CONTRACT OF AN ADDRESS OF A DRIVEN OF A

56528

1.	KERZON, YA. S.
2.	USSR (600)
4.	Using K-17 glue in furniture production. Der. i lesokhim. prom 1 no Ag '52.
9.	Monthly List of Russian Accessions, Library of Congress. March 1953. Unclassified.
9920-99 <u>2</u> 9.	

1.	KERZON, Ya. S., Eng.; PEYCH, N. N.; TSAREV, B. S.
2.	USSR (600)
4.	Kilns
7.	Improving wood-drying kilns of antiquated construction. Der. i lesokhim. prom. 2, No. 3, 1953.
9.	Monthly List of Russian Accessions, Library of Congress, <u>June</u> 1953, Uncl.
	en e



•

KERZUM, P.A.

Dynamics of soil salinization and swamp formation in irrigated areas of Tajikistan. Trudy AN Tadzh.SSR 78:9-37 (MIRA 13:3)

(Tajikistan--Soils)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"

.

KERZUM, P.A. Regular features in the development of saline soils and methods of improving these soils. Trudy AN Tadsh.SSE 76: 89-171 '57. (MIRA 13:3) (Yakhsh Valley-Alkali lands) (Beclamation of land)

APPROVED FOR RELEASE: 09/17/2001

(aleksandra Semenouna) KES', A. S. 35828 Geomorfologicheskoye razdeleniye privolzhskoy vozvyshennosti I ego paleogeograficheskoye obosnovaniye. Trudy in-ta geografii (akad. nauk sssr), vyp. 431 1949, c. 60-77--Bibliogr: 14 nazv. Geomerphiloger & cleavage of Trivolghskilly elevation and The Pales geographical basis for it. Work of the Surt. of Geography, acad Sci. 455R, SO: Letopis' Zhurnal'nykh Statey, No. 495 1949

APPROVED FOR RELEASE: 09/17/2001

KESF, A. S. 21828. KEST, A. S. Nekotoryye Tipy Molodogo Erozionnogo Rel'efa Privolzhskoy Vozvyshennosti, Trudy Yubileynoy Sessii, Posvyashch. Stoletiya So Dyna Rozhđeniya Dokuchayeva. M. L., 1919, S. 512-20 SO: Letopis' No. 33, 1949

KES1, A.S.

USSR/Hydrography - Erosion Literature

Mar/Apr 50

"On S. S. Sobolev's Book, 'Development of Erosion Processes in the European USSR and the Fight Against Them,'" A. G. Doskach, A.S. Kes', Inst of Geog, Acad Sci USSR, 10 pp

"Iz Ak Nauk SSSR, Ser Geograf i Geofiz" Vol XIV, No 2

Very critically reviews subject book, in which erosion process is considered mainly from geomorphological viewpoint. Even from this standpoint, erosion process as discussed by Sobolev is detached from basic geographical laws and historical geographic connections. Sobolev's general theoretical geomorphological constructions are simplified and based on methodologically incorrect concept of cyclic "self-stopping of erosion processes.

FAL30147

APPROVED FOR RELEASE: 09/17/2001

21524

	· · · ·	
	USSR/Geophysics - Turkmenia Jan/Feb 52	
	"The Origin of Uzboy Valley," A. Kes', Inst of Geog, Acad Sci USSR	
	"Iz Ak Nauk SSSR, Ser Geog" No 1, pp 14-26	
	The projected main Turkmenian canal will pass through Uzboy Valley, crossing Kara-Kum deserts. Describes Uzboy, a half-dried river bed, stretch- ing from Sarykamysh Valley to Balkhan Bay of Cas- pian Sea; gives the history of its origin.	
-		2
	205T49	:
	· ·	, <i>.</i>

KEJI, A.	
Kars Kum	
Biography of Uzboy. The molod., No. 2, 1952	
Monthly List of Russian Accessions, Library of Congress, June 1952. U	holassified.

CIA-RDP86-00513R000721610008-6





- -	
USSR/ Geor	raphy - Goology
Card 1/1	Pub. 45 - 5/16
Authors	Tolstov, S. P.; Kest, A. S.; and Zhdanko, T. A.
Title	The history of the Sarikanish Lale in the Hiddle Ages
Periodical	Izv. AU SSSR. ser. geog. 1, 41-50, Jan-Fob 1954
Abstract	* The origin of Lake Sarikandsh is traced to the Pliocene Epoch at which time it was full of water and formed a large basin. During the first half of the Quarternary Period it became dry and in the second half of the same period it again filled with water due to the change in the course of the Amu-Darya River. In the 16th Century the level of the water began to sink, the water became salty and it finally dried out altorether. Fifteen Russian and USSR references (1879-1953). Maps; drawings.
Institution	
Submitted	

CIA-RDP86-00513R000721610008-6



APPROVED FOR RELEASE: 09/17/2001



. . .

4

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"

sov/26-58-1-18/36 Kes', A.S., Candidate of Geographical Sciences AUTHOR: Fluctuations in the Level of the Aral Sea (O kolebaniyakh TITLE: urovnya Aral'skogo morya) Priroda, 1958, Nr 1, pp 95-99 (USSR) PERIODICAL: The Aral Sea, receiving the largest rivers of Central Asia, ABSTRACT: the Amu-Dar'ya and the Syr-Dar'ya, has a very unstable level. The see basin is terracing and is covered with the shell deposits of small marine animals. According to L.S. Berg, the calculated and recorded difference in level between 1880 and now was about 8 m. This is traced back to climatic changes in the area of the Aral Sea itself and in the mountains, where the two rivers rise. According to A.L. Yanshin and S.P. Tolstov, similar maximum levels of the Aral Sea were reached in the third and at the beginning of the first millennium B.C. L.S. Berg and B.D. Zaykov contributed to the study of the Aral Sea's water conditions in the 18th, 19th and the Card 1/2

APPROVED FOR RELEASE: 09/17/2001

"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6 SOV/26-58-1-18/36 Fluctuations in the Level of the Aral Sea beginning of the 20th centuries. There are 2 photos, 1 chart, 1 diagram and 4 Soviet references. ASSOCIATION: Institut geografii AN SSSR, Moskva (Institute of Geography of the AS, USSR , Moscow) Card 2/2

