolichestv spomoshch'yu ionitov) zhelcza i medi s pomoshch'yu ionitov
	1958, Vol. 24, Nr 8, pp. 934-930
PERIODICAL:	zhelcza i medro por Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 8, pp. 934-938 (USSR)
ABSTRACT:	(USSR) In this paper chromatographic methods are described for separating the above metals in the analysis of nickel and nickel alloys. The separation is based upon the difference in the stability of the complex compounds which these elements form in concentrated acid solutions. In 8n hydrochloric acid these complexes are adsorbed onto the anionite, and with subtese complexes are adsorbed onto the anionite, and with subtese complexes of cobalt, copper, and iron are destroyed and completely desorbed. Lead is desorbed with a 0.02n hydrochloric acid solution. To separate out phosphate ions "vofatit P" and anionite

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e Separation of Trace Amounts of Bismuth, SOV/32-24-8-7/43 Jobalt, Nickel, Phosphorus, Iron, and Copper Using Ionites

type. AN-2F and DM were used. The latter were used in the

Cl⁻ form, and the cationites were used in the H^+ form. An analytical procedure is given which employs data obtained by Nel'son and Krause (Ref 4) in their investigations on the degree of adsorption of lead, and which can be used for the determination of iron according to the ion exchange method of D.I. Ryabchikov and V.Ye. Bukhtiarov (Ref 9). The separation of the iron and copper fractions in the method just referred to was not successful, and the probable cause of this failure was the variable quality of the anionite used. Also mentioned are the attempts of Mur and Kraus (Ref 5) to selectively elute nickel, manganese, cobalt, copper, iron, and others, in this order, from the anionite. There are 5 figures, 6 tables, and 12 references, 10 of which are Soviet.

ASSOCIATION: Ural skip institut chernykb metallov (Ural Institute for Ferrous Metals)

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APPROVED FOR RELEASE: 08/23/2000

SILAYEVA, Ye.V.; KURBATOVA, V.I.

Determination of tin in ferromolybdenum. Zav. lab. 27 no. 12:1462-1464 '61. (MIRA 15:1)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov. (Tin-Analysis) (Molybdenum-iron alloys)

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SILAYEVA, Ye.V.; KURBATOVA, V.I.

Determination of antimony in ferromolybaenum, Zav.lab, 23 no.3:230-231 462. (MIRA 15:4)

1. Ural'skiy nauchno-issledovatel'skiy isstitut chernykh metallov. (Antimony--Analysis) (Molyidenum alloys)

APPROVED FOR RELEASE: 08/23/2000

"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550610002-1

STEPIN, Vasiliy Vasil'yevich; SILAYEVA, Yelizaveta Vasil'yevna; FLISS, Anastasiya Mikhaylovna; KURBATOVA, Vera Ivanovna; KRYUCHKOVA, Lidiya Merkur'yevna; PONOSOV, Vladimir Il'ich; DYMOV, A.M., doktor khim. nauk, prof., red.; FEDOROV, A.A., st. nauchn. sotr., red.: TKACHEUKO, N.S., inzh., red.; DCBRZHANSKIY, A.V., st. imah., red.; LEVIT, Ye.I., red.izdva; ISLENT'YEVA, P.G., tekhn. red.

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[Analysis of ferrous metals, alloys and manganese ores] Analiz chernykh metallov, splavov i margantsevykh rud. [By] V.V. Stepin i dr. Moskva, Metallurgizdat, 1964. 498 p. (MIRA 17:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Dymov, Fedorov, Tkachenko, Dobrzhanskiy).

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APPROVED FOR RELEASE: 08/23/2000

STEPHP, 7. 7.; UNLAYOVA, Ye.7.

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Review of the book "industrial analysis in metallurgy by P.Ia. Jakovlev and H.F. Jakovleva. Zhar. anal. khim. 19 no.12:1523-(MTRA 18:1) 15.24 144

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SILBER, Alois

Single purpose machines and automatic machines for production of mine detonators. Stroj vyr 10 no.8:389-390 '62.

