

STAR FLIGHT

Yuri Gagarin

(Documents of the first manned flight into space)

April 12, 1991 marks 30 years since that historic day, when Yuri Gagarin made the first in the history of space flight on the Soviet spacecraft Vostok. He made only one revolution around the Earth. But it meant the entry of humanity into a new era. Yuri Gagarin, immediately became a national hero, the first man on the planet. This feat, the secured hard work of scientists, designers, engineers, technicians, workers, pushed the Soviet Union in the development of leaders near-Earth space.

Below is the numerous requests of readers published archived CPSU documents related to the preparation in 1960 - 1961 years. and the launch of 12 April 1961 the spacecraft with a man on board, as well as records of negotiations to the Gagarin Cosmonaut Earth and the report of the State Commission. Documents supplied with footnotes and index names. Retained the original punctuation and spelling.

General Division of the CPSU Central Committee

On preparing to launch a spacecraft "Vostok" manned

**NOTES FROM Ustinov,
Malinovsky, KN Rudnev
Keldysh, S. Korolev and DR. In the CPSU Central Committee ***
September 10, 1960

Sov. Secret
(Of particular importance)

Ind. □ 1

CPSU

The successful launch, the flight in outer space and landing of a spacecraft (the object of the Vostok-1 ") ** a new pose the question of the timing of manned flight into outer space.

* The note omitted items containing proposals relating to other elements of the space program (launch spacecraft to the Moon and Venus). Ed.

** This refers to the launch 19.VIII. 1960 spaceship "Vostok-1" when "the first time in the history of living beings, having made space flight ... returned safely to Earth "(Pravda, August 21, 1960). Ed.

Analysis of the telemetry data received during the flight, Vostok-1 ", indicates the possibility of creating normal living conditions for the existence of man during space flight.

The application, along with automatic control of flight spacecraft, individual items are on piloting a spaceship astronaut improves the reliability of flight and landing craft.

Study identified technical solutions makes it possible to create a space ship (the object of "Vostok-3A) and solve the problem of human flight into outer space at this facility in 1960 *.

The first manned flight into outer space will be one of the most important stages in the exploration of space.

As reported to the CPSU Central Committee, is currently produced rocket system - 8K78 launch vehicle, capable to launch a satellite of the Earth object weighing 7 - 9 tons. The first test of this missile will be produced at the targeted start interplanetary station in the area of Mars in September - October this year .. **

Implementation of the first manned flight in space is challenging and will require enormous efforts by all organizations, developers and industry rocketry.

To ensure that the first manned flight on board the satellite in a short time and with a high degree of reliability necessary to put this problem as a major work in terms of space, pushing time solving other problems in this area.

On this basis we made the following suggestions for a work plan on space development in the coming period:

1. From 20 September to 8 October 1960 to launch interplanetary station in the area of Mars (on this matter to the Central Committee submitted a separate report).
2. After launching one or two objects "Vostok-1" in October - the month of November, and two sites of the East-3A "in November - the month of December to carry out a manned flight in space at the site of the East-3A in December 1960

Work on preparing the launch vehicle and the object of "Vostok-3A for a manned mission to start immediately.

Trained pilots, astronauts completed by December 1, 1960, including training at the facility of the East-3A on the ground ...

Please approve our proposals for the implementation of the first manned flight into space on board the satellite as a problem of special importance.

Please also be allowed to make these changes to previously scheduled work plan for space exploration.

Ustinov
R. Malinowski
K. Rudnev
B. Kalmykov
AP Dementiev
B. Booth
M. Nedelin
Rudenko

B. Ryabikov
M. Keldysh
S. Korolev
Glushko
M. Ryazan
NN Pilyugin
B. Barmin
V. Kuznetsov

Negotiations between YA Gagarin and the Earth

April 12, 1961

ENTRY TALKS
BETWEEN Cosmonauts and PARAGRAPHS
FLIGHT CONTROL FOR VHF and HF radio channels, ranging from
Since landing astronauts SHIP AND UP TO LANDING ****

- Callsign: 1. Astronaut Major ***** GAGARIN A. - "Cedar" CW "RIC"
2. VHF items - Start the Dawn-1
 - Kolpashevo ***** Zarya-2 "
 - Yelizovo ***** Zarya-3 "
3. All HF Centers - "Spring" CW "WPC."

* Projects TASS not be published. Ed.

** The title of the document. Ed.

*** TASS report on the world's first manned flight into outer space "and" On successful return from the first human space flight, "published in Pravda on 12 and 13 April 1961 Ed.

**** Title of the document. Text entry talks between YA Gagarin and mission control points was presented to the Central Committee of KA Vershinin April 25, 1961 with a brief covering note. Ed.

***** In the space flight Gagarin went into the rank of art. Lieut. Ed.

***** Kolpashevo - a town in Tomsk Oblast. Ed.

***** Elizovo - pgt (since 1975 - the city) in the Kamchatka region. Ed.

Negotiations with the astronaut were:

1. At the start of a VHF radio call sign "Zarya-1"
 - Chairman of State Committee of the Council of Ministers for Defence Technology RUDNEV KN
 - Chief Designer of OKB-1 King SP
 - Deputy chief of combat training of Air Force Lieutenant General Aviation Kamanin, NP
 - Chief Designer of NII-695 BULLS S.
 - Astronaut Captain POPOVIC P. R.
 - Representative of the LII GKAT GALA ML *
2. In Kolpashevo via VHF radio call sign "Zarya-2"
 - A representative of Air Force Lt. Col. Titarev GI
 - Representative / h 32103 Lieutenant Drake B.
3. In Yelizovo via VHF radio call sign "Zarya-3"
 - A representative of Air Force Colonel KARPENKO MF
4. In Khabarovsk, through HF radio callsign Ministry of Communications "Spring"

A representative of Air Force Colonel Kadushkin MP

5. In Moscow, via HF radio callsign of the Ministry of Communication, "Spring"

- Representative of SRI-4 MO captain Khoroshilov VI

* Correct: Gallai M. L. Ed.