															(Seried)	
		•••••	Ke	s' /	A	<u>.s.</u>]
		١	5	, L	Ĵ.	, ,		1 1	÷ \$			1	2	×2	\Box	
	4* 1 1	596/302		Action 1	geologiste, oncerned	teet at tree at 1, 1956			- main	3	دها د دار د در د در د در د د د د د د د د د د د د	- 1		۲ ۲	and the second	
		50	tannon Latratul Latratul		triate, social o	tory of the transmission o		- Institute of Geograph of Asrial Dotographs	на 1937		Academy prography prography prography program		for An Pulle	-Reserver	A TANA	
			thredomet 256 g. (26 Aart 2 Aart	h. Kd. 1 (ponditag) shufeban	otogram	the Labor saterial mos on A through (through	1112	Asrial 7	obrucher Lief Form	1 Beience construc	Mathoda, at Palso arogeolo atral 'ayy tave tuy tave tuy tave tuy tave tuy tave tuy tave tuy tave tuy	Leningr Fjilestic Vays of		A and the state		
		ECT-012	uogo aei ubrya 10 nufarunu 0045900	P. Miro	d for ph and for ph	Terror Torror Torror Torror Torror	tion: tion: tion: tion: tion: tion:	197 197 197	Mariya H V. A.	to be to the first of the first	Burvey the Berse sed on A fill [2sec Buttur Buttur Buttur Buttur Buttur			the dis.		
		Plain I 2004 I 2004 I 2004 ECFLOIPATION Abdenija sauk 6668. Laboratorija artuetodov	WY, Com B: Matarialy TII Yeseoyumogo methwdomiremongo soyenhohmire Do serve "ymain 25 moyubyn - 1 daubyn 1956 g. (Matariala of Us Til All-duid Thariaburhamiai Conference on Asrial Burweying, 25 Bornaber 1955 Moscow, Gosgooltenhisda, 1959. 30 p. 5,000 opties printed.	of Paliahing Ecuas: Y. G. Flater, Tech. M. Ourowi Miterial Candesion: J. G. Mall, Corresponding Manber, Acadary of Manese 1931, J. A. Lopecher, Y. P. Miroshulchenko (Resp. Mal), and J. T. Somnor.	DOG: This publication is intended for photogrammetriets, prographery, and other scientific and technical presenal of the astical photography.	whether must stars of the truncations of the laboratory of Arrial Burry Withold contrat the second part of material presented at the Th All-Julion Interdipartmental Conferences on Marial Burrying which took places in Lemingrad, Formber 25 through becauber 1, 1956. Articles there problem a balang the the accountion and upplication of Marial eurory methods in methods.		MARE O CONTENT: Organia, F. F. [Institut as goognetit AB ECC - Institute of Goognety Leadery of Science ECUE]. Application of Asrial Portographs to the Sendor Settist Constantiation of the Euryst Marenia Sepublic (Eurystation ACC)	Professional I. V. [Institut merilotomolacity isent V. A. Obrachews - Institute of Primitres Studies isent V. A. Obracher). Application of Astitut-Surrey Michaels to the Study of Bailed Forms in the Artes of Primisently Prosen Pressions.	", A. 5. [Institute of Goograph, Andary of Bulsties 1723], Upilifiance of Arrai Polograph, is the Beconstruction of Nuespeepupty of the Lows Amedian's Region	Example 1. I. (Indoratory of Aarial Burryy Mathod, Acadary of the sciences survey. Caratal Frahman of the Reart Fulospongraphy of the Batterne II. In the Caratal Sea (Based on Aarpeological Bauk) "Bottornity, M. V., and A. A. Regrebs and Y (Feastral Vay manubo- distribution for any provinter doctry listicity through a relation i batternicity mathor - Cantral Gottattice through articles for Anti-Darry Mathods to Freuperting and Exploring Althreat Material Deposite to Preuperting and Exploring Althreat Material Deposite	Lapecher, A. (Lemingradatiy gouny institut - Laningrad Institutes of Munical, Arroycophical Mainda and Thair Aphilanian to Geological Durwying and Propositing Schemmes May af Incrementing the Kfristensy of Buch Methoda	Jeifgeer, Y. A., and O. Y. Lungrupusae [All-duten Fruit for Aarial Geological Burnying]. Results of Applying Aarea guite Burny Date to Geological Kaptag of the USA	<pre>prominity L 0. [***********************************</pre>	The state of the s	-
		Ture I	Jaly YII Boysbry ardspart ar 1956)	r¥g aga√	ation to riber aci	the factor of th	tions. Pologics Junging Junging	ut roon ut roon (farm). Charmal	to the termination of term	of Bog Lal Proc	A A A A A A A A A A A A A A A A A A A	tical Mat total Mat and Prot thoda	Tung .	I Prosp	ine geolo Lintration Dology o	
		uit 6663.	The second secon	bing Ro Comis Ro USSN; A Bokniov	a public	Pode con	tratig	Turti Lurti Belence Files		attute of Aer	I. (Iak H). Cert P. C. Cert P. Cer	[Lening: Perophy Pruytag	Treytag	 [Vasso] betodz ophysics tomatri 		
•		1 5 1	V, ton V, LL V, LL V, LL V, LL V,	of Public Mitorial Ciences				i erecrano de la	Andra Contraction	A. S. [I. Mifeno Porogra	Mia, B. Born Pur Bully, K. Bully K. Crodyth Crodyth Crodyth Lerry J.	La Ar Ar al Ar atomi Br tenty of	K. A., Heil Bu			
		And	512 58 A	2		3 4 9 9 9 9 9 9	a e a g g g		A A A				The section of the se		toologies and tool	
	<u> </u>	A • •			·			; ;								
							57.6		T RELLEVING			·····				
					- Car 200											
117215-151	FINE ENGLISHED															
				· 49.		eters slove	प्रसादन्द्र स्थित स्थिति इ.स. १९४४	(ಕಳು) ಸಂಭಾನ		•	•		4. A. M. A.	ist deright s	(1)不同的目标	

SOV/10-59-5-3/25

AUTHOR: Kes', A.S.

TITLE:

The Relief Structure of the Loess Province of North

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya Geograficheskaya, 1959, Nr 5, pp 20-28 (USSR)

ABSTRACT: According to the author, the study of the relief of the Loess Province of North China proves the eolian origin of the soil composing the loess strata. The opinions of scientists on the origin of the loess relief are divided. One group of geologists find that the loess relief was formed as a result of an intensive disintegration of a primary, levelled relief of the plateau type. Other geologists think that the contemporary loess relief reflects the relief of ancient rocks because of its mantlelike occurrence. Both these viewpoints, says the author, are correct for certain very limited parts, but in the

APPROVED FOR RELEASE: 09/17/2001

ST WIND BEST

11月11月19日

SOV/10-59-5-3/25

The Relief Structure of the Loess Province of North China

regions with thick loess beds, the formation of the loess relief is governed by other regularities. The study of the cross-section of a loess stratum showed that these strata contain many levels of buried soils and carbonaceous concretions which proves the importance of soil-forming processes and of climatic changes in the formation of loess deposits. Mechanical composition of the loess formations is also variable. V.A. Obruchev and Chinese geologist Liu Tung-Shen state that the composition of all loess deposits become lighter when moving from the south and south-east to the north and the north-west. Mainly argilaceous loess is found in the south. When moving in the mentioned direction, the sandy part of loess increases constantly and in the northern Chin-Ling region, the strata are formed of sandy loess.According to both geologists, this phenomenon is explained by the action of winds which carry dust from the Central Asian deserts. At first the heavy fractions

Card 2/3

APPROVED FOR RELEASE: 09/17/2001

SOV/10-59-5-3/25

The Relief Structure of the Loess Province of North China

And a second contraction of the strength of the second seco

and sand drop out, then the sand is carried away into the south and southwest regions. Moreover, from aerial photographs, it can be seen that all ravines and smaller river valleys cut through the loess formations are orientated in the same direction, and that this direction strictly coincides with the direction of winds prevailing in the region. This important regularity was also observed in different parts of the USSR where loess for-mations occur, especially in the Fergana Valley. Thus, says the author, there can be no doubt about the eolian origin of the thinly-grained soil part of loess formations, though tectonic movements and erosion processes also played a certain role in shaping the relief of the loess deposits. There are 4 photographs, 1 set of diagrams, 1 map and 4 Soviet references.

REAL PROPERTY AND A DESCRIPTION OF A DES

ASSOCIATION: Institut geografii AN SSSR (Institute of Geography of the AS USSR) Card 3/3

APPROVED FOR RELEASE: 09/17/2001





CIA-RDP86-00513R000721610008-6

u tur di Biu Ishumka Shkaras Brazir Abbharabir kanadan u akawasan ar u u TOLSTOV, S.P.; KESL.A.S., kand.geograf.nauk; ITINA, M.A., kand.istor. nauk; ANDRIANOV, B.V., kand.istor.nauk; ZHDANKO, T.A., kand. istor.neuk; VISHNEVSKAYA, O.A., neuchnyy sotrudnik; VAKTURSKAYA, N.N., kand.istor.nauk. Prinimali uchastiye LEVINA, L.M., aspirantka; TRUDNOVSKAYA, S.A.; DAVIDOVICH, Ye.A., kand.istor. nauk: ANDRIANOV, B.V., red.izd-va; LEBEDEVA, L.A., tekhn.red. [The lower reaches of the Ann Darya, the Sarykamysh and the Usboy; history of their formation and settlement] Nizov'ia Amu-Der'i, Sarykamysh, Uzboi; istoriia formirovaniia i zaseleniia. Pod obshchei red. S.P.Tolstova. Moskva, 1960. 346 p. (Materialy (MIRA 14:2) Khorezmskoi ekspeditsii, no.3). 1. Akademiya nauk SSSR. Institut etnografii. 2. Chlen-korrespodent AN SSSR (for Tolstov). 3. Institut etnografii AN SSSR (for Levina). 4. Akademiya nauk Tadzhikakoy SSR (for Davidovich). (Amu Darya Valley)

APPROVED FOR RELEASE: 09/17/2001





KES, A.S.

"The conditions of the repartition of the habitat of ancient man in the deserts of Central Soviet Asia."

Report Submitted to the IGU Arid Zone Commission Colloquium, Iraklion, Greece, 19-26 Sep 1962.

APPROVED FOR RELEASE: 09/17/2001

是不是認識問題 [2]

CIA-RDP86-00513R000721610008-6"



KES', A.S. Conference on the comprehensive development of land and vater resources in the republics of Central Asia and southern Kazakhstan. Izv. AN SSSR. Ser. geog. no.5:190-196 S-0 '62. (MIRA 15:10) (Soviet Central Asia-Water resources development) (Kazakhstan-Water resources development)

APPROVED FOR RELEASE: 09/17/2001

KES!, A.S.; TIMOSHAINA, V.A.

Scientific technological conference on the discussion of a general plan for comprehensive utilization and conservation of the water resources of Central Asia. Izv. AN SSER. Ser. geog. no.5:145-149 (MIRA 18:10) S-0 165.

APPROVED FOR RELEASE: 09/17/2001

.

Pitt

GELLER, S.YU.; GERASIMOV, I.P.; KAMANIN, L.G.; KES', A.S.; KINITSYN, L.F.; MURZAYEV, E.M.; NITSHTAUT, M.I.; MEFED'IEVA, IO.A.; NIKOL'SKAYA, V.V.; PREOBRAZHENSKIY, V.S.; RIKHTER, G.D.; ROSSOLIMO, L.L.; SIL VESTROV, S.I.

David L'vovich Armand's 60th birthday (1905-). Isv. AN SSSR. Ser. geog. no.6:141-142 N-D '65. (MIRA 18:11)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"

١

YEMEL'YANENKO, O.V.; KESAMANLY, F.P.; NASLEDOV, D.N.