1. Zavody Rijnove revoluce, n.p., Vsetin.

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2-Aminosolicylic acid. St. Secarcanu and Al. Silverg. Univ. Chin. Rumania, I. and Kep. Popular. Roudne, Bul. Steep A. 1, 750 (6) (1903) From the summary)...-A new process as given for the sumfacts of p-summasilevite acid in from a tolundue (II). If GR g and Eagle emert. If \$50, it from a tolundue (II). If GR g and Eagle emert. If \$50, it from a tolundue (II). The GR g and Eagle emert. If \$50, it from a tolundue (II). The GR g and Eagle emert. If \$50, it form a tolundue (II). The GR g and Eagle emert. If \$50, it form a tolundue (II) and the GR g and Habbalaetts the mixt pointed due the covertainty are full basic alded. the gravity pointed due the covertainty is in the form the form a north it is possible the X-AII basic alded. the form Habbalaetts of gives the X-AI dense GP on the from Habbalaetts (YA) and IZ g K-Mitty in 150 ml. Habadded, the mixt heated on a water bath until decolorized. but ml. 1% KMmO, added, the MmO, hitered off after N hisand the clear solid events to 500 ml., on cooling HCI (pt) about 7 gr 2.4-A. NH(4NNC)HACO,HI (V), in 230-27 (from H40). V in 40 ml. FOOI bolled with 3 ml context HSO, until the solid becomes red gives quantitatively on cooling the 2-H₀N analog (m. 2014). To 5 gr VI is added 5 ml. of couch, HSO, the mixt, coslect below 0°, treated after 5 mm, with 5 ml H₀O, stiered until the mixt, because pastelike, cosled, 2 g. NaNO, in 20 ml. HO added, any (pt. formed is filtered off, mixed with 5 ml H6O, added, any (pt. formed is filtered off, mixed with 5 ml H6O, added, any (pt. formed is filtered off, mixed with 5 ml H6O, added, any (pt. formed is filtered off, mixed with 5 ml H6O, added, any (pt. formed is filtered off, mixed with 5 ml H6O, added, any (pt. formed is filtered off, mixed with 5 ml H6O, added, any (pt. formed is filtered off, mixed with 5 ml H6O, added, any (pt. formed is filtered off, mixed with 5 ml H6O, added, any (pt. formed with 24 gr SoCL in 60 ml H6O is 0 ml HC1 mater and (VII), m. 255.0° (from dild. F1040-VII 60 g.) mixed with 12 gr SoCL in 60 ml H6O is 1 ml (model HC2, treated with 12 s with the troug kept const at 67, filtered, and 55 ml, const. HC1 added to the filter (ptf, 5 gr 11C1 (VIII), m. 250°, which yields 2, 1400-(ACN116)(4HC0)(11 (1K), m. 250°, which yields 2, 1400-(4MN16)(4HC0)(11 (1K), m. 250°), which yields 2, 1400-(4MN16)(4HC0)(11 (

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"APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550610002-1

PUMANIA / Chemical Technology. Chemical Products and H Their Applications. Pharmaceuticols. Vitamins. Antibiotics.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12793.

Author : Silberg, Al.; Tefaa, D.; Simitti, I.; Ujvaru, E. Inst : Not given.

Title : Production of 2-Chlor-T. B. 1 and 2-Chlornovccaine.

Crig Pub: Farmacia (Romin.), 1957, 6, No 6, 491-495.

Abstract: The principles and method used during synthesis of the substances mentioned from paranitrotoluene are presented. -- A. Vavilova.

Card 1/1

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Card : 2/6

1 0

SILBERG, Al.; Simiti, i.

Direct derivation of some heterocycles from phenyl tiosemicarbazide. Studii cerc chimie Cluj 10 no.2:313-317 • 59. (EEAI 9:9)

1. I.M.F. Cluj - Facultatea de farmacie, Catedra de chimie organica.

(Heterocyclic compounds) (Phenylthiosemicarbazide)

APPROVED FOR RELEASE: 08/23/2000

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SILBERG, A.; SIMITI, I.
Preparation and behavior of 2-hydroxy-4-mercapto-benshydrazide and of some of its derivatives. Studii cerc chimic Cluj 10 no.2: 319-327 'S'. (EEAI 9:9)
1. I.M.F. Cluj - Facultatea de farmacie, Catedra de chimie organica. (Mercaptobenzoic acid hydrazide) (Hydroxy compounds)

APPROVED FOR RELEASE: 08/23/2000

SILBERG, Al.; PROINCV, I.