I. WORK ON UHF CHANNEL

07.10 Cedar: How do you read me?

Dawn 1 (Kamanin): I hear you well.

Dawn 1 (Kamanin): How do you read me?

Cedar: you can hear well.

7.12 *Dawn 1 (Kamanin):* Proceed to check suit. How to understand me?

Cedar: Roger: ready to test spacesuit. 3 minutes. Busy now.

Dawn 1 (Kamanin): Roger.

7.18 Cedar: Check the suit ended (*double-handed*).

Dawn 1 (Kamanin): Roger. Check the VHF communications (*transmitted three times*).

7.20 *Dawn 1 (Bulls):* How do you read me? (*call - 5 times*).

7.21 Cedar: How do I hear? " (*referred to background music*).

7.22 *Dawn 1 (Kamanin):* I hear you fine, as I hear?

Cedar: You hear very little, I lit light and sound transmission on the board. Obviously, there is copying from the tape. How do I get it?

Dawn 1 (Kamanin): Roger, I hear you fine.

7.23 Cedar: You do not understand. Shut down, please, the music, if possible.

Dawn 1 (Kamanin): I understand, now. I hear you fine.

7.24 *Dawn 1 (Bulls):* As I hear? Transfer music goes through the 2 nd HF channel.

Cedar: All done. I hear you well.

Dawn 1 (Bulls): I understand you. Via HF-2 reception is good, I hear you well.

7.25 Cedar: I work on DEMSH (*DEMSH - the dynamic electromagnetic microphone helmet*). I give the score: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

Dawn 1 (Kamanin): You have understood perfectly, keep working.

Cedar: Roger.

7.26 Cedar: Ping. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. How do you read?

Dawn 1 (Kamanin): I understand you perfectly. Hear well. How do I hear?

Cedar: I work on the tape. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

7.27 Cedar: you can hear well. Working on DEMSH. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10. How do you understand?

Dawn 1 (Kamanin): you can hear perfectly. Understand you. Keep checking.

Cedar: I work on the microphone. 1, 2, 3, 4, 5. How do you understand?

Dawn 1 (Kamanin): I can hear perfectly. Understand you.

Cedar: Admission to the phone.

7.28 *Dawn 1 (Korolev):* How do you feel, Yuri?

Cedar: I feel great. Check phones and speakers normally, turn on the phone.

Dawn 1 (Korolev): Got you. We are doing okay, the car is prepared properly, all is well.

Cedar: Got it. I knew it.

Dawn 1 (Korolev): Got you. Okay, okay.

7.29 *Cedar:* Ping finished. How do you understand? Starting position toggle switches on the control set. Globe on-site separation, latitude north 63 °, east longitude 97 °, correction of the figure 710, the separation time 9:00 18 min. 07 sec.; Movable index PKRS (*PKRS - device control mode of descent*) is in the original position - the first day 7. Pressure in the cabin unit, humidity 65%, temperature 19 °, the pressure in the compartment of 1.2, the pressure in the system manual orientation 175, the first automatic orientation 155, second automatic orientation 157, the cylinder pressure TDU (*TDU - retropropulsion*) 320 atmospheres . Feeling good, ready to start. How do you understand?

7.30 *Dawn 1 (Korolev):* I understand you perfectly. Your data is all taken, I do. Ready to start accepted. Everything is going well.

7.32 *Dawn 1 (Korolev):* How do you read me? I need you to pass.

Cedar: you can hear well.

Dawn 1 (Korolev): Yuri, I want you to simply recall that, after a moment's willingness to take place six minutes and will start before the flight. So you do not worry.

Cedar: Got you. Perfectly calm.

Dawn 1 (Korolev): Well, fine, fine. After a minute six minutes and will be ready, so to speak, any cases. Handed the receiver to the chairman.

7.33 *Dawn 1 (Rudnev):* Tells you Rudnev. Yuri A. how you feel, that the new terms you have, what you see through the windows?

Cedar: (*have not heard, led the counter-transfer*) ... okay. Say, how do you understand?

Dawn 1 (Korolev): Do you understand you well. Chairman of you have heard. Everything is normal goes.

7.34 *Dawn 1 (Popovich):* Yura, how are you?

Cedar: How to teach (*laughter*).

Dawn 1 (Popovich): Well, good, good, come on. You knew who to talk to you?

Cedar: Got it - Lily (*Laughter. lily of the valley called cosmonaut Popovich PR*).

Dawn 1 (Popovich): Now you and I will speak.

(*Bulls*): I beg you, if you have time to connect the HF transmitters and talk, to count up to about 20. If you have time, if you're not busy, please. How do you understand? Jura, just started about a minute. Got it?

7.35 Cedar: Roger. Now your task is executed.

7.36 Dawn 1 (Bulls): The separation of the toggle will undertake.

Cedar: Got you. The starting position and work in orbit toggle on the telegraph and the "Dawn". When you split a switch on the signal. *Zarya 1 (Popovich):* Got you. That's right, George.

7.37 Dawn 1 (Popovich): How do you read?

Cedar: I hear you well. How do I?

Dawn 1 (Popovich): I hear you fine. Yura, you're busy right now? *Cedar:* Of course, I do not work very busy.

Dawn 1 (Popovich): Found extension "lilies of the valley." Got it?

Cedar: Understood, understood - continue.

Dawn 1 (Popovich): Let's sing tonight.

7.44 Dawn 1 (Korolev): Everything is working fine. How do you feel?

Cedar: Roger. I, too, is all good, feel good, now will close the door number 1.

7.47 Dawn 1 (Bulls): How do you read? Pings from the bunker.

Cedar: you can hear well. A little quiet talk. How do you understand?

