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| | | CENTRAL INTELLIGENCE AGENCY | |
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| | COUNTRY | USSR | DATE DISTR 16 1953 50X1 |
| • | SUBJECT | Estimate of the T/O and E of Training Institutes in the Soviet Air Force | NO. OF PAGES 35. G-2 Tech Br. |
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| | 1. This report | represents my estimates of the T/O and E of the T/O and E of the T/O and E of the Soviet Air Force. | of the following types of |
| | This report training in (a) Militar | otitutes within the Soviet Air Force. | of the following types of |
| | This report training in (a) Milita: (b) Milita: (c) Milita: (d) Milita: | stitutes within the Soviet Air Force. by Air Institute for Fighter Pilots. ry Air Institute for Technical Officers ry Air Institute for Bomber Pilots (Tactic ry Air Institute for Navigators (Tactical) | al). |
| | This report training in (a) Milita: (b) Milita: (c) Milita: (d) Milita: | stitutes within the Soviet Air Force. by Air Institute for Fighter Pilots. ry Air Institute for Technical Officers ry Air Institute for Bomber Pilots (Tactical) ry Air Institute for Navigators (Long Rangery ry Air School for Aviation Mechanics. | al). |
| | <pre>1. This report training in (a) Militar (b) Militar (c) Militar (d) Militar (e) Militar (f) Militar (g) Militar (h) Militar</pre> | stitutes within the Soviet Air Force. by Air Institute for Fighter Pilots. ry Air Institute for Technical Officers ry Air Institute for Bomber Pilots (Tactica ry Air Institute for Navigators (Tactical) ry Air Institute for Navigators (Long Range | al). e). |
| | <pre>1. This report training ind (a) Milita: (b) Milita: (c) Milit</pre> | Atitutes within the Soviet Air Force. by Air Institute for Fighter Pilots. ry Air Institute for Technical Officers ry Air Institute for Bomber Pilots (Tactical) ry Air Institute for Navigators (Long Range ry Air School for Aviation Mechanics. ry Air School for Radio Operator/Gunner ry Air Institute for Pilots (Long Range). Aero Club. Clight institutes has undergone changes siz H). Three training air regiments (Uchenbu | al). e). 50X1 50X1 nce the Great Patriotic War |
| | <pre>1. This report training ind (a) Milita: (b) Milita: (c) Milit</pre> | stitutes within the Soviet Air Force. by Air Institute for Fighter Pilots. ry Air Institute for Technical Officers ry Air Institute for Bomber Pilots (Tactica ry Air Institute for Navigators (Tactical) ry Air Institute for Navigators (Long Range ry Air School for Aviation Mechanics. ry Air School for Radio Operator/Gunner ry Air Institute for Pilots (Long Range). Aero Club. Pilght institutes has undergone changes size | al). e). 50X1 50X1 nce the Great Patriotic War |
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| | <pre>1. This report training ind (a) Milita: (b) Milita: (c) Milit</pre> | Atitutes within the Soviet Air Force. by Air Institute for Fighter Pilots. ry Air Institute for Technical Officers ry Air Institute for Bomber Pilots (Tactical) ry Air Institute for Navigators (Long Range ry Air School for Aviation Mechanics. ry Air School for Radio Operator/Gunner ry Air Institute for Pilots (Long Range). Aero Club. Clight institutes has undergone changes siz H). Three training air regiments (Uchenbu | al). e). 50X1 50X1 nce the Great Patriotic War |
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| | This report, training ind (a) Militar (b) Militar (c) Militar (d) Militar (e) Militar (f) Militar (g) Militar (h) Militar (i) DOSAAF The T/O of f (World War were organiz | SUFICATION | al). e). 50X1 50X1 nce the Great Patriotic War |

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pilots. Most of these were flying solo on combat-type aircraft or were being trained to graduate on combat-type aircraft, but received one or two poor grades in a few subjects and were consequently expelled from the institute. After they were expelled, the above individuals were assigned for further service to the GSOVG (Group of Soviet Occupation Forces in Germany) as junior air specialists (assistant aircraft mechanics) assistant armaments mechanics, etc). On the basis of the above factors, the approximate T/O of these schools as of 1949. Permanent Personnel T/O of a Pilots' Air Institute (Fighter) No Duty Designation Military Grade No of pers Chief of the Institute Maj Gen of Adjutant to the Chief of the Institute Sr Lt, Capt 1. Maj Gen of Aviation 1 2,... 1 Institute Chief of Staff Institute Chief of the Political 3. Maj Gen of Aviation 1 Maj Gen of Army, 4,0 Section, simultaneously the Deputy Chief of the Institute for Political Col or Maj Gen of Aviation ٦ Matters 5. Institute Main Engineer, simultaneous- Maj Gen of Engineerly the Deputy Chief of the Institute for Aviation Service or Engineer Colonel Col of the Quarter-Engineering-Aviation Service 1 6. Institute Deputy Chief for the Rear master Service Chief of the Institute's Medical are 52, Col of the Medical 1 7. Service Service 1 8. Deputy Chief of the Institute for Lt Col, Col 1 Drill Matters 9. Institute Main Navigator Col 1 10. Institute Chief of the Officer Personnel Section Lt Col, Col 1. Chief of the Flight-Training Section 11. of the Institute, simultaneously the Institute's Deputy Chief of Staff Col 1 C. 12. Chief of the MGB Counter-Intelligence Section Lt Col, Col 1 Chief of the Institute Communications Chief of the E M Personnel Section Chief of the Finance Section 13. Lt Col 1 14. Capt, Maj Capt, Maj 1 1 16. Main bookkeeper of the Finance Section, $\frac{1}{2}$ simultaneously the Deputy Chief of the Capt, Maj Maj, Lt Col Finance Section 1 Chief of the Food Section Deputy Chief of the Food Section, 17. 1 18. simultaneously the Chief of the Capt, Maj Maj, Lt Col Capt, Maj Food Storehouse 1 19. Chief of Clothing and Equipment Supply Deputy Chief of Clothing and Equip-1 20. 1 ment Supply, similtaneously the Chief of the Clothing and Equipment Storehouse Petroleum, Oil and Lubricants Chief 21. Capt of the Air Technical Service 1 Capt, Maj of the Air Technical Service Capt, Maj of the Air 22. Institute Chief of the Technical Section 1 23. Institute Chief of Combat Supplies (Boyepitaniya) Technical Service ٦. Motor Vehicle Company Commander 24. Capt, Maj 1 25. Assistant Company Commander for Technical Matters 1 Senior Technical Lt Engineer Capt Motor Vehicle Platoon Commander Institute Chief of the Secret Section Assistant Chief of the Officer Per-26. Lt, Senior Lt 3 27. Senior Lt, Capt 1 28. sonnel Section Capt, Maj, 1 29. Assistant Chief of the E M Personnel Section Senior Lt Capt 1 Chief of the Bombing Range Chief of the 6th Section (Cypher) 30. Lt, Senior Lt Capt, Maj 1 31. 1 32. Assistant Chief of the 6th Section (Cypher) Senior Lt, Capt 1 33. Chief of the Meteorological Station Engineer Capt Engineer Maj 1 34. Senior Meteorologist Senior Technical Lt Engineer Capt 1 35. MGB Counter-Intelligence Section Junior Lt through Investigator Maj incl 3 MGB Counter-Intelligence Section 36. Chief-Clerk Junior Lt, Lt 1 (This slot may be held by an officer or a civilian)

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| 37。 | Chief of the Tactics Cycle, simultaneously the Deputy Chief | andar Alaman ang kangadan Alaman ang kangadan | |
| | of the Flight-Training Section | | - |
| | of the Institute | Lt Col, Col, | L |
| 38. | Senior Tactics Instructor | Capt, Maj or | |
| | | Lt Col | 3 |
| 39. | Tactics Instructor | Capt, Maj | 3 |
| 40. | Senior Bombing Training Instructor | Maj, Lt Col | 2 |
| 41. | Bombing Training Instructor | Capt, Maj | 1 |
| 42. | Senior Navigators' Training Instructor | Maj, Lt Col | |
| | Navigators' Training Instructor | Capt, Maj | 2 1 |
| 43. | Canier Communications Desiring Tratemeters | | 1 |
| 440 | Senior Communications Training Instructor | Maj. Lt Col | 1 |
| 45. | Navigators' Training Instructor | /sic/ | Ъ. |
| 46. | Chief of the Technical Training Cycle | Engineer Lt Col, | - |
| • • | | Engineer Col | 1 |
| 47. | Senior Technical Training Instructor | <u>/sic/</u> | 1 |
| .48. | Technical Training Instructor | Engineer Capt | |
| | | Engineer Maj | 1 |
| 49. | Senior Aerodynamic Instructor | Engineer Maj | |
| | | Engineer Lt Col | 2 |
| 50. | Aerodynamics Instructor | Engineer Capt | |
| | | Engineer Maj | 1 |
| 51. | Senior Meteorological Training Instructor | Engineer Capt | |
| ~ * * | Definite we see a start that the second second | Engineer Maj | т |
| 52. | Meteorological Training Instructor | Senior Technical Lt, | /sic/ |
| 160 | We reproted the transmission and and | Engineer Capt | To TR |
| 50 | Conform Chambers, Machabase Transferrenters | | 1 |
| 53. | Senior Chemical Training Instructor | Maj, Lt Col | 1 |
| 54. 55. | Chemical Training Instructor | Capt, Maj | .L |
| 22. | Senior Aerial Gunnery Training Instructor | Engineer Maj, | - |
| | | Engineer Lt Col | 1 |
| 56. | Aerial-Gunnery Training Instructor | Engineer Capt, | |
| - - | | Engineer Maj | 1 |
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(In all cases where a military grade is prefixed by "Engineer", the officer may be an officer of the Air Technical Service. A T S

| | 57. | Senior Physical Training and Sports | | |
|--------------|------|--|---------------------------------|------------|
| 1 | | Instructor | Maj | 1 |
| | 58. | Physical Training and Sports | | |
| | | Instructor | Capt, Maj | 1 |
| | 59. | Senior Military Topography Instructor | Capt, Maj | 1 |
| | 60. | Military Topography Instructor | Senior Lt, Capt | l |
| ÷ | 61. | Deputy Chief of the Institute's | | |
| ÷ | | Political Section | Maj, Lt Col | 1 |
| | 62. | Political Section Instructor for Propa- | | |
| <i>e</i> • | | ganda and Agitation | Senior Lt through | - |
| | | | Lt Col Incl | 1 |
| | 63. | Senior Political Section Instructor for | | - |
| | | Propaganda and Agitation | Maj, Lt Col | 1 |
| | 64. | Political Section Instructor for Party | General The Grant | |
| • | · • | Records | Senior Lt Capt | 1 |
| | | testatest ables of the Delitical Costies | Ma j | 1 |
| | 65. | Assistant Chief of the Political Section | Confor It Cont | 1 |
| | 66. | for Komsonol Chief of the Residence Maintenance Section | Senior Lt, Capt | i |
| | 67. | Chief of the Dispensary | Capt, Maj Maj, Lt Col of the | -1- |
| | 07. | onter of the Dispensary | Medical Service | l |
| | 68. | Therapeutic Physician | Capt, Maj or the | |
| | 0.0. | TTOT ADDRATO T TOTOTAT | Medical Service | 1 |
| | 69. | Ear, Nose and Throat Physician | Capt, Maj of the | - · |
| | | | Medical Service | 1 |
| | 70. | Chief of the Pharmacy | Senior Lt, Capt of | |
| | | | the Medical Service | 1 |
| | 71. | Institute Engineer for Armaments | Engineer Maj, Engineer | |
| | 3 | | Lt Col | 1 |
| | 72. | Institute Engineer for Special Equipment | Engineer Maj, Engineer | - |
| · . | 4 | | Lt Col | 1 |
| | 73. | Commander of the Air Training Regiment | Col | 2 |
| | 74. | Chief of Staff of the Air Training | | 2 |
| - | Pres | Regiment | Lt Col, Col | 2 |
| | 75. | Deputy Commander of the Air Training | Lt Col, Col | 2 |
| | 76. | Regiment for Political Matters Senior Air Training Regiment | Engineer Maj, Engineer | <i>6</i> 2 |
| ٠ <u>`</u> - | 10. | Deutor wir, rreturnd usfrugue | Lt Col | 2 |
| | 77. | Engineer of the Air Training Regiment for | Engineer Capt, | 64 |
| | 110 | Special Equipment | Engineer Maj | 2 |
| | 78. | Engineer of the Air Training Regiment for | Engineer Capt, | ~ |
| | | Armaments | Engineer Maj | 2 |
| | 79. | Deputy Chief of Staff of the Air Training | Capt, Maj | 2 |
| | | Parimont | | |
| • | | Regiment SECRET/SECURITY INFORMATION | | |
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| | 80. | Chief of Communications of the Air | | |
| | | Training Regiment | Capt, Maj | 2 |
| | 81. | Chief of the E M and Officer Personnel Section of the Air Training Regiment | Senior Lt, Capt | 2 |
| | 82. | Chief of the Secret Section of the Air | | |
| | 83. | Training Regiment Chief of the Chemical Service of the Air | Senior Lt, Lt | 2 |
| | | Training Regiment | Lt through Maj Inel | 2 |
| | 84. | Squadron Commanders | Senior Lt through Lt Col Incl | 8 |
| | 85. | Deputy Air Squadron Commander for Drill | Senior Lt through | |
| | 86. | Matters Adjutant (or Chief of Staff) of the | Maj Incl | 8 |
| | ta antitette | Squadron | Senior 1t through | |
| | 87. | Squadron Engineer (or Squadron Senior | Maj Incl Technical Lt through | 8 |
| | 88. | Technician) Air Squadron Senior Technician for Arma- | Engineer Maj Incl | 8 |
| | | ments (Air Squadron Technician for Arma- | Senior Technical Lt Engineer Capt | 8 |
| | 89. | ments Air Squadron Senior Technician for Special | | |
| | | Equipment (or Air Squadron Technician for | Senior Technical Lt | |
| | 90. | Special Equipment Flight Technician | Engineer Capt Technical Lt, Senior | 8 |
| | * * | | Technical Lt | 8 |
| | 91. 92. | Flight Commander Pilot - Instructor | Senior Lt, Capt Lt, Senior Lt | 8 16 |
| | 93. | Chief of the Club | Capt | 1 |
| | 94. | Chief of the Library Political Section Agitator | Lt, Senior Lt Capt, Maj | 1 1 - |
| ** =** | 96. | Training Battalion Commander | Maj, Lt Col | 1 |
| | 97. 98. | Training Company Commander Battalion Senior Adjutant | Senior Lt, Capt Capt, Maj | 2 1 |
| | 99. | Training Platoon Commander | Lt, Senior Lt | 4 |
| | 100. | Communications Platoon Commander | Lt, Senior Lt | 1 |
| | T/O Office: | r Total | | 198 |
| | | Enlisted Personnel | | · |
| | 1. 2. | Aircraft Mechanic Armaments Mechanic | Master Sgt Master Sgt | 64 8 |
| | 3. | Radio Mechanic | Master Sgt | 8 |
| | " 4. 5. | Instrument Mechanic Electrical Equipment Mechanic | Master Sgt Master Sgt | 8 |
| | 6. | Assistant Aircraft Mechanic | Sgt, Senior Sgt | - |
| | 7. 8. | Assistant Armaments Mechanic Assistant Electrical Equipment Mechanic | Sgt | 8 8 |
| | 9. | Assistant Radio Mechanic | Sgt, Senior Sgt | 8 |
| | 10. | Assistant Electrical Equipment Mechanic Motion Picture Mechanic | Sgt, Semior Sgt Sgt, Semior Sgt | 8 |
| | 12. | Headquarters Clerks and other Headquarters | | 1 |
| | 13. | and Supply Service Duty Designations Drivers, Auto-Mechanics and other Special- | Sgt, Senior Sgt | 4-6 |
| 1 | · · · · | ists of the Motor Vehicle Company | Pvts, Sgts | 50 |
| Ċ | 14. | Various Type Specialists of the Communi- cations Platoon | Pvt through Senior Sg | t 20 |
| | · | | | , |
| | T/O Enlist | ed Total (Approximate) | | 204 |
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| * | 2 | No | Duty Desig | nation | | | | : | No of | Pers | | |
| | د د. ارب | 4.7 | | | den den inden den die | | | | | | | |
| | | 1. | Nurse Cook | | | | | | 10 | | | |
| | | 2. | Stoker (B | achegari | 3 | | | · · · · | т. Т. | | | |
| | | 40 | Electrici | an | | | | | í | | | |
| | ÷ | 5. | Typist | | | | | ., | e | b | • | |
| | | 6. | Dishwashe | | | 2 N | | | 4 | ÷ | - | |
| | | 7. | Storekeer Medical A | id (Sani | tarki) | .) | .* | C. | | | | |
| | | 9. | Telephone | Operato |)r | | | | | | X | |
| | | 10. | Telegraph | | r | | | 5 A. S. | | | жh. | |
| | | 11. | Carpenter | | | | | | 2 | | | · •. |
| | × . | 12. | Locksmith Porter | l (oreast |) | | | 1.1 | 2 | • | | |
| | Δ. | 13. 14. | Waitress | - 1997 1997 | 1 | | | | 4 | F • | | |
| | Sec. | 15. | Accountan | | | | | 1 | | | | |
| | | 16. | Bookkeepe | | | | | | 2 | | | |
| | | 17. | Laborator | | cian | | | | ĺ | | 2 | · . |
| | С., ^с | 19. | Dining Ha | 11 Super | visor | | | e. | . 2 | 2 | | |
| | 4 | | lian Person | nel Tote | 1 (Approx | cimate) | | | | 6 | | |
| 4 . 5. | 1997 1997 1997 1997 1997 1997 1997 | they remains general m officer-i all gradu Air Force After hav ferred to | students en in for one allitary tr instructors ates of an es they wea ving served o the first battalion. | year. aining s in this infantr r air fo in this trainin | Basically ind theory battalic y institu- presunifo battalic | y, their stical st on lack a ite. How orms, on for on | studie: udies : ir forc ever, f e year, New stu | s derin in othe se trai since 1 | ng this or sub; ining; they ar | jects. instead e in ti | All of All of d, they he Mili- | of the are tary |
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| 6, | | transferr | rving in th red to the r institute | second c | ne where | they com | ment id plete i | their] | year, period | of tra: | ining i | n the |
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7. Both of the training air regiments consist of four squadrons each of which is composed of two flights. Thus, all of the T/O data was based on such an arrangement. In addition to the above information regarding the transfer of students from the first to the second training air regiments, another variant (in which students transferred from a battalion to a regiment remain in the regiment until graduation) is possible. Each battalion to a regiment remain in the regiment until graduation, is possible. Each training air regiment has 32 aircraft, each squadron has eight, and each flight has four. Thus, each regiment is equipped with sitteen combat fighters. I do not know the exact type but assume that the aircraft are probably of the "XAR", "LA", or "MIG" type. At the present time, they are probably MIG-15's. In addition, the regiment has eight primary-trainers and eight combat trainers. Each squadron has four combat aircraft, two primary-trainers, and two combat trainers. In this manner, one of the squadron's flights has combat aircraft only, while the second flight has primary and

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- Under the T/O for enlisted personnel I have made no provision for assistant aircraft mechanics since this duty is performed by students in the school. This enables the student to have a better comprehension of the technical aspects of the aircraft which 8. he will later operate.
- I have shown the duty designations of civilian personnel who are included in the in-stitute's T/O and who receive their pay in the institute's finance section. There are 9. other civilians working in the institute (in addition to the ones mentioned above) who receive their pay from the military exchange. For this reason the civilian personnel of the military exchange who serve in the institute's stores, officers' dining halls, the tailor and shoe repairing shops, the laundry, and the barber shop are not included in the T/O given above.
- I can not guarantee the exactness of the strength picture given above since it could -10. have increased or decreased since 1946. Howaver, the above T/O is approximately
- In accordance with the above permanent personnel T/O of an air institute, there will be about 300 students in this institute. Each training group will have from 24 to not more than 30 individuals. To sumarize the above data, the air institute will have 11.
 - 198 permanent officer personnel 204 permanent enlisted personnel 66 civilian personnel

 - 300 students

768 Total

If the civilian personnel are not taken into account, there will be 702 personnel in the institute.