***** 19 3

On some additions to isothiocyanates. III. Addition of aryl sulfonyl hydrazides to isothiocyanates, and preparation of some aryl sulfonyl hydrazones. Studii cerc chimie Cluj 10 no.2:329-334 '59. (EEAI 9:9)

1. I.M.F. Cluj - Facultatea de farmacie, Catedra de chimie organica.

(Isothiocyanates) (Aryl groups) (Sulfonyl group) (Hydrazides) (Hydrazones) (Thiosemicaxbazide)

APPROVED FOR RELEASE: 08/23/2000









SILBERG, A.; HAMBURG, Erica; FRENKEL, Z.; COI 10S, L.

Contributions to the study of thiaze les. Pt. 7. Rev chimie Roum 9 no.3:215-228 Mr 164.

1. Laboratory of Organic Chemistry, aculty of Chemistry, Babes-Bolyai University, Cluj.









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BODEA, C.; SILBERG, I.

Freparation of phenothiazine-5-oxides with the aid of the alkylhydroperoxides. Studii cerc chimie Cluj 14 no.2:317-320 '63.

1. Institute of Chemistry, Rumanian Academy, Cluj Branch. 2. Corresponding Member of the Rumanian Academy (for Bodea)

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"Or the Immanition and ferty a Properties of the Geleraerivatives of Benenc-s-Linulpboniae." (p. 1245)

20: Journal of General chericana (Laurnal obchehei Krimii) 1946, Volume 10, No. 12

BODEA, Cornel; SILBERG, Ican

Fhenothiazones. It.10. Rev chimie Roum 9 no.6/7:425-431 Je-J1 *64

1. Institute fo Chemistry of the Amanian Academy, Cluj Branch, 59-65 Donath St.

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Phenothiazone, Pt.10. Studii ce. chim 13 no.6/7:433-439 Je-J1 '64

1. Institute of Chemistry of the Rumanian Academy, Cluj Branch, 59-65 Donath St.

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BODEA, Cornel; LILBFRG, Ioan

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Free radicals of phenothiazine and related compounds. Ft.l. Studii cere chim 13 no.11:763-772 N '64.

1. Institute of Chemistry of the Rumanian Academy, Cluj, 59-65 Donath Street.

APPROVED FOR RELEASE: 08/23/2000

SILBERG, A.; SIMITI, I.; FARKAS, M.; SILBERG, S.; MANTSCH, H.

Contributions to the study of thiazoles. Rev chimie 7 no. 1: 513-519 ¹62.

1. Medizinisch-Pharmazeutisches Institut, Laboratorium fur organische Chemie der Fakultat fur Pharmazie, Cluj.

APPROVED FOR RELEASE: 08/23/2000

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"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550610002-1

USSR / General Biology. Physical and Chemical Biology. B-1. Abs Jour: Ref Zhur-Biol., No 18, 1958, 80916. : Strelin, G. S., Schmidt, N. K., Silibersen YH. General The Problem of Local Action of X-rays. : Not given. Author Orig Pub: V sb.: Vopr. radiobiologii, 1956, 151-158. Inst Abstract: Results were observed of the partial irradiation Title of Turbellaria, <u>Dendrocoelum</u> lactoum, and of Anof furbellaria, Denurocostum Lacosum, and of An-nelida, Lumbriculus variegatus, after drenching them alive with a 7,5-15% solution of gelatin. Selective irradiation Head Region (HR) and Tail region (TR) was attained by screening off the corresponding parts of the body by a laden plate. Turbellerie were invedicted by y Turbellaria were irradiated by X-rays in doses Turvellaria were irraulated by A-rays in doses of 2,500 to 5,000 h, 160 kv, 4 ma, without a fil-ter, the distance from the anode 23 cm, the pow-