Dawn 1 (Bulls): You have understood.

7.50 Dawn 1 (Bulls): Tell you worked on the TOR for one or both buttons?

Cedar: Now working button on the remote. Currently working on the button on the control stick. Worked with both buttons. Do you hear well? How do you understand?

Dawn 1 (Bulls): Got you. Well I hear you both.

7.52 Dawn 1 (Gala): Check the usability and visibility reminder code table on the "deli". How do you understand?

Cedar: I understand you correctly, check.

Cedar: Use of reminder and the opportunity to read the signals checked, everything is fine.

Dawn 1 (Gala): Got you. Well, well, well done.

7.54 Dawn 1 (Popovich): Yura, you greetings from the collective of all children. Now they have been. How do you understand?

Cedar: Got you. Thank you very much. Tell them the hottest of me.

Dawn 1 (Popovich): Welcome.

7.55 Dawn 1 (Rudnev): How do I hear?

Cedar: I hear you well. How do I?

Dawn 1 (Rudnev): I hear you well. Preparation of products, so good. All is fine, George.

Cedar: Got it. Preparation of products normally. Me too. Feeling and mood is normal, ready to start.

Dawn 1 (Rudnev): Got it.

7.56 Dawn 1 (Korolev): Yuri, as you hear me?

Cedar: I hear you well know, talk to anyone.

Dawn I (Korolev): Yuri, I want to remind you that I will not give the word "seconds", but simply to give figures about every fifty, approximately: 50, 100, 150, and more. Understand?

Cedar: Got it, so I thought.

Dawn I (Korolev): Okay.

7.57 *Cedar:* Please twentieth Communications (*twenty - Korolev*).

Dawn I (Korolev): Twentieth connected.

Cedar: I ask for a reliable connection to the active portion of time to report earlier or later start to the second, if any.

Dawn I (Korolev): I understand you, understand. Your request will be fulfilled, Yuri.

7.58 *Dawn I (Korolev):* Yuri, we have it happen: after closing the door like a kontaktik not shown that he pressed, so we probably are going to remove the hatch and then put it back. How to understand me?

Cedar: I understand you correctly. Hatch open, check the alarms.

Dawn I (Korolev): Well, well, well.

8.5 *Dawn I (Kamanin):* Declared willingness hours. Continue the inspection of equipment. How do you understand?

Cedar: you understand. Declared a willingness to hour. Everything is normal, feeling good, the mood is cheerful, ready to start.

Dawn I (Popovich): I understand you perfectly, Jura.

8.6 *Dawn I (Popovich):* You're now working on the laryngo or DEMShe? (*DEMSh - the dynamic electromagnetic microphone helmet*).

Cedar: I work on DEMSH.

Dawn I (Popovich): Got you.

Dawn I (Kamanin): Pings. How do you read?

Cedar: you can hear well. How do I?

Dawn I (Kamanin): you can hear perfectly.

7.8 *Dawn I (Kamanin):* Package watching? You can reach to him? Look at the package and report back.

Cedar: Package checked. Reach easily and freely. How do you understand?

Dawn I (Kamanin): You have understood well.

8.8 *Dawn I (Kamanin):* So now go wagons. I wonder: Do you hear or not?

Cedar: Care of these cars will not hear: the noise hurts big, I hear you only.

Dawn I (Kamanin): Clearly, you understand.

8.10 *Dawn I (Kamanin):* Announced 50-minute alert.

Cedar: Roger: declared a 50-minute alert.

8.13 *Dawn I (Korolev):* How do you read me? Cover has already started to put probably?

Cedar: you can hear well. Cover is obviously end up wrapped.

Dawn 1 (Korolev): I understand you, we are fine.

Cedar: I, too, all is well. Feeling good, the mood buoyant.

Dawn 1 (Korolev): Well, very well. Just cope from Moscow about your health. We are there told that everything is normal.

Cedar: Got you.

8.14 *Dawn 1 (Popovich):* Yura, well, do not miss it?

Cedar: If there is Muzychka, you can let a little.

Dawn 1 (Popovich): One moment.

8.15 *Dawn 1 (Korolev):* You probably hear a noise now. This lowered catwalks. Work on farms all over. How do you understand?

Cedar: Roger: lower the catwalks, but I can not hear the noise. Some feel the vibrations.

Dawn 1 (Korolev): Clearly, it is understandable. Everything is fine.

Dawn 1 (Korolev): Station Zarya ("Dawn" - VHF ground station), I Zarya-1. Comply with the request "Cedar". Give him Muzychka let him tune.

Dawn 1 (Popovich): Have you heard? Meets "Dawn": try to accommodate your request. So let Muzychka, and somewhat boring.

8.17 *Dawn 1 (Popovich):* Well, how? - Music is?

Cedar: While there is no music, but I hope it will now.

Dawn 1 (Popovich): Well, you could hear the promise?

Dawn 1 (Korolev): Well, as the music gave you, no?

Cedar: Not yet given.

8.19 *Dawn 1 (Korolev):* Clearly, the same musicians: while there, while here, not so fast it is like a fairy tale tells, Yuri.

Cedar: Dali's about love.

Dawn 1 (Korolev): Dali Muzychka about love? This sensibly, Yuri, I think.

Dawn 1 (Popovich): Yura, well, that gave the music, yes?

Cedar: the music was given, all is well.

Dawn 1 (Popovich): Well, well, then you will not be so boring.

8.20 *Dawn 1 (Popovich):* Yura, guys are all very happy that you are fine and everything is normal. Got it?

Cedar: Got it. Cordial greetings to them. Listen Utesova. From the heart - "Daisies."

Dawn 1 (Popovich): Come on, come on, listen.

8.25 *Dawn 1 (Korolev):* Sealed checked - everything is normal, in perfect order. How do you understand?

Cedar: Roger: tightness in the order. I hear and observe: leak checked. They have something they tapped a little bit.

