SKYLAB NEWS CENTER
Houston, Texas

Apollo-Soyuz Test Project (ASTP)
Technical Directors' and Prime Crew Press Conference
Johnson Space Center
July 20, 1973
10:00 a.m. CDT

Participants:

Glynn Lunney, ASTP Technical Director for the US
Prof. Konstantin Bushuyev, ASTP Technical Director for the USSR
Brig. Gen. Thomas P. Stafford, US Crew Commander
Donald K. "Deke" Slayton
Cosmonaut Aleksey Leonov, USSR Crew Commander
Cosmonaut Valeriy Kubasov
Cosmonaut Vladimir Shatalov
Cosmonaut Aleksey Yeliseyev
Alex Tatistcheff, Interpreter
Jack Riley, PAO

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PAO Good morning and (garble). Having exhausted my knowledge of Russian, we'll move on in English. We've been pleased to have here at the Johnson Space Center, for the past two weeks, a delegation from the Soviet Union involved in discussions on the Apollo-Soyuz Test Project. This has involved the flight crew from the Soviet Union. These gentlemen are here to report to you today on the results of the meetings.

Tatistcheff (Russian translation)

PAO We'll start the introductions from your right.

TATISTCHEFF (Russian translation)

PAO Doctor Glynn Lunney, the Technical Director for the project for the United States.

TATISTCHEFF (Russian translation)

PAO Professor Konstantin Busuyev, the Technical Director for the Soviet Union.

TATISTCHEFF (Russian translation)

PAO Brigadier General Tom Stafford, the Commander of the United States prime crew for this mission.

TATISTCHEFF (Russian translation)

PAO Mr. Donald K. Slayton, the member of the Prime Crew.

TATISTCHEFF (Russian translation)

PAO Might mention at this point that the third member of the U.S. prime crew, Vance Brand is also the backup commander for the Skylab Mission, and it's very obvious why he is not here today. He's tied up with that.

TATISTCHEFF (Russian translation)

PAO Next, we have Major General Vladimir Shatalov, veteran Soviet cosmonaut.

TATISTCHEFF (Russian translation)

PAO Next to General Shatalov is Colonel Alexei Leonov of the Soviet prime crew.

TATISTCHEFF (Russian translation)

PAO Valery Kubasov, the second member of the Soviet prime crew.

TATISTCHEFF (Russian translation)

PAO Doctor Alexei Yeliseyov, a Soviet cosmonaut. He and General Shatalov were here at the meeting in March. Some of you may remember.

TATISTCHEFF (Russian translation)

PAO And our interpreter is Mr. Alex Tatistcheff.

TATISTCHEFF (Russian translation)

PAO We'll start with remarks from Doctor Lunney.

TATISTCHEFF (Russian translation)

LUNNEY Good morning, ladies and gentlemen.

TATISTCHEFF (Russian translation)

LUNNEY We are in the final stages of concluding another in a series of many meetings, that we have had on

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the Apollo-Soyuz Test Project.

TATISTCHEFF (Russian translation)

LUNNEY It has been both a professional and a personal pleasure to have our guests with us here at the Johnson Space Center.

TATISTCHEFF (Russian translation)

LUNNEY And this morning we would like to report to you as best we can on our results today and to have you meet our guests.

TATISTCHEFF (Russian translation)

LUNNEY For the last two weeks, we have had meetings involving three different groups.

TATISTCHEFF (Russian translation)

LUNNEY Professor Shatalov and I have met as Project Directors with our staffs to review the status of the program and to discuss specific questions.

TATISTCHEFF (Russian translation)

LUNNEY We have had a large scale meeting of working group number 1 under the direction of Dr. Yeliseyev on the Soviet side and Doctor Pete Frank from our Flight Ddirector's Office on the U.S. side.

TATISTCHEFF (Russian translation) - -

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LUNNEY -under the direction of Dr. Busuyev on the Soviet side and Dr. Pete Frank from our Flight Director's Office on the U.S. side.

TATISTCHEFF (Russian translation)

LUNNEY They have taken another step in the documentation of both the trajectory flight plan and operational documents that will describe our flight.

TATISTCHEFF (Russian translation)

LUNNEY We have also had a unique opportunity on this visit in that our control center has been active with the Skylab mission and we were able to introduce and show our guests what the operation looks like.

