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# FOREIGN TECHNOLOGY DIVISION



FIRM MINIMUM

by

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FIRM MINIMUM

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**U. S. BOARD ON GEOGRAPHIC NAMES TRANSLITERATION SYSTEM**

Block	Italic	Transliteration	Block	Italic	Transliteration
А а	<i>А а</i>	A, a	Р р	<i>Р р</i>	R, r
Б б	<i>Б б</i>	B, b	С с	<i>С с</i>	S, s
В в	<i>В в</i>	V, v	Т т	<i>Т т</i>	T, t
Г г	<i>Г г</i>	G, g	У у	<i>У у</i>	U, u
Д д	<i>Д д</i>	D, d	Ф ф	<i>Ф ф</i>	F, f
Е е	<i>Е е</i>	Ye, ye; E, e*	Х х	<i>Х х</i>	Kh, kh
Ж ж	<i>Ж ж</i>	Zh, zh	Ц ц	<i>Ц ц</i>	Ts, ts
З з	<i>З з</i>	Z, z	Ч ч	<i>Ч ч</i>	Ch, ch
И и	<i>И и</i>	I, i	Ш ш	<i>Ш ш</i>	Sh, sh
Й й	<i>Й й</i>	Y, y	Щ щ	<i>Щ щ</i>	Shch, shch
К к	<i>К к</i>	K, k	Ъ ъ	<i>Ъ ъ</i>	"
Л л	<i>Л л</i>	L, l	Ы ы	<i>Ы ы</i>	Y, y
М м	<i>М м</i>	M, m	Ь ь	<i>Ь ь</i>	'
Н н	<i>Н н</i>	N, n	Э э	<i>Э э</i>	E, e
О о	<i>О о</i>	O, o	Ю ю	<i>Ю ю</i>	Yu, yu
П п	<i>П п</i>	P, p	Я я	<i>Я я</i>	Ya, ya

\*ye initially, after vowels, and after ъ, ь; e elsewhere.  
When written as ѣ in Russian, transliterate as yě or ě.

**RUSSIAN AND ENGLISH TRIGONOMETRIC FUNCTIONS**

Russian	English	Russian	English	Russian	English
sin	sin	sh	sinh	arc sh	sinh <sup>-1</sup>
cos	cos	ch	cosh	arc ch	cosh <sup>-1</sup>
tg	tan	th	tanh	arc th	tanh <sup>-1</sup>
ctg	cot	cth	coth	arc cth	coth <sup>-1</sup>
sec	sec	sch	sech	arc sch	sech <sup>-1</sup>
cosec	csc	csch	csch	arc csch	csch <sup>-1</sup>

Russian      English

rot          ourl  
lg            log

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Firm minimum.

In the academies and the schools.

Our conversation from to the department of a Marxism-Leninism of the Balashovskiy higher military aviation school of airmen it went about the fact that it is done in the school for the implementation into the life of the resolution by the CC CPSU "About the measures for further development of social sciences and increase in their role in the building of Communism". But they began conversation from that how department it solves its basic, most important problem - the formation of a Marxist-Leninist ideology, the communist consciousness and high moral qualities in the future officers of airmen.

Several made by teachers of the department. Among the wards of the schools which they today furrow the scopes of the azure ocean, many officers, who gained to itself the good glory of skillful airmen and commander-teachers. Even more persistent work on the education of "winged" officer replacement it is conducted now. Cadets they are armed with the intimate knowledge of Marxism-Leninism, they are

prepared for the active participation in a political-educational work.

Natural that our conversation it touched those, who it teaches future officers. How instructors they do increase its scientific qualification? Secretary to the party organization of department major Peter Stepanovich Groshev it described about the work of its associates. It told about the fact that all it gladdens, it did not hide that still it is done not in the manner that it becomes to the department of the highest combat-training institution. Here my collocutor it did think and it did ask:

- Criticize us you will?