Dawn 1 (Korolev): Well, that's fine, everything is fine.

8.27 *Dawn 1 (Korolev):* now you watched on TV - OK, the form you have graced us with: peppy. How do you read me?

Cedar: you can hear well. She feels good, cheerful mood, ready to start.

Dawn 1 (Korolev): Well, well, well. We are all fine.

8.30 *Dawn 1 (Popovich):* Yura, well, this is not boring?

Cedar: Okay. About love singing there.

Dawn 1 (Popovich): Well, how are you doing, Jura? Everything is normal, in preparation. Here goes well, without stammering, without whole. The boys now go to the Zarya ("Dawn" - ground VHF).

Cedar: Roger. I, too, all good: quiet, well-being is good. Hi guys. All the time they feel good friendly support. They are with me.

Dawn 1 (Popovich): Well, welcome, welcome, George.

8.32 *Dawn 1 (Popovich):* Yura, you're all too willing, all fit and they say to give you all a good trip and everything, everything, everything, right? Good luck. Everyone wants only good.

Cedar: Got it. Many thanks, heartfelt thanks.

Dawn 1 (Rudnev): Says Rudnev. Your health and well-being interested comrades from Moscow. Gave you a good feel, and therefore open to further cases.

Cedar: They reported correctly. Feeling good, the mood buoyant, further work is ready.

Dawn 1 (Rudnev): Got you.

8.33 *Dawn 1 (Kamanin):* Take a starting position for the registration of physiological functions.

Cedar: Starting position for the registration of physiological functions has taken.

Dawn 1 (Kamanin): Roger.

8.35 *Dawn 1 (Kamanin):* It will take an installer. How do you understand?

Cedar: Roger: will take the installer.

8.37 *Dawn 1 (Kamanin):* Bolt Installer walked normally. How do you understand?

Cedar: I understand you: Arrow installer walked normally.

8.40 *Dawn 1 (Korolev):* Yuri, we are now negotiating this point carry over from here, from the start, in the bunker. So you'll have a five-minute pause, and go into the bunker Nikolai Petrovich (*General Kamanin, NP*) and Paul R. (*astronaut Captain POPOVIC P. R.*). I'm staying here until five minutes until cooked. But they will broadcast that I'll talk to them. Understand me?

Cedar: I understand you: now go from the start of a bunker-minute break, then the transfer will be done through them.

Dawn 1 (Korolev): Well, okay: now allot a farm, everything is going according to schedule, the car is going well.

Cedar: Too all excellent.

Cedar: As according to medicine - the heart beats? - (*no reply*).

8.41 *Dawn I (Kamanin):* How do I hear?

Cedar: you can hear well. How do I?

Dawn I (Kamanin): you can hear perfectly. Pulse you have 64, respiration 24. Everything is going fine.

Cedar: Got it. Hence, the heart beats.

8.45 *Cedar:* What now ready?

Dawn I (Kamanin): 15-minute alert. Remind: wear gloves. How do you understand?

Cedar: you understood: the 15-minute readiness, dress gloves. Comply.

Cedar: Gloves dressed, everything is fine.

8.46 *Dawn I (Kamanin):* Roger.

8.48 *Cedar:* recorder for automatic and manual recording does not work: obviously, the film was over. I beg to rewind.

Dawn I (Kamanin): I understand you correctly: before the command. Is rewind the tape. Do you have a burning light bulb?

8.50 *Cedar:* I understand you: there is a rewind. Let rewind the entire film.

Dawn I (Kamanin): Got it, okay.

8.55 *Dawn I (Kamanin):* Announced a 10-minute alert. How do you germoshlem is closed? Close germoshlem, report.

Cedar: Roger: declared a 10-minute alert. Germoshlem closed. Everything is normal, feeling good, ready to start.

Dawn I (Kamanin): Roger.

8.56 *Dawn I (Kamanin):* Readiness for 5 min. Put the volume on full,

volume at full.

Cedar: Roger: declared a 5-minute willingness to put the volume at full. Loud introduced.

8.58 *Dawn I (Kamanin):* Everything is going fine. Take a starting position for the registration of physiological functions.

Cedar: Roger. All going well, take a starting position for the registration of physiological functions. The situation has taken.

Dawn I (Kamanin): Roger.

9.00 *Dawn I (Korolev):* Everything is normal. Prior to the beginning of our operations - to minutes of readiness - a couple of minutes. How do you read me?

Cedar: I hear you well. You understand: before the operation there is still a couple of minutes. She feels good, cheerful mood, ready to start, everything is fine.

Dawn I (Korolev): I understand you have understood well.

9.2 *Dawn I (Korolev):* The minute availability. How did you hear?

Cedar: you understood: the minute availability. Held the starting position, finished, so a few lingered to answer.

Dawn 1 (Korolev): Got you.

9.3 *Dawn 1 (Korolev):* During the launch I can not answer. Respond as you will have the opportunity, because I will broadcast the details.

Cedar: Roger.

Dawn 1 (Korolev): The key is to start! We give a blow.

Cedar: Got you.

4.9 *Dawn 1 (Korolev):* Key put on drainage.

Cedar: Got you.

9.5 *Dawn 1 (Korolev):* Everything is fine: drain valve is closed.

Cedar: Got you. Buoyant mood, feeling good, ready to start.

Dawn 1 (Korolev): Excellent.

9.6 *Dawn 1 (Korolev):* Go aspirated, moved cable-mast, everything is fine.

Cedar: I understand you felt. I hear the work of the valves.

Dawn 1 (Korolev): Got you. Well.

7.9 *Dawn 1 (Korolev):* We give the ignition ...

Cedar: Got it: given the ignition.

Dawn 1 (Korolev): Pre-stage ...

Intermediate ...

Home ...

Alarm!

Cedar: Let's go! ..

