

The Problem of the Determination of the
Distance Between the Atoms of a Substance
Under Pressure. I. The Compressibility of
Barium and Strontium

82981

S/181/60/002/008/003/045
B006/B070

ASSOCIATION: Institut fiziki vysokikh davleniy AN SSSR Moskva
(Institute for Physics of High Pressures of the AS USSR,
Moscow)

SUBMITTED: December 16, 1959

Card 4/4

S/181/62/004/007/030/037
B178/B104,

AUTHORS: Yevdokimova, V. V., and Vereshchagin, L. F.

TITLE: Polymorphous transition in NaCl

PERIODICAL: Fizika tverdogo tela, v. 4, no. 7, 1962, 1965-1966

TEXT: At pressures close to $1.8 \cdot 10^4$ kg/cm², NaCl acquires a structure of the CsCl type. Its original lattice is stable, the constant equals $3.39-0.06$ Å at atmospheric pressure. The density of the new phase is 2.535 g/cm³, and the discontinuity in the specific volume during the transformation is 14.2%. Allowing for the fact that the distance between the oppositely charged ions increases by 3% the lattice constant of the new phase is found to be 3.35 Å. When the pressure is released, the new phase is usually maintained. Shear deformation might play a significant role in the phase transition. There are 1 figure and 1 table.

ASSOCIATION: Institut fiziki vysokikh davleniy AN SSSR Moskva
(Institute of the Physics of Pressures AS USSR, Moscow)

SUBMITTED: March 19, 1962
Card 1/1

S/056/62/043/004/ 014/061
B102/B180

AUTHORS:

Yevdokimova, V. V., Vereshchagin, L. F.

TITLE:

Polymorphic transition in sodium chloride under pressure

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43,
no. 4(16), 1962, 1208 - 1212

TEXT: Pressures of up to 18,000 kg/cm² were applied to powder samples of "Ekstra" table salt and of NaCl single crystals and the pressure-induced changes in volume and structure were studied by X-ray analysis. A new phase appeared at 17,700 kg/cm², i. e. the cubic face-centered lattice of normal NaCl changes to a CaCl₂-type lattice with a mean lattice constant of $3.36 \pm 0.04 \text{ \AA}$. The density of the new phase is $\rho = 2.535 \text{ g/cm}^3$, that of the initial phase $\rho_0 = 2.165 \text{ g/cm}^3$, so that the volume change $\Delta V = 14.2\%$ per mole. If a denotes the lattice constant of the new and b that of the initial phase, $0.58b < a < 0.63b$. The pressure dependence of the change in volume can be described by $-\Delta V/V_0 = 14.30 \cdot 10^{-2} + 36.0 \cdot 10^{-7} p - 60.0 \cdot 10^{-12} p^2$,
Card 1/2

Polymorphic transition ...

where V_0 is the molecular volume of initial NaCl. After pressure relief about 2% of the new phase still remained. There are 2 figures and 3 tables.

S/056/62/043/004/014/061
B102/B180

ASSOCIATION: Institut fiziki vysokikh davleniy Akademii nauk SSSR (Institute of the Physics of High Pressures of the Academy of Sciences USSR)

SUBMITTED: May 15, 1962

Card 2/2

L 24261-66

ACC NR. APX 546

... crystal structures more closely packed and acquire larger coordination numbers,
... observed. In some cases the P-T
... diagrams of elements in the neigh-
... high pressure modifications of
... x-ray analysis. Orig. art. has
21 figures and 1 table.

SUB CODE: 20/ ORIG REF: 022/ OTH REF: 090

YEVDOKIMOVA, Ye. ., kand. med. nauk

Hygienic evaluation of standard apartments in connection with
their varied orientation under climatic conditions of Novosibirsk.
Trudy Zap.-Sib. fil. ASIA no.7:76-84 '62.

(MIRA 18:2)

ARKHIPOV, Boris Nikolayevich; YEVDOKIMOVA, Ye.D., red.

[Manual of laboratory work in chemistry for training laboratory assistants in the chemical and petroleum refining industry in city vocational and technical schools] Sbornik laboratornykh rabot po khimii dlia podgotovki laborantov khimicheskoi i neftepererabatyvaiushchei promyshlennosti v gorodskikh professional'no-tekhnicheskikh uchilishchakh. Moskva, Vysshaya shkola. Pt.1. No.1. [Industrial training in a laboratory of inorganic chemistry] Proizvodstvennoe obuchenie v laboratorii neorganicheskoi khimii. 1964. 105 p.
(MIRA 17:9)

GURVICH, Yakov Abramovich; LYANDE, Yu.V., nauchn. red.;
YEVDOKIMOVA, Ye.D., red.

[Intudastiral training of laboratory assistants of the
chemical and petroleum refining industry; methodological
manual for industrial training foremen] 'roizvodstvennoe
obuchenie laborantov khimicheskoi i neftepererabatyvaiu-
shei promyshlennosti; metodicheskoe posobie dlia masto-
rov proizvodstvennogo obucheniia. Moskva, Proftekhizdat,
1964. 238 p. (MIRA 17:10)

1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86		87		88		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104		105		106		107		108		109		110		111		112		113		114		115		116		117		118		119		120		121		122		123		124		125		126		127		128		129		130		131		132		133		134		135		136		137		138		139		140		141		142		143		144		145		146		147		148		149		150		151		152		153		154		155		156		157		158		159		160		161		162		163		164		165		166		167		168		169		170		171		172		173		174		175		176		177		178		179		180		181		182		183		184		185		186		187		188		189		190		191		192		193		194		195		196		197		198		199		200		201		202		203		204		205		206		207		208		209		210		211		212		213		214		215		216		217		218		219		220		221		222		223		224		225		226		227		228		229		230		231		232		233		234		235		236		237		238		239		240		241		242		243		244		245		246		247		248		249		250		251		252		253		254		255		256		257		258		259		260		261		262		263		264		265		266		267		268		269		270		271		272		273		274		275		276		277		278		279		280		281		282		283		284		285		286		287		288		289		290		291		292		293		294		295		296		297		298		299		300		301		302		303		304		305		306		307		308		309		310		311		312		313		314		315		316		317		318		319		320		321		322		323		324		325		326		327		328		329		330		331		332		333		334		335		336		337		338		339		340		341		342		343		344		345		346		347		348		349		350		351		352		353		354		355		356		357		358		359		360		361		362		363		364		365		366		367		368		369		370		371		372		373		374		375		376		377		378		379		380		381		382		383		384		385		386		387		388		389		390		391		392		393		394		395		396		397		398		399		400		401		402		403		404		405		406		407		408		409		410		411		412		413		414		415		416		417		418		419		420		421		422		423		424		425		426		427		428		429		430		431		432		433		434		435		436		437		438		439		440		441		442		443		444		445		446		447		448		449		450		451		452		453		454		455		456		457		458		459		460		461		462		463		464		465		466		467		468		469		470		471		472		473		474		475		476		477		478		479		480		481		482		483		484		485		486		487		488		489		490		491		492		493		494		495		496		497		498		499		500		501		502		503		504		505		506		507		508		509		510		511		512		513		514		515		516		517		518		519		520		521		522		523		524		525		526		527		528		529		530		531		532		533		534		535		536		537		538		539		540		541		542		543		544		545		546		547		548		549		550		551		552		553		554		555		556		557		558		559		560		561		562		563		564		565		566		567		568		569		570		571		572		573		574		575		576		577		578		579		580		581		582		583		584		585		586		587		588		589		590		591		592		593		594		595		596		597		598		599		600		601		602		603		604		605		606		607		608		609		610		611		612		613		614		615		616		617		618		619		620		621		622		623		624		625		626		627		628		629		630		631		632		633		634		635		636		637		638		639		640		641		642		643		644		645		646		647		648		649		650		651		652		653		654		655		656		657		658		659		660		661		662		663		664		665		666		667		668		669		670		671		672		673		674		675		676		677		678		679		680		681		682		683		684		685		686		687		688		689		690		691		692		693		694		695		696		697		698		699		700		701		702		703		704		705		706		707		708		709		710		711		712		713		714		715		716		717		718		719		720		721		722		723		724		725		726		727		728		729		730		731		732		733		734		735		736		737		738		739		740		741		742		743		744		745		746		747		748		749		750		751		752		753		754		755		756		757		758		759		760		761		762		763		764		765		766		767		768		769		770		771		772		773		774		775		776		777		778		779		780		781		782		783		784		785		786		787		788		789		790		791		792		793		794		795		796		797		798		799		800		801		802		803		804		805		806		807		808		809		810		811		812		813		814		815		816		817		818		819		820		821		822		823		824		825		826		827		828		829		830		831		832		833		834		835		836		837		838		839		840		841		842		843		844		845		846		847		848		849		850		851		852		853		854		855		856		857		858		859		860		861		862		863		864		865		866		867		868		869		870		871		872		873		874		875		876		877		878		879		880		881		882		883		884		885		886		887		888		889		890		891		892		893		894		895		896		897		898		899		900		901		902		903		904		905		906		907		908		909		910		911		912		913		914		915		916		917		918		919		920		921		922		923		924		925		926		927		928		929		930		931		932		933		934		935		936		937		938		939		940		941		942		943		944		945		946		947		948		949		950		951		952		953		954		955		956		957		958		959		960		961		962		963		964		965		966		967		968		969		970		971		972		973		974		975		976		977		978		979		980		981		982		983		984		985		986		987		988		989		990		991		992		993		994		995		996		997		998		999		1000		1001		1002		1003		1004		1005		1006		1007		1008		1009		1010		1011		1012		1013		1014		1015		1016		1017		1018		1019		1020		1021		1022		1023		1024		1025		1026		1027		1028		1029		1030		1031		1032		1033		1034		1035		1036		1037		1038		1039		1040		1041		1042		1043		1044		1045		1046		1047		1048		1049		1050		1051		1052		1053		1054		1055		1056		1057		1058		1059		1060		1061		1062		1063		1064		1065		1066		1067		1068		1069		1070		1071		1072		1073		1074		1075		1076		1077		1078		1079		1080		1081		1082		1083		1084		1085		1086		1087		1088		1089		1090		1091		1092		1093		1094		1095		1096		1097		1098		1099		1100		1101		1102		1103		1104		1105		1106		1107		1108		1109		1110		1111		111	
---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	---	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	-----	--