TATISTCHEFF (Russian Translation)

LUNNEY A personal observation of mine on the work in working group number 1. I find that although there is much left to do, the documents describing the crew's activities, or what we would call the flight plan, are very, very advanced.

TATISTCHEFF (Russian Translation)

LUNNEY Both Professor Busuyev and I are very pleased with that work.

TATISTCHEFF (Russian Translation)

LUNNEY We have had another activity with the cosmonaut themselves.

TATISTCHEFF (Russian Translation)

LUNNEY As you know, on this first visit of the cosmonauts, we had planned a familiarization kind of process relative to the spacecraft that the U.S. would fly this mission.

TATISTCHEFF (Russian Translation)

LUNNEY In the course of these familiarization lectures, we provided information on the operation of the Apollo Spacecraft and the docking module systems.

TATISTCHEFF (Russian Translation)

LUNNEY In addition to that, as a result of our experience with this first set of familiarization exercises, we were better able to lay our plans for the future.

TATISTCHEFF (Russian Translation)

LUNNEY Our astronauts will go to the Soviet Union for an equivalent kind of familiarization in the fall, probably in November after the last Skylab mission is launched.

TATISTCHEFF (Russian Translation)

LUNNEY We have tentatively planned for four other training periods in the intervening year and a half.

TATISTCHEFF (Russian translation)

LUNNEY By that I mean two more trips after the November meeting of American Astronauts to the Soviet Union and likewise two more trips of the Cosmonauts here to Houston.

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TATISTCHEFF (Russian Translation)
LUNNEY These were some of the subjects that we addressed in our meetings.
TATISTCHEFF (Russian Translation)
LUNNEY I would like to ask Professor Busuyev to touch upon some of the other subjects for your information.
TATISTCHEFF (Russian Translation)
LUNNEY When he came here, he was fresh from reviewing the work that was conducted in Moscow were we had two working groups last month and one this month.
TATISCHEFF (Russian Translation)

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TATISTCHEFF (Russian Translation)
BUSHUYEV (Russian)
TATISTCHEFF I have very little to add to the results of our meeting, after what Dr. Lunney has just told you.
BUSHUYEV (Russian)
TATISTCHEFF Aa Dr. Lunney mentioned, this meeting, here, is taking place immediately after the conclusion of the meeting of three working groups in Moscow.
BUSHUYEV (Russian)
TATISTCHEFF These three groups, during June and July, did a great deal of work to resolve many complex technical problems.
BUSHUYEV (Russian)
TATISTCHEFF And I follow the work of these groups during their entire presence in Moscow, except for the last few days, when I happened to be here.
BUSHUYEV (Russian)
TATISTCHEFF On the American side,those meetings took place under the direction of Dr. David Scott.
BUSHUYEV (Russian)
TATISTCHEFF And I believe the work - in my opinion the work was very successfully conducted.
BUSHUYEV (Russian)
TATISTCHEFF And all of the decisions taken during those meetings was such that they permit the continuation into the future of what we hope will be very sucessful negotiations.
BUSHUYEV (Russian)
TATISTCHEFF As far as our meeting in Houston is concerned- -
BUSHUYEV (Russian)
TATISTCHEFF - -which was, - which took place in accordance with previously planned arrangements.
BUSHUYEV (Russian)
TATISTCHEFF I can add the following to what Dr. Lunney said.
BUSUYEV (Russian)
TATISTCHEFF And first of all, I would like to say that we - Icould note that we are completing our work, and proceeding along our plan of work exactly in accordance with the previous laid out schedule.
BUSHUYEV (Russian)
TATISTCHEFF And the status of our work on ASTP at the present moment permits us to be very optimistic about the future trend of this work.
BUSHUYEV (Russian)
TATISTCHEFF Of course, we will still meet up with very complicated and difficult problems on our way to the flight itself.