Noise in the cabin slightly audible. All goes well, feeling good, cheerful mood, everything is fine.

Dawn 1 (Korolev): We all wish you good flight, everything is fine.

Cedar: Goodbye, see you soon, dear friends!

Dawn 1 (Korolev): Good-bye, see you soon!

Cedar: The vibration becomes more frequent, the noise increases more ...

8.9 *Dawn 1 (Korolev):* Time 70. (70 seconds into the start).

Cedar: I understand you 70. She feels great, keep on flying, growing congestion, all is well.

9.9 *Dawn 1 (Korolev):* One hundred. How do you feel? " (One Hundred - 100 seconds into the start).

Cedar: feels good. How are you? ..

Dawn 1 (Korolev): The speed and time everything is fine. How to feel?

Cedar: I feel good ...

Dawn 1 (Korolev): All right, the car goes well.

Cedar: ... (not legible).

9.10 *Dawn 1 (Korolev):* reset the cone, everything is fine. How are you feeling?

Cedar: ... Clear fairing ... I see Earth ... Several growing congestion, feeling great, the mood is buoyant.

9.11 *Dawn 1 (Korolev):* Well done, excellent! All is well.

Cedar: watch the clouds ... Landing site ... Beautiful, beautiful it is! How do you read?

Dawn 1 (Korolev): We hear you fine, keep flying.

*Cedar: The flight goes on well, growing congestion, slow rotation, all is well tolerated, over a small, well-being is excellent. In porthole "sight" * watching the Earth: more rose clouds.*

* "Gaze" - an optical device for orienting the spacecraft in space. Ed.

Dawn 1 (Korolev): Everything is going fine. You understand, hear perfectly.

12.09 *Cedar: There has been off the second stage.*

Dawn 1 (Korolev): Works that need. Last stage. Everything is fine.

Cedar: I understand you: hear inclusion. She feels great. Watching the Earth: the visibility is good ... the mood buoyant, growing congestion, I feel fine.

Dawn 1 (Korolev): Got you.

9.13 *Dawn 1 (Kamanin):* All is well. How do you read? How are you feeling?

Cedar: I hear you fine. She feels great, the flight goes on well. Observe the Earth, visibility is good, the differences can be seen all, some space is covered with cumulus clouds, the flight goes on, everything is fine.

Dawn 1 (Kamanin): Roger, well done! Communication excellent hold, keep up the good work.

9.14 *Cedar: Everything works fine, go ahead.*

9.15 *Dawn 1 (Kamanin):* How are you feeling?

Cedar: I hear you very little, the mood is cheerful, feel good, continue the flight, everything goes well, the machine is working properly.

9.16 *Dawn 2 (Seleznev):* I understand, I'm 22 th (22 th - the index representative on VHF radios in Kolpashevo). **9.17** *Dawn 2 (Seleznev):* How are you feeling?

Cedar: you can hear well, feel great, the machine is working properly. In the bull's-eye "eye" watching the Earth. Everything is fine. Hello. How to understand me?

Dawn 2 (Seleznev): You have understood.

Cedar: Got it. Know with whom I have the link. Hello.

9.21 *Dawn 2 (Titarev):* What is your feeling? I'm 22 th.

Cedar: feels great, keep on flying. The machine works perfectly. In the windows watching the earth, sky, horizon. The flight is normal. How to understand me?

Dawn 2 (Seleznev): Got you.

Cedar: There was ...

9.25 *Cedar:* "Dawn-3" on the link. How do I hear?

Cedar: "Dawn-3", as I hear, as I hear? "Spring" can not hear can not hear the "Spring" ...

Dawn 3 (Karpenko): Roger, I hear a satisfactory manner.

Cedar: The flight is good, everything is going well. What can you tell me?

9.26 *Cedar:* The flight is successful. Feeling of weightlessness is normal. Feeling good. All instruments, the whole system works well. What can you tell me?

Dawn 3 (Karpenko): I hear you well, devices are functioning properly, being normal.

Cedar: you can hear perfectly. What can you tell about the flight? What can I tell?

Dawn 3 (Karpenko): Directions from the 20 th (*The Queen*) is not received, the flight goes well.

9.27 *Cedar:* I understand you, dated 20 th indications are not forthcoming. Tell your data on the flight! Hi Blonde! (*blond named astronaut article. liters-nt Leonov, who was on the VHF radio "Zarya-3" in Yelizovo*).

Dawn 3 (Karpenko): How do you read me?

Cedar: you can hear well. How do I?

9.29 *Dawn 3 (Karpenko):* What is your feeling?

Cedar: My health is excellent, excellent, excellent, excellent. Tell me the results of the flight!

Dawn 3 (Karpenko): Repeat, hard of hearing.

Cedar: I feel very good, very good, good.

9.30 *Cedar:* Tell me your data about the flight!

Dawn 3 (Karpenko): How do I hear?

Communications on VHF channel stopped.

II. WORK FOR HF CHANNELS

1. Novosibirsk

The station operates on the transfer from 9.22 to 9.39. Transferred aboard pop music and background music telegraph call sign "WPC" in 30 seconds. Message from the board was not accepted.

2. Alma-Ata

The station operates from 9.52 to 2.10 for the transfer. Transfer songs Baglanova and against the background of songs telegraph call sign "WPC" in 30 seconds. On board the signals are not accepted.

3. Khabarovsk

The station operates from 9.42 to 9.52 for the transfer of the program. Passed on "Amur Waves" and on the background song telegraph call sign "WPC" in 30 seconds. Signals from the board, taken from 9.21 until 10.11 with breaks. Two-way communication was established between 9.53 to 10.57.

9.21 Cedar: ... lights PKRS (*PKRS - device control mode of descent*), burning, feeling good, the mood buoyant. Parameters of the cabin: a pressure, humidity, 65 temperature of 20, the pressure in the compartment 1, the first automatic 155, second automatic 155, the cylinder pressure TDU (*TDU - retropropulsion*) 320 atmospheres ...