Thermomagnetic Nernst-Ettinghausen effects in degenerated indium antimonide. Fiz.tver.tela 4 no.2:546-548 F '62. (MIRA 15:2) 1. Fiziko-tekhnicheskiy institut imeni A.F. Ioffe AN SSSR, Leningrad i Institut fiziki AN AzSSR, Baku. (Thermomagnetism) (Indium antimonide)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"





•

							<u>99</u>
L 10767- EEC(b)-2		IT(1)/EWP(q)/EWI D-3Pi-4D/J	r(m)/BDS/ IG			······································	
ACCESSIO	n nr: Ap3003	214		8/0181/63/005		~	
AUTHOR:	Goryunova, N.	A.; Kesenanly	F. P. J Oc	manov, E. O.	73		
TITLE: 1	Preparation a	d certain prope	erties of si	ngle-crystal s		CaceAs,	3
SOURCE:	Fizika tverd	ogo tela, v. 5,	no. 7, 1963	, 2031-2032	í		
electric		single crystale , carriers, elec ;					
fied meti- ture of o c/a = 1.8 471 ± 10 measureme- resistand holes and persture	hod, and their chalcopyrite v 8875 Å, all ± kg/mm ² . The ents were carried ce contacts we d electrons in were 20 to 25	tal specimens of properties have with the paramet 0.0005 Å. It m forbidden energy ied out with par pre realized by semples with a i and 800 to 100 mple at 300K was	re been stud ers a = 5.9 elts at 655 y gap at 30 ralkleppedal indium elec a carrier de 00 cm ² /vsec,	ied. The composite 427 Å, b = 11.3 C and has a mid OK is 0.53 ev. specimens (1 trodes. The He nsity of 10^{17} or respectively.	ound has the 2172 Å, and crohardness Electrical x 3 x 10 mm all mobiliti cm ⁻³ at room The therro	struc- of); low- es of tem- electric	
Card 1/2		,	-				
	1996年1997年1998年		I NEIHENNEN OF	nde folgen i stande og som senerge	an antai anna ann a' Stata Maile	后 ^{""} ""她说,必知道是我说这些道。"[1]	E PREPARENTE

8%

· :	L 10767-63 ACCESSION NR: AP3003914 the effective mass of electrons (m^*) was evaluated as about 0.27 m ₀ . In view of the low value of m*, it can be assumed that the value obtained for the electron mobility is considerably lower than the possible value. This phenomenon can be associated with the presence of a great amount of compensated impurities. Com- pound CdGeAs ₂ is being studied in more detail. "The authors thank T. N. Mamontova and A. A. Veypolin for their assistance in determining the forbidden energy gap and identity period and D. N. Nasledov for his interest in and at-	
	tention to the study." ASSOCIATION: Fiziko-tekhnicheskiy instut im. A. F. Ioffe AN SSSR, Leningrad (Physicotechnical Institute AN SSSR) SUBMITTED: 14Mar63 DATE ACQ: 15Aug63 ENCL: 00	
-	SUB CODE: 00 NO REF SOV: 003 OTHER: 003	· · · · · · · · · · · · · · · · · · ·
	Card 2/2	
Ner:		

CIA-RDP86-00513R000721610008-6

ACCESSION NR: AP4011746

s/0181/64/006/001/0113/0115

AUTHORS: Goryunova, N. A.; Kesamanly*, F. P.; Nasledov, D. N.; Rud', Yu. V.

TITLE: Electrical properties of p-ZnSnAs sub 2 crystals

SOURCE: Fizika tverdogo tela, v. 6, no. 1, 1964, 113-115

TOPIC TAGS: p-ZnSnAs sub 2 crystal, electrical property, chalcopyrite structure, Hall constant, specific conductivity, vacancy

ABSTRACT: The present work is a continuation of two other works (N. A. Goryunova, S. Mamayev and V. D. Prochukhan. DAN SSSR, 142, 623, 1962) and (F. M. Gashimzade. Izv. AN Azerb. SSR, ser. fiz. mat., 3, 67, 1963). It represents a study of electrical properties exhibited by ZnSnAs₂ single crystals. To resolve the contradictions pertaining to this substance, the authors carried out an x-ray analysis of crystals and proved their structure to be of chalcopyrite type with parameters: $a = 5.8515 \pm$ 0.0005 Å, $c = 11.703 \pm 0.001$ Å. Samples used in this work were parallelepipeds $1.5 \times 3.5 \times 12 \text{ km}^3$ cut from single crystals. They were tested for specific conductivity \mathcal{S} and for Hall constant R. Measurements were taken in direct current in a constant magnetic field. The study brought out the fact that this material exhibits

Card 1/2

TEMSORE TO THE

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"
"APPROVED FOR RELEASE: 09/17/2001

ACCESSION NR: AP4011746

inclusion conductivity throughout the whole range of temperatures tested. Between 150-200K there appears a pronounced maximum on the R - Temperature curve. The authors believe that this maximum can be explained with the help of a two-zone model. It is believed that quantitative determination of the valence zone structure in crystals of ZnSnAs₂ will require a complex investigation of the kinetic effects in crystals with various concentrations of vacancies. This will call for a study of R and δ at low temperatures (2-78K). The authors thank A. A. Vaypolin and T. S. Lagunova for their help in obtaining quantitative data, and F. M. Gashimzade and 0. V. Yemel'yanenko for their evaluation of the work. Orig. art. has: 2 graphs.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR, Leningrad (Physical and Technical Institute, AN SSSR); Institut fiziki AN AzerbSSR, Baku (Institute of Physics, AN AzerbSSR)

SUBMITTED:	12Ju163	DATE ACQ: 14Feb64	ENCL: 00
SUB CODE:	PH	NO REF SOV: 006	
· • • 2/2			
Card 2/2			

"APPROVED FOR RELEASE: 09/17/2001

ACCESSIC! NR: AP4011750

s/0181/64/006/001/0134/0140

AUTHORS: Kesamunly*, F. P.; Kloty*n'sh, E. E.; Vel'tsev, Yu. V.; Nasledov, D. N.; Ukhanov, Yu. I.

TITLE: Nernst-Ettinghausen and Faraday effects in indium phosphide

SCHECE: Fizika twordogo tela, v. 6, no. 1, 1964, 134-140

TOPIC TAGS: Nernst Ettinghausen effect, effective electron mass, indium phosphide, Hall constant, specific electrical conductivity, differential thermal emf, optical absorption, polarization, polarization rotation

ARSTRACT: J. order to obtain supplementary information on the mechanism of electron scattering and the dependence of the effective electron mass on temperature, the authors investigated, in large crystalline samples of indium phosphide, the temperature dependence of the Hall constant, the specific electrical conductivity, the resistance changes in a magnetic field, the differential thermoelectromotive force, the transverse Normst-Ettinghausen. effect, the optical absorption, and the rotation of the polarization plane for infrared light in a magnetic field. The results are summarized in Figs. 1-6 of the Enclosures. The authors found that in samples with on electron concentration of 8.2.1010cm⁻³ and a depression of temperature below 200K

Card 1/10/

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

bly. At low temperatures With increase in temperatu The effective mass of the	change in resistance in a magnetic fiel the scattering of electrons takes plac are, electron scattering by lattice vib electrons at room temperature is 0.066 Orig. art. has: 6 figures and 1 formul	ce by impurity ions. rotions increases. ± 0.003 times the	
	nicheskiy institut im. A. F. Ioffe AN S nstitute AN SSSR); Fizicheskiy institut rb. SSR)		•
=			
UBMITTED: 17Ju163	DATE ACQ: 11F3564	ENCL: 08	:
· .	DATE ACQ: 12F9564 NO REF SOV: 009	ENCL: 08 OTHER: 013	
UBMITTED: 17Jul63			

KESAMANLY, F.P.; KLOTYN'SH, E.E.; LAGUNOVA, T.S.; NASLEDOV, D.N.