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BUSHUYEV (Russian)
TATISTCHEFF But every meeting gives us more experience in a joint solution of these problems.
BUSHUYEV (Russian)
TATISTCHEFF In addition to what Dr. Lunney just said for this meeting, I would like to say a few words about the preliminary discussions of the contact of scientific experiments.
BUSHUYEV (Russian)
TATISTCHEFF Both Soviet scientists and American Scientists, take an active part in these discussions.
BUSHUYEV (Russian)
TATISTCHEFF We- this is the third time that we are discussing them.
BUSHUYEV (Russian)
TATISTCHEFF - - and we have now established a basis for such a scientific program.
BUSHUYEV (Russian)
TATISTCHEFF At the next meeting that will take place in Moscow, in October, we will make a final determination and come to a final agreement with respect to this program of scientific experiments.
BUSHUYEV (Russian)
TATISTCHEFF We have a very interesting exchange of premiums and discussions on the question of life support systems for the joint flight.
BUSHUYEV (Russian)

END OF TAPE

this is for the joint flight.

SPEAKER (Russian)

TATISTCHEFF We came to an agreement about the need to exchange additional information in this area.

SPEAKER (Russian)

TATISTCHEFF To make certain that both sides have a full understanding of the manner in which both ships of the Soviet and the American ship have the capability to deal with emergency situations.

SPAEKER (Russian)

TATISTCHEFF And especially make certain that such emergency situations will not arrive.

SPEAKER (Russian)

TATISTCHEFF During this meeting the Soviet delegation stated that a choice has been made in the Soviet Union of a flight control center for ASTP.

SPEAKER (Russian)

TATISTCHEFF We have made a final decision and chosen the flight control center which is near Moscow.

SPEAKER (Russian)

TATISTCHEFF The Flight Director on the Soviet side has also been chosen who will be Cosmonaut Yeliseyev.

SPEAKER (Russian)

TATISTCHEFF As Dr. Lunney mentioned, there will be continued meetings, joint meetings between American and Soviet specialists to iron out all other problems that are still to be discussed.

SPEAKER (Russian)

TATISTCHEFF Our next regular meeting will take place in October in Moscow.

SPEAKER (Russian)

TITISTCHEFF We will be happy to greet our American friends in Moscow and are certain that we will be able to continue successfully this joint work.

SPEAKER (Russian)

TATISTCHEFF In closing I will like to thank our American host for the wonderful welcome and hospitality that they have extended to us here in Houston.

SPEAKER (Russian)

TATISTCHEFF As usual, conditions were - the best conditions in the world were created favorable to a good conduct of our work.

SPEAKER (Russian)

TATISTCHEFF And very interesting and a pleasure to recreat, recreation activities for the short period of recreation that we had in this very busy meeting.

SPEAKER (Russian)

TATISTCHEFF I want to especially thank them for giving us the opportunity of visiting the

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Downey, California, plant of Rockwell International.

SPEAKER (Russian)

TATISTCHEFF Where we spent some time in the assembly and test procedures.

SPEAKER (Russian)

TATSITCHEFF Where the ASTP Program is being worked on.

SPEAKER (Russian)

TATISTCHEFF We saw a great deal that was of great interest and very useful to us.

SPEAKER (Russian)

TATISTCHEFF Thank you for your attention.

SPEAKER General Stafford.

STAFFORD Thank you. The first familiarization period between the cosmonauts and astronauts has been most interesting.

TATISTCHEFF (Russian Translation)

STAFFORD The two week familiarization period was broken down to a general description of the Apollo Spacecraft and its mode of operation for the first week.

TATISTCHEFF (Russian Translation)

STAFFORD In the second week we dwelt more on specific details of the mission .

TATISTCHEFF (Russian Translation)

STAFFORD In that period we reviewed the flight plan, the transfer procedures, and basic terminology.

TATISTCHEFF (Russian Translation)

STAFFORD And I think we are very much advanced for this period of time, being two years before the launch.

TATISTCHEFF (Russian Translation)

STAFFORD We are certainly looking forward to visiting the Soviet Union this fall for the - our familiarization period there.

TATISTCHEFF (Russian Translation)

SPEAKER (Russian)

TATISTCHEFF I can say that we are extremely satisfied and happy with the tremendous work that the American delgation has done in order to accommodate us here during this first period of our preparation.

SPEAKER (Russian)

TATISTCHEFF During these two weeks we were able to see in great detail the documentation information that has to do with the problem of docking in space.

SPEAKER (Russian)

TATISTCHEFF We also found a common language for these dockings.

SPEAKER (Russian)

TATISTCHEFF The American side prepared a whole series of motion picture films in connection with the ASTP flight, which we looked at with great interest.

SPEAKER (Russian)

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TATISTCHEFF We also listen to a recording of the discussions between American astronauts that took place during the Moon landinga.