Spring (Kadushkin): (no reply, he worked on the program).

9.43 Cedar: ... as news? Admission ...

Spring (Kadushkin): (no reply, he worked on the program).

9.46 *Spring (Kadushkin):* At the command Kamanina aboard transmitted by telegraph signal "CC" - which means "let the control commands.

Cedar: (no reply).

9.47 Cedar: How do you read? I send another message reporting back: 9 hours, 48 minutes, the flight is successful. "Descent-1" works fine. Movable index PKRS (*PKRS - device control mode of descent*) is moving. Pressure in the cabin unit, humidity of 65, temperature 20 °, the pressure in the compartment of 1,2 ... Manual 150, the first automatic 155, second automatic 155 cylinders TDU (*TDU - retropropulsion*) 320 atmospheres. Feeling good, the mood buoyant.

9.49 Cedar: Earth can not hear. I am in the shade.

9.50 Spring (Kadushkin): Roger.

9.51 Cedar: including solar orientation.

Spring (Kadushkin): Roger.

9.53 Spring (Kadushkin): At the command Kamanina (33rd) were included transmitters and passed on board: the flight goes well, the calculated orbit.

9.54 Spring (Kadushkin): The flight is normal, the calculated orbit.

9.55 Cedar: Roger: the flight goes well.

9.57 Cedar: a cheerful mood, I continue to fly, I am over America.

Spring (Kadushkin): Roger.

10.11 Cedar: Sent a telegraph signal "ON" - which means "the equipment is working properly".

More of the signal station Khabarovsk not taken.

4. Moscow

The station operates on the transfer of 10.03 to 10.37. Transfer songs about Moscow and against the background of the call sign "WPC" in 30 seconds. Connection with "Cedar" was established in short-term 10.13.

10.13 *Spring (Khoroshilov):* How do you read?

Cedar: you can hear well. The flight takes place ... flax ...

10.16 *Spring (Khoroshilov):* The flight is going well.

- *(no reply)*.

10.18 *Spring (Khoroshilov):* Major Gagarin, your flight is proceeding normally.

- *(no reply)*.

*

Recorded on the basis of films, plays and personal reports of the representatives who were at the point of flight control.

Moscow time.

**RECORDING PRODUCED COSMONAUTS
ON-BOARD RECORDER 3B-24 □ 008 IN FLIGHT
"Vostok" April 12, 1961**

Recorded from the start. All conversations are not bound by time, since most of them written on terrestrial radio with the time and described above.

- Let's go!

- Dawn-1 "I" Cedar ". All goes well.

- Noise in the cockpit is weak. Feeling good. Feel overloaded, some vibration. Everything is fine.

- Thank you. Goodbye. See you soon, dear friends!

- Bye, see you soon.

- Vibration released. Noise increases somewhat. Feeling good. Overloading increases further.

- I understand you, seventy. She feels great. Continue their flight. Growing congestion. All is well.

- Dawn-1 "I" Cedar ". I feel good. Vibration, overload the normal. Continue their flight. Everything is fine. Reception.

- Dawn-1 "I" Cedar ". Finished work of the first stage. Slept overload, vibration. The flight continued normally. Reception.

- I hear you well. Separation felt. Operates the second stage. Everything is fine. Reception.

- Dawn-1 "I" Cedar ". Occurred, there was a reset of fairing. In the "look" I see Earth. Well discernible Earth.

- I understand you. I see the river, the terrain is well legible. Visibility is good. Excellent all in the "eye" can be seen. Reception.

- I understand you. I report. I see Earth. Visibility is excellent. Good visibility. Reception.

- "Dawn", I "Cedar". She feels great. Continue their flight. Several growing congestion, vibration. All stand normally. She feels great, the mood is buoyant. In the window of "eyes" watching the Earth. Distinguish the terrain, snow, forest. She feels great. How are you doing? Reception.

- "Dawn", I "Cedar". Watch the clouds above the Earth, small cumulus clouds, and shadows of them. Beautiful, beautiful! How do you read? Reception.

- The flight goes well. Overload grow slowly, slightly. All is well tolerated. Vibrations are small, well-being is excellent. In the window of "eyes" watching the Earth, more and more rose clouds. Reception.

- "Dawn", I "Cedar". Occurred off the second stage. Reception.

- You understand. I hear inclusion, I feel the work. She feels great. Observe the Earth. Visibility is good. Reception.

- The flight goes well. Powered third stage. Running lights of television. She feels great, the mood is buoyant. All was going well. I see Earth. I see the horizon in the "gaze." The horizon is slightly to the legs.

- "Dawn", I "Cedar". I hear you fine. She feels great. The flight goes on well. In the "eyes" watching the Earth. Visibility is good. To distinguish, you can see everything. Some space is covered with cumulus clouds. The flight lasted. Everything is fine. Reception.

- I understand you. Everything works fine. Everything works fine. Go ahead.

- Right now the Earth is covered by more and more clouds. Cumulus clouds covered nimbostratus clouds. Such a film over the Earth. Already the earth's surface is almost not visible. Interesting. Yes, that's now opened the folds of mountains, forests.

- Dawn-1 ", " Zarya-1. You hear very little. Feeling good. Cheerful mood. Continue their flight. All is well. The machine works fine. Reception.

That is already here, "Dawn, I heard a bad thing. (*Further account on-board tape recorder partially erased an astronaut after rewinding and re-entry.*)

... bottled TDU (*TDU - retropropulsion*) 320 atmospheres. Feeling good. Cheerful mood. Continue their flight. I feel I do not feel - watching a rotation around the axes of the ship. Now Earth is gone from the window of "eyes". She feels great. A sense of weightlessness, a beneficial effect. No such events are not causes. How to understand me? Reception.