Impurity band in n-InP crystals. Fiz. tver. tela 6 no.3:958-960 Mr 164. (MIRA 17:4)

1. Fiziko-tekhnicheskiy institut imeni A.F.Ioffe AN SSSR, Leningrad i Institut fiziki AN Azerbaydzhanskoy SSR, Baku.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"

ACCESSION NR: AP4041731 AUTHORS: Kesamanly*, F. P.; Nasledov, D. N.; Rud', Yu. V. TITLE: Thermal emf and transverse Nernst-Ettingshausen effect in p-ZnSnAs ₂ crystals SOURCE: Fizika tverdogo tela, v. 6, no. 7, 1964, 2187-2190 TOPIC TAGS: thermal emf, Nernst Ettingshausen effect, Hall constant, p band, transport property, conductivity ABSTRACT: In order to investigate transport effects in crystals with different carrier densities, the authors doped crystals with differ- ent impurities and, by using heat treatment in some cases, obtained AnSnAs ₂ crystals with hole density from 10 ¹⁸ to 10 ²⁰ cm ⁻³ . No n- type crystals were obtained as yet. Single-crystal specimens are transparent for wavelengths 1.53 μ, but no waves could be trans- Cord 1/5			u8	- d date and a second second	* Town and the
TITLE: Thermal emf and transverse Nernst-Ettingshausen effect in p-ZnSnAs ₂ crystals SOURCE: Fizika tverdogo tela, v. 6, no. 7, 1964, 2187-2190 TOPIC TAGS: thermal emf, Nernst Ettingshausen effect, Hall constant, p band, transport property, conductivity ABSTRACT: In order to investigate transport effects in crystals with different carrier densities, the authors doped crystals with differ- ent impurities and, by using heat treatment in some cases, obtained AnSnAs ₂ crystals with hole density from 10^{18} to 10^{20} cm ⁻³ . No n- type crystals were obtained as yet. Single-crystal specimens are transparent for wavelengths 1.53 μ , but no waves could be trans-	ACCESSION N	R: AP4041731	s/0181/64/0	06/007/2187/2190)
p-ZnSnAs ₂ crystals SOURCE: Fizika tverdogo tela, v. 6, no. 7, 1964, 2187-2190 TOPIC TAGS: thermal emf. Nernst Ettingshausen effect. Hall constant, p band, transport property, conductivity ABSTRACT: In order to investigate transport effects in crystals with different carrier densities, the authors doped crystals with differ- ent impurities and, by using heat treatment in some cases, obtained AnSnAs ₂ crystals with hole density from 10^{18} to 10^{20} cm ⁻³ . No n- type crystals were obtained as yet. Single-crystal specimens are transparent for wavelengths 1.53 μ , but no waves could be trans-	AUTHORS: K	esamanly*, F. P.; Na	sledov, D. N.; Rud',	Yu. V.	
TOPIC TAGS: thermal emf, Nernst Ettingshausen effect, Hall constant, p band, transport property, conductivity ABSTRACT: In order to investigate transport effects in crystals with different carrier densities, the authors doped crystals with differ- ent impurities and, by using heat treatment in some cases, obtained AnSnAs ₂ crystals with hole density from 10^{18} to 10^{20} cm ⁻³ . No n- type crystals were obtained as yet. Single-crystal specimens are transparent for wavelengths 1.53 μ , but no waves could be trans-	a contract of the second s		rse Nernst-Ettingsha	ausen effect in	
p band, transport property, conductivity ABSTRACT: In order to investigate transport effects in crystals with different carrier densities, the authors doped crystals with differ- ent impurities and, by using heat treatment in some cases, obtained AnSnAs ₂ crystals with hole density from 10^{18} to 10^{20} cm ⁻³ . No n- type crystals were obtained as yet. Single-crystal specimens are transparent for wavelengths 1.53 μ , but no waves could be trans-	SOURCE: Fi	zika tverdogo tela, .	v. 6, no. 7, 1964, 2	2187-2190	
different carrier densities, the authors doped crystals with differ- ent impurities and, by using heat treatment in some cases, obtained $AnSnAs_2$ crystals with hole density from 10^{18} to 10^{20} cm ⁻³ . No n- type crystals were obtained as yet. Single-crystal specimens are transparent for wavelengths 1.53 μ , but no waves could be trans-				ect, Hall constar	nt,
type crystals were obtained as yet. Single-crystal specimens are transparent for wavelengths 1.53 μ , but no waves could be trans-	different c ent impurit	arrier densities, th ies and, by using he	e authors doped crys at treatment in some	stals with differ s cases, obtained	r-
transparent for wavelengths 1.53 μ , but no waves could be trans-	AnSnAs cry	stals with hole dens	ity from 10 ⁻⁰ to 10 ⁻⁰	cm No n-	i i
Cord 1 1/5					• .
	Card 1/5	والمحمد والمحمود والمحمود والمحمد والم			
	•			• • • • • •	· · · · · · · · · · · · · · · · · · ·
	an an a suan an Million ann an Suair an Suair ann an Suair ann an Suair ann an Suair an Suair Suair Suair Suai				

ACCESSION NR: AP4041731

mitted through polycrystalline specimens. The temperature dependences of the specific conductivity $\sigma(T)$, the Hall constants R(T), and the transverse Nernst-Ettingshausen effect $Q^{\perp}(T)$, and also the differential thermal emf $\alpha(T)$, were measured simultaneously in the interval 90--750K using an instrument described elsewhere (FTT, v. 6, 113, 1964). Tests have shown that the larger the density of the holes in the sample, the lower the $Q^{\perp}(T)$ curve and the later the mixed conductivity sets in. The maximum on the R(T) curve decreases in absolute magnitude with increasing concentration, and the point at which R reaches a maximum, together with the point of reversal of the sign of R, shifts towards higher temperatures. The width of the forbidden band was found to be 0.89 eV, in qualitatively good agreement with the data obtained from the edge of the intrinsic ab-The data measured in this experiment make it possible, in sorption. the case of a semiconductor with simple structure of allowed bands, to determine such parameters as the density and effective mass of the carriers, and also the scattering parameter. The effective mass Card 2/5

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

			······				
•	• •			· ·		ant Said Stor	<u></u>
نەرىلەتتەرىپ م	ACCESSION NR:	AP4041731					-
	of the holes d_{0} , where m_{0} - and 1 table.	determined in t mass of the	this experimen free electron	t was on the a . Orig. art.	verage (has: 2 f).13 Eigures	1
	ASSOCIATION: Leningrad (Phy	Fiziko-tekhnid vsicotechnical Baku (Institu	Institute, AN	SSSR); Instit	ut fizi}		•
	SUBMITTED: 04	4Feb64	e a 11 1		ENCL:	02	, 1
	SUB CODE: SS,	EC'	NR REF SOV:	004	OTHER:	002	
					•		:
n							
	Card 3/5		a an				
	• • • •					13-14YA	
				an in an indiana an indi		NA DARIANAS	A RANKER

"APPROVED FOR RELEASE: 09/17/2001

6

CIA-RDP86-00513R000721610008-6



(Surial &) /EWT (m) /T /EWP (=) /EWP (a) /EWA(h) Pz-6/Peb IJP(c)/SSD/
·

"APPROVED FOR RELEASE: 09/17/2001





计出并存在

ETARBERTS AND THE PARTY OF

٠.

•		8/0048/64/028/006/1085/1089
ACCESSION NR: AP4041383		
AUTHOR: Vaypolin, A.A.; Gashi		.; Kesamanly ,F.P.; Osmanov, ' mathematical sciences)
TITLE: Investigation of the of some ternary semiconductor	physical-chemical and el or compounds of the A ^{II} BIV punds held in Kishinev 16	C2 type /Report, Third Confe- to 21 Sep 19637
AN COOR TRUGELIVE.	Seriya fizicheskaya, v.20	8, no.0, 1804, 1000 -00-
TOPIC TAGS: semiconductor,	electric conductivity, Ha ound, carrier mobility	11 effect, crystal bildet ,
ABSTRACT: Single crystals properties wore investigate thod of synthesis is not de single crystals with the ch	of the following semicond d: CdGeAs ₂ , ZnSiAs ₂ , CdSi scribed. X-ray diffractio alcopyrite structure. The and the lattice parameter	uctors were obtained and their P2, ZnSnAs2 and ZnSiP2. The me- on showed the specimens to be crystallography of these mate- ers, density, hardness and melt- stals of CdGeAs2 were obtained. arsenides, and only n-type in
Only p-type conductivity Card 1/3		
Comments and the second s		

Ň

'APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6

ACCESSION NR: AP4041383

ZnSiP2. Results of conductivity and Hall coefficient measurements over the tempera ture range from 90 to 600°K are presented graphically for an n-type CdGeAs₂ crystal, a p-type CdGeAs₂ crystal, and several ZnSnAs₂ crystals with different but unspecified impurity contents. The Hall coefficient of the n-type CdGeAs2 was independent of temperature, and the conductivity increased with increasing temperature above about 150°K. The concentration of conduction electrons was approximately 10^{17} cm⁻³ and their mobility was 10^3 cm²/Vsec. With the aid of thermoelectric measurements, the effective mass was estimated to be 0.027 electron masses. The Hall coefficient of the p-type CdGeAs₂ decreased rapidly with increasing temperature above 200°K and changed sign at 520°K. Neither the conductivity nor the Hall coefficient of the Zn-SnAs2 crystals varied greatly with temperature. The Hall coefficient exhibited a maximum at about 200°K which became less pronounced and shifted toward higher temperatures with increasing impurity content. This is ascribed to conduction in the impurity band. The band structure of the materials is discussed. The effective masses of the carriers in the conduction band and the V_2 and V_3 valence bands were calculated, and these and the gap energy are tabulated. All these quantities increased with decreasing molecular weight. The energy gap ranged from 0.53 to 2.5 eV, and the effective masses from 0.020 to 0.096, 0.035 to 0.19, and 0.12 to 0.49 electron masses for the C, V2 and V3 bands, respectively. Orig.art.has: 1 formula, 6