SPEAKER (Russian)

TATISTCHEFF We thereby were enabled to obtain a very clear picture of such conversation between the ship and the ground stations.

SPEAKER (Russian)

TATISTCHEFF We were able also to see the simlators here at the test installations in Houston.

SPEAKER (Russian)

TATISTCHEFF We saw the Apollo ship

SPEAKER (Russian)

TATISTCHEFF We saw the model of Skylab.

SPEAKER (Russian)

TATISTCHEFF And a series of other test facilities and stands.

SPEAKER (Russian)

TATISTCHEFF The American side very kindly gave us- furnished us an opportunity to visit the Rockwell International factory in California.

SPEAKER (Russian)

TATISTCHEFF Where we had an opportunity to see the actual flight - Apollo flight vehicle on its test stand.

SPEAKER (Russian)

TATISTCHEFF In addition to that, of course, we had recreation facilities were furnished to us.

SPEAKER (Russian)

TATISTCHEFF Having enjoyed this very wide variety of activities, I take this occasion to thank our American friends for having given us an opportunity to enjoy all of this.

SPEAKER (Russian)

TATISTCHEFF Everything that we have seen here permits us to conclude that the flight of Apollo-Soyuz, which has been planned for July, 1975, will be a successful flight.

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TATISTCHEFF - - flight for July, 1975, will be a successful flight. - -
BUSUYEV (Russian)
TATISTCHEFF - - Thank you for your attention.
PAO The other visiting Cosmonauts are in the auditorium and we'd like to ask General Shatalov, who is in charge of Cosmonaut training, to introduce them briefly.
TATISTCHEFF (Russian)
SHATALOV (Russian)
TATISTCHEFF Ladies and gentlemen.
SHATALOV (Russian)
TATISTCHEFF In accordance with the agreements that were made between our two delegations at the beginning of these discussions, the crews of the two ships that would be flying in July, 1975, were supposed to be designated 2 years in advance.
SHATALOV (Russian)
TATISTCHEFF On Soviet side, we already have four crews who have been designated-who are now participating in a preparation of training for the flight.
SHATALOV (Russian)
TATISTCHEFF At the beginning of this press conference, you were already introduced to the members of the - of the first flight crew. The Commander, Colonel Leonov, and his cosmonaut, Valery Kubasov.
SHATALOV (Russian)
TATISTCHEFF Now, I'd like to present to you the members of the second, third, and fourth crews on the Soviet side.
SHATALOV (Russian)
TATISTCHEFF The second crew.
SHATALOV (Russian)
TATISTCHEFF Commander Anatoliy V. Filipchenko.
SHATALOV (Russian)
TATISTCHEFF The engineer on board, Rukavishnikov
SHATALOV (Russian)
TATISTCHEFF The third - -
SHATALOV (Russian)
TATISTCHEFF - - The third group. Commander Dzhanibekov
SHATALOV (Russian)
TATISTCHEFF And the engineer on board, Andreyev.
SHATALOV (Russian)
TATISTCHEFF The fourth -
SHATALOV (Russian)
TATISTCHEFF Commander Romanenko.
SHATALOV (Russian)
TATISTCHEFF And the engineer on board, Ivanchenkov.
SHATALOV (Russian)
TATISTCHEFF Thank you for your attention.
PAO We'll go back to Doctor Lunney who has some remarks.
TATISTCHEFF (Russian)

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LUNNEY Before we go to questions and answers - In perhaps the last two press conferences that we have had, I have made the point that the momentum and the pace of our work is picking up considerably.

TATISTCHEFF (Russian)

LUNNEY This morning, I would like to again reaffirm that - that fact.

TATISTCHEFF (Russian)

LUNNEY We will be starting testing of the docking system this fall in September, here in Houston.

TATISTCHEFF (Russian)

LUNNEY And as you can see today, we are already on the way of the process of training the crews of both countries.

TATISTCHEFF (Russian)

LUNNEY We have laid out a set of mean plans that will take us through the next - oh, 6 or 8 months.

TATISTCHEFF (Russian)

LUNNEY And - And I think that it's fair to say that the pace and the schedule are all entirely in keeping with the plans that we have, and we expect to launch both on time and successfully.

TATISTCHEFF (Russian)

LUNNEY Thank you.