- Right now through the window "look" goes the sun, a little bluff his light. Here's the Sun goes from the mirrors. Sky, black, black sky, but stars in the sky is not visible. May interfere with lighting. Turn on the lights working. Interferes with the light of television. Through it is not seen nothing.

- "Dawn", I "Cedar". "Dawn", I "Cedar". "Spring", I "Cedar". "Spring", I "Cedar". For communication. How do you read? Reception. There was a division with support at 9 am. 18 min. 07 sec. according to the assignment. Feeling good. Include a 'Descent-1. Movable index PKRS (*PKRS - device control mode of descent*) moved to the second position. All windows PKRS burn. Feeling good. Cheerful mood. Parameters of the cabin: a unit of pressure, humidity 65. Temperature of 20 °. The pressure in the compartment of the unit. In a manual system 155. In the first automatic 155. The second Automatic 157. The container TDU 320 atmospheres. Feeling of weightlessness is well tolerated, it is nice. Continue their flight to orbit. How do you understand? Reception.

- Here the object is spinning. The rotation of the object can be determined by the earth's surface. Earth's surface all the leaves left. Some object rotates to the right. Well. Beauty! Feeling good. Continue their flight. All goes well. Everything runs fine. Something for "Dawn" there is no connection, the "Spring", the "Spring". With the "spring" there is no connection.

- "Spring", I "Cedar". How do you read me? Reception. "Spring", I "Cedar". Can not hear you. How do I hear? Reception. Feeling of weightlessness is interesting. All the floats. Floats all. Beauty! Interesting.

- Dawn-3 ", " Dawn-3. For communication. How do I hear? Reception.

- Dawn-3 "I" Cedar ". How do I hear? Reception. "Spring" can not hear can not hear the "Spring". Feeling good, the mood buoyant. Everything is fine. The flight lasted. Weightlessness is going well. In general, the whole flight is going well. What can you tell me? Reception.

- Dawn-3 "I" Cedar ". The flight is wonderful. Feeling of weightlessness is normal. Feeling good. All instruments, all systems are working well. What can you tell me? Hear everything perfectly. Reception.

- What can you tell me on a flight? What can I tell? Reception.

- I understand you. From the twentieth guidance is received. Tell your data on the flight. Hi Blond (*blond named astronaut Lt. Leonov, who was on the VHF radio in Yelizovo*).

- Opened porthole "gaze." I see the horizon of the earth. Surfacing. But the stars in the sky is not visible. Visible to the earth's surface. Earth's surface is visible through the porthole. The sky is black. And on the edge of the Earth, on the edge of the horizon of this beautiful blue halo, which darkens on the distance from Earth.

- Dawn-3 "I" Cedar ". You can hear well. How do I? Reception.

- The object is rotated.

(Tape reached the limit switch. Further recording was made after a manual rewind astronaut Sound.)

- Attention. I am in the shadow of the Earth.

- "Spring", I "Cedar". 10:00. 04 min. I send another message reporting back. I was in apogee. Works "Descent-one. Powered solar orientation. Pressure in the cabin unit. Humidity of 65%. Temperature of 20 °. The pressure in the compartment 1,2. In the manual orientation 155. First automatic 150. The second

Automatic 155. The container TDU 320 atmospheres. Feeling good, the mood buoyant. The flight is successful. How to understand me? Reception.

- Attention. I see the horizon of the earth. Really such a beautiful aura. First, a rainbow from the surface of the Earth and down. Such a rainbow goes. Very nice! Everything went right through the porthole. See the stars through the "eyes", as are the stars. A very pretty sight. Continued flight into Earth's shadow. In the right window of now, watching the stars. It so goes from left to right porthole. Gone star. Going, going.

- Attention, attention. 10:00. 09 min. 15 sec. Emerged from the shadow of the Earth. Through the right window of "eye" is seen as the sun appeared, the object rotates. Obviously, running the solar system orientation.

Right now in the "eye" watching the Earth. Observe the Earth. Flying over the sea. The direction of motion of the sea is quite possible to determine. Now I am about moving in the right side. Some clouds closed. The direction of the sea can be defined. Orient the object is quite possible.

- "Spring", I "Cedar". "Spring", I "Cedar". 10:00. 18 min. Went 2-I team. The pressure in the orientation system - 120 atmospheres. Cylinder pressure TDU (*TDU - retropropulsion*) 320 atmospheres. Feeling good, the flight is successful. How do you understand? Reception. All systems are working well.

- "Spring", I "Cedar". The flight is successful. She feels great. All systems are working well. At 10 hr. 23 min. pressure in the vehicle unit. Humidity 65. Temperature of 20 °. The pressure in the compartment 1,2. In a manual system 150. In the first automatic 110. In the second automatic 115. The container TDU (*TDU - retropropulsion*) 320 atmospheres. Feeling good. Continue their flight. How do you understand? Reception.

Report

Comrade. A. Gagarin on April 13, 1961 at a meeting State Commission after space flight *

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* Title of the document. Original text of the report of Yuri Gagarin on the sitting of the Commission and answered questions from members of the committee were presented to the Central Committee April 19, 1961 KA Vershinin with a brief covering note. On paper there is litter: "Comrade. Khrushchev reported. 21.IV.-61. Shumsky. State Commission meeting took place in Kuibyshev (now - Samara). Ed.

Last prelaunch performed in the morning. It started with checking the state of my health and determine the reliability of sensors to record the physiological functions that were stuck overnight. Then we recorded physiological functions in the medical equipment and medical examination. All this went well. According to doctors who examined and recorded the details of the body - my condition was good. I myself feel good, because before that a well-rested and slept.

After that, regular team fighting crew was made suit dressing. The suit was dressed properly massaged, pressure-tested. Then put me in technological chair, tried, as the suit is hanging system, ventilation, space suit, check communications. Everything worked well.