Card 2/2

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6



APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"







APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"



APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"





APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"







"APPROVED FOR RELEASE: 09/17/2001	CIA-RDP86-00513R000721610008-6

	X.F.P.; KHIITCHU, S.G.; RUD', Yu.V.; SOBOLEV, V.V.; SYREU, N.N. Energy band surveture in cirtain crystals of the AIBLVCV2 group. Dok1. AN 35 R 163 no.4:868-869 Ag 165.
	(MIRA 18:8) Frikko-tekhnicheskiy institut im. A.F. Koffe AN SSSR i Institut Frikladnoy fiziki AN Meldavskoy SSR. Submitted Junuary 21, 1965.
andasinteration of the theory of the	

 11日本にはなったないから、「おくちない」は、「いい」「シーン」「シーン」で、「シーン」が、「お子子のからのなりがないないないでのない。
S. V. (Slobodchikov, S. V.) 94,55 TITLE:Electrical and photoelectric properties of ZnSiP ₂ SOURCE: Ukrayins kyy/fizychnyy zhurnal, v. 10, no. 8, 1965, 867-872 TOPIC TAGS: electric conductivity, Hall constant, photoconductivity, zinc compound, temperature dependence, forbidden band ABSTRACT: The temperature dependence of the electric conductivity, the Hall constant in the temperature range 80670K, and the <u>photoconductivity</u> (its spectral distribu- tion, dependence on the electric field, intensity of illumination, and temperature in
in the temperature range 80670K, and the photoconductivity (its spectral distribu- tion, dependence on the electric field, intensity of illumination, and temperature in the range 80295K) were studied in n-type ZnSiP_2 crystals. The average size of the crystals was 8 x 1.5 x 0.3 mm. The investigated samples had an electron concentra- tion of 12 x 1017 cm ⁻³ and a Hall mobility of 70100 cm ⁻ /v-sec. The Hall and conductivity measurements were carried out with dc current with the aid of an ordinary by a compensation method utilizing unmodulated constant radiation. A type M 195/3 galvanometer was used to register the signal. The electric conductivity decreased sharply and the Hall constant increased sharply with decreasing temperature. This,
Card 1/2

e .

ACC NR: AP5020691		5)
pensation. The Hall electron mobility changes between 350 and	670K like T ⁻¹ .	On
lowering the temperature the mobility increases sharply. The i the donor impurities was found to be 0.08 ev. Intrinsic photoe	onductivity wa	s found
to predominate at all investigated temperatures. Its maximum i short-wavelength side with decreasing temperature. The width o	s shifted to t f the forbidde	he n band.
its variation with temperature, and the coefficient dependence	of the photoco	nduct-
ivity on the electric field is linear up to fields of 20 v/cm w ly becomes appreciable. At room temperature an acceptor level	has been noted	at
0.32 ev above the valence band. The activation energies of the levels were also determined from the temperature dependence of	donor and acc	eptor
Large relaxation times of the photoconductivity have been obser	ved. An energ	y level
diagram of the impurity transitions is proposed. "In conclusic their gratitude to Professor D. M. Naslyedov for support and di	n the authors scussion of th	express e work."
Orig. art. has: 5 figures.		
ASSOCIATION: Kyyivs'kyy pedinstytut im. 0. M. Hor'koho [Kiyevs institut im. A. M. Cor'kogn] Kiev Pedagogical Instituté	kiy pedagogich	eskiy
institut im. A. M. Gor'kogo] Kiev Pedagogical Institute		
institut im. A. M. Gor'kogo] Kiev Pedagogical Institute	kiy pedagogich SUB CODE: SS,	
institut im. A. M. Gor'kogo] Kiev Pedagogical Institute		
institut im. A. M. Gor'kogo] <u>Kiev Pedagogical Institut</u> SUBMITTED: 19Sep64 NR REF SOV: 007 OTHER: 004		
institut im. A. M. Gor'kogo] <u>Kiev Pedagogical Institut</u> SUBMITTED: 19Sep64 ENCL: 00		
institut im. A. M. Gor'kogo] <u>Kiev Pedagogical Institut</u> SUBMITTED: 19Sep64 NR REF SOV: 007 OTHER: 004		

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"

122-912-075

L 15157-66 ENT(1)/ENP(a)/ENT(m)/ENP(b) WH ACC NR: AP6002028 SOURCE CODE: UR/0185/65/010/012/1349/1353
AUTHORS: <u>Vovtsekhivs'kyy</u> , O. V. (Voytsekhovskiy, A. V.); Kesamanly, & F. P.; Rud', Yu. V.; Mityur'ov, V. K. (Mityurev, V. K.)
ORG: <u>Kiev Pedagogical Institute im. O. M. Gor[®]kiy</u> (Kyyivs [®] kyy pedinsty- tut)
21, 44, 55 TITLE: <u>Transport effects</u> in InAs-CdTe and InAs-ZnTe alloys $\overrightarrow{r1}$ $\overrightarrow{r1}$ $\overrightarrow{r1}$ $\overrightarrow{r1}$ $\overrightarrow{r1}$ $\overrightarrow{r1}$ $\overrightarrow{r1}$ $\overrightarrow{r1}$ $\overrightarrow{r1}$ $\overrightarrow{r1}$
SOURCE: Ukrayins [*] kyy fizichnyy zhurnal, v. 10, no. 12, 1965, 1349-1353 TOPIC TAGS: indium alloy, electric conductivity, Hall constant,
thermoelectric power, heat conduction, electron mobility, electric measurement
ABSTRACT: Samples of various compositions of the InAs-CdTe and InAs- ZnTe alloys were prepared by melting the constituent materials of pur- ity no worse than 99.999% in <u>quartz</u> ampoules, using vibrational mixing After zone recrystallization, the samples were coarse-grained. The
electrical measurements were carried out on right parallelepipeds cut from ingots with mean dimensions of 1.0 x 3.0 x 12.0 mm with ohmic electrodes of mure indium. Measurements were made of the electrical
conductivity, the Hall constants, the Nernst-Ettingshausen effect over a temperature range of 800600K, the differential thermal emf, the co- efficient of thermal conductivity, and the transmission spectrum at
Card 1/2

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6



APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

L 2373-66 $EWT(1)/T$ $LJP(c)$ GG
ACCESSION NR: AP5020827 44,55 VIL 25 UR/0020/65/163/004/0868/0869
AUTHORS: Kesamanly, F. P.; Kroitoru, S. G.; Rud', Yu. V.; Sobolev, V. V.; Syrbu,
N. N. TITLE: The energy band structure in crystals of the group $A^{ii}B^{iv}C_2^v$
TITLE: The energy band scrubbure in crystars of the graph K is c2
SOURCE: AH SSSR. Doklady, v. 163, no. 4, 1965, 060-069
TOPIC TAGS: semiconductor, zing compound, conduction band, Buillouin zone
TOPIC TAGS: semiconductor, zine compound, conduction band, Brillouin zone
ABSTRACT: Investigations were made of the energy structure in minerals having the
structure of chalcopyrite. The lowest conduction band is simple, and the highest valence band is triple. This paper examines the reflection spectra of ZnSnAs ₂ ,
ZnSiP ₂ , and ZnSiAs ₂ in the region of 1-6 ev and at 293K. The spectral distribution
of reflectivity showed two intense maximums for each crystal: at 265 and 600 m μ for the first, 280 and 330 m μ for the second, and 275-295 and 370 m μ for the third. The peak at 600 m μ for ZnSnAs, has a doublet structure with two maximums at 550 and
650 m μ . Spin orbit splitting for ZnSnAs ₂ proved to be 5-10 times that for the
other two. Because of the width of the peaks, doublet structure of a long-wave maximum was not observed in the reflectivity curves of the last two crystals. In Cord 1/2