TATISTCHEFF (Russian)

PAO We'll start with questions in here, in Houston, and then later go to Washington where there are also some newsmen.

TATISTCHEFF (Russian)

QUERY The ASTP Space flight is the first time the Russians have ever announced a flight before a launch. They also announced the crew mission and launch date about 2 years in advance. Why didn't they do this on other flights? Do they have any idea when their next space station flight will take place?

TATISTCHEFF (Russian)

BUSHUYEV (Russian)

TATISTCHEFF I suppose that question is addressed to me, says Bushuyev.

BUSHUYEV (Russian)

TATISTCHEFF And during the previous flights, we did not announce the composition of the crews in advance - -

BUSHUYEV (Russian)

TATISTCHEFF - - because we did not see any necessity for that. It was our own internal business.

BUSHUYEV (Russian)

TATISTCHEFF Now, when in this particular ASTP program, we are jointly planning all the steps for the flight.

BUSHUYEV (Russian)

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TATISTCHEFF We agreed to announce the crews 2 years ahead of time and that is what we did.

BUSHUYEV (Russian)

TATISTCHEFF As far as future flights are concerned, I didn't quite understand what flights you had in mind.

QUERY Space station. Simular to Skylab.

TATISTCHEFF (Russian)

BUSHUYEV (Russian)

TATISTCHEFF I do not have - I - I am not involved directly in the flights - orbital stations. As far as the spacecraft Soyuz is concerned, I can say the following:

BUSHUYEV (Russian)

TATISTCHEFF Prior to the joint flight with Apollo in 1975, there will be several flights of the Soyuz spacecraft.

BUSHUYEV (Russian)

TATISTCHEFF Including flights for the orbital station, Salyut.

BUSHUYEV (Russian)

TATISTCHEFF In the course of these flights, various changes and a - that have been made in the spacecraft Soyuz in accordance with the ASTP program, will be fully - will be fully tested in flight.

PAO Let me pause just a moment in the questions to introduce a member of the United States backup crew for this mission, who is seated with the other Cosmonauts, Captain Ron Evans.

TATISTCHEFF (Russian)

PAO Jim Maloney.

MALONEY I want to get back to this business of your control center.

TATISTCHEFF (Russian)

MALONEY Would you be more specific than near Moscow? Is there a town in which it's located and - -

TATISTCHEFF (Russian)

MALONEY - - and will our officials be able to visit that control center in October?

TATISTCHEFF Who - who - who will visit?

MALONEY The American space officials that will be going to visit Moscow in October.

TATISTCHEFF (Russian)

BUSHUYEV (Russian)

TATISTCHEFF The control center of which I spoke is located near Moscow.

BUSHUYEV (Russian)

TATISTCHEFF It can be called the Moscow Flight Control Center in the same way as you call this center the Houston Center, although it is not located in Houston. It is located near Houston.

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TATISTCHEFF - Center in the same way as you call this center, the Houston Center, although it is not located in Houston, but it is located near Houston.

SPEAKER (Russian.)

TATISTCHEFF The program of familiarizing the American specialists in the work of our control center, is being discussed at the present moment - is in the process of being discussed.

SPEAKER (Russian)

TATISTCHEFF And that program presupposes, not only just their visit to the Center, but their actual work in our Control Center, prior to the ASTP mission.

PAO Arthur Hill, Arthur Hill over there.

HILL Prof. Bushuyev, are we to infer then that the Control Center is something like about 40 kilometers from the center of Moscow, and I didn't understand what direction north, east, south, or west. Aad also could you please be more specific about what changes in the Soyuz craft you intend to test - of flights before the ASTP mission.

TATISTCHEFF (Russian)

BUSUYEV (Russian)

TATISTCHEFF I don't see any necessity, at the present moment, to give you any more - in greater detail, the number of kilometers between the control center and Moscow.

BUSUYEV (Russian)

TATISTCHEFF But I can assure you, that it is not further located from Moscow than this center is from Houston.

BUSUYEV (Russian)

TATISTCHEFF As far as the changes made in the spacecraft, that would be a very lengthy discussion.

BUSUYEV (Russian)

TATISTCHEFF I had in mind, certain changes, which were inevitable, connected with the fact that we are adopting a new-type docking system.

BUSUYEV (Russian)

TATISTCHEFF And if they are establishing, in our ship, the American radio equipment for tracking and rendezvous.