The following equipment is found in each Fighter Air Institute:

1. Link Trainer

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- 2. Aircraft engines mounted on fighter aircraft
- 3. A cabin (whose designation I cannot remember) which is used for visual orientation training.
- A cabin (whose designation I cannot remember) in which a radio-compass and all the 40 instruments necessary to insure the operation of a radio-compass are installed.
- Turrets in which the guns and sights used on fighter aircraft are mounted.
- 6. 7.
- Cabins with sighting mechanisms and guns The fuselage of the fighter circraft which the students will later fly. 8.
- Charts showing the aerodynamic qualities of the aircraft Charts showing various aerobatic exercises.
- 9. 10.
- Charts showing the distance at which a target will be seen through the sight and how it will look. 11. Instrument panel and all of the instruments on it.
- 12.
- Tripods with sighting mechanisms. 13.
- 14.
- 15.
- 16.
- Charts showing various stages of aerial combat. Charts showing take-offs and landings. Charts showing the organization of foreign air forces. Charts showing the organization of the Military Air Force of the Soviet Army. A gunnery range with the following equipment: (a) Movable targets 17. Movable targets
 - (b)
 - 0
 - Stationary targets Cabins with combat arms and sights. (d)
 - Tripods with sights and model guns mounted on them used for training purposes in laying and using guns. (e) Turrets
- 18.
- The secret library which contains the following literature:
 - Colonel Envald's books "The Theory of Aerial Gumery". (ъ)
 - Books (by an author whose name I cannot recall) -"Bombing Training" Manual dealing with the execution of flights. (c)
 - (d) (e)
 - Instructions on the operation of various type aircraft in the air. Regulations dealing with Navigators' Training

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| | (f). Regulations dealing with the combat application of fighter aviation. (g). Regulations dealing with the combat application of reconnaissance aviation. (h). Regulations dealing with the combat application of ground-attack aviation. (i). Regulations dealing with the combat application of transport aviation. (j). Field Manual for the Armed Forces. (k). Unit internal subordination regulations (USTAV whitrennei sluzhbi) of the Armed Forces of the USSR. (l). Gunnery Manual. (m). Disciplinary Service(Punishments) regulations (USTAV Distsiplinarnoi Sluzhbi of the Armed Forces of the USSR. (n). Aviation Combat Manual. (o). Books (by an author whose name I dennot remember) on "Aircraft Engines". (p). Engineer Shulzhenko's books on "Aircraft Consturction". (q). High-Altitude Training Manuals. (r). Garrison Service Regulations of the People's Commissar of Defense of the USSR. (s). Manuals dealing with the field service of headquarters. | |
| | (t). Informational handbooks for the study and generalization of the Great Patri- otic War's experiences. (u). Informational handbooks published by the Voroshilov Military Academy of the | 1 |
| | General Staff dealing with the combat operations of various type troops, (v). Communications Service Manual. (w). Intelligence bulletins pertaining to foreign troops. (x). Various types of books which must be used by the students in their studies (I do not remember the titles of these other books). (y). VVA - Physical Training and Sports Program (10) | - |
| 10 . | (z). Books dealing with Military Topography by an author whose name 1 do not recall (10-25). | i. Ja |
| | (aa) . Books dealing with Military Aerodynamics by an author whose name I samnet recall (30-40) (bb) . Books dealing with Aerodynamics at High Speeds by an author whose name I | |
| | cannot recall (20-30) | C |
| | A chart showing a sectional view of a gas mask (a crash helmet with a corrugated nose and a canister). A picture-poster illustrating various anti-chemical defensive means such as: anti-gas, socks; gloves, capes, cape-raincoats, and individual first-aid packages. Sectional cuts of the models of various aerial bombs (including chemical bombs). Sectional cuts of the models of various aerial shells and cartridges. Sectional-cuts of models of various aerial detonators. Aircraft cannons and machine guns mounted on stands (Priamos) in the classes. Charts showing the ballistical characteristics of aerial bombs. | |
| | 26. Charts showing different elements involved in navigational computations. 27. Parallel bars | |
| | 28. Climbing ropes. | |
| ×.≱ | 29. Rings 30. Bar-weights | |
| | 31. Grenades 32. Ladders | |
| | 33. Reinskove Wheel | e, |
| | 34. Centrofuge | |
| | 35. Other equipment used in physical training and sports, 36. Rifle and bayonet | |
| | 37. Gas mask | : ' : |
| | 38. Cartridge pouch | |
| | 39. Charts giving the topographical marks of localities 40. Charts posters showing the correct way to plot a course on a map. 41. A chart showing the defensive organization of an infantry squad, platoer, company and battalion. 42. Boards on which are fastened various aircraft engine components. | |
| | 43. Charts showing methods of oiling various aircraft engines which are installed on fighter aircraft of different construction. 44. A bombing range with models of aircraft and motor vehicles on it. | |
| | 45. Wind tunnel 46. A board with sectional cuts of the oxygen equipment on a fighter aircraft includ- | 1 74 |
| | ing: (a) An oxygen mask | ÷. |
| | (b) The oxygen cylinder | |
| | (a) Automatic oxygen flow regulator (Kommandnyi Pribor). 47. Fighter Aircraft models | |
| | 48. In addition, there are a number of other charts and models whose designation I cannot remember. All of the above equipment refers to air institutes for fighter and ground-attack pilots since both of these institutes are approximately the same. | |
| 13. | The permanent officer and enlisted personnel T/O of a Military Air Technical Institute is considerably smaller than in a Fighter Air Institute. Furthermore, the equipment in the training section of a Military Air Technical Institute will differ from that of an Air Institute for Pilots since there are many more subjects dealing with technical training in a technical institute than in an institute for fighter pilots. The T/O of an Air Technical Institute is given below in its approximate form: SECRET/SECURITY INFORMATION | |

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| | · · · · · · · · · · · · · · · · · · · | · o · · · · · · · · · · · · · · · · · · | OF Bang |
| No | Duty Designation | Military Grade No Maj Gen or Lt Gen of the Engineer- | OL PEFS. |
| 1. | Institute Chief | Aviation Service | 1 . |
| ~ | Adjutant to the Institute Chief | Senior Lt, Capt | . |
| 2. | Institute Chief of Staff | Maj Gen of the Engineer-Aviation | i |
| 2. | | Service | |
| 40 | Institute Chief of the Political | Maj Gen, Col or Maj Gen of Aviation | 1 |
| • | Section, simultaneously the Deputy | | |
| | Chief of the Institute for Politics | | |
| æ | Matters Institute Chief of the Medical | | |
| 5. | Service | Col of the Medical Service | 1 |
| 6. | Deputy Chief of the Institute for | | ٦ |
| - | Drill Matters | Col, Lt Col | , L |
| 7. | Chief of the Officer Personnel | Lt Col | 1 |
| • | Section Chief of the Institute's Training | | |
| 8. | Section, similtaneously the Insti- | | - |
| | tute's Deputy Chief of Staff | Col | 1 |
| 9. | Deputy Chief of the Officer | | 1 |
| | Personnel Section | Capt, Maj Col, Col of the Quartermaster | alle, ° |
| 10. | Institute Deputy Chief for the | Service | 1 |
| 11. | Fear Chief of the Dispensary | Maj, Lt Col of the Medical Service | 1 |
| 12. | Institute Chief of Communications | T.t Col | 1 |
| 13. | Institute Chief of the E M Per- | Capt, Maj of the Administrative | 1 |
| | sonnel Section | Service | 1 |
| 14. | Chief of the MGB Counter-Intelli- | Lt, Col, Col | 1 |
| 75 | gence Institute Chief of the Finance | Capt, Maj of the Administrative Service | 1 |
| 15. | Section | | 4 |
| 16. | Chief Bookkeener of the Finance | an a | 1.5.2 |
| | Section, simultaneously the Deputy | Capt, Maj of the Administrative Service | - 1 2 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × |
| | Chief of the Finance Section | Maj, Lt Col of the Administrative | |
| 17. | Chief of the Food Section | Service | 1. |
| 70 | Assistant Chief of the Food Section | | , Ge |
| 18. | similtaneously the Chief of the | Capt, Maj of the Quartermaster Ser- | _ |
| | Food Storeroom | vice | 1 |
| 19. | MGB Counter-Intelligence Investi- | The second | 2 |
| | gator | Lt through Maj Incl | £ |
| 20. | MGB Counter-Intelligence Section | Lt. Senior Lt | 1 |
| 01 | Chief Clerk Chief of the Clothing and Equip- | Maj, Lt Col of the Quartermaster | |
| 21. | ment Section | Service | 1 |
| 22. | Assistant Chief of the Clothing an | d | 1 |
| | Equipment Section | Capt of the Quartermaster Service | - |
| 23. | | f Senior Technical Lt, Capt of the Air Technical Service | 1 |
| 224 | Commander of the Motor Vehicle | | _ |
| 234. | Company | Capt, Maj | 1 |
| 24. | Assistant Commander of the Motor | - · | |
| | Vehicle Company for Technical | action Machaniani The Empireon Cant | 1 |
| - | Matters | Senior Technical Lt, Engineer Capt Lt, Senior Lt | ī |
| 25. | Motor Vehicle Platoon Commander Assistant Chief of the E M Per- | 1109 Denior He | |
| 26. | sonnel Section | Lt, Senior Lt | 1 |
| 27. | Institute Chief of the Secret | Senior Lt, Capt of the Administrative | л ¹ |
| | Section | Service | 4 4 7 |
| 28. | Chief of the 6th Section (Cypher | Capt, Maj | 1 |
| 20 | Section) Assistant Chief of the 6th Section | Senior Lt. Capt | 1 |
| 29. 30. | Assistant Chief of the oth Section 1st Battalion Commander | Mej, Lt Col | 1 |
| 31. | 2nd Battalion Commander | Maj, Lt Col | i i ^{star} |
| 32. | 3rd Battalion Commander | Maj, Lt Col | 1 6 |
| 33. | Company Commander | Capt, Maj | 12 |
| 34.0 | Platoon Commander | Lt, Senior Lt | |
| 35. | Deputy Commander of the Battalion for Political Matters | Maj, Lt Col | 18, |
| 36. | Deputy Chief of the Institute's | | |
| 200 | Political Section | Maj, Lt Col | 1 |
| 37. | Assistant Chief of the Political | | 1. |
| | Section for Komsomol | Senior Lt, Capt, | 2 * 1 |
| 38. | Senior Instructor of the Political | | 1 |
| 20 | Section for Propaganda and Agitati Instructor of the Political Section | м. нь уу уу уул уул уул уул уул уул уул уул | |
| 39. | for Propaganda and Agitation | on maj, it coi m Capt, Maj | 1 |
| 40. | Instructor of the Political Section | | - |
| | for Party Records | Senior Lt, Capt | 1 |
| | SECRET/SECUR | ITY INFORMATION | |
| | | | |

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| N. | | -9 - | |
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| No | Duty Designation | Military Grade | No. of Per |
| 41. | | | ياند بي الدرموجيد الدهد من |
| 42. | Chief of the Residence Maintenance | Capt, Maj | 1 |
| | Section of the Institute | Capt, Maj | I |
| 43. | Chief of the Institute's Club | Capt | 1 |
| +4 | Chief of the Institute's Library Deputy Chief of the Training Section | Lt, Senior Lt. Maj, Lt Col | 1 |
| 46. | Commander of the Communications Platoon | | î |
| 7. | Therapeutic Physician | Capt, Maj of the Medical Service | ī |
| 48. | Chief of the Pharmacy | Senior Lt, Capt of the Medical Servi- | ce l |
| 9. | Assistant Chief of the Residence Main- tenance Section of the Institute | Lt, Senior Lt | · |
| 50. | Senior Instructor of Physical Training | TO DETTOL TO | 1 |
| | and Sports | Capt, Maj | l |
| 51. | Instructor of Physical Training and | | |
| 52. | Sports Senior Instructor of Tactical Training | Senior Lt, Capt Maj, Lt Col | 1 |
| 3. | Instructor of Tactical Training | Capt, Maj | . 2 |
| 40- | Senior Instructor of Chemical Training | Maj, Lt Col | 1 |
| 5. | Instructor of Chemical Training | Capt, Maj | 1 1 |
| 6 | Senier Instructor of Military Topography | | 1 |
| 8 | Instructor of Military Topography Senior Communications Instructor | Capt Maj, Lt Col | 1 |
| 9 | Communications Instructor | Capt, Maj | 1 |
| 0. | Senfor Aerodynamics Instructor | Maj, Lt Col | 1 1 |
| 1. | Aerodynamics Instructor | Capt, Maj | 21 |
| 2. | Senior Special Equipment Instructor | Engineer Capt, Engineer Maj | ļ |
| 20 | Special Equipment Instructor Senior Armaments Instructor | Senior Technical Lt, Engineer Capt Engineer Capt, Engineer Maj | 2 |
| 5. | Armaments Instructor | Senior Technical Lt, Engineer Capt | 2 |
| 6 | Senior Aircraft Instructor | Engineer Capt, Engineer Maj | 2 1 |
| 7. | Aircraft Instructor | Senior Technical Lt | 2 |
| 9. | Senior Aircraft Engine Instructor Aircraft Engine Instructor | Engineer Capt, Engineer Maj | 1 2 |
| 0. | Instructors and Senior Instructors in | Senior Technical Lt, Engineer Capt From an Engineer Capt through an | 4 |
| u ¥ | various subjects (cold processing of metals and others) | Engineer Lt Col | 12 |
| | Cand an Turning at an In It. Design of the | | |
| هر. ا | Senior Instructor in the Repair of Air- | · · · · · · · · · · · · · · · · · · · | |
| 1 | craft Engines | Engineer Maj, Engineer Lt Col | 1 |
| 2 | craft Engines Instructor in the Repair of Aircraft | | 1 |
| 2. | craft Engines Instructor in the Repair of Aircraft Engines | Engineer Maj, Engineer Lt Col Engineer Capt, Engineer Maj | 2 |
| 2. | oraft Engines Instructor in the Repair of Aircraft Engines 'icer Total | Engineer Capt, Engineer Maj | |
| /0_0ff | oraft Engines Instructor in the Repair of Aircraft Engines icer Total Enlisted Per | Engineer Capt, Engineer Maj | 2 |
| 2. /0. Off | craft Engines Instructor in the Repair of Aircraft Engines icer Total Enlisted Per Notor Vehicle Company Drivers | Engineer Capt, Engineer Maj rsonnel Pyts | 2 |
| 2. /0. Off M M | craft Engines Instructor in the Repair of Aircraft Engines icer Total Lotor Vehicle Company Drivers btor Vehicle Company lst Sst. | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt. | 2 |
| 2. /0_ Off | craft Engines Instructor in the Repair of Aircraft Engines icer Total Cotor Vehicle Company Drivers Dotor Vehicle Company lst Sgt. Dotor Vehicle Company Mechanics eadquarters Clerks and other duty de- | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt | 2 110 34 1 |
| 2. /9_ Off M | craft Engines Instructor in the Repair of Aircraft Engines iter Total Stor Vehicle Company Drivers Stor Vehicle Company 1st Sgt. Stor Vehicle Company Mechanics Stor Vehicle Company Mechanics | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt. | 2 110 34 1 1 |
| 2. /0. Off | craft Engines Instructor in the Repair of Aircraft Engines icer Total Enlisted Per ictor Vehicle Company Drivers intor Vehicle Company Machanics eadquarters Clorks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt | 2 110 34 1 1 16 |
| 2. /0. Orr M M M S S (| craft Engines Instructor in the Repair of Aircraft Engines icer Total btor Vehicle Company Drivers btor Vehicle Company Mechanics eadquarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt | 2 110 34 1 1 |
| 2. /O Off M M M H H S C C | craft Engines Instructor in the Repair of Aircraft Engines "icer Total btor Vehicle Company Drivers btor Vehicle Company lst Sgt. btor Vehicle Company Mechanics eadguarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Compunications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bode" | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt | 2 110 34 1 1 16 |
| 2. M M M H S C C C | craft Engines Instructor in the Repair of Aircraft Engines icer Total btor Vehicle Company Drivers btor Vehicle Company Ist Sgt. btor Vehicle Company Mechanics eadquarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ents: the ST-35 (teletype), the "Bodo" teletype). Morse Code equipment and | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt | 2 110 34 1 1 16 |
| 2. M M M H S C C S | craft Engines Instructor in the Repair of Aircraft Engines "icer Total btor Vehicle Company Drivers btor Vehicle Company Ist Sgt. btor Vehicle Company Mechanics eadquarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- lents: the ST-35 (teletype), the "Bodo" teletype), Morse Code equipment and witchboards. This category also in- | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt | 2 110 34 1 1 16 |
| 2. M M M H S C C S | craft Engines Instructor in the Repair of Aircraft Engines icer Total btor Vehicle Company Drivers btor Vehicle Company lst Sgt. btor Vehicle Company Mechanics eadquarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ents: the ST-35 (teletype), the "Bodo" teletype). Morse Code equipment and | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt | 2 110 34 1 1 16 |
| A C Off M M H S C C S C | craft Engines Instructor in the Repair of Aircraft Engines "icer Total btor Vehicle Company Drivers btor Vehicle Company Ist Sgt. btor Vehicle Company Mechanics eadquarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- lents: the ST-35 (teletype), the "Bodo" teletype), Morse Code equipment and witchboards. This category also in- | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt | 2 110 34 1 16 20 |
| Oloff M M M H S C C S C | craft Engines Instructor in the Repair of Aircraft Engines Licer Total Enlisted Per Lotor Vehicle Company Drivers Lotor Vehicle Company Mechanics eadquarters Clorks and other duty de- is adquarters Clorks and other duty de- inguations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bode" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt | 2 110 34 1 16 20 |
| O Off M M H S C C S | craft Engines Instructor in the Repair of Aircraft Engines "icer Total "icer Total "btor Vehicle Company Drivers I btor Vehicle Company Mechanics I btor Vehicle Company Mechanics eadquarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bodo" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 |
| O Off M M H S (C C E N M | craft Engines Instructor in the Repair of Aircraft Engines Licer Total Enlisted Per Lotor Vehicle Company Drivers botor Vehicle Company Drivers botor Vehicle Company Mechanics eadquarters Clorks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bode" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total <u>Civilian Pe</u> edical Assistants | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 |
| O Off M M M H S (C m (S C O Enl | craft Engines Instructor in the Repair of Aircraft Engines Licer Total Enlisted Per Lotor Vehicle Company Drivers botor Vehicle Company Mechanics eadquarters Clorks and other duty de- seadquarters Clorks and other duty de- ingnations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ents: the ST-35 (teletype), the "Bode" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total Edical Assistants aitresses | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 |
| O Off M M M H S (C O Enl M W C | craft Engines Instructor in the Repair of Aircraft Engines "icer Total Enlisted Per Otor Vehicle Company Drivers Notor Vehicle Company Mechanics eadquarters Clorks and other duty de- isedquarters Clorks and other duty de- inguations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bode" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total Edical Assistants aitresses ooks | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 772 772 4 6 10 |
| O Off M M M H S C C C Enl | craft Engines Instructor in the Repair of Aircraft Engines "icer Total "icer Total "otor Vehicle Company Drivers I btor Vehicle Company Mechanics S eadquarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bodo" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total <u>Civilian Pe</u> edical Assistants aitresses ooks orters | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 772 772 4 6 10 |
| 20 Off M M M H S C C D D | craft Engines Instructor in the Repair of Aircraft Engines "icer Total "icer Total" "icer Total "icer Total" "icer Total "icer Total" "icer Total "icer Total" "icer Total "icer Total" "icer Total "icer Total" "icer Total" "i | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 772 772 4 6 10 |
| O Off M M M H s (1 c m (s c f O Enl M W C P D C S | craft Engines Instructor in the Repair of Aircraft Engines "icer Total "icer Total "otor Vehicle Company Drivers I btor Vehicle Company Mechanics S eadquarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bodo" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total Edical Assistants aitresses ooks orters | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 772 772 4 6 10 |
| 2. O Off M M M H S C C M (S C P D C S S S S S | craft Engines Instructor in the Repair of Aircraft Engines Licer Total Enlisted Per Lotor Vehicle Company Drivers Instructor Vehicle Company Nechanics Eadquarters Clorks and other duty de- seadquarters clorks and the following equip- ent: the ST-35 (teletype), the "Bode" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total <u>Civilian Pe</u> edical Assistants aitresses ooks orters ishwashers ounter-aids (Buffetchiki) tokers lectricians | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 72 72 4 6 10 5 4 2 5 1 |
| O Off M M M M M M S (S C O Enl M W C S S E C | craft Engines Instructor in the Repair of Aircraft Engines "icer Total "icer Total "icer Total "icer Total "icer Total "btor Vehicle Company Drivers" btor Vehicle Company Mechanics eadquarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzha) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bodo" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total "isted Total "isted Total "istemaster" conter-aids (Buffetchiki) tokers lectricians auromiter" | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 72 72 4 6 10 5 4 2 5 1 |
| 2. 0 Off M M M M M C S C C S C C C C C C C C C C C C C | craft Engines Instructor in the Repair of Aircraft Engines "icer Total "icer Total "icer Total "btor Vehicle Company Drivers" btor Vehicle Company Mechanics eadquarters Clerks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzha) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bodo" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 72 72 4 6 10 5 4 2 5 1 |
| | craft Engines Instructor in the Repair of Aircraft Engines "icer Total "icer Total "btor Vehicle Company Drivers I btor Vehicle Company Mechanics Stadyarters Clorks and other duty de- sadquarters Clorks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bode" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total <u>Civilian Pe</u> edical Assistants aitresses ooks orters ishwashers ounter-aids (Buffetchiki) tokers lestricians arpenter ainter torekeepers | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 72 72 4 6 10 5 4 2 5 1 |
| 20 Off MM H S(L C M (S C PD C S C F S D C S F S D | craft Engines Instructor in the Repair of Aircraft Engines "icer Total "icer Total "btor Vehicle Company Drivers I btor Vehicle Company Mechanics Stadyarters Clorks and other duty de- sadquarters Clorks and other duty de- ignations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bode" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total <u>Civilian Pe</u> edical Assistants aitresses ooks orters ishwashers ounter-aids (Buffetchiki) tokers lestricians arpenter ainter torekeepers | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 72 72 4 6 10 5 4 2 5 1 |
| 2. O Off MM Hs (s C Enl MW CPDCS S CPSD S T | craft Engines Instructor in the Repair of Aircraft Engines licer Total Enlisted Per lotor Vehicle Company Drivers botor Vehicle Company Mechanics eadquarters Clorks and other duty de- stagaations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bode" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 72 72 4 6 10 5 4 2 5 1 |
| | craft Engines Instructor in the Repair of Aircraft Engines licer Total Enlisted Per lotor Vehicle Company Drivers botor Vehicle Company Mechanics eadquarters Clorks and other duty de- isedquarters Clorks and other duty de- ingations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bode" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total | Engineer Capt, Engineer Maj rsonnel Pyts Master Sgt Senior Sgt Sgt Pyts through Master Sgt | 2 110 34 1 16 20 72 72 4 6 10 5 4 2 5 1 |
| 2. Off MM Hes(Lcm (sc Enl MW CPDCS ECP SD ST | craft Engines Instructor in the Repair of Aircraft Engines licer Total Enlisted Per lotor Vehicle Company Drivers botor Vehicle Company Mechanics eadquarters Clorks and other duty de- stagaations of the Quartermaster Service Khozyaistven-Noya Sluzhba) ine Communications Specialists (This in- ludes mechanics for the following equip- ent: the ST-35 (teletype), the "Bode" teletype), Morse Code equipment and witchboards. This category also in- ludes telegraph line layers.) isted Total | Engineer Capt, Engineer Maj rsonnel Pvts Master Sgt Sgt Pvts through Master Sgt | 2 110 34 1 16 20 72 72 4 6 10 5 4 2 5 1 |