2373-66 CCESSION NR	AP50	20827		-10			,			·1
	-	·							9	
eneral char he reflecti oints in th	vity spa a Brilla	ouin zo	ne ana	to all logous	owed orc to point	ss-over in s L and X	terzonal · in crvata	transition	e at	
and A ¹¹¹	B ^V . The	e great	gener	al and o	detailed	similarit	y in refle	ectivity s	peotra	
f the teste	d crysta	als to	the gro	ouns A [⊥]	$^{\vee}$ and A^{\perp}	¹¹ B ^V stron	vovorus víz	ta a maa	+	
imilonite t	n atmid	huno of	the e			`				. i
the mound			ណាច នា	iergy b	ands and	the nature	e oi the (phemical b	onds of	° 1
oth groups.	The a	authors	expres	ss thei:	r thanka	to Profess	or D. N.	Negladow	for his	3
upport of t	he prese	ent wor	expres k." On	ig. ar	r thanks t. has:	to Profess 2 figures s	or D. N. and 1 tabl	Nasledov :	for his	3
upport of t	he prese Fiziko	ent worl	expres k." On icheski	ig. ar	r thanks t. has: itut im.	to Profess 2 figures s	or D. N.	Nasledov :	for his	3
imilarity i oth groups. upport of t SSOCIATION: <u>Physical an</u> iziki, Akad	Fiziko d Techni	ent wor -tekhn: cal Tr	expres k." On icheski	ig. ar	r thanks t. has: itut im.	to Profess 2 figures s A. F. Iofi	or D. N. and 1 tabl	Nasledov le. 49,32	for his	3
upport of t SSOCIATION: Physical an iziki, Akad	he prese Fiziko d Techni emii nau	ent wor -tekhn: cal Tr	expres k." On icheski	ig. ar	r thanks t. has: itut im. emy of S f Applie	to Profess 2 figures s A. F. Ioff ciences SS 4 Physics,	or D. N. and 1 tabl	Nasledov le. 49,32	for his	44,
apport of t SSOCIATION: Physical an iziki, Akad	Fiziko d Techni	ent wor -tekhn: cal Tr	expres k." On icheski	ig. ar	r thanks t. has: itut im.	to Profess 2 figures s A. F. Iofi	or D. N. and 1 tabl Ce, Akaden SR);"Insti Academy c	Nasledov le. 49,32	for his	44,
DESCRIPTION: SSOCIATION: Physical an iziki, Akad JEMITTED:	he prese Fiziko d Techni emii nau	ent wor -tekhn: cal Tr	expres k." On icheski	ig. ar	r thanks t. has: itut im. emy of S f Applie	to Profess 2 figures s A. F. Ioff ciences SS 4 Physics,	or D. N. and 1 tabl Ce, Akaden SR);"Insti Academy c	Nasledov : le. 49,32 nii nauk Si tut prikla of Sciences	for his SSR adnoy MSSR)	44,
DESCRIPTION: SSOCIATION: Physical an iziki, Akad JEMITTED:	Fiziko d Techni emii nau 15Jan65	ent wor -tekhn: cal Tr	expres k." On icheski	ig. ar	r thanks t. has: itut im. emy of S f Applie ENCL:	to Profess 2 figures a A. F. Ioff ciences SS 4 Physics, 00	or D. N. and 1 tabl Ce, Akaden SR);"Insti Academy c	Nasledov : le. 49,32 nii nauk Si tut prikla of Sciences	for his SSR adnoy MSSR)	44,
DESCRIPTION: SSOCIATION: Physical an iziki, Akad JEMITTED:	Fiziko d Techni emii nau 15Jan65	ent wor -tekhn: cal Tr	expres k." On icheski	ig. ar	r thanks t. has: itut im. emy of S f Applie ENCL:	to Profess 2 figures a A. F. Ioff ciences SS 4 Physics, 00	or D. N. and 1 tabl Ce, Akaden SR);"Insti Academy c	Nasledov : le. 49,32 nii nauk Si tut prikla of Sciences	for his SSR adnoy MSSR)	44,
upport of t SSOCIATION: Physical an iziki, Akad	Fiziko d Techni emii nau 15Jan65	ent wor -tekhn: cal Tr	expres k." On icheski	ig. ar	r thanks t. has: itut im. emy of S f Applie ENCL:	to Profess 2 figures a A. F. Ioff ciences SS 4 Physics, 00	or D. N. and 1 tabl Ce, Akaden SR);"Insti Academy c	Nasledov : le. 49,35 nii nauk Si tut prikla of Sciences	for his SSR adnoy MSSR)	44,

VOYTEEKHOVSKIY, A.V. [Voitsekhivs'kyi, O.V.]; KESAMANLY, F.P.; MITYUREV, V.K. [Mitiur'ov, V.K.]; RUD', Yu.V.

Transfer effects in the alloys InAs-CdTe and InAs-ZnTe. Ukr.fiz.zhur.10 no.12:1349-1353 D 165.

(MIFA 19:1)

1. Kiyevskiy pedagogicheskiy institut im. Gor¹kogo. Submitted December 15, 1964.

.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"

· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
<u>L 29958–66</u>	Í
ACC NR: AP6012481 SOURCE CODE: UR/0181/66/008/004/1176/1181	
AUTHORS: <u>Kesamanly, F. P.;</u> Mal'tsev, Yu. V.; Nasledov, D. N.; 56 Ukhanov, Yu. I.; Filipchenko, A. S. B	
ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-tekhnicheskiy institut AN SSSR)	
TITLE: Magnetooptical investigations of the conduction band of InSb	
SOURCE: Fizika tverdogo tela, v. 8, no. 4, 1966, 1176-1181	
TOPIC TAGS: indium compound, antimonide, magnetooptic effect, conduc- tion band, Faraday effect, light reflection, dielectric constant	
ABSTRACT: The authors investigated the optical reflection, transparency, and location of the plane of polarization (Faraday effect) in the wavelength interval from 2 to 25μ at temperatures from 130 to 550K and	
electron densities from intrinsic to 1.2×10^{19} cm ⁻³ , with an aim at checking the validity of the theory proposed by E. O. Kane (Phys. Chem. Sol. v. 1, 249, 1957). The apparatus used for the measurements was described by the authors earlier (Izv. AN SSSR ser. fiz. v. 28, 989, 1964 and carlier papers). InSb single crystals doped with Se were drawn from the melt by the Czochralski method. The reflection coefficient	
Card 1/2	
หลายระเริ่มข้อมหายังระบบการการการการการการการที่สาวสารการการการการการการการการการการการการกา	

L 29958-66	
ACC NR: AP6012481	
exhibited a slow decrease with increasing wavelength, a sharp minimum in the range between 10 and 17 μ (depending on the electron density), and a steep increase. The value obtained for the lattice dielectric constant fective mass of the electrons was found to be 0.071, 0.053, and 0.038 2.6 x 10 ¹⁶ cm ⁻³ when calculated from the plasma reflection and 0.018, 0.021, 0.027, 0.038, and 0.054 m ₀ for electron densities 2.5, 4, 7.5, dependence of the energy on the wave number agreed with Kane's calcula- tions up to electron densities 1.2 x 10 ¹⁹ cm ⁻³ . Some deviations from Kane's theory are observed at densities greater than 5 x 10 ¹⁸ cm ⁻³ , and call for a special analysis. Orig. art. has: 5 figures and 6 formulas. SUB CODE: 20/ SUBM DATE: 13Sep65/ ORIG REF: 003/ OTH REF: 011	
Card 2/2 1. U	
	i.
	1
	NCCHOINE
(1) 2011、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1	的局部到這

L 33600-66 EWT(m)/EWP(e)/T/EWP(t)/ET1 IJP(c) JD/WH
ACC NR: AR6016220 SOURCE CODE: UR/0058/65/000/011/E011/E011
AUTHORS: Goryunova, N. A.; Kesamanly, F. P.; Osmanov, E. O.; Rud', Yu. V. 5/
TITLE: Crystalline and glass-like CdGeAs \mathcal{B}
SOURCE: Ref. zh. Fizika, Abs. 11E80
REF SOURCE: Sb. Fizika, Dokl. k XXIII Nauchn. konferentsii Leningr. inzhstroit. in-ta. L., 1965, 49-51
TOPIC TAGS: cadmium compound, crystal, glass property, germanium compound, arsenide
ABSTRACT: It is shown that when the melt is rapidly cooled, the compound CdGeAs ₂ can be obtained in a glass-like state. The temperature dependence of the electron transport effects of this compound was investigated in the interval 100 - 750K. Relative characteristics of glass-like and crystalline CdGeAs ₂ are presented. T.Volkov [Translation of abstract]
SUB CODE: 20/
Cord 1/1 8/

arry and

Company and the

		and the second first
	AP6034922 SOURCE CODE: GE/0030/66/017/001/0105/0108	
	AUTHOR: Aliev, S. A.; Kesamanly, F. P.; Lagunova, T. S.; Nasledov, D. N.	
-	ORG: [Kesamanly; Lagunova; Nasledov] A. F. Ioffe Physico-Technical Institute, Academy of Sciences of the USSR, Leningrad; [Aliev] Institute of Physics, Academy of Sciences of the Azerbaidzhan SSR, Baku	
	TITLE: Hall effect and magnetoresistance of n-InP crystals at low temperatures	
	SOURCE: Physica status solidi, v. 17, no. 1, 1966, 105-108	
	TOPIC TAGS: Hall effect, magnetoresistance, temperature dependence, Hall constant, electric conductivity, impurity band, impurity conductivity, indium phosphide crystal	
	ABSTRACT: A study was made of the temperature dependence of the Hall constant R(T), the electrical conductivity $\sigma(T)$, and the magnetoresistance $\Delta e/e(T)$ between 1.7 and 300K in n-indium phosphide specimens with electron concentrations from 2 x 10 ¹⁰ to 10 ¹⁸ cm ⁻³ . A maximum was observed in R(T) in the temperature range 20-100K; $\Delta e/e$ was negative in all specimens below the maximum temperature of R(T). The results are explained by the participation of the impurity	
	Cord 1/2	-
-		•
		- HARACIA
279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279 - 279		如对清醒
	ACC NR. APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R0007216100	08-6"
	AP6034922	08-6"
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract]	08-6"
		98-6"
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract]	08-6"
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract])8-6 "
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract]	08-6 "
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract]	08-6 "
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract]	08-6 "
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract]	08-6 "
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract]	08-6 "
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract]	08-6 "
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract]	08-6 "
	band in conduction. Orig. art. has: 5 figures and 1 table. [Authors' abstract]	08-6"