BUSUYEV (Russian)

TATISICHEFF A different arrangement for the antennas - -

BUSUYEV (Russian) - -

TATISTCHEFF - - the a - -

BUSUYEV (Russian) - -

TATISTCHEFF - - the orientation lights - -

BUSUYEV - - (Russian)

TATISTCHEFF - - those are changes which are inevitable, in connection with a joint international ASTP mission.

BUSUYEV (Russian)

TATISTCHEFF They have no - they have nothing to do with the basic construction features of the spacecraft.

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QUERY Well, in that connection then, is it logical to assume that the Soyuz space station, will have to be equipped with new items in order to conduct these tests that you are talking about, or should we foresee two Soyuz craft trying out these sorts of things?

TATUSCGEFF (Russian)

BUSHUYEV (Russian)

TATISTCHEFF No, that does not follow from what I said.

BUSHUYEV (Russian)

TATISTCHEFF I did not mean to imply that the docking system will undergo tests in actual flight in space.

BUSHUYEV (Russian)

TATISTCHEFF And we will not use that type of docking system when docking with our space station.

PAO Bill Cromey.

QUERY Excuse me, a two-part question, is the control center located in or very near Zvezny Gorodok? And, in this country on the last Soyuz flight, it was reported that the space station broke into 20 some pieces in orbit. Have they determined what caused that problem with the last Soyuz spacecraft?

TATISTCHEFF (Russian)

BUSHUYEV (Russian)

TATISTCHEFF Those are two different questions, of course.

BUSHUYEV (Russian)

TATISTCHEFF On the first question, I would like to terminate with the question - with the problem of the precise location of the Soyuz Control Center - -

BUSHUYEV (Russian)

TATISTCHEFF - - your specialists will visit it, will be there, and they'll be able to tell you precisely just where it is, and what it consists of.

BUSHUYEV (Russian)

TATISTCHEFF The second question now about Salyut.

BUSHUYEV (Russian.)

TATISTCHEFF - - 've already told you, that I am not involved directly in that program. - -

BUSHUYEV - - (Russian.)

TATISTCHEFF - - But the information that is available to me, that I have, does not confirm the reports in the American press, that Space Station Salyut fell apart into several pieces.

BUSHUYEV (Russian) - -

TATISTCHEFF The Salyut flight was in accordance with the previosly established program, flight program - -

BUSHUYEV - - (Russian.)

TATISTCHEFF - - and it was conducted according to the plan.

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PAO Louie Alexander.
QUERY (Garbled)
TATISTCHEFF Louder.
LUNNEY (Garbled) ... Apollo between now and July.
TATISTCHEFF (Russian)
LUNNEY Yes, the Apollo Spacecraft is being modified for this flight, --
TATISTCHEFF (Russian) - -
LUNNEY - - the changes to the command service module itself are not very extensive, - -
TATISTCHEFF - - (Russian)- -
LUNNEY - - switches and wiring and nothing that would require an extra flight of the spacecraft.
TATISTCHEFF - - (Russian)
LUNNEY The docking module, of course, is a new element, that will be given a thorough check on the ground as we have done in previous modules, before they are flown in 75.
TATISTCHEFF (Russian.)
LUNNEY So the flight of ASTP, in 1975, willbe the first flight after the last Skylab one.
QUERY Before the problem with the Skylab Workshop, did not fly something, and found one technical omission, are you folks reconsidering, or have you considered whether or not to fly the new docking system?
PAO Would you repeat the question and direct it to an individual, please?