KRECHMER, B. B., VALTER, YE. M., BAYANDINA, S. A., BONDARENKO, T. V., YEVDOKIMOVA, YE. I.
YEVDOKIMOVA, Ye. I.
ANTIBIOTICS

Albomycin therapy in pneumonia in infants. Novosti med. no. 23, 1951.

9. Monthly List of Russian Accessions, Library of Congress, December 195~~8~~₂, Uncl.

YEVDOKIMOVA, Ye.P., inzhener.

Rapid experimental demonstration construction work in
Komsomolsk-on-Amur. Nov.tekh.i pered. op. v stroi. 18
no.2:15-18 F '56. (MIRA 9:6)
(Komsomolsk-on-Amur--Reinforced concrete construction)

YEVDOKIMOVA, Ye.V.

Hygienic problems connected with reconstruction of the winter stadium
in Leningrad [with summary in English]. Trudy ISGMI 44:73-85 '58
(MIRA 11:12)

1. Kafedra kommunal'noy gigiyeny Leningradskogo sanitarno-gigiyeniches-
kogo instituta (zav. kafedroy - prof. P.K. Ageyev).

(ATHLETICS,

reconstruction of winter stadium in Leningrad, hyg.
problems (Rus))

(HYGIENE,

hyg. problems in reconstruction of winter stadium
in Leningrad. (Rus))

YEVDOKIMOVA, Ye. V.: Master Med Sci (diss) -- "The microclimate of covered stadia and its effect on certain physiological reactions of sportsmen". Leningrad, 1959. 17 pp (Min Health RSFSR, Leningrad Sanitary-Hygiene Med Inst), 200 copies (KL, No 12, 1959, 131)

YEVDOKIMOVA, Ye.V.

Materials on normal temperature-humidity conditions in covered stadiums. Gig. i san. 25 no. 6:25-29 Je '60. (MIRA 14:2)

1. Iz kafedry kommunal'noy gigiyeny Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.
(STADIUMS)

BALANDINA, V.A., kand.med.nauk; YEVDOKIMOVA, Ye.V., kand.med.nauk

Conference of the Novosibirsk Institute of Sanitation Research.
Gig.i san. 25 no.11:96-97 N '60. (MIRA 14:1)
(NOVOSIBIRSK--PUBLIC HEALTH RESEARCH)

YEVDOKIMOVA, Ye.V.

Effect of temperature and humidity of the air on the temperature of the skin in track athletes. Trudy LSGMI no.68:64-75 '61.

(MIRA 15:11)

1. Kafedra kommunal'noy gigiyeny Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - prof. A.I.Shtreys).

(ATHLETES--HYGIENE)

(LENINGRAD--STADIUMS--HYGIENIC ASPECTS)

YEVICHKIMOVA, YU. I., ZAGHAR'INA, A. A., KONGCHAYAY, R. I., LEVING, I. V.,
MISHCHENKO, D. B., POPOVA, O. P., SALESOV, M. V., TIKHONSKAYA, P. M.,
ANIKETIENKO, S. N., KORYASHCHENKO, I. K., NUSBAUM, D. G., STESANOVA, A. P.,
BASOVA, O. I., GALAKTIONOVA, N. S., GIKAR, V. S., VANNIKOVA, G. A.

"Hygienic characteristics of the day regimen of Moscow school
children."

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

YEVDOKIMOVA, Z.

It is time. Okhr.truda i sots.strakh. no.1:22-24 Ja '59.
(MIRA 12:2)

1. Sekretar' partbyaro chulochnoy fabriki, g.Tushino.
(Tushino--Hosiery industry--Hygienic aspects)

SUKIASYANTS, Grigoriy Nikitovich; LEVINA, Valentina Ivanovna;
ZHUKOV, G.I., red.; YEVDOKIMOVA, Z.N., tekhn.red.

[Drugs manufactured by industrial enterprises of the
U.S.S.R. for public health] Meditsinskie preparaty vy-
puskaemye promyshlennymi predpriatiiami SSSR dlia zdravo-
okhraneniia. Moskva, Medgiz, 1956. 138 p. (MIRA 17:1)

1. Moscow. Vsesoyuznaya promyshlennaya vystavka.

S/119/63/000/001/008/016
D201/D308

AUTHORS: Yevdokinov, V.G. and Petygin, V.I.

TITLE: A hygrometer for continuous measurement of the
moisture content of loose materials

PERIODICAL: Priborostroyeniye, no. 1, 1963, 19-20

TEXT: The authors give a short description of construction and of operation of a hygrometer designed at the laboratory of automation at Gintsvetmet. The instrument is basically a line with distributed constants with the generator at one end and moisture content transducer at the other end, the indicating instrument being connected at a point along the line corresponding to or near the maximum voltage node. The instrument operates at a frequency of 42 Mc/s. The moisture pick-up consists of a sensing element, two thin metal plates fixed in dielectric and bent along the internal radius of a thin-walled drum made of dielectric material. The last part is a PTF cylinder with 5 mm thick walls. The drum moves continuously the material over the sensing element, the plates are

Card 1/2

A hygrometer for continuous ...