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| | · · · · · · · · · · · · · · · · · · · | _10 _ | 50X1 |
| No | Duty Designation | No of Pers | an a |
| 17. | | e | |
| 18. | Bookkeepers | 2 | 4 , |
| 19. | | 1-2 s various | |
| | agricultural and animal husban | ndry tasks | |
| 1 - 1 1 - 1 2 | at the school; some of these whired only for the summer seas | | |
| | are permanent employees) | 20 | |
| т/о | Civilian Personnel Total | 92 | |
| 768.đ | permanent personnel excluding civil e on the basis of 300 students. In group. Thus, each battalion would | such a case, the training grou | The Computation has been ups consist of 25 persons |
| _civ | should be mentioned that only the ci ilian personnel of the military excl | ivilian personnel included in thange are not included. | the T/O of the school; |
| | equipment in the training section of | of an Air Technical Institute w | vill consist of the follow- |
| ĩng l. | One Connery Range (for firing pisto | ols and rifles). | |
| 20 | Four aircraft engines of various co Four various type aircraft fuselage | onstruction utilized in training | lg. In training. |
| ika. | Board on which are fastened parts (| of various engine components sl | howing the complete struc- |
| | ture of the engine (10-15 such boar | rds). | |
| 8. | Lathes - to train students in the o Metalworking bench and equipment us | sed for the same purpose as 5 (| bove. |
| 7.0 | Carpentry bench (same function as a | above) 5 of each | |
| ිරී | Drill Presses (same function as abo Charts showing sectional views of t | ove) 5 of each the structure of sircraft engli | es of various type date- |
| 67 | struction (10). | | |
| 10. | Charts showing the structure of fus | selages from aircraft of differ | ent construction (10). |
| 12. | Charts illustrating the operation of Charts illustrating the cooling sys (8-10) | stems in aircraft engines of va | rious type construction |
| 13. | Charts showing the fuel systems of Tactical training charts illustration | various aircraft engines (10), | of mound theory from an |
| | infantry squad through an infantry | company (12). | |
| | Charts giving the organization of t cluding the air divisional level (a | approximately) (3). | • • |
| 16. | Charts showing the organization of Boards on which are fastened tools the Soviet Army (4-6). | the Technical Service in the V that are used for aircraft mai | VS of the Soviet Army,(2). Intenance in the VVS of |
| 18. | Instrument panels with the instrume | ints that are actually installe | d on aircraft (2). |
| 12.0 | A board on which sectional cuts of principles of operation of aircraft | | ng the structure and |
| 20. | Wind tunnels (2-3). | | |
| 24,+ | Various instruments found in aircra engine parts (for example: a micro | ift repair shops to check defect meter or probe) (all are mound | ets on various aircraft |
| 22. | A secret library which contains lit | terature required by the studer | ts and instructors of the |
| de la | given institute. (a) Engineering - Air Service Manu | 19] (25-30) | |
| | (b) Technical descriptions of vari | lous aircraft engines (30-60) | |
| | (c) Technical descriptions of vari (d) Instructions for the maintenan | ious construction aircraft (25- | -30) |
| • | (c) Garrison Service Regulations (| (25-30) | |
| | (f) Unit internal subordination me | | |
| $\sim f_{\rm s}$ | (i) only internal subbruination regimery Manual (25) (b) Disciplinary Service (Punishmet) (i) Mikulin's books on "Aircraft E (j) Engineer Shulzhenko's books on (k) Manuals dealing with the field (l) Infantry combat regulations - (m) Field Regulations - Arma | ents) Manual (40-50). | |
| | (1) Mikulin's books on "Aircraft E | ngines" (40-60) | |
| 5 <u>1</u> 7 1 | (j) Engineer Shulzhenko's books on (k) Manuals dealing with the field | Aircraft Construction" (30-5 | |
| 100 m 100 | (1) Infantry combat regulations - | Section 1 & II (25-60). | |
| | /my rrord Hegura tong for one wille | A LULGES OF THE AGON (IA=12)* | |
| اً کا الجمیر 1917 - جانبین از | | (20) | TLOLAT 0 (40) |
| | (p) of ground-attack avi | ation (40) | |
| | (q) of recommaissance av (r) of transport aviatio | riation (40) | |
| ا میں۔ آبادی درجیت | (a) rests (a) an anenor whose name | I cannot remember) on cold pr | ocessing of metals (25-35). |
| nang ta si ta ta si si saget | (t) Book on the technology of prod | luction (unknown author) (25-40 |). |
| | (V) Combat Aviation Reculations (5 | -10): | |
| | (W) and a state of the state of | | |
| n di di serre La serie La serie di s | (x) Informational handbooks for th experiences (50-100). (y) Books (by an unknown author) or | e study and generalization of | the Great Patriotic War's |
| . yr | | n "Aircraft Armaments" and a s T/SECURITY INFORMATION | eries of other books |
| | | | а С |

Declassified in Part - Sanitized Copy Approved for Release @ 50-Yr 2013/06/05 : CIA-RDP82-00047R000200300010-4 50X1 -11 -23. Chart showing sectional cuts (crash helmet with corrugated hose and cannister) of a gas mask (1). 24. Picture-posters illustrating various anti-chemical defensive articles. These in-clude the following: anti-mustard gas socks, gloves, capes, raincoats, individual first aid packages and a series of other articles necessary to safeguard animals and aircraft (8-10). 25. Sectional cuts of the models of various aerial bombs (including chemical bombs) (6-8). 26. Sectional cuts of various models of aerial detonators and cartridges (12-16) 27. Aircraft cannons and machine guns mounted on stands (Firamidts) in the classes (4-6). 28. Charts showing the ballistical characteristics of aerial bombs (6). 29. Charts showing sectional views of aircraft instruments (10). 30. Sectional models of aircraft electrical equipment (10). 31. Radio receivers, transmitters, converters, antenna structures, and other instru-ments insuring the operation of radio equipment in the aircraft. All of these are ~* 7: installed in the communications class (10-20). ų, 36. Rings (3).
37. Bar weights (3).
38. Ladders and other equipment for physical training and sports (30-35).
39. Rifle and bayonet (300).
40. Cartridge pouch (300).
41. Combat gas mask (481).
42. Chart posters showing topographical marks (4).
43. A board with sectional cuts of the oxygen equipment used on various type aircraft (1-2).
44. Charts illustrating various methods of camouflaging aircraft (4-6). 5. . 43. Charts illustrating various methods of camouflaging aircraft (4-6). Sectional models and plain models of rifles and submachine guns (6). Bags for bayonet practice (6). 45. 470 Dummies for bayonet practice (4-6). All of the above equipment refers to a technical air institute. It is necessary to remember that technical air institutes are divided according to the special training remember that technical air institutes are divided according to the special training they provide; for example, some technical air institutes train general aircraft tech-micians, whereas others train only ermanents technicians or special equipment techni-cians. For this reason, each type of institute will have more equipment dealing with the special training they provide and less equipment related to the specialties of other technical air institutes.

Permanent Personnel T/O of a Bomber Pilot Institute (Tactical)

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| No | Duty Designation | Military Grade | No of Pers |
| 1. | Chief of the Air Institute | Maj Gen, Lt Gen of Aviation | 1 |
| 2. | Adjutant to the Chief of the Air | | |
| | Institute | Senior Lt, Capt | 1 |
| 3. | Air Institute Chief of Staff | Maj Gen of Aviation | 1 |
| 4. | Chief Engineer of the Institute, | | |
| | similtaneously the Deputy Chief of th | | |
| . · · · · · · · · · · · · · · · · · · · | Institute for Engineering Aviation | Maj Gen of Engineer-Aviation Service or | |
| | Service | Engineer Col | ٦ |
| 5. | Chief of the Air Institute's Medical | | 1 |
| | Service | | |
| 6. | Deputy Chief of the Air Institute for | Col of the Quartermaster Service | ٦ |
| ~ | the Rear | | |
| 7. | Deputy Chief of the Air Institute for | n | |
| | Drill Matters | Lt Col, Col | ٦ |
| 8. | Main Navigator of the Air Institute | Lt Col, Col | า |
| 9. | Chief of the Air Institute's Officer | | - |
| | Personnel Section | Lt Col, Col | 1 |
| 10. | Chief of the Air Institute's Flight | | - |
| | Training Section, simultaneously the | | |
| | Institute's Deputy Chief of Staff | Col | 1 |
| 11. | Chief of the Institute's MGB Counter- | | |
| | Intelligence Section | Lt Col, Col | 1 |
| 12. | Chief of Communications | Lt Col | ī |
| 13. | Chief of the Institute's E M Per- | Capt. Maj of the Administrative Service | า้ |
| | somel Section | and and an anomanante sugar to cortrad | - |
| 14. | Chief of the Institute's Finance Sec- | | |
| ~~ 7 0 | tion | Capt, Maj of the Quartermaster Service | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 144 | Chief of the Institute's Political | | |
| | Section, similtaneously the Deputy | | |
| | Chief of the Institute for Political | | |
| | Matters | Maj Gen, Maj Gen of Aviation, Col | 1 |
| 15. | Chief Bookkeeper of the Institute's | we'l com we'l com of wate arous cor | a and a second sec |
| San S & S | Viller Durchergrei et wir Lijsvikkers. Finense Sastien, similtensaustr the | Capt, Maj of the Quartermaster Service | 1 |
| | Finance Section, simultaneously the Deputy Chief of the Finance Section . | · · · · · · · · · · · · · · · · · · · | · · |
| | | EGRET/SECURITY INFORMATION | |
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| | - 12 - | | |
|---------------------------------------|---|---|-------------|
| 16. | Chief of the Institute's Food Section | Maj, Lt Col of the Quartermaster | |
| 17. | Deputy Chief of the Food Section, similtaneously | | L |
| 18. | the Chief of the Food Storehouse Chief of the Institute's Clothing and Equipment | Service Maj, Lt Col of the Quartermaster | L |
| 19. | Supply Deputy Chief of the Institute's Clothing and | Capt, Maj of the Quartermaster | L L |
| | Equipment Supply, simultaneously the Chief of the Clothing and Equipment Storehouse | Capt of the dir Technical Service | - |
| 20. 21. | Petroleum, Oil and Lubricants Chief Chief of the Institute's Technical Supply | Capt, Maj of the Air Technical | 1 |
| 22. | Chief of the Institute's Combat Supply | Capt of the Air Technical Service Maj of Engineers | 1 |
| 23. 24. | Motor Vehicle Company Commander Assistant Motor Vehicle Company Commander for | orbab well | L |
| 25. | Technical Matters Motor Vehicle Flatcon Commander Shirt State Testimitele Secret Section | Senior Technical Lt, Engineer Capt Lt, Senior Lt Senior Lt, Capt of the Administra- | 2 |
| 26. | Chief of the Institute's Secret Section Assistant Chief of the Institute's Officer Par- | tive Service | 1. |
| 28. | Somel Section Assistant Chief of the E M Personnel Section of | Senior Lt, Capt of the Administra- | 1 |
| 29. | the Institute Chief of the Institute's 6th (Cypher) Section | Capt. Maj | 1 1 1 |
| 29 4 30. | Chief of the Institute's Meteorological Station Chief of the Institute's Bombing Range (Poligon) | Lt, Senior Lt | 1 |
| 31. | Semior Meteorologist | Senior Technical Lt | 1. |
| 32. | Assistant Chief of the Institute's 6th (Cypher) | Senior Lt, Capt | 1 |
| 33。 | Section Deputy Chief of the Institute for the Rear | Col of the Quartermaster Service | 1 |
| 34. | MGB Counter-Intelligence Section Investigator | | 2 1 |
| 35. | MBB Counter-Intelligence Section Chief Clerk | Lt | 4 |
| 36. | Chief of the Tactics Cycle, simultaneously the Deputy Chief of the Institute's Flight Training Section | | 1 |
| 37. | Senior Tactics Instructor | Maj, Lt Col Capt, Maj Maj, Lt Col | 3 |
| 38. | Tactics Training Instructor | Capt, Maj | 2 |
| 39. | Senior Bombing Training Instructor | Maj, Lt Gol Capt, Maj | z |
| 40. | Bombing Training Instructor Senior Navigation Training Instructor | Vel. Tt Col | 1 |
| 41. | Navigation Training Instructor | Capt, Maj | 2 1 |
| 42. | Senior Communications Instructor | | 1 |
| 440 | Communications Instructor | Capt, maj. | 2 1 |
| . 45. | Chief of the Technical Training Cycle | | 1 |
| 463 | Senior Technical Training Instructor | Engineer Maj Engineer Capt | ĩ |
| 47. | Technical Training Instructor Political Section Instructor for Propaganda and | | 1 |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Agitation | | |
| 49. | Political Section Senior Instructor for Propagand | la | |
| | and Agitation | Maj, Lt Col | 1 |
| 50. | Assistant Chief of the Political Section for Komsomol | | 1 1 |
| 51. | Deputy Chief of the Institute's Political Section | Cent Mai | 1 |
| 52. | Senior Military Topography Instructor | Senior Lt. Capt | 1 |
| - 54. | Military Topography Instructor Senior Instructor of Physical Training and Sports | a Mei 1 | 1 |
| 55 | Physical Training and Sports Instructor | Senior Lts Capt | 1 |
| 55. 56. | Senior Instructor of Aerodynamics | | 1 2 |
| . 57. | Aerodynamics Instructor | | ĩ |
| 58. | Senior Meteorological Training Instructor | Engineer Capt, Engineer Maj Semior Technical Lt, Engineer Capt | |
| 59. | Meteorological Training Instructor | Capt, Maj | ī |
| 60. 61. | Senior Chemical Training Instructor Chemical Training Instructor | Senior Lt. Capt | 1 |
| 62. | Senier Aerial Gunnery Training Instructor | Engineer Maj. Engineer Lt Col | 1 |
| 63. | Aerial Gunnery Training Instructor | Engineer Capt, Engineer Maj | 2 |
| -64. | Political Section Instructor for Party Records | | 1 |
| 65. | Chief of the Residence Maintenance Section | Capt, Maj Maj, Lt Col of the Medical Service | |
| | Chief of the Air Institute's Dispensary | Capt, Maj of the Medical Service | ī |
| 67. | Therapeutic Physician Ear, Throat and Mose Physician | Capt, Maj of the Medical Service | ī |
| - 69. | Chief of the Pharmacy | Senior Lt. Capt of the Medical | - |
| | n en en la companya de la companya d La companya de la comp | Service | 1 |
| | Institute Engineer for Armaments | Engineer Maj, Engineer Lt Col. | 1 1 |
| 71. | Institute Engineer for Special Equipment | Engineer Maj, Engineer Lt Col Col | 1222 |
| 72. | Training Air Regiment Commander | Lt Col, Col | 2 |
| 130 | Training Air Regiment Chief of Staff Training Air Regiment Deputy Commander for Poli- | Lt Col, Col | 2 |
| 740 | tigal Matters | | |
| s. | SECRET/SECURITY INFORM | MATION | |
| | | | |

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| 5. | | - |
|------------|--|---|
| | | Engineer Maj, Engineer Lt Col |
|) . | Regimental Special Equipment Engineer | Engineer Capt, Engineer Maj |
| ŝ. | | Engineer Capt, Engineer Maj |
| 10 | Deputy Chief of Staff of the Training Air Regiment | Capt, Maj |
| | | Capt, Maj |
| | Chief of the Officer and E M Personnel Section of the Training Air Regiment | |
| . 0 | Chief of the Secret Section of the Training Air Regi- | tive Service |
| .0 | ment | Lt, Senior Lt of the Administra- |
| | Chief of the Chemical Service of the Training Air | tive Service |
| | Regiment | Senior Lt; Capt |
| • | Air Squadron Commanders | 36 1 T+ Col |
| ě. | Air Squadron Deputy Commanders | Maj, Lt Col |
| • | Squadron Adjutant (Chief of Staff) | Capt, Maj Capt, Maj |
| o . | Squadron Engineer | |
| 0 | Squadron Armaments Technician | Engineer Capt, Engineer Maj Senior Technical Lt, Capt of the |
| | | Air Technical Service |
| • | Squadron Special Equipments Technician | Senior Technical Lt, Capt of the |
| | | Air Technical Service |
| • | Flight Technicians | Technical Lt, Senior Technical Lt |
| 0 | 37 Flight Commander | Senior Lt, Capt |
| D . | Pilot-Instructor | Lt, Senior Lt |
| 9 | Political Section Agitator | Capt, Maj |
| | Training Battalion Commander | Maj, Lt Col |
| e | Training Company Commander | Senior Lt, Capt |
| • | 29Club Chief | Capt |
| ¢ | Battalion Senior Adjutant | Capt, Maj |
| • | Training Platoon Commander | Lt, Senior Lt |
| ٠ | Communications Platoon Commander | Lt. Senior Lt |
| • | Library Chief | Lt . |
| <u>،</u> ۱ | Officer Total | n de la construction de |
| | Officer Total | Ī |
| | 35. Aircraft Mechanics | |
| | Armaments Mechanics | Master Sgt |
| | | Master Sgt |
| | Electrical Equipment Mechanics | Master Sgt |
| | Radio Mechanics | Master Sgt Master Sgt Master Sgt |
| | | Master Sgt |
| ·. • | Assistant Armaments Machanics | Sgt |
| | Assistant Electrical Equipment Mechanics | Senior Sgt |
| | Assistant Radio Mechanics Assistant Instrument Mechanics | Senior Sgt |
| , ·. | Assistant Aircraft Mechanics | Sgt |
| | Motion Picture Machanics | Senior Sgt |
| , | | |
| | Institute and Regimental Headquaters (lonks | Senior Sgt |
| | Institute and Regimental Headquarters Clerks | Senior Sgt |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters | S. Pvt. Set |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company | Pvt. Sgt |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company | Pvt. Sgt |
| Ŧ | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) | Pvt, Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 |
| E | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company | Senior Sgt Sgt, Senior Sgt Pvt, Sgt Pvt through Senior Sgt Pvt through Sgt |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) | Pvt, Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Sulisted Total <u>Civilian Personnel</u> | Pvt. Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) mlisted Total Nurses | Pvt. Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) mlisted Total Nurses Medical Assistants | Pvt. Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) mlisted Total Nurses Medical Assistants Laboratory Technician | Pvt. Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) inlisted Total <u>Civilian Personnel</u> Nurses Medical Assistants Laboratory Technician Typists | Pvt. Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| - | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Inlisted Total Nurses Medical Assistants Laboratory Technician Typists Dishwashers | Pvt. Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| - | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Communications Platoon Personnel (Excluding Officers) Chlisted Total Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters | Pvt. Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| - | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Sulisted Total Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators | Pvt. Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Sulisted Total Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators | Pvt. Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) milisted Total <u>Civilian Personnel</u> Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) inlisted Total <u>Civilian Personnel</u> Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telegnaph Operators Telegraph Operators Storekeepers Metalworker (Locksmith) | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 21 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Inlisted Total Murses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers Metalworker (Locksmith) Carpenter | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Inlisted Total Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers Metalworker (Locksmith) Carpenter Electrician | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Inlisted Total Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers Metalworker (Locksmith) Carpenter Electrician Waitresses | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Inlisted Total Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers Metalworker (Locksmith) Carpenter Electrician Waitresses Accountants | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Enlisted Total Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers Metalworker (Locksmith) Carpenter Electrician Waitresses Accountants Bookkeepers | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) milisted Total <u>Civilian Personnel</u> Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers Metalworker (Locksmith) Carpenter Electrician Waitresses Accountants Ecokkeepers Librarians | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Inlisted Total <u>Civilian Personnel</u> Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telephone Operators Storekeepers Metalworker (Locksmith) Carpenter Electrician Waitresses Accountants Bookkeepers Librarians Stokers | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) muses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers Metalworker (Locksmith) Carpenter Electrician Waitresses Accountants Bookkeepers Librarians Stokers Dining Hall Supervisor | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) muses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers Metalworker (Locksmith) Carpenter Electrician Waitresses Accountants Bookkeepers Librarians Stokers Dining Hall Supervisor Drivers | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) Inlisted Total Nurses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers Metalworker (Locksmith) Carpenter Electrician Waitresses Accountants Bookkeepers Librarians Stokers Dining Hall Supervisor Drivers Counter Workers (Buffetchiki) | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |
| | Institute and Regimental Headquarters Clerks Storekeepers and Other Supply Positions at Headquarters Drivers, Motor Vehicle Mechanics and Other Positions in the Motor Vehicle Company Communications Platoon Personnel (Excluding Officers) muses Medical Assistants Laboratory Technician Typists Dishwashers Porters Telephone Operators Telegraph Operators Storekeepers Metalworker (Locksmith) Carpenter Electrician Waitresses Accountants Bookkeepers Librarians Stokers Dining Hall Supervisor Drivers | Pvt Sgt Pvt through Senior Sgt 5 Pvt through Sgt 2 21 |

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Equipment in the training section of an Air Institute for Bomber Pilots will consist of the following objects which will be concentrated in training classrooms, on gunnery and bombing ranges, and in special areas set aside for this purpose;

Wind tunnel (there may be a few wind tunnels of varying sizes; however, they will all be installed in classes where students are trained in aerodynamics) (2-4). Link trainers (4).