I will explain, that it had in mind Peter Stepanovich, being given this question. My first acquaintance with the school it took place per annum when it it became highest. This it was not similar to the replacement of signboards. At each space in the school it was felt, that it occurred considerable event. Rebuilding it revived the work, connected with an increase in the scientific, for the qualification of teachers, indeed prepare an airman-engineer they must instructors, who possess more intimate knowledge, higher pedagogical skill. It is remembered as absorbed, interestingly he told about the prospects of increasing the scientific qualification

of instructors the then head of department the candidate of historical sciences Colonel G. Pavlov.

From the time of that rendezvous it passed several years. It was completely natural on my part to ask how they were crowned effort/force it was collective department. If we present the obtained response/answer briefly, then it emerges, that the socialist work of instructors it was not thus far crowned by success. In the department no one yet had defended dissertation, everything done remained at the level of the delivery of the examinations of the candidate minimum.

That also to speak, the "firm minimum" ! Peter Stepanovich Groshev it considers his great deficiency this it it had in mind, being given me a question.

Certainly, it is possible to criticize the present head of the department colonel I. Galaychuk, the party organization of department for the fact that they, until now, they grew among its medium not one Candidate of Sciences. To the department of the higher military education establishment it is becoming to have teachers with the scientific degree, especially as in recent years even in the average/mean schools of the district several instructors they shielded candidate dissertations. But they can return work not only to the degree, it is possible to have scientific degree and to be

satisfactory/mediocre teacher. That is correct! However, this completely does not mean that in the department must not be conducted research, competitive work. It must be conducted. Moreover in a most energetic manner so that as this it requires the resolution by the CC CPSU, to ensure an improvement in the qualitative composition of scientific workers and instructors of social sciences, further increase in their ideological-theoretical level.

And this work in the department it is conducted. Lieutenant Colonels A. Zhukov, A. Svetushkov, A. Makogon they put several examinations of the candidate minimum. But each of them is thus far is still distant from the completion of the work initiated, although these instructors in the department and not the novices: Aleksandr Ivanovich Zhukov here since 1960, fifth years it teaches Aleksey Kondrat'yevich Makogon.

Do ask Aleksandr Ivanovich: that is decreased the result of work?

- At first I it undertook hotly work, he says my collocutor, then it saw: I do not manage. It happened so that philosophy I teaching one, to time it remained very little. But in the summer months when we, teachers, we roam from the airfield to the airfield, entirely it does not exist.

About this they spoke and other instructors, were carried out examples not great training and extracurricular overloading. That ~~ah~~ really under the conditions when the time of teacher it is designed without the "reserve for the science", about the fruitful creative searches, about the investigations, about the everyday extension of knowledge of its object/subject it is necessary to speak faster as about that desired.

Turning over the pages responses about the graduates, I it saw the observations of commanders about the fact that some of their wards have little initiative in the flights, they exhibit indecision. This serious signal for the teachers of the department: necessary to more deeply study psychology of the flight labor/work, in the collaboration with the best instructor-airmen, to study and to generalize experience of molding of the characters of people of courageous profession, to make this experience property and those, who it teaches, and those, who it learns. But thus far, thus far hand they do not reach.

It is necessary to say that after the appearance of the resolution by the CC CPSU the aid of political department it became that more perceived. However, made by no means fully everything so

that as should be organized the labor/work of the instructors of department, granted ~~am~~ more than time for increasing the scientific qualification. To solve this question simply, since this work internal, institutional. To more complicatedly overcome other difficulties.

Balashov - not Kazan, not Saratov, where many schools of higher education, where it works experienced scientific cadres. For teacher, who works in Balashov, it is necessary seriously to think above the fact, where to reach necessary literature, in whom to be advised.

- We discover reasons for the missions, we sacrifice its tempering, so to necessary ones and to us, and to families, we break through into the institutes, he says Aleksandr Ivanovich Zhukov. - good, if they are related with the understanding, if they sense our peripheral situation. But it is indeed and in another way ....