S/119/63/000/001/008/016
D201/D308

covered even if the material is dry. The effective load of the transmission line is determined by varying the electrical parameters of its load. The accuracy of the instrument in industrial operating conditions was found to be $\pm 0.58\%$ of the absolute moisture content for pyrite concentrates with 7% moisture content and $\pm 0.73\%$ for copper-zinc concentrates with 15% moisture content. There are 4 figures.

Card 2/2

YEVDOKINOVA, A.I.

Ovalocytosis in a 12-year-old boy with congenital compensated hemolytic anemia. Probl. gemat. i perel. krovi 10 no.1:52-53
Ja '65. (MIRA 19:1)

1. 2-ya klinika starshego vozrasta Instituta pediatrii (dir. - dotsent M.Ya. Studenikin) AMN SSSR, Moskva.

KIRICHENKO, Vasilii Stepanovich, inzh.; FEYGEL'SON, B.Yu., kand.tekhn.
nauk, retsenzent; SUDAKIN, Ya.A., red.inzh.; pri uchastii:
PORVATOV, H.A., inzh.; KRASAVIN, D.P., inzh.; KOROBEYNIKOV, M.M.,
inzh.; ROGOZHNIKIN, P.I., inzh.; YEVDOKOMOV, F.H., inzh.; STUPIN,
A.N., inzh.; ZVIAGIN, A.V., inzh.; SIROTIN, A.M., red.izd-ya,
inzh., EL'KIND, V.D., tekhn.red.

[Water-cooled chill molds] Vodookhlazhdaemye kokili. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 95 p. (MIRA 11:12)
(Molding (Founding))

BREGER, A.Kh.; Prinsipali uchastiye: KARPOV, V.L., kand.khim.nauk;
BELYNSKIY, V.A.; OSIPOV, V.B., PROKUDIN, S.D.; TYURIKOV, G.S.,
kand.khim.nauk; GOL'DIN, V.A.; RYABUKHIN, Yu.S.; KOROLEV, G.H.;
AFONIN, V.P.; POKROVSKIY, V.S.; KULAKOV, S.I.; LEKAREV, P.V.;
FEDOROVA, T.P.; KOROTKOVA, M.A.; KHARLAMOV, M.T.; NIKOLENKO, G.D.;
LOPUKHIN, A.F.; YEVDOKIMIN, T.F.; KASATKIN, V.M.; RATOV, A.V.

Nuclear radiation sources for radiational-chemical studies.
Probl.fiz.khim. no.1:61-72 '58. (MIRA 15:11)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut
im. Karpova.
(Radiochemistry) (Radioisotopes)

KUTEPOV, D.F.; YEVDOKUSHINA, L.V.

Synthesis and transformations in the series of diarylureas. Part 18:
Hydrolysis of N-chloro derivatives of diarylureas. Zhur. org. khim.
1 no.1:189-191 Ja '65. (MIRA 18:5)

YEVDONIN, A.S.; CHEZHIN, V.A.

Competition for the best design of a bridge over the Neva River.
Transp.stroi. 10 no.6:9-13 Je '60. (MIRA 13:7)

1. Glavnyy inzhener proyekta Lentransmostproyekta (for Yevdonin).
2. Glavnyy inzhener Mostostroya No 6 (for Chezhin).
(Leningrad--Bridges--Design)

YEVDOSEYEV, N. I.

YEVDOSEYEV, N. I. and MAURER, A. F.

Vozdushnoe khoziasitvo avariino-spasatel'noi sluzhby. /Air equipment for life-saving service/. Moskva, Voenmorizdat, 1946. 152 p. (Narodnyi komissariat Voinno-Morskogo flota SSSR. Avariino-spasatel'noe upravlenie.)

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

YEVDOSHCHENKO, Ye.A. (Kiyev)

State of the ear, nose, and throat in virus A₁ influenza. Vrach.
delo no.2:151-153 P '57. (MIRA 10:2)

1. Institut infektsionnykh bolezney Akademii meditsinskikh nauk
SSSR.

(INFLUENZA) (NOSE--DISEASES) (THROAT--DISEASES)

YEVDOSHCHENKO, Ye.A., Cand Med Sci -- (diss), "Concerning
lesion of the ~~laryngeal~~ ^{laryngeal} organs in ~~influenza~~ ^{influenza} and the
effectiveness of the ~~administration~~ ^{administration} of ecmoline in this
disease." Odessa, 1958, 16 pp (Odessa State
Med Inst im N.I. Pirogov) 200 copies (KL, 23-58, 111)

YEVDOSHCHENKO, Ye.A., kand.med.nauk

Amount of vitamin C in the urine of patients with scleroma before and following compound treatment. Zhur. ush., nos. 1 gorl. bol. 21 no.3:45-49 My-Je '61. (MIRA 14:6)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - zasluzhennyi deyatel' nauki prof. A.I.Kolomiychenko) Kiyevskogo instituta usovershenstvovaniya vrachey i kafedry biokhimii (zav. - prof. Ye.F.Shamray) Kiyevskogo meditsinskogo instituta.

(URINE—ANALYSIS AND PATHOLOGY)

(ASCORBIC ACID)

(RHINOSCLEROMA)

KOLOMIYCHENKO, Aleksey Isidorovich; GUKOVICH, Valeriya Aleksandrovna;
KHARSHAK, Yevgeniy Mikhaylovich; YASHAN, Ivan Artemovich;
YEVDOSHCHENKO, Ye.A., red.; GITISHTSEYN, A.D., tekhn. red.

[Operations on the stirrup in otosclerosis] Operatsii na stre-
meni pri otoskleroze. Pod obshchei red. A.I.Kolomiichenko.
Kiev, Gosmedizdat USSR, 1962. 280 p. (MIRA 16:1)
(OTOSCLEROSIS) (TYMPANAL ORGAN--SURGERY)

YEVDOSHCHENKO, Ye.A., kand.med.nauk

Immediate results of a stapes mobilization operation in fractures of its crura in otosclerosis. Zhur.ush., nos.1 gorl.bol. 22 no.4: 29-33 JI-Ag '62. (MIRA 16:2)

1. Iz Nauchno-issledovatel'skogo instituta otolaringologii Ministerstva zdravookhraneniya UkrSSR (dir. - zasluzhennyy deyatel' nauki prof. A.I. Kolochiyenko).
(OTOSCLEROSIS) (TYMPANAL ORGAN—SURGERY)

YEVDOSHCHENKO, Ye.A., kand. med. nauk

Provision of otosclerosis patients with vitamins C and B₁ before and after surgery on the stapes. Zhur.ush., nov. i gor. bol., 22 no. 6: 38-42 N-D'62. (MIRA 16:7)

1. Iz Nauchno-issledovatel'skogo instituta otolaringologii Ministerstva zdravookhraneniya UkrSSR (dir.-zasluzhennyy deyatel' nauki prof. A.I. Kolomiychenko).
(EAR-SURGERY) (VITAMIN THERAPY) (OTOSCLEROSIS)

YEVDOSHCHENKO, Ye.A., kand.med.nauk

Outcome of surgical injuries of the stapes in otosclerosis
patients. Zhur. ush., nos. i gorl. bol. 23 no.4:26-33 J1-Ag'63.
(MIRA 16:10)

1. Iz nauchno-issledovatel'skogo instituta otolaringologii
Ministerstva zdravookhraneniya UkrSSR (direktor - zasluzhennyy
deyatel' nauki prof. A.I.Kolomiychenko, konsul'tant - za-
sluzhennyy deyatel' nauki prof. M.K.Del')
(OTOSCLEROSIS) (SURGERY — COMPLICATIONS AND SEQUELAE)

YEVDOSHCHENKO, Ye.A., kand. med. nauk

Healing of experimental fractures of the stapes. Zhur. ush. nos. i
gorl. bol. 23:41-51 N-D '63.