3. Cabins (whose designation I cannot remember) containing radio compass, a radio semicompass (Radio-Polukmopas), and instruments insuring their operation. This equipment is installed in aerial navigation classes (2-4). 14. 480

Turrets with sighting mechanisms and models of guns actually used on bomber aircraft. These are installed in Aerial Gunnery Service Classes (4).
 Combat arms mounted on stands (Piramidi) and an instrument necessary for stripping

and assembling the given aerial gun (4-6).

6. Aircraft engines of various constructions used in bomber aviation (2). These are mounted on metal or wooden stands in technical training classes. The fuselage of the bomber aircraft on which the students will receive their training 7.

(2).8.

- Cabins with sighting mechanisms and combat arms are installed on the gunnery range (3-4);
- Charts illustrating the aerodynamic characteristics of bomber aircraft (20).
- 10. Charts showing the position of a bomber aircraft during the various stages of flight /e g during a dive or turn (4-6).
- 11. Tripods with sighting mechanisms (6).

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12. Chart showing the appearance of a target from varying distances (10).

13. Charts showing correct and incorrect take-offs and landings (6).

- 14. A cabin used for training pilots in visual orientation (4).
 15. Charts showing the organization of bomber aviation (4-6).
 16. Charts showing the organization of the military air forces of foreign countries (4-8). 17. A gunnery range equipped with movable and stationary targets, sighting mechanisms mounted on tripods, and aircraft turrets and cabins from which pilots receive aerial gumery training (18-24). 18. Sectional cuts of models of various aircraft engines used in bomber aircraft (2). 19. Models of bomber aircraft (50-100)

20. Charts showing sectional views of the structure of aircraft spray tanks and universal chemical spray tanks / capable of spraying chemicals, gas, etc/ (4). 21. Sectional cuts of models of various aerial bombs showing their weight, loading, and

complete structure (8-12).

22. Picture poster showing the characteristics of various objects when contaminated by poisonous military substances (aircraft, localities, etc) (2-4).

23. Picture showing sectional views of gas masks for people and animals, or, a board to which is fastened actual sectional cuts of gas masks, corrugated hoses, and cannisters (2);

24, Poster chart showing all of the anti-chemical defense methods. This will include: anti-mustard gas capes, raincoat capes, socks, rubber gloves, rubber shoes, and indi-vidual first aid packages for those stricken in a chemical attack (6-12).

25. Poster chart showing the organization of decontamination points for personnel and aircraft (2). All of these are located in the chemical training class.
26. Poster showing various types of air masses and indications of their proximity (6-8).

27. Poster showing storm characteristics, flights through overcasts, and their influence on aircraft flights (2).

28. Posters showing various types of overcasts and their designation (2).

29. Table showing local characteristics which can be used in determining weather (2).

30. Pictures of meteorological instruments (2-4).

31. Sectional cuts of models of aerial cartridges and shells and their specifications such as their tracer, explosive, armor-piercing, armor-piercing-incendiary, and incendiary qualities (15-20).

32. Sectional cuts of models of various aerial bombs and detanators, and poster charts showing the type of bomb used with various detaonators (12-18).

33. Aerial cannons and machine guns mounted on stands for student training purposes, and facilities for their stripping (6-8).

34. Charts showing the defensive organization of an infantry squad, platoon, company and battalion (4-6).

35. Boards to which are attached parts of engine components from bomber aircraft (6-8). 36. Posters showing topographical marks which are used to designate localities on charts and maps by the Military Air Forces (2).

37. Charts showing the ballistic characteristics of aerial bombs and shells (4-6).

38. Bombing range (1) with various targets (4-6), including dummy motor vehicles, aircraft, and other targets.

39. Board with sectional cuts of the oxygen equipment used on various type bomber aircraft (2).

40. Model of a navigator's ruler (2-4)

41. Model of an aircraft computer (2-4).

42. Secret library which includes the following important books and documents for training:
(a) Aerodynamics books (unknown author) (30-40).
(b) Book dealing with aerodynamics at high speeds (unknown author) 20-30).

(c) Book dealing with aircraft engines (unknown author) (40-60).

Engineer Shulzhenko's books on "Aircraft Construction" (40-60).

Manual dealing with the execution of flights (50). (e)

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Colonel Envald's books on "The Theory of Aerial Gunnery" (50-100). Navigators' Training Manual (40).

- (f) (g) (h) Instructions dealing with the utilization of various type aircraft in the air (40-50).
- Field Regulations for the Armed Forces of the USSR (10-15). Unit internal subordination regulations (30). Garrison service regulations (25-30). (1)
- (k
- (1)
- (m)
- (n)
- Garrison service regulations (22-30). Disciplinary Service (Punishments) Regulations (40). "Bombing Training" (unknown author) (50-100). Bombing Manual (Rukovodstvo Po Bombometanio) (RB-43) (30-50). Manuals dealing with the combat application of fighter, ground-attack, bomber, reconnaissance, and transport aviation (150-200). Aviation Combat Regulations (10). Manual dealing with the field service of headquarters (30-40). High-altitude Training Manjal (10-15). Communications Service Manual (10). Informational handbooks nublished by the Voroshilov Military Academy (100). (0)

- (s) (t)
- (u)

- Communications Service Manual (10). Informational handbooks published by the Voroshilov Military Academy (100). Books dealing with Military Topography (unknown author) (10-25). Physical Training ad Sports Program of the Military Air Forces (10). Intelligence bulletins pertaining to foreign troops (40). Informational handbooks for the study and generalization of the Great Patriotic (w) (x) War's experiences (100).

In addition, this library contains a series of other books which are required by students for study purposes and by instructors to prepare for their classes (200-300).

- Thus, an Air Institute for Bomber Pilots has the following number of permanent officer personnel 162 persons; permanent enlisted personnel 217 persons; permanent civilian personnel 77 persons. Total permanent personnel 456 persons. 16.
- If the civilian personnel of the institute are not taken into account, the institute's per-manent personnel number 379. By my computation, there are 300 students in an Air Institute for Bomber Pilots. 17.
- In similarity to an Air Institute for Fighter Pilots, this institute also has two training air regiments and one battalion. However, there is a considerable difference in the number of personnel and aircraft between the two institutes. Each air regiment in an Institute 18.for Bomber Pilots consists of two squadrons, and each squadron of which two aircraft are I1-2's or IL-12's, three are combat trainers of various types, and three are combat air-craft of the frontal bomber type. Thus, each air regiment has 16 bomber aircraft of different types.
- The number of aircraft in an Air Institute for Bomber Pilots is smaller, since the training of students in the techniques of piloting aircraft is simplified due to the fact that a group of 12-15 students can be taken up simultaneously on such an aircraft as the I1-2 or 19. I1-12 and then can be instructed for a considerable period of time on these aircraft. The fighter and ground-attack institutes are at a disadvantage here since they can take up only one student at a time.
- The T/O of the Air Institute for Bomber Pilots given above dees not refer to long-range 20. aviation, since the long range air institutes were separate during the Great Patriotic War (World War II) and in my opinion, are still separate. There is some difference between the T/O's of long-range air institute and an air institute for Bomber Pilots,
- It must be pointed out that the Air Institute for Bomber' Pilots graduates pilots for mili-tary transport aviation also, since there are no special air institutes for transport pilots in the VVS of the Soviet Army. 21.
- The reason for this is that there is no particular need for such institutes since bomber 22. pilots can always be converted into transport pilots.

Permanent Personnel T/O of a Navigators' Air Institute

| No | Duty Designation | Military Grade No of Pers | |
|-----------|--|---------------------------------------|--|
| 1. | Chief of the Air Institute (Navigators') | Lt Gen of Aviation, Maj Gen of | |
| 2. | Adjutant to the Chief of the Air Institute | Aviation 1 Senior Lt, Capt 1 | |
| 3. | Institute Chief of Staff | Maj Gen of Aviation | |
| 1 | Main Engineer of the Institute | Maj Gen of the Engineer Aviation Ser- | |
| 4 • | WELLI DIGTICAT OF SWA THE STATE | vice, Engineer Col | |
| 5. | Deputy Chief of the Institute for Drill Matters | Lt Col. Col l | |
| 6. | Deputy Chief of the Institute for the Rear | Col of the Quartermaster Service 1 | |
| 7. | Chief of the Institute's Political Section, simil- | Maj Gen, Maj Gen of Aviation, Col 1 | |
| 1.0. | taneously the Deputy Chief of the Institute for | | |
| | Political Matters | | |
| 8. | Chief of the Institute's Medical Service | Col of the Medical Service 1 | |
| | Main Navigator of the Air Institute | Lt Col. Col 1 | |
| 9. 10. | Chief of the Institute's Officer Section | Lt Col. Col 1 | |
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| | | | | |
| 11. | Chief of the MGB Counter-Intelligence Section | Lt Col, Col | | 1 |
| | Chief of the Flight-Training Section, simultaneous- | Do COI, COI | • | |
| 12. | ly the Deputy Chief of Staff of the Institute | Col | | 1 |
| | | Lt Col, Col | | ī |
| 13. | Chief of the Institute's Communications | Capt, Maj of the | Administrativa | . |
| 14. | Chief of the Institute's E M Personnel Section | | AUNITITIES OF G OT AG | 1 |
| | | Service | Output come at an | 7 |
| 15. | Chief of the Institute's Finance Section | Capt, Maj of the | Quar termas ter | 1 |
| | | Service | o | 1 |
| 16. | Main bookkeeper of the Finance Section, simultan- | Capt, Maj of the | Quarternaster | - |
| | eously the Deputy Chief of the Section | Service | · · · · · | 1 |
| 17. | Main Bookkeeper of the Institute's Food Section | Maj of the Quarte | | 1 |
| 18. | Deputy Chief of the Food Section, simultaneously | Capt, Maj of the | Quartermaster | |
| | the Chief of the Food Storehouse | Service | | 1 |
| 19. | Chief of the Institute's Clothing and Equipment | Maj of the Quarte | ermaster Service | 1 |
| | Supply | - | | |
| 20. | Deputy Chief of the Institute's Clothing and Equip- | Capt, Maj of the | Quartermaster | |
| | ment Supply, simultaneously the Chief of the Cloth- | Service | | 1 |
| | ing and Equipment Storehouse | | | |
| 21. | Petroleum, Oil and Lubricants Chief | Senior Technical | Lt. Capt of the | |
| No de Q | I CARATAN OF MEN DAYS TOMIND ON TOP | Air Technical Ser | | 1 |
| 22. | Chief of the Institute's Technical Supply | Capt of the Air I | | |
| 6060 0 | ANTOT AT AND THOATAGAG O TEATHTOUT AND TA | Engineer Maj | | 1 |
| 30 | Chief of the Institutels Ammunition Sunning | Capt of the Air I | echnical Service | |
| 23. | Chief of the Institute's Ammunition Supply | Engineer Maj | | .1 |
| 13.4 | Commandow of the Institutels Mater Vehicle | THETHER WE | | - ** |
| 240 | Commander of the Institute's Motor Vehicle | Cont No i | | 1 |
| 0 | Company | Capt, Maj | The Productor | Ŧ |
| 25. | Assistant Commander of the Motor Vehicle Company | Senior Technical | Lt, Lugipeer | 1 |
| | for Technical Matters | Capt | | 1 |
| 26. | Assistant Chief of the Institute's Personnel Section | Capt, Maj | | 1 |
| 27. | Assistant Chief of the Institute's E M Personnel | Senior Lt, Capt o | of the Adminis- | |
| 2 B | Section | trative Service | | 1 |
| 28. | Motor Vehicle Platoon Commander | Lt, Senior Lt | | 1 |
| 29. | Chief of the Institute's Secret Section | Senior Lt, Capt c | of the Adminis- | |
| ~~ / 0 | | trative Service | | 1 |
| 30. | Chief of the Institute's 6th Section (Cipher Ser- | | | |
| 200 | vice) | Capt, Maj | | 1 |
| 27 | | Senior Lt, Capt | | ī |
| 31. | Assistant Chief of the Institute's 6th Section | Engineer Capt, En | dineer Mei | ī |
| 32. | Chief of the Institute's Meteorological Station | | Erneer way | 1 |
| 33. | Chief of the Institute's Bombing Range | Lt, Senior Lt | T 4 | ĩ |
| 34. | Senior Meteorologist | Senior Technical | | |
| 35. | MGB Counter-Intelligence Section Investigator | Lt through Maj In | 1CT | 1 |
| 37. | Chief of the Tactics Training Cycle, simultane- | Maj, Lt Col | | 1 |
| | ously the Deputy Chief of the Flight-Training Section | n | | _ |
| 38, | Senior Insturctor in Tactics Training | Maj, Lt Col | | 1 |
| 39. | Tactics Training Instructor | Capt, Maj | a de la companya de l | 2 |
| 40. | Senior Instructor in Bombing Training | Maj, Lt Col | | 1 |
| 41. | Bombing Training Instructor | Capt, Maj | | 2 |
| 42. | Navigators' Senior Training Instructor | Maj, Lt Col | | 2 |
| 43. | Navigators' Training Instructor | Capt, Maj | | 3 1 |
| | Senior Communications Instructor | Maj, Lt Col | | 1 |
| 44 0 | Chief of the Navigators' Training Cycle | Lt Col, Col | | 1 |
| 45. 16 | | Capt, Maj | | 3 |
| 46. | Communications Instructor | Engineer Lt Col H | ngineer Col | í |
| 47.0 | Chief of the Technical Training | Engineer Maj | | 1 |
| 48. | Senior Instructor in Technical Training | Engineer Capt | | ī |
| 49. | Technical Training Instructor | | | ī |
| 50. | Senior Instructor in Physical Training and Sports | Maj Senior Lt, Capt | | î |
| 51. | Physical Training and Sports Instructor | Senior Lt through | Lt Col Tmel | ī |
| 52 <u>.</u> e | Instructor of the Political Section for Propaganda | Centor, Dr. encoder | THO OOT THOT | - |
| | and Agitation | Furthern Cant P- | dingen 16 i | ٦ |
| 53. | Senior Instructor in Meteorological Training | Engineer Capt, En | HALLEEL ME | 1 |
| 54. | Meteorological Training Instructor | Senior Technical | Lt, Engineer Capt | 2 |
| 55. | Senior Instructor in Chemical Training | Capt, Maj | | 1 |
| 56. | Chemical Training Instructor | Senior Lt, Capt | · · · · · · · · · · · · · · · · · · · | 1 |
| 57. | Senior Instructor in Aerial Gunnery Training | Engineer Maj, Eng | | 1 |
| 58. | Aerial Gunnery Training Instructor | Engineer Capt, Er | ngineer Maj | 2 |
| 59. | Political Section Instructor for Party Records | Senior Lt, Capt | | 1 |
| 60. | Institute Engineer for Armaments | Engineer Maj, Eng | ineer Lt Col | 1 |
| 61. | Chief of the Dispensary | Maj, Lt Col of the | Medical Service | 1 |
| 62. | Therapeutic Physician | Capt, Maj of the | Medical Service | 1 |
| 63. | Ear, Nose and Throat Physician | Capt, Maj of the | Medical Service | 1 |
| | Chief of the Pharmacy | Senior Lt, Capt o | of the Medical | |
| 64. | waanina waxa aanaa aana aana aana a | Service | - 1 | 1 |
| 6E | Senior Instructor in Aerodynamics | Engineer Maj, Eng | ineer Lt Col | 1 |
| 65. 44 | Assodiment of Thetmiston | Engineer Capt, Er | gineer Mai | 2 |
| 66. | Aerodynamics Instructor | Capt, Maj | | ĩ |
| 67. | Chief of the Residence Maintenance Section Deputy Chief of the Institute's Political Section | Mai Lt Col | | ĩ |
| 68. | Deputy Unlei of the Delitical Section for Version | I Sentor It Cent | | ĩ |
| 62. | Assistant Chief of the Political Section for Komsomo | T.t. | • | 1 |
| 36. | Chief Clerk of the MGB Counter Intelligence Section | | | - |
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| | -17) - | | |
| 70. | Senior Instructor in Military Topography | Capt | 7 |
| 71. | Military Topography Instructor | Senior Lt | 1 1 |
| 72. | Senior Instructor of the Political Section for Propa- | | - |
| | ganda and Agitation | Maj, Lt-Col | 1 |
| 73. | Institute Engineer for Special Equipment | Engineer Maj, Engineer Lt CO | |
| 74. 75. | Training Air Regiment Commander Training Air Regiment Chief of Staff | Col Lt Col, Col | 1 1 |
| 76. | Deputy Commander of the Regiment for Political Matters | | 1 |
| 77. | Senior Engineer of the Training Air Regiment | Engineer Maj, Engineer Lt Co | |
| 78. | Regimental Engineer for Special Equipment | Engineer Capt, Engineer Maj | 1 |
| 79. | Regimental Engineer for Armaments. | Engineer Capt, Engineer Maj | 1 |
| 80. 81. | Training Air Regiment Deputy Chief of Staff Training Air Regiment Chief of Communications | Capt, Maj Capt, Maj | 1 |
| 82. | Training Air Regiment Chief of the E M and Officer | Senior Lt, Capt of the Admin | |
| | Personnel Section | trative Service | 1 |
| 83. | Chief of the Secret Section of the Training Air Regi- | Lt, Senior Lt of the Adminis | |
| 84. | ment Chief of the Regiment's Chemical Service | trative Service Senior Lt, Capt | 1 |
| 85 | Air Squadron Commanders | <u>/eicZ</u> | |
| 86. | Deputy Air Squadron Commanders | /sic/ | 3333 |
| 87. | Squadron Chief of Staff | Zsic/ Capt, Maj | 3 |
| 88. 89. | Squadron Engineer Squadron Senior Armaments Technician | Capt, Maj | 3 |
| ₩ 2 • . .(1 | MARINE AN MATTAT UT HUNDERAD TECHNITETEN | Senior Technical Lt, Capt of the Air Technical Service | 3 |
| 90% | Squadron Senior Special Equipment Technician | Senior Technical Lt, Capt of | - |
| . | | the Air Technical Service | 3 |
| 91. | Flight Technician | Technical Lt, Senior Techni- | 2 |
| 92. | Political Section Agitator | cal Lt Capt, Maj | 3 1 2 3 4 2 8 1 1 |
| 93. | Training Battalion Commander | Maj, Lt Col | ź |
| 94. | Flight Commander | Senior Lt, Capt | 3 |
| 95. 96. | Training Company Commander Battalion Senior Adjutant | Senior Lt Capt | 4 |
| 97. | Training Platoon Commander | Capt, Maj Lt, Senior Lt | 8 |
| 98. | Communications Platoon Commander | Lt, Senior Lt | ĭ |
| 99. | Chief of the Club | Capt | 1 |
| _00. _01. | Chief of the Library Air Squadron Navigator | Lt Capt, Maj | 1 3 3 6 |
| _02. | Flight Navigator | Senior It, Capt | 3 |
| _03. | Senior Pilot | Senior Lt, Capt | |
| -04 . | Regimental Navigator Navigator Instructor | Maj, Lt Col | 1 |
| _05 . | Navigator instructor | Senior Lt, Capt | 3 |
| •/0_0f | ficer total | 1 11 | 154 |
| | Enlisted Personnel | | |
| l. | Aircraft Mechanic | Senior Sgt, Master Sgt | 36 |
| 2. | Armaments Mechanic | Master Sgt | 6 |
| 3. | Radio Mechanic | Master Sgt Master Sgt | 3 3 3 12 3 3 1 4 4 |
| 4. | Instrument Mechanic Electrical Equipment Mechanic | Master Sgt | 3 |
| 6. | Assistant Aircraft Mechanic | Sgt | - |
| 7. | Assistant Armaments Mechanic | Sgt | 12 |
| 8. | Assistant Electrical Equipment Mechanic | Sgt | 3 |
| 9. 10. | Assistant Radio Mechanic Assistant Instrument Mechanic | Sgt Sgt | 3 |
| 11. | Motion Picture Mechanic | Senior Sgt | 1 |
| 12. | Headquarters Clerk | Sgt, Senior Sgt | 4 |
| 13. | Various Types of Supply Duty Designations Drivers, Auto Mechanics and Other Specialists of the | Sgt Pvt through Senior Sgt | 40 |
| 14. | Motor Vehicle Company | 1 v vinoagn benior bev | 40 |
| 15. | Communications Platoon Personnel (Excluding Officers) | Pvt through Senior Sgt | 20 |
| * • * | | | |
| т/о в | Inlisted Total | | 141 |
| | | | |
| 4 | <u>Civilian Personnel</u> | | 6 |
| 2. | Waitress Clifferen | | -4 |
| 3. | Medical Assistant | | 4 3 |
| 40 | Laboratory Technician | | 1 |
| 5. 4 | Typist | х. | 4-5 |
| 6. 7. | Dishwasher Clean-up Woman | | 4 |
| 8. | Telegraph Operator | | 3 |
| 9. | Telegraph Operator Telphone Operator | | 3 |
| 10. | Storekeeper Metalworker (Locksmith) | | 4 3 3 3 1 |
| 11. 12. | Consumption and and | | 1 1 |
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| | 18 | - | |
| 13. | Electrician | 1 | |
| 14. | Librarian | 2 | |
| | Accountant | 4 4 4 5 2 2 2 | |
| 16. | Driver | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | |
| 17. | Stoker Counter-helper Dining Room Supervisor Manual Laborer | 2 | |
| 10 | Counter-netper | 1 1 . | |
| 20 | Manual Laborer | 15 <u>15</u> | |
| 200 | HERET TROAT | | |
| | Civilian Personnel Total | 71 | |
| ins low men ran | training section of an Air Institute for titutions were known as Air Institute for ing articles which are required for the t listed below is concentrated in classing ges.) | training of students. (All of the econs, halls, and at the gunnery and | equip- bombing |
| | Aircraft engines of different construct are set on special stands in the techni Wind tunnel; one wind tunnel is install Cabins with radio semi-compasses (of th (of the RK-45 type). There are six suc | leal classrooms. Led in the aerodynamics class. ne RPK-2 or RPK-10 type) and radio co | ompasses |
| | that are used in navigation training. Turrets with sighting mechanisms and me | | |
| 4.0 | they are installed in aerial gunner tre | aining classes. | |
| | De-how of manaft fundal area which are set | t up in hangars or in one of the ball | ls (2). |
| 5. 6. | Model navigators' rulers (of the NL-8 training classes. There are six such a | type) which are kept in the havies | 011 |
| 77 | ruler is known as the NL-8. Aircraft computer models are located in | n the navigation training classes (6) |). |
| ¢ | Models of protrestors (6) are kent int | he navigation training classes. | |
| 9. | Gentional with of models of different | nomber alrerait engines. Incre die | four |
| | such models which are in miniature dime | ensions. The models are located in ' | the |
| | trahmiant training alaggag | | |
| 10. | Gunnery range with movable and station | ary targets, sighting mechanisms mou | ated on |
| | tripods, turrets with combat guns, and | cabins with signting mechanisms and | COM- |
| | bat guns used in the training of studen Charts showing the aerodynamical chara | ats in aerial guinery (20). | these |
| | and loaded in the emotionsmice classe | S | |
| 12, | Sighting mechanisms mounted on tripods | are installed in the aerial gummery | train- |
| 13. | ing classes (4). Minature models of bomber aircraft are | located in the tactics training la | s8 es |
| | | | |
| 14, | (40). Cabins with instrument and bomb-sights which a locality is drawn in exactly t | he same way as it would look to a na | vigator |
| | These and the American American American | | TOT 4440 |
| | the second of the second of the second of the second of the | | |
| | wight and to make necessary computati | ons when bombiling range and smarr are | a tar- |
| | | The shovemberillioned halls | |
| . 15 | a sturned with as models chowing the S | TTHATHTA ALLEFALL OULD' VALUE | า้าวส |
| | versal chemical spray tanks. There ar | e four such models in chemical train | LT 18 |
| | | - | |
| 16 | Actual size models of aircraft bombs s | nowing sectional views of these bond | h models |
| | their weight, load and complete struct | Mie. There are erent to proton the | |
| · . | in bombing classes. | then eviation $(1-6)$; all of these are | • 1oca- |
| 17 | . Charts showing the organization of boa | n to the tactics training classes pr | ior to |