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SPEAKER (garble)
PAO would you complete the question and direct it to an individual, please.
QUERY For Dr. Lunney. In the light of the report on the Skylab problem where they had made some changes and a small technical change was not detected or that made a difference and was not flown, is your committee - are you folks reconsidering wether or not you should fly the docking system, which is also new?
LUNNEY No we are not. There just - -
TATISTCHEFF (Russian Translation)
LUNNEY No we are not, Louie. There is no connection between the Skylab problem and the new docking system.
TATISTCHEFF (Russian Translation)
LUNNEY And we will perform again a complete comprehensive ground - test program on the docking system before it flies.
TATISTCHEFF (Russina Translation)
LUNNEY Both internally within each of our countries and then jointly.
TATISTCHEFF (Russian Translation)
SPEAKER Bill Shelton
QUERY I have a question for Colonel Leonov. We understand, of course, that in addition to being a cosmonaut that you are a painter and on your previous flight into space you took painting material and sketching materials with you. I had the pleasure of seeing an exhibit of your paintings in Moscow and they were very good. Do you plan on this flight to take a - You had stated after your first flight that there were things visible only to the naked eye that would not show up on photographs. The question is, Alex, does he plan to take on this flight painting material or sketching material to try to render them in a form a painting.
TATISTCHEFF (Russian Translation)
LEONOV (Russian)
TATISTCHEFF If I will be given time to do that in connection to the crew activities planned, I will be most happy to do some pictures in space.
LEONOV (Russian)
TATISTCHEFF At any rate I might, I will try to make some caricatures of the crews and in space.
QUERY This question is for Deke Slayton. Deke, they are calling ASTP the first purely political mission. The Russian getting the advantage of looking at our technology, and in exchange for that, so far, this morning, they refuse to tell us where their control center is. In your view, what will the American people derive from the ASTP mission.
TATISTCHEFF (Russian Translation)
SLAYTON I don't know why you picked on me to

answer the political question, because I am probably the least political man around here.

TATISTCHEFF (Russian Translation)

SLAYTON I think I would like to defer to the politic ian on our crew, General Stafford. (Laughter)

STAFFORD I've been accused of a lot of things, but I'm not sure of the title of politician.

TATISTCHEFF (Russian Translation)

STAFFORD To start on this question. We have - both countries are exchanging data with respect to their flight operations.

TATISTCHEFF (Russian Translation)

STAFFORD Also, both countries had an equal part as far as designing the docking mechanisms.

TATISTCHEFF (Russian Translation)

STAFFORD The part of it is an initial contact ring which came from some advanced Apollo designs, while the structure latches came from the SALYUT design.

TATISTCHEFF (Russian Translation)

STAFFORD I have been in on many of the negotiations, at least in the operations group and some of the mechanical electrical groups, before.

TATISTCHEFF (Russian Translation)

STAFFORD And From my viewpoint, the exchange of information flowed both ways in an equal manner.

TATISTCHEFF (Russian Translation)

STAFFORD In respect to the final political thing. Over the period of time our countries have come to work and cooperate in a far better manner.

TATISTCHEFF (Russian Translation)

STAFFORD And I think that they're going to overcome these great technical problems of this mission by two countries working together.

TATISTCHEFF (Russian Translation)

STAFFORD There is probably not a problem that we cannot solve if we work together with mutual cooperation, understanding and trust.

TATISTCHEFF (Russian Translation)

STAFFORD As they say it - it is a fifty-fifty proposition.

TATISTCHEFF (Russian Translation)

STAFFORD And this morning I am not running for political office.

TATISTCHEFF (Russian Translation)

QUERY I have a question to General Stafford and one to Professor Bushuyev. General Stafford, do you know the exact location of the Soviet Control Center in Moscow. And Professor Bushuyev, when you are going to launch

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the Soyuz ship in 1975 in July. Do you think that we, the western correspondents, will be able to cover the launch at BayKonur live, being there.

TATISTCHEFF (Russian Translation)

STAFFORD No, I do not know the exact location of the central control and I think Professor Bushuyev has said that our technicians and, I am sure including the astronauts, will visit there shortly, and we will know the exact location. But it is not important at this time that I can see.

TATISTCHEFF (Russian Translation)

BUSHUYEV (Russian)

TATISTCHEFF Now the question that was addressed to me.

BUSHUYEV (Russian)

TATISTCHEFF We are at the present moment in the course of discussing and agreeing a whole program of public relations other than how we will notify the press and the public in general of what is going on.

BUSHUYEV (Russian)

TATISTCHEFF That document will include a discussion of the manner in which the press and the media will be informed of our activties.

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TATISTCHEFF - - will include a discussion of the manner in which the press and the media will be informed of our activities.

BUSHUYEV (Russian)

TATISTCHEFF We are basing these discussions on the belief that both the press and the big public in general must be well-informed - properly and well-informed on our activities.

BUSHUYEV (Russian)

TATISTCHEFF But at the same time, we are concerned that there be a minimum of delays and difficulties in - in - in our work.

BUSHUYEV (Russian)

TATISTCHEFF I know, for example, that, when there is a flight in the United States, your press does not get information about the Flight Director from the control center but from a special location especially provided for you.