1. Iz Nauchno-issledovatel'skogo instituta otolaringologii
Ministerstva zdravookhraneniya UkrSSR (direktor-zasluzhennyy
deyatel' nauki prof. A.I. Kolomiychenko, konsul'tant raboty-
zasluzhennyy deyatel' nauki prof. M.K. Dal').

YEVDOSHCHENKO, Ye.A., kand. med. nauk (Kiyev)

Outcome of surgical fractures of the stapes according to data on repeated operations. Zhur. ush., nos. 1 gor. bol. 24 no.2:46-51
Mr-Apr '64 (MIRA 18:1)

1. Nauchno-issledovatel'skiy institut otolaringologii Ministerstva zdavook'raneniya UkrSSR. Nauchnyy rukovoditel' - zasluzhennyy deyatel nauki prof. A.I. Kolomychenko.

YEVDOSHCHENKO, Ye.A., kand.med.nauk

Changes in the external auditory meatus and tympanic membrane
following intra-aural operations on the stapes. Zhur.ush., nos.
i gorl. bol. 24 no.5:32-36 S-0 '64. (MIRA 18:3)

1. Iz Nauchno-issledovatel'skogo instituta otolaringologii
Ministerstva zdravookhraneniya UkrSSR (dir. - zasluzhennyi deyatel'
nauki prof. A.I.Kolomiychenko, konsul'tant raboty - zasluzhennyi
deyatel' nauki prof. M.K.Dal').

YEVDOSENEKO, F.N., vetvrach; TSYBUL'SKIY, L.A., kand. sel'skokhozyaystvennykh
nauk

Dehorning calves. Zhivetnovodstvo 21 no.4:70-72 Ap '59.
(MIRA 12:5)
(Dehorning)

YEVDOSEENKO, V. G., PRONCHENAYA, T. L.

"On the infectivity of the North Kirgizian wild animals with the Q-fever virus." p. 132

Desyatoye Soveshchaniye po parazitologicheskim problemam i prirodnoochoagovym boleznyam. 22-29 Okiyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

YEVDOSHENKO, V. G.

USSR / Virology. Human and Animal Viruses. Rabies Virus.

E-3

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 81278

Author : Yevdoshenko, V. G.

Inst : Kirgiz Scientific Research Institute of Epidemiology, Microbiology and Hygiene.

Title : Antibody Dynamics in Humans Vaccinated Against Rabies.

Orig Pub : Sb. tr. Kirg. n.-i. in-ta epidemiol., mikrobiol. i gigiyeny, 1956, vyp. 2, 49-62.

Abstract : In persons who underwent antirabies vaccinations by Fermi, Philips, and Fermi-Philips vaccine, the virus-neutralizing bodies to the strain of fixated virus appear by the 8-13th day; they attain greatest development 1 month after the course of vaccinations is completed. The antibody titers depend on the amount of vaccine introduced during the entire course; the smallest titers were observed on those vaccinated for 15-90 days by Philips vaccine and were preserved for approximately

Card 1/2

YEVDOSHENKO, V. G., Cand Med Inst ---(diss) "Study of the duration of antirabies immunity and effectiveness of Fermi vaccine in regard to strains of street rabies virus isolated in Kirgizia." Frunze, 1957. 12 pp (Kirgiz Inst of Epidemiology, ~~and Hygiene~~ Microbiology, and Hygiene), 210 copies (KL, 2-58, 115)

YEVDOSEHENKO, V. G., PROKESHCHAYA, T. L.

"Q-fever in Kirgizia." p. 138

Desyatoye Soveshchaniye po parazitologicheskim problemam i prirodnouchagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

Kirgizan Inst. of Epidemiology, Microbiology and Hygiene/Frunze

PROPESHNAYA, T.L.; RAPOPORT, L.P.; YEVDOSHENKO, V.G.; KICHATOV, E.A.

Data for a study of natural foci of Q fever in Kirghizistan.
Zhur.mikrobiol.epid.i immun. 31 no.9:32-37 S '60. (MIRA 13:11)

1. Iz Kirgizskogo instituta epidemiologii, mikrobiologii i gigiyeny
i Kirgizskoy protivochumnoy stantsii.
(KIRGHIZISTAN--Q FEVER)

YEVDOSHENKO, V.G.; PRORESHNAYA, T.L.

Natural infectivity of wild animals in northern Kirgizhia by the
pathogen of Q fever. Vop. virus. 6 no.5:602-605 S-0 '61.

(MIRA 15:1)

1. Kirgizskiy institut epidemiologii, mikrobiologii i gigiyeny.
(Q FEVER) (KIRGHIZISTAN ANIMALS AS CARRIERS OF DISEASE)

YEVDOSHENKO, V.G.; KICHATOV, E.A.; PRORESHINAYA, T.L.

Experimental study of possible methods of infection of mammals with Q fever and their excretion of the pathogen into the external environment. Vop.virus. 7 no.3:353-356 My-Je '61. (MIRA 14:7)

1. Kirgizskiy institut epidemiologii, mikrobiologii i gigiyeny, Frunze.

(Q FEVER)

YEVDOSHENKO, V.Sh.; MINEYEVA, R.M.; MASHKEVICH, A.A.; CHIKHALOVA, V.S.

Preliminary results of mass immunization of the population of Kirghizistan with "live" poliomyelitis vaccine. Sov. zdrav. Kir. no.1:38-43 Ja-F '62. (MIRA 15:4)

1. Iz Kirgizakogo instituta epidemiologii, mikrobiologii i gigiyeny (direktor - kand.med.nauk V.M.Pereygin).
(KIRGHIZISTAN---POLIOMYELITIS)

YEVDOSYUK, V.K.

Conference on standardization at the Kherson Economic Council.

Standartizatsiia 26 no.2:53-54 F '62.

(MIRA 15:2)

(Kherson Province--Standardization)

YEVDOTIYEVA

11.

222119

USSR/Medicine - Tissue Therapy

Dec 51

"Tissue Therapy in Bronchial Asthma of Children,"
M. Yevdotiyeva, Cand Med Sci, Chair of Propedu-
tics of Children's Diseases, Tashkent Med Inst

"Vop Red i Okran Mater i Det" Vol XIX, No 6, p 29

Author used tissue of the suprarenal gland, prepa-
tion in the laboratory of G. Ye. Rymyanisev. Implants-
tion was done in the left subcostal area. If
paroxysms persisted, tissue grafts were repeated at
intervals of 4-6 wks postoperatively. It was noted
that frequently, a secondary graft assisted in the
absorption of the 1st implantation. A favorable

222119

prognosis has been indicated in children with recent
disease, only slight improvement in cases of long
duration. No general standardization permitting
prognosis of results has been obtained.

YEVDOVICH, V. YE.

KOVAL'CHUK, V.P.; YEVDOVICH, V. Ye.

Some aspects of automobile tire repair in foreign countries.

Kauch.1 rez. 16 no.4:32-36 Ap '57.