s prior to ted in the secret library out are taken to the factics training classes prior to class meetings in this subject.
18. Charts giving the organization of foreign Military Air Forces (4-8); these charts are also located in the secret library but appear in factics training classes prior to class meetings dealing with this topic.
19. Charts showing the position of a bomber aircraft when it is approaching target and while it is bombing. All of these charts are located in bombing classes.
20. Posters showing the characteristics of various objects when contaminated by combat poisonous substances of the enemy and the type of indicators or signs ted in the secret library but are taken to the tactics tra

combat poisonous substances of the enemy and the type of indicators or signs that should be placed in these locations after the state of contamination is discovered. These posters are located in chemical training classes. There are

21. Posters showing sectional views of the structure of various gas masks. These gas masks include one for people and for animals. There are four such posters.

gas masks include one for people and for animals. There are four such posters. In addition, there may be boards with actual sectional cuts of combat gas masks mounted on them (2). All of these will be located in chemical training classes. 22. Charts showing anti-chemical defense equipment such as shelters, anti-mustard gas capes, raincoat capes, stockings, rubber gloves and boots, and individual first aid packages to be used by victims of an enemy's chemical attack (10). All of these charts are permanently located in the secret library but can be brought to chemical training classes when needed during class sections brought to chemical training classes when needed during class sessions.

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- 23. Chart showing the organization of decontamination and washing points used to decontaminate aircraft and personnel (23).
- Charts showing the type of area and proper altitude from which a smokescreen can be layed with a UKhAP (Universal chemical spray tank). The charts give the following information: Duration of effectiveness, type of area and proper altitude, and the wind and aircraft speeds at which a given area can be effectively sprayed with combat poisonous agents. There are approximately ten such charts which are kept in the secret library (in the same manner as in points 22 and 23) except when needed at meetings of chemical training classes.
- Charts showing thunderstorm characteristics and their influence of aircraft flights (2-4) 25. These charts are kept in the meteorological training class permanently.
- 26. Charts showing various types of aerial masses, their development, indications of proximity to a given area, the speed with which they move and the weather within them (6-8). They are permanently kept in the meteorological training class.
- 27. Charts showing various types of overcasts and their development (2); these are also located in the meteorological training class.
- Tables showing local characteristics which can be used to determine weather and giving 28.
- an explanation of these characteristics (2). Pictures showing various meteorological instruments and the principles of their opera-tions (2)1. These pictures are permanently located in the secret library and are brought 29. to the meteorological training class only when needed for training purposes. 30. Models of various aerial shells and cartridges with a designation of their function (such
- as incendiary, tracers, armor-piercing, etc.) (15-20). These are mounted on a special board or are fastened to the table in the aerial gunnery training class.
- Aircraft cannons and machine guns mounted on stands or special tables. In addition, 31. there will be instruments used in stripping and assembling on this table (4-6). These are located in the aerial gunnery training classes.
- Charts showing the defensive organization from the infantry squad level to the infantry battalion level inclusive (4-6). These charts hang on the walls of the tactics class. 32.
- Pictures showing the appearance of a target through a gunner's sight at a specified 33. distance (the term "gunner" as used here designates any member of a homber crew who fires the aircraft's guns when it is attacked by enemy fighters). These pictures are located in the aerial gunnery training class (4).
- A bombing range (Poligon) which is equipped with various targets.
- Boards to which are fastened parts of different aircraft engine components (4-6), These are located in the technical training classes. 35. 36.
- Boards to which sectional cuts of a bomber aircraft's oxygen equipment is fastened (2). These are located in the technical training classes. 37.
- Posters showing topographical marks that designate localities on maps (2). These posters hang in tactics classes. 38.
- Pictures showing the structure of various aerial cameras and the operating principles of different parts of these cameras (4). These pictures are kept in the secret library and are displayed in the tactics classes only during training periods.
- Table showing international meteorological symbols which designate various weather son-39. ditions on meteorological maps (1). This table is located in the meteorological training class.
- Table giving the international meteorological code (1). This is also permanently lo-cated in the meteorological training class. 40.
- Tables on which Morse telegraph keys are installed. These are used in training students 41. in receiving and transmitting by ear. These tables are located in navigators' training and communications classes. There are 150 keys installed on each table. The radio equipment of a bomber aircraft - such as a receiver, transmitter, generator,
- 42. antenna structure, converter, microphone, and a throat microphone. One or two of each of the above mentioned pieces of equipment is located in each communications class.
- 43. Charts giving the ballistic characteristics of aerial guns, bombs and shells (4-6). The charts giving the gun and shell data are in the aerial gunnery training classrooms; those dealing with bombs are in the bombing class.
- 44. The secret library contains the following different types of secret literature which are required for training purposes:
 (a) Manual dealing with the execution of flights (50).
 (b) Books dealing with military topography (10-25).
 (c) Manual dealing with high-altitude training (10-15).

 - đ Aviation combat regulations (10)
 - Navigators' Service Manual (40-100).

 - (40-60).
 - Books dealing with aerodynamics (30-40). Books dealing with aerodynamics at high speeds (20-30). Books dealing with "Aircraft Engines" (unknown author) (40-60) Engineer Shulzhenko's books on "Aircraft Construction" (40-60 Field Regulations of the Armed Forces of the USSR (10-15).

 - Colonel Envald's books on the theory of aerial gunnery (50-100). Instructions on the operation of aircraft of different construction (40-60). (1 Communications Service Manual (10) (m)
 - Unit Internal Subordination Regulations of the Armed Forces of the USSR (30-70), Garrison Service Regulations of the People's Commissar of Defense of the USSR (25-(n) (o) 30).
 - Disciplinary (Punishment) Service Regulation (40-60). Bombing Manual (RB-43) (50-100). (p)

 - $\left< \begin{array}{c} q \\ r \\ r \end{array} \right>$ Manuals dealing with the combat application of fighter, bomber, ground-attack, recommaissance, and transport aviation of 1945 (150-200). SECRET/SECURITY INFORMATION

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- (s) Informational handbooks published by the Voroshilov Military Academy of the General Staff (100-150).
- Physical Training and Sports Program for the VVA (10). (t)
- Intelligence Bulletins dealing with the organization of foreign armies (40). Regulations and manuals of foreign armies translated into Russian (20-30). (u)
- (v)
- (\mathbf{w}) Informational handbooks for the study and generalization of experiences of the Great Patriotic War (100).
- (x) Book dealing with the Aerial Photo Service (25-35).

In addition, the secret library contains a series of other books which are required by students for study purposes and by instructors to prepare for classes.

Thus the permanent personnel T/O of a Navigators' Air Institute is:

| Permanent | Officer 1 | Personnel - | 2 0 | 154 |
|-----------|-----------|-------------|------------|-----|
| | | Personnel | | 141 |
| Permanent | Civilian | Personnel | an | |
| | | | | |

Total

366

If the civilian personnel are excluded from the computation, the institute's permanent military personnel T/O is 295 individuals.

According to my computation, the student personnel of the institute will be approximately 300 persons.

23. This air institute has one air training regiment which consists of three squadrons made up of two flights each. Each flight has three aircraft and each squadron six. One flight in each squadron is equipped with Il-2 or Il-12 aircraft and the other with Pe-2's, Tu-2's or other types of aircraft found in bomber aviation. Thus the above air regiment is equipped with 18-20 aircraft of the above mentioned types.

This institute trains navigators for bomber, transport, and recommaissance aviation. Dur-ing World War II and the post-war period of 1945-1946, long range aviation had its own se-parate air institutes for pilots and navigators. At present, these schools may be under long range aviation or under the control of VUZov of the VVS, but regardless of control, they train pilots and navigators for long range aviation only.

Permanent Personnel 17/0 of a Military Air Institute for Long Range Aviation Navigators

| 0 | Duty Designation | | o of Pers |
|--------|--|---|--------------|
| . ہ | Chief of the Air Institute for Long Range Avia- | Maj Gen of Aviation, Lt Gen of | |
| | tion Navigators | Aviation | 1 |
| • | Adjutant to the Chief of the Institute | Senior Lt, Capt | . 1 |
| • | Air Institute Chief of Staff | Maj Gen of Aviation | 1 |
| • | Chief of the Institute's Political Section, sim- | | |
| | ultaneously the Deputy Chief of the Institute for | | • |
| | Political Matters | Maj Gen of Aviation, Col | 1 |
| | Deputy Chief of the Institute for Drill Matters | Lt Col, Col | 1 |
| , | Deputy Chief of the Institute for the Rear | Lt Col, Col of the Quartermaster Service | se 1 |
| | Chief of the Institute's Medical Service | Col of the Medical Service | 1 |
| | Air Institute Main Navigator | Col | 1ī. |
| , , | Air Institute Main Engineer | Maj Gen of the Aviation-Engineer Ser- | 17 |
| | | vice, Engineer Col | ٦. |
| , | Chief of the Air Institute's MGB Counter-Intell- | Trool medanoor oor | - |
| | igence Section | Lt Col. Col | ' 7 |
| | Chief of the Institute's Flight Training Section, | | - |
| | simultaneously the Institute's Deputy Chief of | | |
| | Staff | Col | 1 |
| | Chief of the Air Institute's Officer Personnel | | |
| | Section | Lt Col | 1 |
| | Chief of the Institute's Communications | Lt Col. Col | า |
| | Chief of the Institute's Secret Section | Senior Lt, Capt of the Administrative | - |
| | (w) | Service | 1 |
| | Chief of the Institute's 6th Section (Cypher Ser- | | - |
| • • | vice) | Capt, Maj | ٦ |
| | Assistant Chief of the Institute's 6th Section | Senior Lt, Capt | ÷ |
| | Chief of the Institute's Meteorological Station | Engineer Capt, Engineer Maj | 1 |
| 14 | Chief of the Institute's Bombing Range | Lt; Senior Lt | 1 |
| | MGB Counter-Intelligence Section | Lt Through Maj Incl | 5 |
| ÷ | Senior Meteorologist | Senior Technical Lt | . 4 |
| | Motor Vehicle Plateen Commander | | 2 |
| | Chief Clerk of the MGB Counter-Intelligence | Lt, Senior Lt | ~ |
| | Section | Lt | 7 |
| | | با ما. | T |
| | Chief of the Tactics Training Cycle, simultane- | Bod state And the state of the | 4 |
| | ously the Deputy Chief of the Flight Training Section | Maj, Lt Col | T |
| | Section SECRET/SECURITY INFO | RMATION | |
| | | | |