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TOTAL STREET, A CONTRACTOR AND A CONTRACT OF A s/079/60/030/04/51/080 B001/B002 The Reaction Mechanism Between Nitriles, Carboxylic Acids, Sil'berman, Ye. N. AUTHOR : and Hydrogen Chloride at low Terperatures Zhurnal obshchey khimii, 1960, Vol. 30, No. 4, pp. 1277-1281 TITLE TEXT: The present paper deals with the reaction of chlorides of imonium TEAT: The present paper deals with the reaction of chiorides of imonit chlorides with carboxylic acid in organic solvents (Refs. 1-5). It was assumed that in the reaction under consideration, namely between nitriles, assumed that in the reaction under constantion, memory between histra carboxylic acids and HCl, the chlorides of imonium chlorides (I) which develop first, as a result of further bimolecular substitution, are converted into isoimide salts (II) of lower stability. Since these salts show a considerable acylation ability, they develop imonium hydrinchlorides (III) and acid anhydrides, if carboxylic acids are added. In a second reaction, acid chlorides may be obtained from acid anhydrides and HCl (Ref. 4); and also by acylation of hydrogen chloride with isoimide (Scheme (3)-(7)). For the confirmation of the assumed mechanism of the initial stage (Refs. 3,4), the conversion of acetic acid and adiponitrile was carried out in the pre-Card 1/3

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THOR: Silbornagol, Arnost	· · · · · · · · · · · · · · · · · · ·
: Rosoarch and Tosting Instituto	, MEKG, Ostrava (Vyzkumy a zkusebni ustav NHKG)
TILE: Problem of thermal equilibriu	um of stool casting forms
SOURCE: Hutnik, no. 4, 1966, 166-17	. L
	tal casting, rimmed steel, motal stress, plastic
was made. The calculation of side walls of the forms, using rod, indicated stresses exceed As the forms do not break duri assumes that the inner layer of casting, is in the region of p releases the compression stress parts that are under stress in of the ingot is the most impor rium. It is impossible to des	n forms for rimmed steel casting the tensional stresses in the out- the equation derived for a fixed ing the strength of the material. ng casting operations the author of the form walls, immediately after lastic deformation. This partially esses and also influences the tension. The cross-sectional shape tant factor of the thermal equilib- ign a thermally balanced form for ast be strengthened at the walls has: 17 figures, 8 formulas and 4 tables.

SILBERNAGEL, Josef

Our public phototelegraphic service. Cs spoje 7 no.1:10-11 Ja '62.

1. Pracovnik Ministerstva dopravy a spoju.





SILBERSDORFF, Laszlo

Rubber suspension for railroad vehicles. Kozleked tud sz 11 no.ll: 523-528 N '61.

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001550610002-1"



SILBERSKY, Rudolf, inz.

Arrangement of relay schemes in logical circuits with NOR members. Automatizace 6 no.9:213-218 S '63.

1. Konstrukta Trencin, n.p.

APPROVED FOR RELEASE: 08/23/2000

SILBERSTEIN, B., ing.

Causes of difficulties met during conveyance of paraffinous crude oil from Berca through pipelines. Petrol si gaze 14 no.2:87-91 F '63.

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. - - -TSITKIN, I.S., oblastnoy ortoped-travmatolog; SIL'BERSHTEYN, D.Z. na nga sangan nga sangang sang Experience in the prevention of accidents and the organisation of traumatologic first aid in the lumber industry of Svalyava. Ortop., (MIRA 10:6) travm. i protes. 18 no.1:50-52 Ja-F '57. 1. Zav. khirurgicheskim otdeleniyem Svalyavskoy raybol'nitay (Zakarpatskaya obl.) (for Sil'bershteyn) (WOUNDS AND INJURIES, prev. and control in lumber indust.) (INDUSTRIAL HYGINN prev. & control of inj. in lumber indust.) - 2

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COLUMN STREET, S

a	RUMANIA/Chemical Technology. Chemical Products H and Their Applications. Chemical Pro- cessing of Natural Gases and Petroleum. Motor and Rocket Fuels. Lubricants.		
Abs Jour	:	Ref Zhur-Khimiya, No 6, 1959, 20894	
Author	:	Silberstein, B.	
Inst Title	:	The Quality of Petroleum Residue for the Optimal System of the Thermal Cracking Process.	
Orig Pub	:	Petrol si gaze, 1957, 8, No 12, 623-633	
Abstract	:	The properties of the raw material which is used for cracking are examined. The physicochemical constants of the different hydrocarbons of petroleum and their group are cited, and the significance of specific weight and boiling temperature is especially	
Card	:	1/2	
	- 4 2.		

SILEERGTEIN, E.

An analyzing method in the selection of the crude oils suitable for the manufacture of partfin b means of filter press. p. 175.

FERTPOL OI GAZE. (Asociatia Stiinifica a Inginerilor si Technicienilor din komina di Ministerul Industriele Petrolului si Chimiel) Bucuresti, Rumania; Vol. 9, no. 4, Apr. 1958

Sept. Monthly List of East European Accordions (SEAI) LC Vol. 8, no. 9,/1959

Uncl.