(WIRA 10:7)

(Automobiles--Tires--Repairing)

30(1)

AUTHORS:

Zhuravel', P.A. and Yevdushchenko, A.V. SOV/21-59-3-19/27

TITLE:

On the Study of the Hydrobiology of the Makortovskiy Reservoir in the Krivoy Rog Basin (K izucheniyu gidrobiologii Makortovskogo vodokhranilishcha v Krivorozhskom bassejne)

PERIODICAL:

Dopovidi Akademii nauk Ukraini's'koi RSR, 1959, Nr 3, pp 309-311 (USSR)

ABSTRACT:

In order to secure access to certain iron ore deposits of the Krivoy Rog Basin, a section of the Saksagan' river was diverted creating several water reservoirs, the largest of which is the Makortovskiy reservoir, located within the Pyatikhatskiy and Sofiyevskiy rayons of the Dnepropetrovskaya oblast'. Its area of lower banked-up water is 2,000 hectares. The depth at the dam is about 20 m. It was filled in 1957. A considerable variety of mollusks, higher crustaceans, fish, etc, has already been introduced into the reservoir, and more will follow. This undertaking and the study

Card 1/2

SOV/21-59-3-19/27

On the Study of the Hydrobiology of the Makortevskiy Reservoir
in the Kriyvoy Rog Basin

of the reservoir are in the hands of Institut gidrobiologii Dnepropetrovskogo universiteta (Institute of Hydrobiology of Dnepropetrovsk University) and Oblastnaya sanitarnaya inspeksiya (Ob- last' Sanitary Inspection). The authors encourage the use of the reservoir for fish breeding and emphasize the necessity of further hydrobiological and ichthyological studies of the reservoir. There are 8 Soviet references.

ASSOCIATION: Institut gidrobiologii Dnepropetrovskogo gosudarstvennogo universiteta (Institute of Hydrobiology of Dnepropetrovsk State University)

PRESENTED: December 12, 1958, by A.P. Markevich, Member of the AS UkrSSR

Card 2/2

YEVDUSHCHENKO, A.V., nauchnyy sotrudnik

Higher aquatic vegetation of the middle Dnieper system in the
Kremenchug-Dneprodzerzhinsk section. Vest. Dnep. nauch.-issl.
inst. gidrobiol. 12:79-91 '60. (MIRA 14:12)
(Dnieper Valley--Fresh-water flora)

YEVDYUKOV, M.V.

Cantilever turning chuck holder. Mashinostroitel' no.8:15
Ag '63. (MIRA 16:10)

NOZDRASHEV, N.M.; YEVELENKO, Ya.M.

Counterbore for malleable cast iron. Mashinostroitel'
N '61.

(Metal-cutting tools)

no.11:14
(MIRA 14:11)

YEVELENKO, Ya.M.

Turntable for universal upright drilling machines, Mashinostroitel'
no.9:32 S '63. (MIRA 16:10)

(Drilling and boring machinery)

SHAKHNAZAROV, A.B., prof.; YEVELEV, S.M.; KAGANOVICH, R.A. (Simferopol')

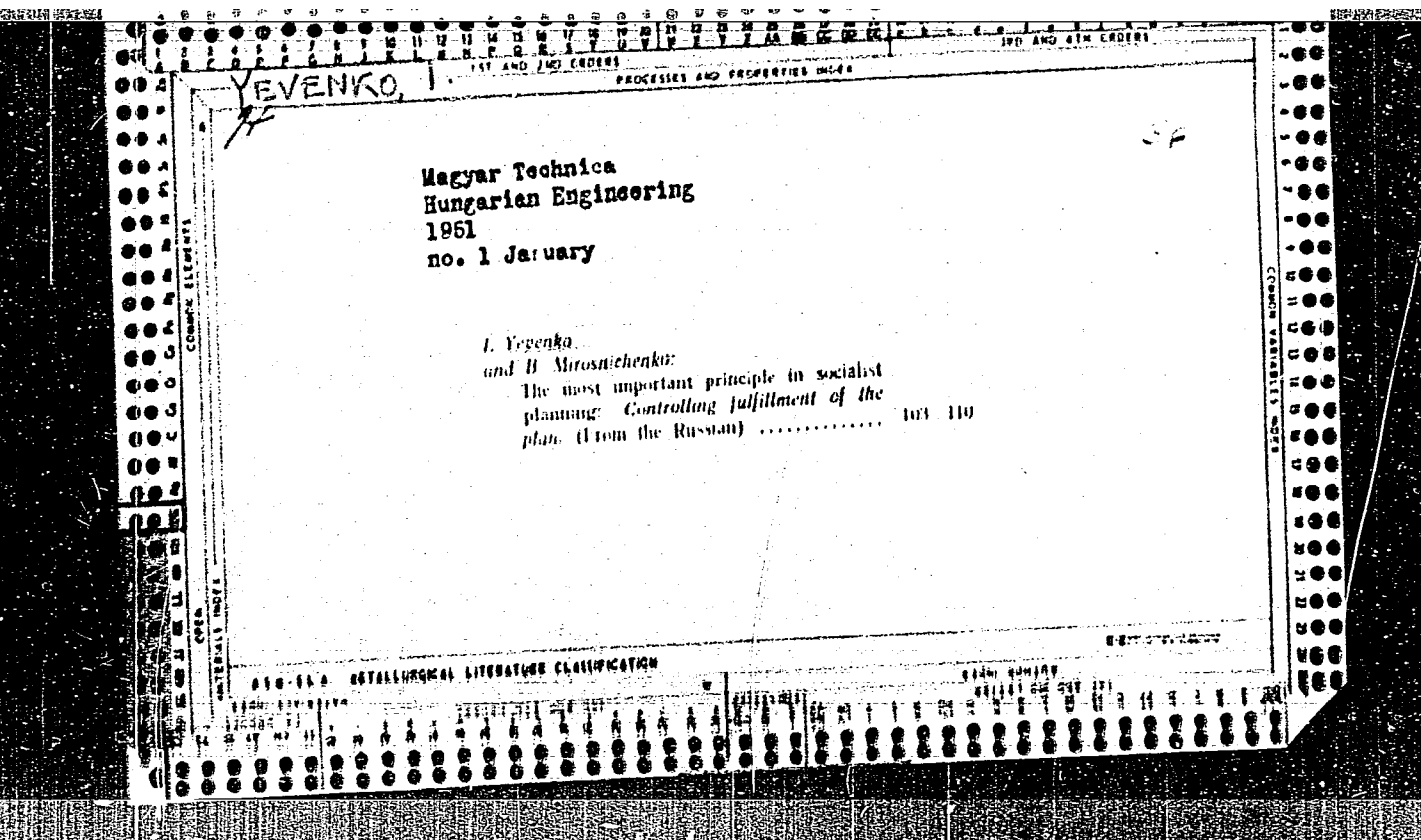
Malignantly degenerating dermoid cyst of the mediastinum observed for twelve years. Vrach. delo no.4:128-130 Ap'63. (MIRA 16:7)

1. Kafedra propedevtiki vnutrennikh bolezney (zav.-prof. A.B, Shakhnazarov) Krymskogo meditsinskogo instituta i Pervaya Simferopol'skaya gorodskaya bol'nitsa.
(MEDIASTINUM--CANCER)

LINEVICH, E.A., and; SEVSTOV, V.A., which

Experience of a prolonged antibacterial therapy of some forms
of tuberculosis based on data of the Saratov tuberculosis dis-
pensary of the Volga Valley Railroad Hospital. Soc. nauch.
Rus. Ser. gos. med. inst. 44:313-318 1944.

(MIRA 18:7)



YEVENKO, I.

What are the prospects of the development of producers'
cooperative societies? Prom.koop. 14 no.6:15-16
Je '60. (MIRA 13:7)
(Cooperative societies)

YEVENKO, Ivan Andreyevich; KOMAROVA, T.F., red.; ATROSHCHENKO, L.Ye.,
tekhn.red.

[Development of the U.S.S.R. national economy during the
seven-year plan] Razvitie narodnogo khoziaistva SSSR v
semiletke. Moskva, Izd-vo "Znanie," 1959. 47 p. (Vse-
soiuznoe obshchestvo po rasprostraneniю politicheskikh
i nauchnykh znaniy. Ser.3, Ekonomika, no.22) (MIRA 12:8)
(Russia--Economic policy)

~~YEVENKO~~ Ivan Andreyevich; KALMYK, V.A., red.; GERASIMOVA, Ye.S.,
tekhn.red.