-21 -

| | an Lyda | | |
|---------------|--|--|----------------------------|
| 24. | Sonian Pratice Proining Instructor | Mei It Col | 1 |
| 25. | Senior Tactics Training Instructor Tactics Training Instructor | Cant Me f | 2 |
| 26. | Conjon Dombing Tubining Instructor | Value to Col | ĩ |
| | Senior Bombing Training Instructor | Maj, Lt Col | |
| 27. | Bombing Training Instructor | Capt, Maj | 2 |
| 28. | Chief of the Institute's E M Personnel Section | | • <u>_</u> • . |
| | | vice | . 1 |
| 29. | Chief of the Institute's Finance Section | Capt, Maj of the Quartermaster Ser- | |
| | | vice | 1 |
| 30. | Main Bookkeeper of the Finance Section, simil- | | |
| | taneously the Deputy Chief of the Finance Sec- | Capt, Maj of the Quartermaster | |
| | tion | Service | 1 |
| 31. | Chief of the Institute's Food Section | Maj of the Quartermaster Service | 1 |
| 32. | Deputy Chief of the Food Section, simultaneous- | - Capt. Maj of the Quartermaster | |
| | ly the Chief of the Food Storehouse | Service | 1 |
| 33. | Chief of Clothing and Equipment Supply | Maj of the Quartermaster Service | ī |
| 34. | Deputy Chief of Clothing and Equipment Supply, | | - |
| 240 | simultaneously the Chief of the Clothing and | Capt, Maj of the Quartermaster | |
| 14 | Equipment Storehouse. | Service | 1 |
| 35. | Petroleum, Oil and Lubricants Chief | | |
| 100 | Tevroredan, orr and hibridanss onler | Senior Technical Lt, Capt of the Air Technical Service | 1 |
| 36. | Chief of the Institute's Technical Supply | Capt of the Air Technical Service, | Т |
| 20. | | | 1 |
| 277 | Mater of the Institutely Annualties | Engineer Maj | 1 |
| 37. | • • • • • • • • • • • • • • • • • • • | Capt of the Air Technical Service, | 7 |
| 20 | Motor Vehicle Company Commander | Engineer Maj | ì |
| 38. | Motor Mabiala Aggintant Commander | Senion Mahaina Ti During Arti | |
| 39. | Motor Vehicle Assistant Commander for Technical | . Senior reconnear Lt, Engineer Capt | 1 |
| in | Matters | Candan Ta., And the state second | |
| 40. | Assistant Chief of the Institute's E M Pers- | Senior Lt; Capt of the Administra- | |
| | onnel Section | tive Service Maj, Lt Col Capt, Maj | 1 |
| 41. | Senior Navigator's Training Instructor | Maj, Lt Col | 2 |
| 42. | Navigators' Training Instructor | Capt, Maj | 3 |
| 43. | Senior Communications Instructor | Maj, Lt Col | 1 . |
| 44. | Chief of the Navigators' Training Cycle | Lt Col, Col | 1 |
| 45. | Communications Instructor | Capt, Maj | 3 |
| 46. | Senior Communications Instructor Chief of the Navigators' Training Cycle Communications Instructor Chief of the Technical Training Cycle Senior Technical Training Instructor Technical Training Instructor Senior Physical Training and Sports Instructor | Engineer Lt Col, Engineer Col | 1 |
| 47. | Senior Technical Training Instructor | Engineer Maj | 1 |
| 48. | Technical Training Instructor | Engineer Capt | $-\mathbf{T}_{\mathbf{r}}$ |
| 49. | sever realized and shor of realized | | |
| 50. | Physical Training and Sports Instructor | Senior Lt, Capt Capt, Maj | 2 |
| 51. | Senior Chemical Training Instructor | Capt, Majak _ and when the start of the set | 1 |
| 52. | Chemical Training Instructor | Senior Lt. Capt | 1 |
| 53. | Political Section Instructor for Party Records Senior Meteorological Training Instructor | Senior Lt through Lt Col Incl | ī |
| 54. | Senior Meteorological Training Instructor | Engineer Capt, Engineer Maj | 1 |
| 55. | Meteorological Training Instructor | Senior Technical Lt, Engineer Capt | 2 |
| 56 | Senior Military Topography Instructor | oapu | <u> </u> |
| 57. | Military Topography Instructor | Senior Lt | 2 |
| 58. | Assistant Chief of the Political Section for | | |
| | Komsomol | Senior Lt, Capt | 1 |
| 59. | Deputy Chief of the Institute's Political Sec- | a - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | |
| | tion | Maj, Lt Col | 1 |
| - 60 . | Chief of the Institute's Residence Maintenance | | |
| | Section | Capt, Maj | 1 |
| 61. | Senior Aerial Gunnery Training Instructor | Engineer Maj. Engineer Lt Col | L. |
| 62. | Aerial Gunnery Training Instructor | Engineer Capt, Engineer Maj | 2 |
| 63. | Political Section Instructor for Party Records | Senior Lt, Capt | 1 |
| 64. | Engineer of the Institute for Armaments | Senior Lt, Capt Engineer Maj, Engineer Lt Col Maj, Lt Col of the Medical Service | 1: |
| 65. | able of the Dimension | Maj, Lt Col of the Medical Service | 1 |
| 66. | "Phomenous the Diversit of the | Capt, Maj of the Medical Service | 1 |
| 67. | Ear, Nose and Throat Physician | Capt, Maj of the Medical Service | 1 |
| 68. | Ophthalmologist | Capt of the Medical Service | i a |
| 69 | Chief of the Pharmacy | Senior Lt, Capt of the Medical Ser- | |
| | | Tice | 1 |
| 70. | Senior Aerodynamics Instructor | Engineer Maj, Engineer Lt Col | ī |
| 71. | Aerodynamics Instructor | Engineer Capt, Engineer Maj | ī |
| 72. | Political Section Instructor for Propaganda and | | |
| | Agitation | Maj, Lt Col | 1 |
| 73. | Engineer of the Institute for Special Equipment | Engineer Mai, Engineer It Col | i |
| 74. | Political Section Agitator | Cant. Mai | 1 |
| 76 | Political Section Agitator Training Battalion Commander | We to It. Col | 2 |
| 76 | Training Commany Commandan | Senior Lt, Capt | ĩ |
| 777 | Sentor Battalion Administ | Capt. Mai | 2 |
| 72 | Training Platoon Commander | Lt, Senior Lt | 2428 |
| 70 | Comminder Distoon Commander | The Sentor Et. | 1 |
| 80 | Chief of the Club | Cant Cant | 1 |
| 81 · | Chief of the Librery | | 1 |
| 82 | Training Company Commander Senior Battalion Adjutant Training Platoon Commander Communications Platoon Commander Chief of the Club Chief of the Library Commander of the Training Air Regiment Chief of Staff of the Training Regiment Demity Commander of the Training Regiment | 60] | 1 |
| 82 | Chief of Staff of the Training Deciment | | 1 |
| 84. | Deputy Commander of the Training Air Regiment | 10 001,001 (1.k. (Co.) ↔ Co.) | 1 |
| | Deputy commenter of the fraining att negiment | The cort cort | ÷. |
| | for Political Matters SECRET/SECURITY INFO | JRMATION | |
| 5 C | entre en la companya de la companya | | |
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|--|--|-----------------------|
| Declassified in Part - Sanitized Copy Approved for Release @ 50-Yr SECRET/SECURITY IN | FORMATION | 0300010-4 |
| - 22 - | • . | |
| 85. Senior Engineer of the Training Air Regiment | Engineer Maj, Engineer Lt Col | 1 |
| 86. Regimental Engineer for Special Equipment 87. Regimental Engineer for Armaments | Engineer Maj, Engineer Lt Col Engineer Capt, Engineer Maj Engineer Capt, Engineer Maj Maj, Lt Col | 1 |
| 88. Deputy Chief of Staff of the Training Air Regiment | Mai. Lt Col | 1 |
| 89. Training Air Regiment Chief of Communications | Maj, Lt Col Capt, Maj Senfor Lt, Capt | ī |
| 90. Chief of the Regimental Chemical Service 91. Chief of the Officer and E M Personnel Section of | Senior Lt, Capt | 1 |
| the Training Air Regiment | Service | 1 |
| 92. Chief of the Secret Section of the Training Air- Regiment | Lt Senior Lt of the Administrati | ve |
| | Service | 1 |
| 93. Commanders of Training Air Squadrons 94. Deputy Commanders of Training Air Squadrons 95. Flight Commanders 96. Squadron Navigator 97. Training Air Regiment Navigator 98. Senior Pilots 99. Navigator Instructor 90. Squadron Chief of Staff | Maj, Lt Col | 3 3 3 |
| 95. Flight Commanders | Senior Lt. Capt | 3 |
| 96, Squadron Navigator | Capt, Maj | 3 |
| 96. Squadron Navigator 97. Training Air Regiment Navigator 98. Senior Pilots 99. Navigator Instructor 00. Squadron Engineer 01. Squadron Engineer 02. Aircraft Technician 03. Flight Navigator | Maj, Lt Col Senion Lt: Cent | 3 1 6 3 |
| 99. Navigator Instructor | Senior Lt. Capt | .3 |
| .00 Squadron Chief of Staff | Capt, Maj | 3. |
| DL. Squadron Engineer | Engineer Capt, Engineer Maj | 3 18 |
| .03. Flight Navigator | Senior Lt. Capt | 10 10 |
| 02. Aircraft Technician 03. Flight Navigator 04. Senior Squadron Technician for Armaments | Senier Technical Lt, Capt of the | Air |
| .05. Senior Squadron Technician for Special Equipment | Technical Service Senior Technical Lt. Capt of the | Air |
| -05. Senior Squadron Technician for Special Equipment | Technical Service Senior Technical Lt. Cent of the | 3 |
| | Technical Service | 3 |
| 0 Officer Total | | 176 |
| | | |
| Enlisted Personne | the second s | Y. |
| Aircraft Mechanics Armaments Mechanics Instrument Mechanics Special Equipment Mechanics Radio Mechanics Assistant Aircraft Mechanics Assistant Aircraft Mechanics Assistant Radio Mechanics | Master Sgt, Senior Sgt Senior Sgt | 54 |
| 2. Armaments Mechanics | Senior Sgt | |
| 44 Special Equipment Mechanics | Senior Sgt | 6 |
| 5. Radio Mechanics | Senior Sgt | б « |
| 6. Assistant Aircraft Mechanics | Senior Sgt | 54 |
| 8. Assistant Radio Mechanics | Sgt Sgt | 36 12 |
| 9. Assistant Electrical Equipment Mechanics | Sgt | 12 |
| LO. Assistant Instrument Machanics | Sgt | 12 |
| 12. Aerial Gumers | Senior Sgt Sgt | 18 36 |
| 13. Motion Picture Mechanic | Senior Sgt | 1 |
| 14. Headquarters Clerks and Other Supply Positions | Sgt | 8 |
| Motor Vehicle Company | Pvt through Senior Sgt Incl | 80 |
| 16. Communications Platoon Personnel (Excluding Officers) | Senior Sgt | 20 |
| | | |
| r/O Enlisted Total | | 373 |
| Civilian Personnel | 4 | |
| | | 6 |
| 2. Waitress 3. Medical Assistant | | 6 |
| 4. Typist | | 4 |
| 5. Laberatory Technician | | 6 🧳 🧃 |
| 6. Telephone Operator 7. Telegraph Operator | | 3 |
| 8. Clean-up Woman | (| 2 5 |
| 9. Dishwasher | | 5 5 6 |
| 10. Driver- 11. Counter Assistant | | 6 |
| L2. Manual Laborer | · · · · · · · · · · · · · · · · · · · | 3 15 |
| 3. Stoker | | ちゃ高麗 |
| 12. Manual Laborer 13. Stoker 14. Dining Hall Supervisor 15. Accountant 16. Storekseper | | 5 1 4 3 2 |
| 16. Storekseper | | 4 |
| L7. Metal Worker (Locksmith) | • • • • • • • • • • • • • • • • • • • | 2 |
| L8. Carpenter | | 1 2 |
| 19. Electrician 20. Librarian | | 2 |
| F/O Civilian Personnel Total | - | 83 |
| اليون على المراجع المر من المراجع المر مسلح المراجع ال | and the second | . 1 . 1 |
| SECRET/SECURITY INFORMAT | LON | 4 1 |
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- 23 -

The training section of an Air Institute for Long Range Aviation Navigators is equipped with property required by students for training purposes, and by instructors for preparation. Basically, this air institute is equipped in the same way as the training section of an Air Institute for Frontal Aviation Navigators; however, this institute does have some equipment that the Air Institute for Frontal Aviation Navi-gators does not have and vice-versa. There are further differences in T/E between these institutes in respect to the quantity of models, charts, and other property belonging to the institutes.

This particular Air Institute's training section has the following additional equipment which an Air Institute for Frontal Aviation Navigators does not have:

- 1. Models of sextants in section cuts (4-6); these models are located in the navigators' class.
- 2. Cabins with installed radio compasses and radio semi-compasses (10); these are located in the navigators' class. 3. Models of navigation rulers of the NL-8 type are kept in the navigators' training
- class (8).
- 4. A gunnery range which is equipped with movable and stationary targets, turrets with sighting mechanisms and combat arms used on these turrets, and cabins equipped in the same manner as the turrets and used in aerial gunnery training. There is a total of 30 targets, cabins and turrets. 5. Fuselages from bomber aircraft of the type with which long range aviation is
- equipped. The fuselages are located in hangars (2-3).
- 6. Charts showing celestial orientation during night flights (6).
- 7. Charts showing aerial navigation methods with the use of radio beacons (6); these charts are located in navigators' training classes.
- Charts showing methods of aerial navigation using radio equipment (12); these charts are located in the navigators' training classes.
 Charts showing computation data required in night bombing (8); these are located 1.1
 - in the bombing training class.
 - 10. Charts showing maneuvers utilized by aircraft and groups to avoid antisircraft artillery along the course and in the target area (6); these are located in the tactics classes.
 - 114 Charts showing a mass converging attack on a large enemy objective from all sides (Zvezdnyi Massirovany i Nalet) at night (4); these are located in the tactics classes.
 - 12. Charts showing aerial navigation methods with the use of broadcasting stations (4); these are permanently located in the navigators' training classes.
 13. Models of aircraft with which long range aviation is equipped (100-150 models) these are permanently located in the tactics classes.
 14. Manuals dealing with the combat application of long range aviation (100); these are located in the secret library.

 - 15. Posters showing natural storm characteristics and their influence on long range aviation flights (4); these are located in meteorological training classes.
 - 16. Charts showing methods of aerial navigation under difficult weather conditions (4); these are located in meteorological training classes.
 - 17. Boards on which sectional cuts of parts from the type of oxygen equipment used on long range aviation aircraft are fastened (4-6); these are fastened to the walls of the special equipment classes.
 - 18. Posters showing aerial cameras which are used in night photography (1-2); these are located in the tactics training classes while studies are being conducted and . in the secret library the rest of the time.
 - 19. Table to which morse telegraph keys are fastened. These are used in training student navigators to receive and transmit by ear. There will be approximately
 - 200 keys in the navigators' training and communications classes. 20. Radio equipment from the types of aircraft with which long range aviation is equipped. Such equipment will include: radio receivers, transmitters, antenna structures, generators, converters, microphones, throat microphones, and other equipment required for the operation of aircraft radio equipment. There will be four of each of the above components; all of this property is permenently located in the communications classes.
 - This air institute for long range aviation navigators has two training battalions, each of which consists of two training companies. Each training company is composed of two training platoons. In addition, this institute has one training air regiment consisting of three squadrons, each squadron of two flights, and each flight of three aircraft. One flight in the squadron will have II-12 or Tu-70-type aircraft, and the second flight will be equipped with combat aircraft of the long range aviation type (this includes such types as the Tu-4, Pe-8, Il-4 and others).
 - However, the following variant is also possible. The second flight of the first squadron may be equipped with combat aircraft of the II-4-type, the second flight of the second squadron with Pe-8-type aircraft, and the second flight of the third squadron with combat aircraft of the Tu-4 type.

SECRET/SECURITY INFORMATION

- 24 -

There will be a total of 333 permanent personnel in the regiment of whom 69 will be officers and 264 will be sergeants and privates. Thus, the Air Institute for Long Range Aviation Navigators has a permanent personnel T/O of:

| Permanent Officer Personnel Permanent Enlisted Personnel Permanent Civilian Personnel | - | 176 373 83 | A. S. S. S. Markara, and A. S. S. |
|---|---|------------------|---|
| Total | | 632 | |

If the civilian personnel are not taken into account, this air institute will have a permanent military personnel total of 549 persons. There will be approximately 300 student personnel in this air institute. The Training groups will be composed of about 20-30 persons per group. The personnel of the groups are selected on the basis of the general development and training of the student personnel.

During the period of training, students may be expelled from the institute for various reasons such as: illness, failure to keep up with the work, etc. After students are expelled, they are sent to long range aviation combat units for their future service.

ANNOTATION: In contrast with an Air Institute for Frontal Aviation Navigators, this air institute does not have the following equipment:

- 1. Manuals on the combat functions of ground-attack aviation.
- Charts showing the defensive organization from infantry squad to infantry battalion levels.
- 3. Manuals on the combat function of transport aviation.
- 4. Models of aircraft with chemical spray tanks.

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Permanent Personnel T/O of an Afr School for Mechanics

No Duty Designation Military Grade No of . Pers Chief of the Air School for Mechanics Adjutant to the Chief of the School School Chief of Staff 1 Engineer Col, Col 1 2 Lt, Senior Lt 1 34 .1 Lt Coly Col Chief of the School⁴'s Political Section, simultaneously the Chief of the School for Political Matters Lt Col, Col 1 Maj, Lt Col of the Quartermaster 5 .: Deputy Chief of the School for the Rear Service 1 Chief of the School's Medical Service Chief of the School's MGB Counter-Intelligence Section Chief of the School's Officer Personnel Section 6. Maj, Lt Col of the Medical Service 1 7: Maj, Lt Col 8. Ma j 9. Assistant Chief of the School's Officer Personnel Sec-Senior Lt, Capt tion 10. Chief of the School's Training Section, simultaneously the School's Deputy Chief of Staff Chief of the School Communications Chief of the School's E M Personnel Section ĩ Lt Col Ľl. Maj, Lt Col L2. Senior Lt, Capt of the Administrative Service L3. Assistant Chief of the E M Personnel Section Lt, Senior Lt of Administrative Sec 1 14. Chief of the School's Secret Section Senior Lt of the Administrative Service 1 L5. Chief of the School's 6th Section Capt 1 Assistant Chief of the School's 6th Section 16. Semior Lt 1 17. Chief of the School's Dispensary Maj of the Medical Service 1 8. Investigator of the School's Counter-Intelligence Sec Chief Clerk of the MB Counter-Intelligence Sections Secret File-Typist (Both of these functions are usual-Lt, Senior Lt, Capt _9. ly handled by one female.) Lt Chief of the School's Food Supply 30. Capt of the Quartermaster Service Assistant Chief of the School's Food Supply 1. Senior Lt, Capt of the Quartermaster Service 22. Chief of the School's Financial Section Capt of the Quartermaster Service 1 Bookkeeper of the School's Financial Section 3. Senior Lt of the Quartermaster Service 1 4. 5. Cashier Lt of the Quartermaster Service 1 Chief of the School's Clothing and Equipment Supply Capt of the Quartermaster Service 1 6. Assistant Chief of the Clothing and Equipment Supply Senior Lt of the Quartermaster Service 1 7. Petroleum, Oil and Lubricants Chief Senior Technical Lt 1 8. Motor Vehicle Company Commander Capt 1 9. Assistant Commander of the Motor Vehicle Company for Senior Technical Lt, Engineer Technical Matters 1 Instructor of the School's Political Section for Propa-0, ganda and Agitation Capt 1. Therapeutic Physician Capt, Maj of the Medical Service SECRET/SECURITY INFORMATION.

| • . | | 50X1 | |
|------------|---|--|-------------|
| | - 25 | | |
| 20 | Chief of the Pharmacy | Senior Lt, Capt of the Medical Ser | 1 |
| 32. | Assistant Chief of the School's Political Section | | · , - |
| 0 | for Komsomol | Senior Lt, Capt | |
| 34 0 | Motor Vehicle Platoon Commander | Lt, Senior Lt | ļ |
| 35. | Communications Platoon Commander | Lt, Semior Lt | 1 |
| 36. | Senior Instructor of the Political Section for | 16. 2 | 1 |
| 37. | Propaganda and Agitation | Maj Capt, Maj | ĩ |
| 310 | Political Section Agitator | Maj, Lt Col | 2 |
| 38. 39. | Training Battalion Commander Battalion Senior Adjutant | Capt, Maj | 2 |
| 40. | Training Company Commander | Senior Lt, Capt | 4 |
| 41. | Training Platoon Commander | Lt, Senior Lt | 8 |
| 42. | | | |
| | itical Matters | Maj, Lt Col. Capt | 2 1 |
| 43. | Senior Tactics Training Instructor | | ī |
| 440 | | Senior Lt, Gapt Engineer Capt, Engineer Maj | ĩ |
| 45. | Senior Instructor in Cold-Metal Working Instructor in Cold-Metal Working | Senior Technical Lt, Engineer Capt | |
| 47. | | Engineer Lt Col | 1 |
| 48. | Senior Instructor in Alreraft Engines | Engineer Capt, Engineer Maj | 1 |
| 49. | Instructor in Aircraft Engines | Senior Technical Lt, Engineer Capt | 2 |
| 50. | | | |
| | $-$ tion problem is a called bulk of a constant of a called state γ_{1} and | Engineer Maj | 1 2 |
| 51. | Instructor in Aircraft Construction | Engineer Capt, Engineer Maj | Ъ |
| 52. | Senior Instructor in Aircraft Aerial Armaments Instructor in Aerial Armaments | Engineer Capt Engineer Capt | 2 |
| 54. | Senior Instructor in Airsraft Special Equipment | Engineer Capt, Engineer Maj | 1 |
| 55. | Instructor in Aircraft Special Equipment | Senior Technical Lt, Engineer Capt | 2 |
| 56. | Senior Instructor of Metal Working | Engineer Capt, Engineer Maj | 1. |
| 57. | Instructor in MetalWorking | Engineer Capt | 2 |
| 58. | Senior Instructor in Lathe Operation | Engineer Capt, Engineer Maj | 1 |
| 59 . | Instructor in Lathe Operation | Engineer Capt | 2 |
| 60. | Senior Physical Training and Sports Instructor | Senior Lt | |
| 62 | Senior Physical Training and Sports Instructor Physical Training and Sports Instructor Senior Chemical Training Instructor, simultaneousl | A CONTOL TO A STATE AND A STAT | 2 . |
| 62. | the Chief of the School's Chemical Service | Capt, Maj | 1 |
| 63. | Chemidal Training Instructor | Senier Lt, Capt | 1 |
| 64. | Chief of the School's Residence Maintenance Sec | Lt, Senior Lt | 1 |
| 02.0 | MITTALA ISBORIADIA INSCINCTOL | Lt, Senior Lt | 1 |
| Q0. | Seutor THE Frideor TH FUE LECTHOTORY OF ME CATE | Engineer Capty Engineer Maj | L |
| 67. | Instructor in the Technology of Metals | Engineer Gapt, Capt of the Air Techni | |
| 68. | Senior Instructor in Aircraft Motor Repairs | cal Service Engineer Maj, Maj of the Air Technica | |
| 00. | DOUTOL TUR CLUGGOL IN MILELEL & MOROL VODETTR | Service | 1 |
| 69. | Instructor in Aircraft Motor Repair | Engineer Capt, Capt of the Air Techni | - |
| | | cal Service | L |
| 70. | Instructors and Senior Instructors of Various Sub- | | |
| | jects Whose Designations I Cannot Recall | Maj Incl | 10 |
| m /o - | | | .99 |
| 170 | Officer Total | | |
| Tra a | ddition to the above, I believe this school also has | one flight of Liaison aircraft of the | PO- |
| 2 ty | pe. Under this variant the number of officers in th | e school would be increased by the add | 1- |
| tion | of the following positions: | | |
| | An the second | and a second | . 4 |
| 1 | Commander of the Service (Khozyastveiniy) Platoon | Senior Lt Senior Lt | 1 |
| 2. | Flight Commander Flight Technician | Senior Technical Lt. | ī |
| | Flight Technician Liaison Pilots | Tf | 2 |
| 4. | and the second secon | e T-Ferrer | |
| Tota | | | 5 |
| - | | | - |
| Gran | d Total | and the second | 102 |
| | Enlisted Personnel | | 1 |
| | the second s | Senior Sgt | 1 |
| 1. | Motion Picture Mechanic Clerk of the School's Headquarters and Other Ser- | | |
| 2. | and an Danish and | Sgt, Senior Sgt Senior Sgt, Master Sgt | 8 |
| 3. | Aircraft Mechanics | Senior Sgt, Master Sgt | |
| 4. | Electrical Equipment Mechanic | Senior Sgt, Master Sgt | 1 |
| 5. | Instrument Mechanic | Senior Sgt, Master Sgt | 1 |
| | Assistant Aircraft Mechanic | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 3 |
| 7. | Drivers, Mechanics and Other Specialists of the | Pvt through Master Sgt Incl 3 | 5-40 |
| م مر | Motor Vehicle Company | But the such Master Cat Test | 20 |
| 8.) | Personnel of the Communications Platoon | Pvt through Master Sgt Incl Pvt through Sgt | 12 |
| 9. | Personnel of the Service Platoon The personnel in No 2 are also in this platoon, | | |
| | thus this plateen's strength is 20 persons. | and the start provide the start of the start | |
| | T/O Exlisted Total | n an | 89 |
| | SECRET/SECURITY INFORM | ATION | t. |
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| | | | - 26 | | | 50X1 |
| ла 1911 г. с. 1 | | en e | Civilian | Personnel | | s ^{en en} vila en el composicio de la co |
| 1. | Nurse | | | 4 | | |
| 2. 3. | Medical Assistant Typist | | | 3 | | |
| 4. | Librarian | | | 3 | il station and the | |
| 5. | Carpenter | | • • | 1 | | |
| | Metal Worker (Locksm Stoker | ith) | | 1 | TP | |
| | Clean-up Woman | | · · · | 3 | | |
| ő. | Driver | | | | | |
| 1. | Manual Laborer Waitress | | | 453 | · · · · · · | |
| S. | Counter Helper | an a | | 1 | • | |
| 3. 4. | Cook Dishwasher | | | 3 | | |
| 5. | Storekeeper | | | 3 3 3 | | |
| 6 | Accountant | | | 4 | | |
| 7. | Electrician | | | 1 | - 公開 - 一部 | |
| σ ο | ivilian Personnel Tota | 1 | | 6 | n i An an | |
| us, | the permanent persons | el tetal for | the school is: | | | 7 |
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- 16. Posters showing different methods of anti-chemical defense used in the Soviet Army. Tosters showing different methods of anti-chemical defense used in the Soviet Army. These include: anti-mistard gas stockings, gloves, capes, cape-raincoats, individual first-aid packages, and other methods of anti-chemical defense which are necessary to safeguard personnel, animals and aircraft (10).
 17. Charts showing the electrical system of aircraft (2-3).
 18. Radio equipment from the different types of aircraft with which the Soviet Army is equipped(4).