This was followed by departure to the start position in the bus. We, along with my fellow astronauts (my assistant was a German Stepanovich Titov) and the Chief went to the launch pad. At the start I was on the elevator rose to the cabin of the ship. Landing in a chair carried a staff calculation, which was led by Oleg Genrikhovich Ped. All connections and connections have been made good. Checking equipment also went well. Communication was two-sided, stable. Good communication.

The mood at the time was good, feel good. Reported on the testing equipment on stand-by mode, about his health. All the time was a continuous connection.

It was then made closing door number 1. He heard it shut, like tapping the keys. Then begin to re-open the hatch. I saw that the hatch was removed. Realized that something is wrong. I Sergei Pavlovich * says: "You do not worry, one contact for some reason is not pressed. Everything will be fine. " Calculations were soon swapped charges on which the established limit switches. All tweaked and closed the hatch. Everything was normal.

SP Korolev. Ed.

Declared willingness hour, a half-hour, recorded physiological functions. In general, everything was fine. State of health was good. The mood is also good.

Then he announced 15 minutes. readiness. Nadel germoperchatki. Closed helmet. The five-minute availability. A moment of readiness and head start. Prior to that, we could hear the farm bred. Get some mild blows to the design of the rocket. Rocket like a little wiggle.

Then came the blow. Hear how to work the valve. Next up was launched. The engines came to a preliminary stage. Came a slight noise. Then at the intermediate stage the noise increased. When the engines went home, the main stage, the noise grew louder, but not too sharp, which drowned or hurt to work. Noise is approximately the same as in an airplane. I was ready to much more noise. Then the rocket smoothly, softly withdrew from his seat. I do not even notice when she walked. Then he felt the design of the rocket went to shiver. Nature of vibrations: the frequency of large amplitude is small.

I was prepared for the bailout. I sit, watching the process of recovery. Hear reports Sergei Pavlovich that is 70 seconds. In the region of 70 seconds. gradually changing the nature of vibration. The frequency of vibration decreases and the amplitude increases. Appears as if shaking. Then gradually this shaking subsides, and by the end of the first stage of vibration is the same as at the beginning of its work. Overloading increases smoothly, but it is completely portable, as on conventional aircraft. Approximately 5g. With this overload, I drove all the time reporting and communication with the start. It was somewhat difficult to talk as contracts all the facial muscles. Several prestressed. Further overload began to grow, reached its peak and began smoothly decreasing. Then felt a sharp decrease congestion. The sensation was such as if something just breaks away from the rocket. Felt something like cotton. In this case fell sharply noise. If there was a state of weightlessness, although at this time overload is approximately equal to 1. Then again appears and begins to increase congestion. Begins to push the chair, the noise level is much less. For 150 seconds. separated payload fairing. The process is very bright. The result was a push cotton. One half of the fairing just was opposed to "eye". I have a filter "eye" was closed and the shutter is open. Fairing walked slowly down from the "eye" for the missile.

At this time in the "gaze" has been very good visible to Earth. Just was not cloudy. Seen the terrain, slightly hilly area. It was clear the forest, rivers and ravines. I could not tie what he saw, as in the "gaze" has been very little territory. In my opinion there has been or Ob Irtysh, but it was evident that this is a big river and its islands. You can see everything. I kept reporting it.

When there is a missile, then the "gaze" can be seen that it varies slightly around the longitudinal axis of the roll, but minor variations. The missile might be living.

By the end of the first stage, when the head flew off the fairing, in the "gaze" horizon slightly to the upper edge does not reach. Rocket was pitching with a certain angle *. Then at the end of the second stage she lay on the horizon, and even somewhat lower horizon. There was a small gap on the "gaze."

* Pitch - the angular motion of the aircraft relative to the transverse axis. Pitch - the angle between the longitudinal axis of the aircraft and the horizontal plane. Ed.

211 sec. again gradually began to grow overload. The second stage shuts down about the same as the first. This is accompanied by a sharp drop in congestion and decrease the noise, the same feeling of weightlessness.

Weightlessness was about 10-15 seconds before turning on the third level.

Then heard a muffled clap and the inclusion of the third stage. She has worked very smoothly. Missile as it approached and nezhenko all took away from zero.

Very slowly began to appear overloaded. Then on the "gaze" horizon took his ring. Began to increase the pitch angle, and by the end of the third stage of approximately only half of the outer ring "sight" was busy skyline. Then I watched the transfer, led the report, saw the clouds, shadows of clouds on Earth. Land in the "eye" can see very well. Objects on the Earth are well distinguishable. Turning off the third stage was dramatic. Overloading a little increased, he felt a sharp clap. Approximately 10 seconds there was a division. At the same time felt the push. The ship began to slowly rotate.

The earth began to leave the left, up, then right, down. Rotation was clearly visible in the "countenance". I saw the horizon, the stars, the sky. The sky is completely black, black. The magnitude of stars and their brightness is a little clearer on this black background, the speed of their movement in the "gaze" and in the right porthole big. Shown is a beautiful skyline, visible to the circumference of the Earth. Horizon has a beautiful blue color. At the very surface of the Earth's delicate blue color gradually darkens and turns into purple, which gradually becomes black.

At this time, led a stable good rapport with Kolpashevo - "Dawn 2.

When flying Yelizovo relationship was normal. I have several times repeated his papers and reports. Once there was a division, immediately joined the cycle number 1, went PKRS, mobile code, go watch. The whole system of descent earned. Produced the report. Communication with Yelizovo stopped approximately when it was on the globe 30 ° northeast. latitude. Immediately after the report by VHF, produced a report on HF. But no KB confirmation reports and teams at this time no one is getting. Was no connection / Around about 30 degrees northeast. Latitude heard "Amur wave", which aired Khabarovsk. Against this background, he heard the telegraph call sign "WPC" - "Spring". At this time I began again relationship with "spring", but no one answered. Produced records of observations in bortzhurnal.