[Present-stage problems of planning in the U.S.S.R.] Voprosy
planirovaniia v SSSR na sovremennom etape. Moskva, Gosplanizdat,
1959. 207 p. (MIRA 12:12)
(Russia--Economic policy)

YEVENKO, IVAN ANDREYEVICH

Planning in the U.S.S.R. Moscow, Foreign Languages
Publishing House, 1961.

249 p. charts, tables.

Translated from the original Russian: Planirovaniye
v SSSR na sovremennom etape, Moscow, 1959.

Bibliographical footnotes.

YEVENKO, P.I.

Modernization of roller dryers. Der. prom. ll no.7:24-25 J1 '62.
(MIRA 17:1)

YEVENKO, P.Kh.

Pneumatic glue setting machine with electric contact heating
for the veneering of grooves. Der.prom. 11 no.6:23 Je '62.
(MIRA 15:6)
(Veneers and veneering--Equipment and supplies)

IVENKO, S. K.

Metallurgical Abst.
Vol. 21 Apr. 1954
Joining

Met ①

Arc-Welding Experience with Aluminum. S. K. Evenko
(*Arbog. Data*, 1953, 24, (1), 23-31). [In Russian]. Arc
welding of Al is described. Specifications regarding the
prepn. and properties of electrodes and making of welded
joints are given. Advantages of arc welding over the gas
welding are pointed out. --S. K. L.

YEVENKO, S. K.

135-10-10/19

AUTHOR: Yevenko, S.K., Engineer

TITLE: Arc-Welding of Steel "3H484" (sichromal) (Dugovaya svarka stali "3H-484" (sikhromal)

PERIODICAL: Svarochnoye Proizvodstvo, 1957, No 10, pp 31-32 (USSR)

ABSTRACT: The technology of welding coiled tubes of heat-resistant steel "3H-484" for temperature conditions of up to 1,200° C by an apparatus built by the author's plant is described. The "3H-484" steel is of the semi-ferritic class, has coarse grain which is not refinable by heat treatment. Its chemical composition and mechanical properties are given, including preheating procedures, machining of butt ends, composition of electrode coating (containing ferrotitanium) and the method of applying the coating to the electrode wire. Welding is done by hand, in multiple-bead seams. The first bead is made with a 4 mm diameter wire, the following beads are made - with a 5 mm wire. Preheating to 150 - 200° C during the welding process is performed with a gas torch and neutral flame. For welding flanges of steel "1X 18 H9T" to tubes of steel "3H484", as well as for joining jackets of steel "0T3", the wire electrodes "CB-OX18 H9 C 2" with coating "YOHN -13/55" are used. Welding current of inverse polarity is used, preheating to 150 -

Card 1/2

Arc-Welding of Steel " 484" (sichromal)

135-10-10/19

200° C is practiced. The jacket surfaces are sandblasted prior to welding. The mechanical properties of joints and the microstructures of the joints are indicated in the article. It is stated that the weld metal is sound and contains no pores or cracks. There is one chart.

ASSOCIATION: Sumy Machinebuilding Plant imeni Frunze (Sumskiy mashinostroitel'nyy zavod imeni Frunze)

AVAILABLE: Libra. Congress

Card 2/2

1352. POTENTIAL FUEL SAVINGS IN TRANSPORT. Evenko, V. I. and Belyankin, A. A. (Za Ekonomiyu Topliva (Fuel Econ.)), 1949, (6), 21-23).

Transport is responsible for 30% of the total fuel consumed in the U.S.S.R., and 80% of this is consumed by steam locomotives. The authors examine various factors affecting locomotive fuel consumption and stress the desirability of introducing mechanical forced draught. (L).

ASII-5LA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND SECTORS PROCESSES AND PROPERTIES INDEX

3RD AND 4TH SECTORS

5TH SECTOR

6TH SECTOR

7TH SECTOR

8TH SECTOR

9TH SECTOR

10TH SECTOR

11TH SECTOR

12TH SECTOR

13TH SECTOR

14TH SECTOR

15TH SECTOR

16TH SECTOR

17TH SECTOR

18TH SECTOR

19TH SECTOR

20TH SECTOR

21ST SECTOR

22ND SECTOR

23RD SECTOR

24TH SECTOR

25TH SECTOR

26TH SECTOR

27TH SECTOR

28TH SECTOR

29TH SECTOR

30TH SECTOR

31ST SECTOR

32ND SECTOR

33RD SECTOR

34TH SECTOR

35TH SECTOR

36TH SECTOR

37TH SECTOR

38TH SECTOR

39TH SECTOR

40TH SECTOR

41ST SECTOR

42ND SECTOR

43RD SECTOR

44TH SECTOR

45TH SECTOR

46TH SECTOR

47TH SECTOR

48TH SECTOR

49TH SECTOR

50TH SECTOR

51ST SECTOR

52ND SECTOR

53RD SECTOR

54TH SECTOR

55TH SECTOR

56TH SECTOR

57TH SECTOR

58TH SECTOR

59TH SECTOR

60TH SECTOR

61ST SECTOR

62ND SECTOR

63RD SECTOR

64TH SECTOR

65TH SECTOR

66TH SECTOR

67TH SECTOR

68TH SECTOR

69TH SECTOR

70TH SECTOR

71ST SECTOR

72ND SECTOR

73RD SECTOR

74TH SECTOR

75TH SECTOR

76TH SECTOR

77TH SECTOR

78TH SECTOR

79TH SECTOR

80TH SECTOR

81ST SECTOR

82ND SECTOR

83RD SECTOR

84TH SECTOR

85TH SECTOR

86TH SECTOR

87TH SECTOR

88TH SECTOR

89TH SECTOR

90TH SECTOR

91ST SECTOR

92ND SECTOR

93RD SECTOR

94TH SECTOR

95TH SECTOR

96TH SECTOR

97TH SECTOR

98TH SECTOR

99TH SECTOR

100TH SECTOR

YEVENKO, V. I.

"Investigation of the Process of Steam Exhaust From the Cylinders of a Locomotive Engine." Sub 26 Nov 51, Moscow Order of the Labor Red Banner Higher Technical School imeni N. E. Bauman

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

YEVENKO, V.I.; BELOV, V.F.; BELYANKIN, A.A.; DOLINZHEV, A.I., redaktor;
~~DR~~(BINSKIY, V.A., redaktor; VERINA, G.P., tekhnicheskii redaktor.

[Theory and calculations for steam locomotives] Teoriia i raschet
parovoza. Moskva, Gos. transp. shol-dor. izd-vo 1951. 319 p.
(Locomotives) (MLBA 8:2)

YEVENKO, V. I.

UL'YANITSKIY, V.A., professor [deceased] YEVENKO, V.I., retsenzent;
BLIZNYANSKIY, A.S., inzhener, redaktor; MODEL', B.I., tekhnicheskiy
redaktor

[Construction and calculation of broad-gauge and narrow-gauge
locomotives] Konstruirovaniye i raschet parovozov shirokoi i uskoi
kolei. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit.
lit-ry, 1953. 540 p. (MLBA 7:8)
(Locomotives)

YEVENKO, V. I. and FILIPPOV, V. V.

"Processes of Intake and Exhaust in Steam Engines," State Scientific-Technical Publishing House for Literature on Machine Building, Moscow, 1955

This book contains equations establishing the relation between pressure and volume in steam engine cylinders during intake and exhaust of steam. Examples of designing intake and exhaust lines are given.

D 492027

YEVENKO, V.I., kand.tekhn.nauk

Thermodynamic analysis of diesel locomotive engines equipped with
gas transmissions. Trudy BYTM no.17:103-120 '57. (MIRA 11:10)
(Diesel locomotives)

YEVENKO, V.I., kand.tekhn.nauk

~~SECRET~~ Determining gas consumption of diesel locomotive engines equipped
with gas transmissions. Trudy BITM no.17:121-136 '57.
(Diesel locomotives) (MIFA 11:10)

YEVHENKO, V.I., kand.tekhn.nauk, dots.