L 08140-67 -EWT(1)---IJP(c) ACC NR AP6033666 SOURCE CODE: UR/0371/66/000/004/0014/0021 B AUTHOR: Kesamanly, F. P. --Kesamanli, F.; Klotyn'sh, E. E. --Klotins, E.; Nasledov, D. N. -- Nasledovs, D.; Talalakin, G. N. -- Talalakins, G. ORG: Physicotechnical Institute im. A. F. Ioffe (Fiziko-tekhnicheskiy institut); Institute of Power Engineering AN LatSSR (Institut energetiki AN LatSSR) TITLE: Transfer effects in p-type gallium arsenide crystals 27 SOURCE: AN LatSSR. Izvestiya. Seriya fizicheskikh i tekhnicheskikh nauk, no. 4, 1966, 14-21 TOPIC TAGS: gallium arsenide, Hall mobility, Nernst effect, high temperature effect, transfer effect, pn junction, p type gallium ABSTRACT: The authors investigated the temperature and concentration relationships of the Hall mobility and the transverse Nernst-Ettingshausen effect in p-type gallium arsenide alloyed with zinc and cadmium. The investigations have been conducted at temperatures ranging from 90 to 800K in crystals with the concentration of holes at 300K from 5, 4×10^{16} to 7, 7×10^{19} cm⁻³. It is shown Card 1/2 L 08140-67 ACT NKI AFB03906 RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6 that the experimental results could be consistently understood in terms of the theory for a semiconductor with an isotropic and parabolic zone. It is shown that the ions play an important role in scattering holes below room temperature. The mechanisms of hole scattering by the lattice oscillation are examined. The authors thank V. G. Sidorov for submitting precision values of the thermal emf. Orig. art. has: 5 figures, 5 formulas, and 1 table. [Based on authors' abstract] SUB CODE: 20/ SUBM DATE: 14Sep65/ ORIG REF: 012/ OTH REF: 003/ 南日 ! 2/2 net

KESAMANLY, G. D.

"Pitch from Combustible Shales of Azerbaydzhan" Dokl. AN Zz. SSR, 10, No 1, 23-27, 1954 (Azerbaydzhani resume)

Azerbaydzhan shales with organic mass of sapropelic origin give on the average about h6% pitch reminiscent of raw petroleum, but less homogeneous than petroleum. The pitch contains carbon 80-81%, hydrogen 9.6-10%, and sulfur 1.8-2%. Fractional distillation of the pitch at various temperatures gives the possibility of obtaining definite quantities of benzene, kerosene and diesel fractions. (RZhGeol, No 3, 1954)

Inst. Dower Engineering AS ager SSR

SO: W-31187, 8 Mar 55

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"
KESAR', V.F.

.

For a new expansion of resort construction. Azerb.med.zhur. no. (HIRA 11:6) 5:64-66 Hy 158 (AZERBAIJAN--HEALTH RESORTS WATERING PLACES, ETC)

.

KESAREV, Al'bert Petrovich, inzh.; KISELEVA, N.P., inzh., red.; USENKO, L.A., tekhn. red.

> [Maintenance and repair of the vertical transmission and bearings of the 2D100 diesel crankshaft] Remont vertikal'noi peredachi i podshipnikov kolenchatogo vala dizelia 2D100. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 64 p. (MIRA 14:12)

> > - - -

1.8

(Diesel locomotives-Maintenance and repair)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

1

POYDA, A.A.; KOKOSHINSKIY, I.G.; TITOV, A.N., retsenzent; MOISEYEV, G.A., retsenzent; KHARLALOV, P.G., retsenzent; KESAREV, A, P., retsenzent; RUKAVISHNIKOV, Yu.A., retsenzent; MEDVEDEV, G.G., retsenzent; PALKIN, A.P., retsenzent; BOL'SHAKOV, A.S., retsenzent; KHITROVA, N.A., tekhn.red.

> [Mechanical equipment of diesel locomotives] Mekhanicheskoe oborudovanie teplovozov. Moskva, Transzheldorizdat, 1963. (MIRA 17:2) 463 p.

> > CREASE AND AND A DESCRIPTION OF A STATE

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"

目的复数

KLIMOV, N.N., inzh.; GORN. V.N., inzh.; SEMENOV, N.S., mashinist-instruktor; BUD'KO, G.F.; MURZIN, L.G.; REMENNIKOV, S.S.; KESAREV, A.P.

> Answering readers' queries. Elek. i tepl. tiaga 7 no.9:44-45 S '63. (MIRA 16:10)

1. Depo Lobnya Moskovskoy dorogi (for Semenov). 2. Zamestitel' glavnogo revizora po bezopasnosti dvizheniya Ministerstva putey soobshcheniya (for Bud'ko). 3. Nachal'nik otdela teplotekhniki Glavnogo upravleniya lokomotivnogo khozyaystva Ministerstva putey soobshcheniya (for Murzin). 4. Nachal'nik otdela truda i zarabotnoy platy Glavnogo upravleniya lokomotivnogo khozyaystva Ministerstva putey soobshcheniya (for Kesarev).

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

TERT YCHKO, Bikolay Alekseyevich; TYRICHEV, Al'bert Georgiyevich; TISHCHENKO, Mikoley Ivanovich; KESAREV, A.P., inzh., retsenzent; VUL'Y, V.V., inzh., red.; KHITKOV, P.A., tekhn.red. [Inspection and adjustment operations in the repair of diesel locomotives] Proverki i regulirovki pri remonte teplovosov. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 291 p. (MIRA 14:4) (Diesel locomotives--Naintenance and repair)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

"APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6

BOL'SHAKOV, Anatoliy Stepanovich; SARIN, Valeriy Ivanovich;
SHVAYNSHTEYN, Boris Simonovich; PONOMAREV, V.S., inzh., retsenzent; ZAZOVSKIY, D.G., inzh., retsenzent; MAKAHOV, M.S., inzh., retsenzent; POPOV, G.V., inzh., retsenzent; KURBATOV, A.I., retsenzent; KITAYEVA, Z.A., inzh., retsenzent; SDOBNIKOV, Ye.F., retsenzent; KOVALEV, A.K., inzh., retsenzent; KESAREV, A.P., inzh., retsenzent; KISELEVA, N.P., inzh., red.; GROMOV, S.A., kand. tekhn. nauk, red.; SHCHERBACHEVICH, G.S., inzh., red.; USENKO, L.A., tekhn. red.

[Shunting diesel locomotives]Manevrovye teplovozy. Moskva, 1962. 383 p. (MIRA 15:6) (Diesel locomotives)

APPROVED FOR RELEASE: 09/17/2001

目的目前的影响。

CIA-RDP86-00513R000721610008-6"

YEGUNOV, Pavel Mikhaylovich, kand. tekhn. nauk; KESAREV, A.P., inzh. red.; VOROTNIKOVA, L.F., tekhn. red.

[Coolers of diesel locomotives]Teplovoznye kholodil'niki. Moskva, Transzheldorizdat, 1962. 94 p. (Diesel locomotives-Cooling) (MIRA 16:1)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"

ZASLAVSKIY, Yefim Grigor'yevich, inzh.; FORTNOY, Vladimir Isaakovich, inzh.; KOSHEVOY, Vladimir Ivanovich, inzh.; DUBROVSKIY, Vladimir Zakharovich, inzh.; KESAREV, A.P., inzh., retsenzent; STREL'NIKOV, S.V., inzh., retsenzent; MEL'NIKOV, V.Ye., red.

> [Repair of TE10 diesel locomotives in the roundhouse] Remont teplovozov TE10 v depo. Moskva, Transport, 1965. 90 p. (MIRA 18:2)

l. Khar'kovskiy teplovozostroitel'nyy zavod imeni V.A.Malysheva (for Zaslavskiy, Portnoy, Koshevoy, Dubrovskiy).

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

AT THE PROPERTY

KESAREV. I. P., CAND MED Sci, "HH HENGE OF CERTAIN CONDITIONS OF CULTIVATION OF TYPHOID BACTERIA ON THE FOR-NATION AND REGENERATION OF THEIR FILTRADUE FORMS." SHOLENSK, 1960. (MIN OF HEALTH RSFSR, SHOLENSK STATE MED INST). (KL, 2-61, 218).

-255-

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"

MARINE STATE HAR HIGHLING

KESAREV, I.P.; PRODAN, Z.G.