19.

Models and sectional cuts of models of rifles and sub-machine guns (6). The equipment in the gymnasium and on the sports field of the school is the same as in the other air institutes shown above. 20.

All of the above equipment refers primarily to an air school for aircraft maintenance mechan-ics since mechanics' schools are divided according to the various mechanics' specialties. Thus, each of these schools has more equipment which relates to the specialty of the student mechanics being trained there and less equipment dealing with the other specialities.

Permanent Personnel T/O of & Radio Operator/Gunner School

| | Duty Designation | Military Grade | No of Pers |
|---------------------------------------|---|--|---|
| 1. | | Col | <u></u> |
| | DOWDAT ATTOT AL DESTI | T. O. T. O. P. | - |
| 3. | Chief of the School's Political Section, simultaneous | У | 1 |
| 2 | WAR PERSON VILLEL UI LDB OCHOO! TOP PAIITION HALITIAN | Lt Col, Col | 1 |
| 4. | Deputy Chief of the School for the Rear | Maj, Lt Col of the Quarter | ~ T |
| | Line 2017년 1월 1997년 - 1997년 1월 19일 - 1997년 1월 19일 - | master Service | |
| 2.00 | Chief of the School's Officer Personnel Section | Baine 12. 1 | . 1 |
| Q | and to take Uniter of the School's Officer Personnel Sec. | Senter The Conten The se is | 1 |
| - | etok | | |
| 7.+ | Chief of the School's EM Personnel Section | Administrative Service | 1 |
| | - The Reverse Values Open TARC School Light of the Association of Association | Capt of the Administrative | 9 |
| 8. | AQQIEQUERY UILERI OT THE SCHOOLIN P IF Democran | Service | 1 |
| 93 | | Lt, Senior Lt of the | |
| Э. | Chief of the School's MGB Counter-Intelligence Section | Administrative Service | 1 |
| 9., | Chief of the School's Training Section, similtaneously | Maj | .1 |
| | | 이 일을 알 못했다. 아이들은 아이들의 아이들의 아이들의 아이들의 아이들의 아이들의 아이들의 아이들의 | |
| ۱. | Ohief of the School's Medical Service | Lt Col | 1 |
| oct | | Maj, Lt Col of the Medical | |
| 8. | Chief of the School's Secret Section | Service | 1 |
| | STREET OF STREET DOTIONT & SECLET SECTION | Lt, Senior Lt of the Admin | - |
| 3. | Chief of the 6th Section | istrative Service | 1 |
| | | Capt | ĩ |
| | Assistant Chief of the School's 6th Section | Semior Lt | i |
| | Investigator for the School's MBB Counter-Intelligence | | بل د |
| | | Lt through Maj Incl | ា រ ំ |
| 8 A. | | Lt, Senior Lt | 1 |
| • | Chief of the School's Foed Supply | Capt of the Quartermaster | ι, Έ |
| | | Service | en al le regione de la compañía de l |
| • | Assistant Chief of the School's Food Supply | | 1 |
| | | Senior Lt, Capt of the | $\epsilon_{\perp} \propto$ |
| • | Chief of the School's Clothing and Equipment Section | Quartermaster Service | 1 |
| | | Capt of the Quartermaster | 1 |
| • | Assistant Chief of the School's Clothing and Equipment | Service | 1 |
| | Supply | Semior Lt of the Quarter- | |
| e. | Ohief of the School's Finance Section | master Service | 1 |
| 8 1 51 | The second strange and stall | Capt of the Quartermaster | |
| | Ceshier | Service | 1 |
| <u>.</u> | Petroleum, Oil and Lubricants Chief | Lt, Senior Lt | 1 |
| | Instructor of the Delitical Section of | Senior Technical Lt | 1 |
| 2 | Instructor of the Political Section for Propaganda and Agitation | | |
| D | Demity Ohifef of the Cohestin Dates | Capt | 1 |
| ан. 1 | Deputy Chief of the School's Political Section | Maj, Lt Col | ī |
| | Assistant Chief of the Political Section fer Komsonol | Semior Lt, Capt | ī |
| | TO THE OWNER AND THE OUT OF SUCH POINTING I SAATTAN PAR THE T | | т |
| , , , , , , , , , , , , , , , , , , , | | Maj | 7 |
| | Political Section Agitator | Capt | 1 |
| | Therepeutic Physician | Capt, Maj of the Medical | 1 |
| | an a | Service | |
| • | Chief of the Pharmacy | | 1 |
| | | Semior Lt, Capt of the Med- ical Service | |
| | Chief of the Club | | 1 |
| | Chief of the Library | Senior Lt, Capt | 1 |
| | Comminications Platoon Commander | Lt, Senior Lt | 1 |
| | MOLOT Vehicle Company Commander | Lt, Senior Lt | 1 |
| | Assistant Commander of the Motor Vehicle Commany | Capt | 1 |
| | | Senior Technical Lt, Engin- | |
| | Political Section Instructor for Penty Penerda | eer capt | 1 . |
| 0 | Motor Vehicle Platoon Commanders | Senior Lt, Capt | ī |
| - | Training Battalion Commander | Lt, Senior Lt | 2 |
| | Deputy Commander of the Trad- | | ĩ |
| | Deputy Commander of the Training Battalion for Political Matters | | + |
| | | Maj, Lt Col | 2 |
| | | | ~ |
| | SECRET/SECURITY INFORMATION | | |

| | _ 28 | |
|---|--|--|
| 40. Battalion Senior Adjutant 41. Training Company Commanders 42. Training Platoon Commanders 43. Senior Tactics Training Instructor 44. Tactics Training Instructor 45. Senior Communications Instructor 46. Communications Instructor 47. Senior Instructor for Aerial Armaments 48. Instructor for Aerial Armaments 49. Senior Instructor for Technical Training 50. Technical Training Instructor 51. Senior Instructor for Physical Training and Sports | Capt | 2481131311 |
| 52. Instructor for Physical Training and Sports 524. Adjutant to the Chief of the School 53. Senior Instructor of Chemical Training, simultaneously the Chief of the School's Chemical Services | Senior Lt Capt, Maj Capt, Maj | 11 |
| 54. Chemical Training Instructor 155. Chief of the Residence Maintenance Section of the School 56. Senior Instructor in Military Topography 57. Military Topography Instructor 58. Service Platoon Commander 59. Communications Flight Commander 60. Liaison Flight Technician 61. Liaison Pilots | Senior Lt, Capt Lt, Senior Lt Capt Senior Lt, Capt Lt, Senior Lt Senior Lt Senior Technical Lt, Technical Lt Jr Lt, through Senior Lt | 1 |
| 62. Chief of the School's Ammunition Supply 63. Instructors in Other Subjects Whose Designa- tion. I Cannot Recall T/O Officer Totel | Senior Technical Lt Senior Tech Lt through Major Lacl | 1 10 |
| T/O Officer Total | | 91 |
| Aircraft Mechanics Electrical Equipment Mechanics Armanents Mechanics Instrument Mechanics Assistant Aircraft Mechanics Assistant Aircraft Mechanics Assistant Armaments Mechanics Drivers, Mechanics and Other Specialties of the Motor Vehicle Company Sgts and Pvts of the Communications Platoon Personnel of the Service Platoon Motion Picture Mechanic | Senior Sgt, Master Sgt Senior Sgt, Master Sgt Senior Sgt, Master Sgt Senior Sgt, Master Sgt Sgt Sgt Pvt Through Master Sgt Incl Pvt through Senior Sgt Incl | 3 1 1 3 1 40 20 20 1 |
| T/O Enlisted Total | | 91 |
| Civilian Personn 1. Accountant | 6]. | |
| Nurse Medical Assistant Typist Storekeeper Clean-up Woman Waitress Cook Cook Counter Assistant Metalworker (Locksmith) Uarpenter Electrician Dishwaaher | 4 3 3 3 3 1 1 1 1 1 | |
| 14. Stoker 15. Driver 16. Manual Laborer 17. Librarian | 3 3 4 5 1 | |
| T/O Civilian Personnel Total | 48 | |
| Total permanent Personnel of the School: Permanent Officer Personnel - 91 Permanent Enlisted Personnel - 91 Permanent Civilian Personnel - 48 Total | | |

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SECRET/SECURITY INFORMATION

- 29 -

The total for permanent military personnel (only the officers, sergeants, and privates) in this school is 181 persons.

This school is equipped with one flight of liaison aircraft of the Po-2 type; these aircraft are used to transport officer personnel from the school to the headquarters of the Military District and back again in accordance with instructions of the Chief of the School or the Chief of Staff, There are only three aircraft in this flight. In addition to the above mentioned function, this flight is occupied with the training of students in aerial gunnery. In the latter case, machine guns are installed in the turrets of two of the aircraft while the third sirgnaft nulls the cleave terget at which the school to accord the sirgnaft while the third aircraft pulls the sleeve target at which the students fire.

There is a total of approximately 200 students in this school; the number in each group varies from 20 to 30 persons (but never more than 30). The length of training in this school is two years. This school trains aerial gummers, radio operators for frontal and long range aviation since the latter does not have any special schools for training aerial guinners and radio operators of its own. The training section of this school is equipped in the following manner:

- 1. A guinnery range equipped with mobile and stationary targets, sighting mechanisms mounted on tripods, turrets with combat guns, and cabins with sighting mechanisms and combat arms used in training students in aerial gunnery. There are approximately 30 pieces of the above mentioned equipment.
- 2. Sighting mechanisms mounted on tripods; these are installed in the aerial gummery training classes (10).
- 3. Turrets with sighting mechanisms and model guns of the type used on these turrets and in different types of aircraft (6); all of these are located in the aerial gummery training classes.
- Posters showing the structure of various types of gas masks used by humans and animals (dogs and horses) of the Armed Forces. The gas masks shown on the poster illustrate 40 sectional views of the masks. There are approximately 2-4 such posters. Furthermore, there may be a board to which actual sectional cuts of combat gas masks of the type used in the Soviet Army at the present time, are fastened (1-2). All of this equipment will be located in the chemical training classes during class sessions.
- 5. Posters showing various anti-chemical defensive equipment. Such equipment includes the following: shelters, anti-mustard gas stockings, capes, raincoat capes, rubber gloves and boots, and individual first-aid packages (to be used on victims of an enemy's chemical attack) (10). 25 2.5
- 6. Oharts showing the organization of washing and decontamination points used for personnel and aircraft (2).
- 7. Models of various aerial projectiles and cartridges including a marking giving their function (incendiaries, tracers, armor-piercing, etc.) (20-25). These are either fast-ened to a special board which hangs on the wall or to a table which is located in the . 64 aerial gunnery training classes.
 - 8. Aerial cannons or machine guns which are mounted on stands or special tables; on these tables are instruments which are used in stripping and assembling these arms (6). All of this equipment is located in the aerial gummery training classes.
 - 9. Charts showing the defensive system at infantry squad and infantry platoon levels (4). These are permanently located in the tactics training classes.
- 10. Chart or posters showing how a target will appear at various distances through an aerial gummer's sight, and the distance at which it is advisable to open fire (4-8). These charts or posters are permanently located in the aerial gumnery training classes.
- 11. Posters showing topographical symbols which are used to represent localities and other objects on a map (2-4); these posters are permanently hung up in the tactics classes.
- Tables on which Morse telegraph keys are installed. These are used in training students to receive and transmit by ear. There are approximately 70 Morse telegraph keys on these tables which are located in the communications classes. 12.
- Charts showing the ballistic characteristics of aerial weapons and ammunition (6); these are located in the aerial gunnery training classes. 13.
- 14. Models and model sectional cuts of rifles and submachine guns (6).

4.

- Boards to which the parts of a stripped rifle and submachine gun are fastened (2); these boards may be located in the aerial gunnery training classes or in the corriders of the 15. student's barracks.
- 16. Charts showing the construction of the radio receivers used on different type aircraft (4-6); these are also located in the communications classes.
- 17. Charts showing the construction of the radio transmitters used on different type aircraft (6-8); these are also located in the communications classes.
- 18. Radio receivers and radio transmitters which are located in the communications classes (8); all of these are in working order and may be used (i e, they can be installed in aircraft and used at any time it is necessary to do so).

SECRET/SECURITY INFORMATION

- 19. The antenna structures used with the above aircraft radio equipment (8); (there is one antenna structure for each radio receiver transmitter); these are also located in the communications classes.
- Converters, generators, and other equipment required for the operation of the above 20. mentioned radio equipment (8); these are located in the communications classes.
- 21. The equipment in the gymnasium and on the sports field in this school will be the same as that of the air institutes with the exception of the centrifuge which this school does not have.
- Charts showing the theory of aerial gunnery (10); these are permanently located in the aerial gunnery training classes. 22.
- 23. A Secret Library which is under the supervision of the Chief of the school's Secret Section. The library can be located in the same building with the school's head-quarters, or it can be located in the main training building. The library contains the following literature:
 - $\binom{a}{b}$ Colonel Envald's book on "The Theory of Aerial Gunnery" (50-100).
 - Instructions on the maintenance of aerial weapons under winter and summer conditions (50).
 - (c)
 - Manual dealing with gunnery matters (20-30). Manual dealing with the communications service (50). (đ)
 - (e) Garrison Service Regulations of the Peoples' Commissar of Defense of the USSR (30 - 35)
 - (f)
 - Unit internal subordination regulations of the Armed Forces of the USSR. Disciplinary (punishment) Service Regulations of the Armed Forces of the USSR . (g) (40)。
 - (h)

 - Books dealing with the fundamentals of radio technology (40). Infantry Combat Regulations, 1st and 2nd parts (30). Field Regulations for the Armed Forces of the USSR (5 copies) only the officer (1) (j) personnel of this school are permitted to use these regulations. Aviation Combat Regulations of 1948 (5); these regulations are also used by
 - .(k) the school's officer personnel only.
 - $\binom{1}{m}$ High altitude training manual (15).
 - Technical descriptions of contemporary types of arms and sighting mechanisms (10-20).
 - Books dealing with military topography (20). (n)
 - (o)
 - Technical description of the "P-3" parachute (10). Various other books whose titles I cannot recall (100-150). (p)
- I have shown such duty designations as the Chief of the Meteorological Station and the Senior Meteorologist in the school for mechanics and the school for radio operator/gunners. The basis for doing so was the presence of a liaison flight at the school (which makes it 28. possible for such duty slots to exist at the school). In order for any aircraft to re-ceive permission to take-off, it has to have a weather bulletin and the only place such a bulletin can be obtained is a meteorological station. Since the meteorological station maintains a 24-hour weather surveillance, the Chief of the station has to have an assistant. Thus, if there is no T/O duty slot for a Senior Meteorologist at an AMS (Aero Meteorological Station), there will be one for a meteorologist (a sergeant). However, if there is a combat air unit based on the same airfield as the school's liaison flight, the school may not have an AMS since it can use the meteorological station of the separate Air Technical Battalion which is servicing the combat unit, or the two can work together. Thus, I cannot definitely state these positions exist at such schools.
- I have omitted the following duty designations which exist at the air institutes for pilots and mavigators and the school for aerial gummer-radio operators: A Semior Instructor of Parachute Training, simultaneously the Chief of the Institute's Parachute Landing Service (a Capt or Maj) and an Instructor of Parachute Training (a Semior Lt or Capt). I believe that these positions do exist because parachute training is absolutely essential for the 29. students of the above institutes and school.
- In contrast to the school for aircraft mechanics, the school for aerial gummers-radio operators has one armament mechanic and one assistant armament mechanic in its T/O because 30. the students of the latter school receive aerial gummery training at sleeve-targets; this means that the armament mechanic and his assistant have to check on ammunition expenditures ? the condition of the weapons, and on the correctness with which the students use these arms. In addition to the above functions, these individuals have to check on the condition of the equipment at the gummery range and the combat weapons used by students, as well as maintaining a record of amminition expenditures on the gunnery range and in the air.

| | Permanent Personnel T/O of an A Aviation Pilo | | | |
|---|---|----------------|---------------|------|
| 2 | Duty Designation | Military Grade | No of Pers | |
| a | Chief of the Air Institute Adjutant to the Chief of the Institute Chief of Staff of the Institute Chief of the Institute's Political Section, simultane- ously the Deputy Chief of the Institute for Political Matters SECRET/SECURITY INFO | | 1 1 1 | |
| | | ACTIVITY TOTA | | 11 M |