Some questions pertaining to the calculation of a free-piston
gas producer. Izv.vys.ucheb.zav.; energ. 3 no.6:86-96
Je '60. (MIRA 13:6)

1. Bryanskiy institut transportnogo mashinostroyeniya. Predstavle-
na kafedroy lokomotivostroyeniya.
(Gas producers)

S/262/62/000/013/005/006
1007/1207

AUTHOR: Yevenko, V.I.

TITLE: Combined operation of gas turbine and free-piston gas generator.

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42: silovyye ustanovki, no. 19, 1962, abstract 4219356 (Collection. tr. Bryanski in-t transp. mashinostroyeniya, 1961, 30-96).

TEXT: Discharge curves of free-piston gas generators are plotted, and average temperature of generated gas is determined. Discharge curves for gas turbines and for combined operation of free-piston gas-generator and gas turbine are also given. ✓

Abstractor's note: Complete translation. }

Card 1/1

S/262/62/000/012/010/013
1007/1207

AUTHOR: Yevenko, V. I.

TITLE: Proposal for the use of free piston gas turbine units in locomotives

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, 12, 1962, 91, abstract 42.12.608. "Collzction tr. Bryansku in-t transp mashinostr.", no. 20, 1961, 55-66

TEXT: Resulting from an analysis of performance and advantages of a combined, free-piston-gas turbine unit (possibility of using low-grade liquid fuel; long service life with minimum routine repair; simple design of power transmission from the engine to the locomotive wheels), the author shows that there are considerable advantages of the free-piston unit compared with the diesel engine, and stresses the possibilities of using this type of driving plant for use on long-range and/or shunting locomotives.

[Abstracter's note: Complete translation.]

Card 1/1

S/262/62/000/012/009/013
I007/I207

AUTHOR: Yevenko, V. I., Soroko, M. I., Apanovich, N. G.

TITLE: Methods of increasing the economic efficiency of free-piston gas turbine units under partial load

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 12, 1962, 91, abstract 42.12.607. "Collection Tr. Bryansk. in-t transp. mashinostr.", no. 20, 1961, 67-85

TEXT: An economically efficient and simple method to widen the common range of operation of a combined gas turbine and free piston gas-generator plant is to separate the inlet of gas from each free piston unit to a definite nozzle group of the regulating stage of the turbine. When several free piston units are feeding a single intake manifold, the common range of operation of the free piston unit and the gas turbine can be widened by varying (in steps) the dead clearances (space) in the compressor cylinders of the free piston unit through the connection of additional space. Such a method has a definite thermodynamical advantage as compared with the recirculation of the scavenging air. The performance of the whole plant may also be improved by varying the flow sections in the nozzles of the turbine stages.

[Abstracter's note: Complete translation.]

Card 1/1

S/262/62/000/014/015/016
1007/1207

AUTHOR: Yevenko, V. I.

TITLE: Determination of the pressure losses in compressor valves and intake ports of a free-piston gas engine

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 14, 1962, 78, abstract 4214535 (Collection tr. Bryanskiy in-t transp. mashinostr., no. 20, 1961, 97-106)

TEXT: The most exact design of free-piston gas engines can be obtained by the method of successive approximations. A method is studied of determining the pressure losses in compressor valves and engine ports, based on the use of results of preliminary, free-piston gas engine calculations. The data obtained are introduced into a second computation intended for refining the results of the preliminary calculation.

[Abstracter's note: Complete translation.]

Card 1/1

YEVENKO, V.I., kand.tekhn.nauk, dotsent

Concerning the effective efficiency of a gas turbine system with
a free-piston gas generator. Izv.vys.ucheb.zav.; energ. 5
no.4:68-78 Ap '62. (MIRA 15:5)

1. Bryanskiy institut transportnogo mashinostroyeniya. Predstavlena
kafedroy lokomotivostroyeniya.
(Gas trubines)

YEVENKO, V.I., kand.tekhn.nauk

Prospects of the use of gas turbine units with free-piston gas
generators for locomotives. Sbor.trud.BITM no.20:55-66 '61.

(MIRA 15:3)

(Gas-turbine locomotives)

YEVENKO, V.I., kand.tekhn.nauk; SOROKO, M.I., kand.tekhn.nauk; APANOVICH,
N.G., inzh.

Ways of improving the economic indices of gas-turbine units with
free-piston gas generators in case of partial power output.

Sbor.trud.BITM no.20:67-85 '61. (MIRA 15:3)

(Gas turbines)

YEVENKO, V.I., kand.tekhn.nauk

Joint operation of a free-piston gas generator and gas turbine.
Sbor.trud.BITM no.20:86-96 '61. (MIRA 15:3)
(Gas turbines)

YEVENKO, V.I., kand.tekhn.nauk

Determining pressure losses in the compressor valves and engine
windows of a free piston gas generator. Sbor.trud.BITM no.20:
97-106 '61. (MIRA 15:3)
(Gas producers--Testing)

MALINOV, M.S.; KULIKOV, Yu.A.; CHERTOK, Ye.B.; YEVENKO, V.I., kand.
tekhn. nauk, retsenzent; UVAROVA, A.F., tekhn. red.

[Cooling systems of diesel locomotives] Okhlazhdaushchie
ustroistva teplovozov. Moskva, Mashgiz, 1962. 256 p.

(MIRA 16:1)

(Diesel locomotives--Cooling)

YEVENKO, V. I. kand.tekhn.nauk, dotsent

Methodology for approximation calculation of the change of state
of a gas stipulated by outflow processes. Izv. vys. ucheb. zav.;
energ. 6 no.5:75-85 My '63. (MIRA 16:7)

1. Bryanskiy institut transportnogo mashinostroyeniya. Predstavlena
kafedroy lokomotivostroyeniya Bryanskogo instituta transportnogo
mashinostroyeniya.
(Fluid dynamics) (Gas turbines)

YEVENKO, V.I., kand. tekhn. nauk

Optimum circuit for the cooling system of diesel locomotives.
Zhel. dor. transp. 46 no.1:34-37 Ja '64. (MIRA 17:8)

YEVENKO, V.J., kand. tekhn. nauk, dotsent

Effect of the volume of a receiver and phase regulator on the performance of a free-piston gas producer. Izv. vys. ucheb. zav.; mashinostr. no.8:108-114 '65. (MIRA 18:10)

1. Bryanskiy institut transportnogo mashinostroyeniya.

00387-66

ACCESSION NR: AR5014008

UR/0273/65/000/004/0046/0046

621.43-117:622.76

240

SOURCE: Ref. zh. Dvigateli vnutrennego sgoraniya. Otdelnyy vypusk, Abs. 4.39.376

AUTHOR: Yevenko, V. I.