I was introduced to the enumeration of VUZ with which they support communications the instructors of department. Major Groshev it will pass/return the examinations of the candidate minimum in saransk, in Mordvinian state university. Lieutenant Colonel Zhukov "secured itself" to the department of Saratov State University. Lieutenant Colonel Mahogen it is oriented toward the military-political academy in. V. I. Lenin (examinations it )

already put). Lieutenant Colonel B. Smirnov it supports communications with the Voronezh pedagogical institute. List incomplete, but it is convincingly shown, how the lengths of the road of competitors, which lead to the apexes/vertexes of science.

I want to note that my collocutors they did not require allowance, they did not complain about the "local" conditions. But about the aid by it conversation it went. And they right for it to design. In many respects we could help our military academies. It did not come time so that, let us say, the department of one of the oldest military academies (I do have in mind of the department of social sciences) is would had patronage of the department of Marxism-Leninism of young school of higher education? For example. Balashovskiy or Syzran' aviation, Ulyanov tank. It seems that even arrival of one of the instructors of academy, person, who has great experience of pedagogical and scientific work, it could positively be reflected in the practical activity of the department of peripheral VUZ. Rendezvous with the associates, acquaintance with formulating of military science work on the department undoubtedly they would be completed by councils and recommendations, and there can be, and more effective results.

I named only one of the forms of this supervision, but then it can be several. It could be placed beginning, output/efficiency it

will be ! I, it can be, not compulsorily in the form of candidate dissertations, but simply in further increase in the scientific level of teaching.

But thus one additional fact. The secretary of the party committee of flight-training division lieutenant colonel A. Svetlichnyy it described to me about this case. In last year instructor of one of the military departments Lieutenant Colonel Ye. Korchak it shielded dissertation, he became the candidate of military sciences. The first teacher in the school with the scientific degree. Good ! To be glad necessary. But gladness in the school it was short-term. To Candidate of Sciences ... they proposed the function of the head of department in other VUZ.

I do not know, it can be thus they were formed the fact that Ye. Korchaka could not be left in the native school: it can be, this it was dictated by weighty considerations. But same this fact as I it understood from the conversation in the school, it caused the reaction which it does not contribute to the expansion of the work, connected with an increase in the scientific qualification of instructors. Why, they did tell me, to try, if the higher headquarters it does immediately take away/gather promising officers? My collocutors completely they did not insist that officer having defended dissertation must forever remain in the native school. But

it would be better, if this officer some time it took some pains itself in the collective in which it grew, it showed others as necessary to be perfected in the elected profession, it transmitted experience.

As is evident, difficulties in collective, department several. But because they they are named, them less it will not be. They are necessary more decisive efforts/forces in order to properly organize the work, connected with an increase in the scientific qualification of instructors, the effort/force of all collective. But thus far in the department next to those, who it lays way into the science, there are such teachers as believe, that it is possible to manage with old luggage. And this it did not find must the appraisal of the party organization of department. In its solutions it systematically calls communists to increase scientific qualification, but concrete/specific/actual measures for carrying out of its solutions it does not accept. Not one of the instructors it is heard as it it works on itself. Not one of those, who did not take part in the work on an increase in the scientific qualification, it did not answer the question: why does he stand to the side?

Work, undoubtedly, more rapidly it will go extra-red, even if the political department of school it begins to more in principle estimate the work of department, to aim it on the study of the

experience of the departments of Marxism-Leninism of other VUZ of district. There is to what to learn, for example, in the departments of the Penza highest artillery engineering, Kazan' highest command-engineering of schools. It seems that concern and need, department, shortages in her activity they deserve closer attention of the workers of the division of propaganda and agitation of the political administration of district.

Has long since it become truth, that it better teaches the one who is personally participating to the progress of science. This is why the concern about the teaching investigations and the dissertations - this and the concern about the quality of training future officers.

Lieutenant colonel I. Maximov, Correspondent of the "Red Star".

End Mt/St/1642.

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