- 31 -

| 5. | Deputy Chief of the Institute for Drill Matters | | 1 |
|------------|--|--|------------------|
| 6. | Deputy Chief of the Institute for the Rear | Col of the Quartermaster Service | 1 |
| 7. | Chief of the Institute's Officer Personnel Section | Col | 1 |
| 8. | | Maj, Lt Col | 1 |
| 9. | Main Engineer of the Institute, simultaneously the De- | Maj Gen of the Engineer Air Ser | 1 |
| 10 | puty Chief of the Institute for Engineering Air Service | Col | i |
| 10. | Main Navigator of the Institute Chief of the Institute's MCB Counter-Intelligence Sec | Lt Col, Col | ī |
| 11. 12. | Chief of the Institute's Medical Service | Col of the Medical Service | 1 |
| 13. | Chief of the Testitute's E M Personnel Section | Maj of the Administration Ser | 1 |
| 14. | Assistant Chief of the Institute's E M Personnel Section | Semior Lt, Capt of the Admin Ser | 1 |
| 15. | Chief of the Institute's Flight Training Section, simul- | | ٦ |
| 31 | taneously the Institute's Chief of Staff | Col Lt Col | 1 |
| 16. | Institute Chief of Communications Chief of the Institute's Finance Section | Maj of the Quartermaster Service | |
| 17. 18. | Bookkeeper of the Institute's Finance Section | Capt of the Quartermaster Ser | ī |
| 19. | Chief of the Institute's 6th Section | Capt, Maj | l |
| 20. | Assistant Chief of the Institute's 6th Section | Senior Lt | 1 |
| 21. | Chief of the Institute's Food Supply | Maj of the Quartermaster Service | τ |
| 22. | Assistant Chief of the Institute's Food Supply, simil- | Capt of the Quartermaster Service | ٦ |
| 02 | taneously the Chief of the Food Storehouse Chief of the Institute's Clothing and Equipment Supply | Maj of the Quartermaster Service | ĩ |
| 23. 24. | Assistant Chief of the Institute's Clothing and Equip- | Capt of the Quartermaster Ser- | |
| ~~+ 0 | ment Supply | vice | 1 |
| 25. | Petroleum, Oil and Lubricants Chief | Capt of the Air Technical Ser | 1 |
| 26. | Chief of the Institute's Technical Supply | Capt of the Air Technical Ser | 1 |
| 27. | Chief of the Institute's Ammunition Supply | Capt of the Air Technical Ser | 1 1 |
| 28. | Motor Vehicle Company Commander | Capt Senior Technical Lt, Engineer | 4 |
| 29. | Assistant Commander of the Motor Vehicle Company for | Capt | 1 |
| 30. | Technical Matters Motor Vehicle Platcon Commanders | Lt, Senior Lt | 3 |
| 31. | Chief of the Institute's Secret Section | Senior Lt, Capt of the Adminis- | |
| /=0 | | trative Service | 1 |
| 32. | Chief of the Institute's Meteorological Station | Engineer Capt, Engineer Maj | 1 |
| 33. | Chief Clerk of the MGB Counter-Intelligence Section | Lt, Senior Lt | 1 2 1 |
| 34. | Investigator of the MGB Counter-Intelligence Section | Lt through Maj Incl | ž |
| 35. | Senior Meteorologist | Semier Technical Lt Lt Col | i |
| 36. | Chief of the Institute's Bombing Range Chief of the Tactics Training Cycle, simultaneously the | TIC DOT | - |
| 37. | Deputy Chief of the Flight Training Section | Lt Col | 1 |
| 38. | Senior Tactics Training Instructor | Ma j | 1 2 1 |
| 39. | Tactics Training Instructor | Capt | 2 |
| 40. | | Maj | 1 |
| 41. | Bombing Training Instructor | Capt | 2 |
| 42. | Senior Instructor of Parachute-Landing Training, simil- | | |
| | taneously the Chief of the Institute's Parachute Landing Service | Lt Col | 1 |
| 43. | Parachute Landing Training Instructor | Capt, Maj | 1 |
| 44. | Navigators' Training Senior Instructor | Maj | 1 |
| 45. | Navigators' Training Instructor | Capt | 2 |
| 46. | Senior Meteorological Training Instructor | Maj, Lt Col | 1 1 |
| 47. | Meteorological Training Instructor | Capt, Maj | ī |
| 48. | | Maj Capt | ī |
| 49. 50. | | Maj | 1 1 2 1 |
| 51. | Aerial Gunnery Training Instructor | Capt | 2 |
| 52. | Political Section Instructor for Party Records | | 1 |
| 53. | Chief of the Residence Maintenance Section | Capt, Maj | 1 |
| 54. | Chief of the Air Institute's Dispensary | Maj, Lt Col of the Medical Ser | 1 |
| 55. | | Capt, Maj of the Medical Service Capt, Maj of the Medical Service | 1 |
| 56. | Ear, Nose and Throat Physician | Senior Lt, Capt of the Medical | * |
| 57. | Chief of the Pharmacy | Service | 1 |
| 58. | Institute Engineer for Armaments | Engineer Lt Col | 1 |
| 59 | | Maj | 1 |
| 60. | Communications Instructor | Capt | 1 |
| 61. | Senior Instructor of the Political Section for Propa- | | 1 |
| 10 | | Maj, Lt Col | 1 |
| 62. | Instructor of the Political Section for Propaganda and | Capt | 1 |
| -63。 | | Lt Col, Col | ĩ |
| 64. | Chief of the Technical Training Cycle | | |
| 65. | Semior Instructor of Technical Training | Engineer Maj | 1 |
| 66. | Technical Training Instructor | Engineer Capt | 2 |
| 67. | Senior Instructor of Military Topography | Capt, Maj | 1 1 |
| | Military Topography Instructor | Semior Lt, Capt | 112121 |
| 69. | | Capt, Maj | Ŧ |
| | structor | | |
| | SECRET/SECURITY INFORMATI | ON | |
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| Decla | ssified in Part - Sanitized Copy Approved for Release @ 50-Yr 201 SECRET/SECURITY J | | 00010-4 J |
|----------|--|--|--|
| 70. | Bhursing and Grants Testand | | |
| | Physical Training and Sports Instructor | Senior Lt, Capt | 1 |
| 71 | | Engineer Maj, Engineer Lt Col | L 1 |
| 72. | | Engineer Capt, Engineer Maj | 2 |
| 73. | | Maj, Lt Col | ĩ |
| 74 . | Training Company Commander | Semior Lt, Capt | 2 |
| 75. | Institute Engineer for Special Equipment | Engineer Lt Col | ĩ |
| 76. | Commander of the Training Air Regiment | Col | 2 |
| 77. | Cold of Staff of the Training Aim Regiment | Lt Col, Col | |
| 78. | Deputy Commander of the Training Air Regiment for | Te cott ogt | 2 |
| | Political Matters | Lt Col, Col | • |
| 79. | Deputy Chief of Staff of the Training Air Regiment | | 2 2 2 2 2 2 2 2 2 2 |
| 80. | Chief of Communications for the Training Air Designer | Maj, Lt Col | 2 |
| 81. | Senior Engineer of the Training Air Regiment | | 2 |
| 82. | Engineer of the Training Air Regiment for Armament | Engineer Lt Col | 2 |
| 83. | Engineer of the Training Air Regiment for Special | Engineer Maj | 2 |
| - y y | Equipment | · | |
| 84. | Chief of the Treining tim Designation of the | Engineer Maj | 2 |
| 85. | Chief of the Training Air Regiment's Chemical Service Squadron Commanders | | 2 |
| 86. | Fidebt Commendate | Maj, Lt Col | 4 |
| 87. | Flight Commanders | Senior Lt, Capt | 2 2 4 4 12 |
| 07. | Pilot Instructors | Lt, Semior Lt | 12 |
| 88. | | Maj | 2 |
| 89 | Squadron Engineer | Engineer Capt, Engineer Maj | ã |
| 90. | Chief of Staff of the Squadron | Maj | |
| 91. | Squadron Senior Technician for Armament | Senior Technical Lt, Engineer | Cant |
| 92. | Squadron Senior Technician for Special Equipment | Senior Technical Lt, Engineer | Cant J |
| 93. | Chief of the Training Air Regiment's Secret Section | Serior It Cent of the Adminis | Capt 4 |
| | | Senior Lt, Capt of the Adminis tive Service | |
| - 94. | Chief of the Training Air Regiment's Officer and E M | etas Delates | 2 |
| • • • | Personnel Section | G - 1 | |
| 95. | Flight Technicians | Capt | 2 |
| 96. | Chief of the Club | Technical Lt, Senior Technical | .Lt 4 |
| 97. | | Capt | 1 |
| 98. | Senior Adjutant of the Battalion | Capt, Maj | 1 |
| | Commander of the Training Platoon | Lt, Semior Lt | 1 4 |
| 99. | Commander of the Communications Platoon | Lt, Senior Lt | i |
| 100. | Adjutant of the Political Section | Capt, Maj | ī |
| 101. | Chief of the Library | Lt, Semior Lt | 1 1 4 4 |
| 102. | Squadron Navigator | Capt, Maj | 1 |
| 103. | Flight Navigator | Semior Lt, Capt | 7 |
| 104. | Crew Navigator | Lt, Senior Lt | 12 |
| 105. | Flight Technicians (Borttekhniki) | Technical Lt, Senior Technical | T+ 3/ |
| 106. | Squadron Deputy Commanders | Capt, Maj | |
| L07. | Deputy Commander of the Training Battalion for Politi- | Cape, maj | 4 |
| - | cal Matters | Maj | · · |
| | | ل ۲ ۵۵ ۹ | 1 |
| | T/O Officer Total | | and |
| | | | 208 |
| | Enlisted Personne | ก | |
| | | | |
| 1. | Flight Mechanic (Bortmekhaniki) | Master Sgt | 48 |
| 2. | Radie Mechanic | Semior Sgt, Master Sgt | |
| 3. | Instrument Mechanic | Semior Sgt, Master Sgt | 44 |
| 4. | Electrical Equipment Mechanic | Semior Sgt, Master Sgt | 4 |
| 5. | Armament Mechanic | Semior Sgt, Master Sgt | 7 |
| 6. | Assistant Aircraft Mechanic | Senior Sgt, Master Sgt | 4 |
| 7. | Assistant Armament Mechanic | Sgt | 12 |
| 8. | Assistant Instrument Mechanic | Sgt | 12 |
| 9. | Assistant Radio Mechanic | Sgt | 4 |
| 10. | Assistant Ejectrical Equipment Mechanic | _••. | 4 |
| 11. | Radio Operator/Gunaer | Sgt | 4 4 24 |
| 12. | Aerial Gumer | Senier Sgt | 24 |
| 13. | Motion Picture Mechanic | Sgt | |
| 1, | movier ficture moundals | Senior Sgt | 1 |
| 14. | Institute and Regimental Headquarters Clerks as well | · · · · | |
| -1 # | as Other Servicing Positions | Sgt, Semior Sgt | 10 |
| 15, | Drivers, Mechanics and Other Specialists of the Motor | | |
| | Vehicle Company | Pvt through Senior Sgt | 80 |
| 16. | Communications Platoon Personnel (Excluding Officers) | Pvt through Senior Sgt | 30 |
| | T/O Emlisted Total | | - |
| | TA TWITTORGA TOACT | | 233 |
| | Civilian Personnel | | |
| - · | | | |
| 1. | Nurse - | 4 | |
| 2. | Medical Assistant | 4 | |
| 3. | Laboratory Technician | 1 | |
| 40 | Typist | 6 | |
| 5. | Dishwasher | 6 | |
| 6. | Clean-up Woman | <i>k</i> | |
| 7. | Telephone Operator | 7 | 1 |
| 8. | Telegraph Operator | 7 | |
| 9: | Storekeeper | 6 4 4 5 | |
| 10. | Metalworker (locksmith) | | |
| -1.4.4 o | SECRET/SECURITY INFORMATIC | 1 | |
| | SACRATZSBELLEY LANGARMATT | 10/ | |

SECRET/SECURITY INFORMATION

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| | | - 33 - |
|---|--|--|
| 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. | Carpenter Waitress Electrician Accountant Bookkeeper Librarian Stoker Dining Room Supervisor Counter Assistant Driver Manual Laborer | 1 6 1 6 2 2 5 1 2 5 1 5 15 |
| | | |

T/O Civilian Personnel Total

85

50X1

Ther permanent personnel in this institute number 526 persons. If the civilian personnel are excluded from this computation, the permanent military personnel in this institute will mumber 441 persons. The student personnel at this institute will number 300 persons and the training groups will have from 20 to 30 persons per group.

This air institute has one training battalion and two training air regiments. Each air regiment consists of two squadrons and each squadron is composed of two flights. Each flight has three aircraft. These training air regiments are equipped with such aircraft as the II-4, Pe-3, Tu-4, Tu-70, and other types of aircraft assigned to the long range aviation air institutes for training purposes. There are twelve aircraft in each training air regiment.

There is a greater number of permanent military personnel in this air institute than in the air institute for frontal aviation bomber pilots, since this institute is equipped with more complicated aircraft.

The training section of this air institute is equipped in the following manner:

- 1. Wind Tunnels (4).
- Link-Cabin Trainers (4-6).
 Aircraft engines of various constructions used on long range aviation aircraft (2). These are 3. mounted on wooden or metal stands in the technical training classes.
- Cabins or semi-cabins in which radio compasses and radio semi-compasses are installed as well 40 as other instruments required for their operation (2). This equipment is located in the aerial navigation classes.
- Turrets with sighting mechanisms and model guns of the type actually used on long range aviation aircraft $(\overline{4})$. These are located in the aerial gunnery training classes.
- 6. Combat weapons mounted on stands or tables which also contain an instrument for stripping and assembling them (6-8). These are located in the aerial gunnery training classes.
 7. Pressure chamber (1) located in a special building and used for the student's high altitude
- training:
- 8. Charts showing maneuvers to avoid enemy searchlight beams; these charts are permenently located in the tactics classes.

9. Manual dealing with the combat application of long range aviation (100-150 copies).

All of the remaining equipment in this air institute will be the same as in an institute for fromtal bomber aviation pilots.

| 0 | Duty Designation | Military Grade | No of Pers | |
|----------|---|-------------------------|-----------------|-------|
| - 0 | Chief of the Aero Club | Maj, Lt Col | 1 | |
| | Chief of Staff of the Aero Club | Maj, Lt Col | ī | |
| - • | Squadron Commanders - | Capt, Senier Lt | 2 - | |
| | Deputy Chief of the Aero Club for Flying Matters | Capt, Maj | 1 | |
| • . • | Commanders of the Aero Club's Detachments (Flights) | Civilians | 4-6 | |
| ÷ . | Squadron Technicians | Senior Technical Lt | 2 | . 4 : |
| - | Technicians of Detachments (Flights) | Civilians | 4 | |
| | Aircraft Mechanics | Civilians | 20 | |
| | | 1 | This figure is | 2 |
| | - | 1 | nct exact; it | |
| | | | can vary depen- | |
| | | (| ding on the | |
| | | 1 | number of air- | |
| | | | craft. | |
| - | Chief of the Aero Club's Training Section | Civilian | 1 | |
| | Driver | Civilian | 6 | |
| | Typist | Civilian | 2 | |
| | Bookkeeper | Civilian | 1 | |
| | Accountant | Civilian | 1 | • |
| | Guard | Civilian | 10 -1 5 | |
| | Expeditor (Supply Supervisor) | Civilian | 1 | |
| | Aero Club Engineer | Engineer Capt, Engineer | Maj 1 | 14 |
| | Cashier | Civilian | 1 | |
| | Storekeeper | Civilian | 1 | |
| | Pilot Instructor | Civilian | 6 | |
| | Aero Club Physician | Capt of the Medical Ser | vice l | |
| | SECRET/SECURITY INFORMATION | 1 | | |
| | | | | 18.46 |

Declassified in Part - Sanitized Copy Approved for Release @ 50-Yr 2013/06/05 : CIA-RDP82-00047R000200300010-4 50X1 - 34 -21. Nurse Civilian 1 22. Civilian Clean-up Woman 1 23. Civilian 1 Stoker 240 Instructor in the Parachuting Sport 1 Civilian 25. Aero Club Navigator Civilian 1 26. Chief of Employment and Discharge Civilian 1 27. 28. Deputy Chief of the Aero Club for Political Matters 1 Maj, Lt Col Chief of the Special Section Lt of the Administrative 1 Service

75-82

50X1

Aero Club T/O Total

The: personnel total of an aero club consisting of two squadrons is:

| Officers | 11 |
|-----------|----------------|
| Civilians | <u>64 - 71</u> |
| | |

Total 75 - 82

The T/O of an aero club is composed of both military and civilian personnel. All of the aero club's supervisory positions are held by military personnel, and the less important positions by civilian personnel.

At present, every Oblast city, with the exception of Moscow, has one aero club. The number of squadrons vary, therefore, there is variance in the number of personnel at an aero club. The aero club can have several training groups. I do not know exactly how many. These training groups can be divided according to their designation, flight, parachute, and glider.

Primarily youths of seventeen will "receive training in these groups without interruption to their occupations. This means that the whole theoretical course of study in an aero club is conducted in the evenings (after work) and the practical course is conducted on days of rest (Sundave).

The aero clubs are equipped with varied aircraft. The Mogilevskii Aero Club (the one with which I am familiar) had two squadrons equipped with the following types of aircraft: Po-2, Yak-11, Yak-3, Yak-9V, and Yak-9m. There was a total of about twenty aircraft in this aero club. I personally saw the above types of aircraft on the training area of the club and was informed of their number by a former mechanic

The training section of an aero club is equipped in the following manner:

An aircraft engine of the M-11 type mounted on a special stand in the technical training class (1).

An aircraft engine from an aircraft of obsolete-type construction which is still being used 2. by the particular aero club (1); this engine is located in the technical training class.

Posters showing the cooling systems of the given engines (2). The body of a Po-2 aircraft which is located indoors in a classroom or outdoors in a special " 4. area belonging to the aero club (1). The body of the type of aircraft with which the aero club is equipped (1). This is instal-

led in a special area of the aero club's yard.

Posters or charts showing the operation of the lubrication system of these aircraft engines (2). These are located in the technical training class. 6.

Posters containing various appeals calculated to create an interest in aerial matters among the aero club's students (10). 7.

Charts or posters showing the operating principles of the heating systems used in the air-craft engines to be studied in the given aero club (2-3). 8. 9.

Posters showing various elements of flight such as a take-off, a circular flight, a square flight (Postroyeniye Korobechki), a landing approach leveling out and a landing (10). A model of an instrument panel and sectional cuts of instruments used on different type 10.

aircraft (1). 11.

12.

A wind tunnel (1). This is installed in the technical training class. Posters showing the arrangement of a parachute (3). A model of a navigator's ruler which is located in the aerial navigation class (1) Posters giving excerpts from the manual on the execution of flights (3-4). 13.

14.

15.

Posters showing the structure of a gas mask (2). Poster showing storm characteristics and their influence on aircraft flights (1). Poster showing different types of overcasts and their designation (1). 16.

17.

18. Boards to which component parts from engines to be used in the given aero club's training are fastened (2-3)

Mamuals dealing with the execution of flights (4-5). 19.

Charts or posters showing the aerodynamic characteristics of aircraft (3-4). 20.

Books dealing with the study of aircraft motors of outdated construction, which include those motors with which the aero club's aircraft are equipped (30). These books are en-21. titled "Aircraft Motors"

A model of a protractor (1) which is permanently located in the aerial mavigation class. 22. 23. Posters showing the activities of the city populace when an aerial and chemical alert are sounded (4). These posters may be located in the corridors of the building in which the aero club students receive their training.

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- 24. Picture posters showing the development of various aerial masses, their proximity
- characteristics, and the speed of their movement (4). Poster showing the type of meteorological conditions under which the icing of air-eraft occurs (1). 25.
- A table of topographical symbols which designate localities on a map (1). It will be located in the aerial navigation class. 26.
- The radio equipment which is used on the type of aircraft with which the aere club 27. is equipped (1 set). This equipment is located in the technical class.
- Charts showing the correct plotting of a course on a map and the type of computa-tions which are jotted down along the course line (3). These charts are located 28. in the aerial mavigation class.
- Poster showing the rules for selecting, posting together, and folding a map (1-2). These posters are located in the aerial mavigation class. 29.
- Poster showing what a pilot must remember prior to getting into an aircraft (1). 30. This poster is in the aerial navigation class.

About one-third of the aircraft at Mogilevskii Aero Club are Po-2's and two-thirds are of the types which I mentioned above.

- On the basis of pre-World War II information which I have about the Smolensk Aero Club (which trained students on Po-2 aircraft and upon graduation provided them with certifi-cates as pilots of Po-2's, after which the students entered various air institutes for 32. pilots). I believe that at present the students who are being trained as pilots in the aero clubs are still primarily being trained on PO-2 aircraft. The combat and combat training aircraft are utilized for the purpose of maintaining the level of combat flight training on the part of the command personnel of the aero club and the reserve flight personnel who meet at the given aero club.
- During the period of their training, all students in aero clubs are provided with flight clething free of charge (such clething includes: cover-alls, crash-helmets, goggles, rulers, a plotting board, and a protractor) which they must return upon completion of their training at the aero club. The aero club also provides the students with free trans-portation from the class building to the airfield and back. For this purpose, the aero club has cars or buses to transport the students. 33.

The duty designation "Chief of the Special Section" corresponds to the duty designation of Chief of the E M Personnel Section and Chief of the Secret Section of an air regiment.

Supplementary Data on Long Range Aviation

- Upon graduating from a long range aviation air institute and being assigned to a unit, all 34. pilots receive the position of co-pilot; these individuals serve as co-pilots for 2-3 years, and in some cases for longer periods. All of this depends on his degree of achieve-ment in flight training and the presence of vacant "crew commander" positions.
- Some of the officers graduating from an air institute for long range navigators are assigned to the position of crew mavigator immediately upon arriving in a unit. These are the individuals who have completed the air institute with grades of excellent. The others are attached to more experienced crew mavigators with whom they fly for 1-2 years 35. or more depending upon their successes in navigation training. The above information is known to me from conversations with pilots of the long range aviation division stationed on the airfield at Orsila-Mogilev.

Furthermore, due to the contemporary-type aircraft which execute flights which are 24 hours long and more in duration, it is necessary to have two navigators on an aircraft. Consequently, the navigators who have just completed their training are assigned to the position of "second crew mavigator".

- end -

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