TITLE: A design problem for a locomotive power plant with free-piston gas generators

CITED SOURCE: Tr. Bryanskogo in-ta transp. mashinostr. vyp. 20, 1965, 76-84

TOPIC TAGS: gas turbine locomotive, free piston compressor, plant design modification, compressor cavity supercharging, auxiliary combustion chamber, water injection system, valve plate placement

TRANSLATION: The article discusses the feasibility of designing a gas turbine locomotive with 5500-6000 hp free-piston gas generators (FPGG) in one section by incorporating such design modifications as the supercharging of compressor cavities, an auxiliary combustion chamber between the FPGG and the turbine, water injection into the compressor, etc. Diagrams are given to illustrate the relative variation of power and efficiency in relation to the level of pressure rise in the supercharger. Maximum power increase is 20 - 25%, while efficiency is reduced by 11 - 12%. The inclusion of a supplemental combustion

Card 1/2

L 00387-66

ACCESSION NR: AR5014008

chamber in the design of an FPGG gas turbine plant makes possible an increase in the pre-turbine gas temperature, hence an improvement in power by 35 to 40% at a minor outlay in metal (combustion chamber), while efficiency declines by only 15 - 18%. The plant's power increases by about 4.5% when the idle space in the FPGG compressor is reduced by 1/100th. A reduction of compressor idle space is related to a danger of piston impact on valve plates in starting. This is eliminated by employing a dual position placement of the valve plate. Injection of water into the compressor during the air compression stage makes possible a rise in pressure behind the compressor, while the compressed air temperature is maintained at an assigned level. Power improves in the latter case by 17-20%, and efficiency by 5%. The number of generator cycles increases when the weight of the piston group is reduced, resulting in improved power and performance. The author emphasizes the significance of reducing linear dimensions of the generator from the standpoint of improved power density of the powerplant. Bibli. with 2 titles; 1 table and 5 illustrations. P. Shelest

SUB CODE: PR

ENCL: 00

Card

2/2

YEVENKO, V.I., kand.tekhn.nauk, dotsent

Determining the recompensation term of a set of new machines.
Vest.mashinostr. 45 no.11:70-71 N '65.

(MIRA 18:12)

YEVENKO, V.I., kand.tekhn.nauk, dotsent

Development of a power supply system with free-piston gas producers for locomotives. Trudy BITM no.21:76-84 '64.

Dimensionless characteristics of the joint work of the engine and hydraulic drive of a locomotive. Ibid.:85-93

(MIRA 18:8)

L 14704-66 EMT(d)/EMT(n)/EWP(f)/T-2
ACC NR: AP6003988

SOURCE CODE: UR/0145/65/000/003/0103/0114

AUTHOR: Yevenko, V. I. (Candidate of technical sciences, Docent)

ORG: Bryansk Institute of Transportation Machinery Construction (Bryanskiy institut transportnogo mashinostroyeniya)

TITLE: Effects of receiver and phase regulator volumes on the operation of a free piston gas generator

SOURCE: IVUZ. Mashinostroyeniye, no. 8, 1965, 108-114

TOPIC TAGS: gas turbine, gas compressor

ABSTRACT: This analysis of pressure changes in the scavenging and gas receivers of a free piston gas generator produced data on the quantitative effects of receiver and phase regulator volumes upon the power and economy of gas turbine plants with FPGG. The pressure pulsations at the inlet of a gas turbine supplied by a FPGG can be reduced by using a phase regulator (V. K. Koshkin and B. R. Levin. Dvigateli so svobodno dvizhushchimisya porshnyami, Mashgiz, 1954). The author's previously published methods (Metodika priblizhennogo rascheta izmeneniy sostoyaniya gaza, Izvestiya vuzov. Energetika, 1963, No. 5) were used to determine the pressure

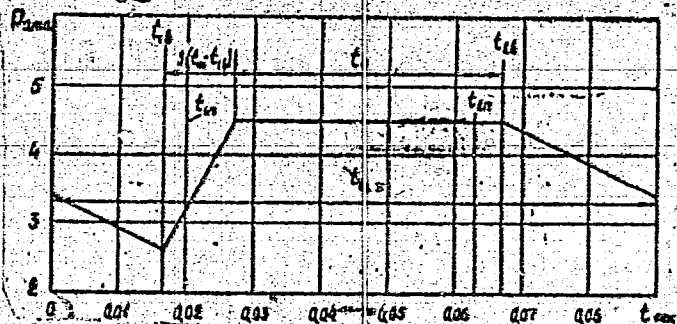
Card 1/4

UDC: 629.113.4

L 14704-66
ACC NR: AF60039E8

changes in the scavenging and gas re-overs of FPGGs with and without phase regulation. For the latter case, the average pressure in the turbine inlet receiver is derived from the approximate curve in Fig. 1.

Fig. 1. Simplified pressure trace in the turbine inlet receiver.



as

$$\bar{p}_{ap} \approx \left(1 + \frac{\Delta G_s}{G_{pmin}}\right) \times \left(1 + \frac{1 + 0.4\sqrt{\psi_s} - 1.2\sqrt{\psi_s - \frac{h_{pr} - h_s}{s} \Delta G_{pr}}}{1 - 0.4\sqrt{\psi_s} + 1.2\sqrt{\psi_s - \frac{h_{pr} - h_s}{s} \Delta G_{pr}}} \right) p_{pr}$$

Card 2/4

L 14704-66

A 10 00: 486007136

where

$$P_r = P_{rmin} + \frac{P_{rmax} - P_{rmin}}{2L} \cdot t$$

$\Delta Q_{sc}, \bar{Q}_{sc}, \Delta Q_{ex}, \bar{Q}_{exmin}$ = amounts of gas leaving the receiver during the

scavenging and exhaust ports: Ψ_3 = relative loss of piston travel due to exhaust ports). It can be seen that increased receiver volume decreases $\Delta p - \bar{p}_r, \bar{p}_r$ and thus improves economy. The pressure changes for a BECG with phase regulation are as shown in Fig. 2,

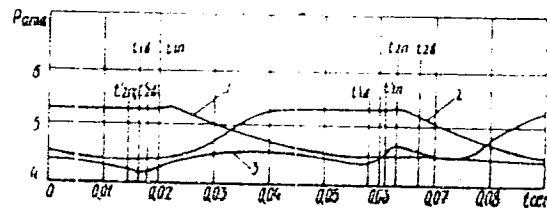


Fig. 2. Receiver pressure changes: 1 - scavenging in first generator; 2 - scavenging in second generator; 3 - turbine inlet.

Card 3/4

L 14704-66
ACC ER: AP6003988

and the average pressure is expressed as

$$\bar{p}_{pp} \approx p_{pr} + \Delta p_{pd} + \Delta p_{Ed}$$

(where Δp_{pd} and Δp_{Ed} = pressure drops across scavenging and exhaust ports).

Neither the receiver volume nor the phase regulator has an effect on flow rate or temperature, but, because of their effects on gas pressure, the power output changes as

$$\frac{N}{N_0} = \frac{1 - \left(\frac{1}{\sigma_r}\right)^{\frac{k-1}{k}}}{1 - \left(\frac{1}{\sigma_{r_0}}\right)^{\frac{k-1}{k}}}$$

(where $\sigma_r = \frac{p_{pr}}{p_{r_0}}$ is the turbine pressure ratio; subscript c refers to the values at

initial receiver volume). Orig. art. has: 10 formulas and 3 figures.

SUB CODE: 21/ SUBM DATE: 01Aug63/ ORIG REF: 005

Card 4/4

YEVENKO, V.I., kand. tekhn.nauk, dotsent; SHISHKOV, V.M., inzh.

Study of the heat exchange and resistance of tubes finned with
corrugated strips. Izv. vys ucheb. zav.; energ. 8 no.5:106-
110 My '65. (MIRA 18:6)

1. Bryanskiy institut transportnogo mashinestroyeniya.
Predstavlena kafedroy teplotekhniki.

YEVENKO, V.I., kand. tekhn. nauk, dotsent

Air leakage in the compressor of a free-piston gas producer. Izv.
vys. ucheb. zav.; mashinostr. no.1:118-132 '65. (MIRA 18:5)

1. Bryanskiy institut transportnogo mashinostroyeniya.

LISOVENKO, A.T. [Lysovanko, O.T.]; PIVEN', Ye.N. [Piven', IE.N.]; REKOSLAV-
SKIY, V.V. [Rekoslavs'kyi, V.V.]; YEVENKO, Yu.N. [IEvenko, IU.M.]

Selecting the parameters of tunnel baking ovens for the purpose
of the control of their thermal conditions. Khar. prom. no.3:23-
26 JI-S '65. (MIRA 18:9)