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and annual sec. Destructure of a contractive state state

pricipant A digiteria presente presente a vity contraining presented as Estavia precovalkov v testilate pricipals Hygiene of the dusty atmosphere and its influence on the health of workers in the textile industry Pracovni Lekarstvi, Prague 1950, 2/1 (20-25)

The paper deals with the realts of an investigation of the working conditions and of the medical examination of employees in a textile plant. The dustiness of the atmosphere was 1,750 mil. parts/cu.m. Particles smaller than 5.44 numbered 10-560 mil. per cu.m.; in one workshop with no proper exhausting system 7/0 mil. per cu.m. Different types of raw cotton were examined bacteriologically for their content of allergens and histamine-like substances. Esch. coli, B. proteus, M. pyogenes aureus, and Aerobact. aerogenes were grown. Clinical examination revealed that only in men who had long been in this employment and were older than 30-40 years, were there to be found cases of chronic pronchitis, emphysema and bronchial asthma. The blood count showed leucocytosis and eosinophilia. Eosiniphils were also found in the sputa. Sensitivity tests with allergens obtained from raw cotton were negative except in one case. There were no other particular findings, even in a group of 800 jovenile workers.

Rejsek - Prague

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

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. SIL'CHENKO, A.D.

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Using the "Pendan" dosimeter. TSement 26 no.5:27-28 S-0 160. (MIRA 13:10) (Yenakiyevo--Cement plants--Equipment and supplies)

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"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001550610002-1

SIL'CHENKO, A.S.; AKSYUCHITS, P.I.

A combine of progress. Bum. prom. 36 no.9:15-17 5 '61. (MIRA 15:1) 1. Direktor Kotlasskogo tsellyulozno-bumazhnogo kombinata (for Sil'chenko). 2. Glavnyy inzh. Kotlasskogo tsellyulozno-bumazhnogo kombinata (for Aksyuchits). (Kotlas--Woodpulp industry)

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INTERNAL AND DECEMBER OF MERCHANISM IN THE SECOND STATEMENT OF THE

SIL'CHENKO, A.S.

Learning from experience. Bum. prom. 38 no.10:3 0 '63.

1. Direktor Kotlasskogo tsellyulozno-bumazhnogo kombinata.



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SILICHENKO, K.Ya.
Regulating effect of the central nervous system on the blood in man.
Zhur.vys.nerv.deiat. 4 no.4:482-493 Jl-4g '54. (NERA 8:3)
1. Kafedra propedertiki vmtrennikh bolesney Leningradekogo
geudarstrennogo pediatricheskogo meditsinskogo instituta.
(HTPERTENSION, therapy.
alegn ther.)
(SILMEP, therapeutic use.
hypertension)
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SIL'CHENKO, K.Ya., dotsent

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Treatment of cholelithiasis with an alcoholic infusion of barberry Jeaves. Vrach. delo no. 3:45-48 Mr '61. (MIRA 14:4)

l. Gospital'naya terapevticheskaya klinika (zav. - prof. K.A. Dryagin) Leningradskogo pediatricheskogo meditsinskogo instituta. (CALCULI, BILIARY) (BARBERRIES-THERAPETIC USE)

APPROVED FOR RELEASE: 08/23/2000

DRYAGEN, E.A., prof.; SIL'CHENKO, K.Yu., dotsent Treatment of chole systitis and postchole systectory diseases with barberry Choture and berberine culfate. Trudy LPMI 31 no.2148-54 163. (MIRA 17:10) l. Iz kafedry gospitalinoy terapii Leningradskogo pediatricheskogo meditsinskogo Instituta.



1

SIL'CHENKO, L.A., inzh.; MIKHAYLOV, N.V., doktor tekhn. nauk, prof.

. . .

Seasoning of lightweight and cellular concrete before heat and moist curing. Strci. mat. 11 no.1:10-12 Ja '65. (MIRA 18:6)

SIL'CHENKO, L. A.: Master Med Sci (diss) -- "Clinical and experimental observations of the effect of tropacine". Kuybyshev, 1958. 15 pp (Kuybyshev State Med Inst), 230 copies (KL, No 6, 1959, 146)