ورجاح فالمحملين والمار محاطاهم

Parenteral infection of the argasid tick Ornithedorus papillipes by Rickettsia prowazeki. Trudy Ukr. resp. nauch. ob-va paraz. (MIRA 17:3) no.2:61-63 *63

1. Dnepropetrovskiy meditsinskiy institut epidemiologii, mikrobiologii i gigiyeny.

The second time of the second se

KLIMENOK, B.V.; PIRKIS, L.N.; SKACHKO, Ye.V.; KESAREV, M.P. Using aqueous solution of carbamide for removing paraffin from diesel fuels. Izv.vys.ucheb.zav.; neft' i gaz. no.7:83-89 '58. (HIRA 11:11) 1. Ufimskiy neftyanoy institut. (Urea) (Paraffins) (Diesel fuels)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

SHILL MARKEN

NEFEDOV, V.D.; TOROPOVA, M.A.; KRIOKHATSKAYA, I.V.; KESAREV, O.V. فمحاجب ومتقاصر والمحاجب والمتاريق والم Separation of phenyl derivatives of arsenic and germanium by means of partition paper chromatography. Radiokhimiia 6 (MIRA 17:6) no. 1:112-113 '64. CALLS TO LST & HE CALL SO COMMON





禐

	17-45 Ession NR: 71930	00076		/
	an an th An a	.w(!) ∿e able to surport . The call of t	gha ang ing ang ang	a corrid of its
	• • • • • • • • • • • • • • • • • • •			
		$\sum_{i=1}^{n}\sum_{j=1}^{n}\sum_{j=1}^{n}\sum_{i=1}^{n}\sum_{i=1}^{n}\sum_{j=1}^{n}\sum_{i=1}^{n}\sum_{i=1}^{n}\sum_{i=1}^{n}\sum_{i=1}^{n}\sum_{i=1}^{n}\sum_{j=1}^{n}\sum_{i=1}^{$	• · · · ·	• <u>х</u>
	S in pro-	OTH ER: 000		
	-			
T :- ; []	2/ 2			

· · · · · · · · · · · · · · · · · · ·	
	L 3181-66 EWT(1)/EWT(m)/EPF(c) RPL WW/GW
	ACCESSION NR: AP5014813 UR/0209/65/000/006/0036/0038
	AUTHOR: Kesarev, V. (Professor, Doctor of chemical sciences) 19
	TITLE: The nature of comets
	SOURCE: Aviatsiya i kosmonavtika, no. 6, 1965, 36-38
	TOPIC TAGS: comet, space flight hazard, celestial body
	ABSTRACT: Professor Kesarev describes a comet as consisting of a nucleus not exceeding a few km in diameter and having a mass of $3 \cdot 10^{17}$ g. Through solar in- fluences, this nucleus begins to emit gases as it approaches the Sun. It is these gases which are believed to be the main constituents of the huge coma and the tail. The idea that comets might be produced by the disruption of asteroids, expressed by S. V. Orlov, is opposed, and it is contended that only smaller asteroids, rather than comets, can originate in this manner. The author shares with J. H. Oert and V. G. Fesenkov the theory that comets are the debris of a rather large planet. The
	author also agrees with Fegenkov's view that the "Jungus meteorite" is essentially to comet. In its composition and structure, the comet is of planetary matter and can be colled a minor or dwarfulanet. The decay of comets is considered to be a con-
	sequence of intrusive chemical processes. The reaction products of those chemical
	Card 1/2
nderen besterstendende sid is Norderen strende sid is	

ize of comet bodies is de by the acceleration of par	e comet body, i.e., the come termined by the intensity of ticles. This implies that upon the combined forces of
ia ultimetely dependent	upon the comprhet forces of
uire. In planning space I	TIKUTA THE DOSPIDITION OF W
wigty of objects includin	T COMPLET MUSC DE COMENTATION
Free snace travel must be	Barislacionity resources
irther research into the n	ature of small and large [VM]
NUCTUARD .	· · · · · ·
ана на селото на село На селото на	
ENCL: 00	SUB CODE: AA, SV
OTHER: 000	ATD PRESS: CI4018
	 A second sec second second sec
	eriety of objects, including the probability of such free space travel must be wrther research into the n oncludes. ENCL: 00

销生运性

TANK AREA AND A STAR

YEROFEYEV, Petr Petrovich, prof.[deceased]; KESAREVA, V.P., red.; BALDINA, N.F., tekhn. red.

[Tuberculosis of the brain, spinal cord and meninges; a morphological study]Tuberkulez golovnogo, spinnogo mozga i obomorphological study juberkulez golovnogo, spinos, Medgiz, 1962. lochek; morfologicheskoe issledovanie. Moskva, Medgiz, 1962. (MIRA 15:9) 222 p. (MENINGES-TURBERCULOSIS) (SPINAL CORD-TUBERCULOSIS)

(BRAIN-TURBERCULOSIS)

SAME AND COMPANY STOLEN STOLEN

THE REPORT OF THE PARTY OF

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

THE REPORT OF THE PROPERTY OF

KESAREV, V.S.

05611

Characteristics of the structural organization of the hypothalamus in man and some primates (chimpanzee, macaca). Zhur. nevr. i psikh. 65 no.5%696-702 ¹65. (MIRA 18:5)

1. Institut mozga (direktor - prof. S.A.Sarkisov) AMN SSSR, Moskva.

.

APPROVED FOR RELEASE: 09/17/2001

ł.

CIA-RDP86-00513R000721610008-6"



REVA, V. P.	Endooard1t1s Rabb1ts	Endocarditis," Y. P. Ecsarera, Moscor, Anat, Emolensk Mod. Inst, 6 pp wdii	ts carried out on 83 rabbits. And- zed with four horse-serum injections a. 10-15 days after last injections ed to rum for 10-15 minutes, where- streptococol and horse-serum was streptococol and horse-serum was attenue of miorobes frequently	completely different forms of ando- and its. Author discusses the reason for this. s illustrated with microphotographs.	
	USER/Medicine - En Medicine - Es	"Experimental Endoor Chair of Path Anat, "subby Patologia"	Reports experiments mals were sensitized at 5-day intervals. they were compelled upon a mirture of st injected into ear. Econorer, identical	produced completely dif myccarditic. Author di Article is illustrated	

CIA-RDP86-00513R000721610008-6

THE PERSON IN THE PERSON PERSON PERSON PERSON AND KESAREVA, V.P., kand.med.nauk Report on plenary sessions of the Moscow Society of Pathoonatomists in 1953. Arkh.pat. 18 no.4:136-141 '56 (ANATONY, PATHOLOGICAL-SOCIETIES) (MIRA 11:10) RECEIPTION CONTRACTOR OF THE PARTY OF THE PA CHIMM MARKET IN COMPANY AND AND A DESC APPESMED FOR RELEASE: 09/17/2001 Class moditsinskikh nauk CIA-RDP86-00513R000721610008-6" Plenary sessions of the Moscow Society of Pathoanatomists. Arkh.pat. (ANATOMY, PATHOLOGICAL) (HIRA 9:12)

KESAREVA, V.P. (Moskva)

ies cen

NAMES OF TAXABLE PARTY OF TAXABLE

Plenary session of the administration of the All-Union Society of Pathoanatomists. Arkh. pat. 22 no. 10:88-89 '60. (MIRA 13:12)

1. Sekretar' Vsesoyuznogo obshchestva patologoanatomov. (PATHOANATOMICAL SOCIETIES)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"



"APPROVED FOR RELEASE: 09/17/2001

CONTRACTOR DE LA CONTRACTION DE LA CONTRACTICA DE LA CONTRACTICA

CIA-RDP86-00513R000721610008-6

USSR/Human and Animal Physiology (Normal and Pathological). T-11 Nerve and Muscle Physiology. Abs Jour Ref Zhur - Biol., No 11, 1958, 51185 : Author Kesareva, Ye.P. : Inst Title The Methods of Myotonography in Man. : Orig Fub : Fiziol. zh. SSSR, 1957, 43, No 8, 801-803. Abstract The processes of muscle contractions in man were recorded. A flat, slightly inflatted rubber balloon was fixed upon the myogaster under investigation by two strips of adhesive tape. A kyrasgraph was used for recording purposes. This method may be applied to any surface muscle, and it is most convenient when applied to muscles whose antagonists are situated in such a manner that the traction of tensed muscles is not transmitted to the recording balloons. The tension of both muscles of the same name, i.e., on both sides, is recorded, and sometimes the tension of two Card 1/2Chair of Physiology + Chem, Belorussian State Inst Physical Culture APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721610008-6"



APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721610008-6"

MAKAROV, P.O., KESAREVA, Ye.P., RAKHMILEVICH, L.S., TRUFIMOV, I.G., wards and a stream of the stre Nikolai Aleksandrovich IUdenich; an obituary. Fiziol.zhur. 44 no.6:606 Je 158 (MIRA 11:7) (IUDENICH, NIKOLAI ALEKSANDROVICH, 1900-1958) A.

STAR AN

25.0X - H