BUSHUYEV (Russian)

TATISTCHEFF We believe that that is a very reasonable thing to do and, apparently, it's the kind of thing that we're going to do.

BUSHUYEV (Russian)

TATISTCHEFF But I want to stress the fact that whatever is done to inform the press and the public on our activities will be done on the basis of a mutually agreed program.

PAO Bruce Hicks.

HICKS I - I have several on one that has come up with this last question. Glynn, what are the specific science objectives that are being discussed? They - several experiments, I think, were mentioned - or in general. And secondly, on the basis of this last question of possible coverage in Moscow, do you see in any way the mutual agreement on reporting of the flight - any curtailment of any of the past activities of our methods of covering flights?

TATISTCHEFF I don't think I got the last one.

BUSHUYEV (Russian) I don't - didn't get the last thing. I'm sorry.

LUNNEY I get it. He's asking about the - how we will cover the flight from our point of view here in the United States and will there be any changes.

TATISTCHEFF Oh, (Russian).

LUNNEY There are a number of scientific areas and technological areas presently being discussed as candidates for experiments on the flights.

TATISTCHEFF (Russian)

LUNNEY I should caution, I think, that there are - no final decision has been made on these, but I will tell you what they are as a matter of information.

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TATISTCHEFF (Russian)
LUNNEY We are looking at a - what is called a Space plasma physics experiment, which would -
TATISTCHEFF (Russian)
LUNNEY - - which would correlate and - which would measure and correlate with other data as to the effect of the spacecraft moving through the space plasma.
TATISTCHEFF (Russian)
LUNNEY This to provide an understanding of that phenomena and to better to be able to design sensors that could be mounted on a spacecraft in an area where they would not be affected by the plasma.
TATISTCHEFF (Russian)
LUNNEY We are considering what is called an electron beam generator, which is really a study of the magnetic fields of the Earth.
TATISTCHEFF (Russian)
LUNNEY We are going to look at several life sciences experiments - -
TATISTCHEFF (Russian)
LUNNEY - - simular to some of the studies that have been conducted in the past where we take samples up into the weightless state.
TATISTCHEFF (Russian)
LUNNEY We are also looking at the use of studying material processes in space - perhaps with the use of the furnace that was flown on Skylab.
TATISTCHEFF (Russian)
LUNNEY With the two spacecraft in orbit, we are looking at the timeline to see if we could use one spacecraft to occult the main part of the Sun and take different kinds of photographs of the environment around the Sun.
TATISTCHEFF (Russian)
LUNNEY For the United States side, we are looking further at other experiments that might be carried that - that we might not consider joint but more unilateral.
TATISTCHEFF (Russian)
LUNNEY On the subject of the public information aspects of the flight - -
TATISTCHEFF (Russian)
LUNNEY - - we agreed at the very beginning, before we even embarked on the project, that the - that each country would respect the customs, traditions, and policies of the other country in this regard.
TATISTCHEFF (Russian)
LUNNEY Now that is meant to convey to you that, as far as we're concerned, we will conduct this flight in - the public information policy associated with it just as we have done on flights in the past.
TATISTCHEFF (Russian)

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LUNNEY We have been discussing a public information plan that pretains to the phase of the planning for the mission that we are now in. That is the pre-flight phase.

TATISTCHEFF (Russian)

LUNNEY And although we haven't signed a specific document, we are indeed, in fact, performing according to the agreements that are laid out in that document - -

TATISTCHEFF (Russian)

LUNNEY - - for example, this press conference.

TATISTCHEFF (Russian)

LUNNEY After we are able to sign the document on the preflight phase, we will begin in earnest our discussions of the coverage relative to the flight portion of the mission.

TATISTCHEFF (Russian)

LUNNEY We have not yet, in our discussions, got to the point of discussing coverage by the western Press, for example, at the Soviet launch site. We have just not gotten there yet.

TATISTCHEFF (Russian)

LUNNEY But we will in time.

TATISTCHEFF (Russian)

PAO Take one more here from Nick Cris. Then we'll go to Washington.

CRIS Today's the fourth anniversary of the U.S. Moon landing. In the early 1960's, during a number of spectacular successes by the Russian space program, the Soviet Union promised to send - that first man on the Moon would be a Russian. What happened? And the second part is, they have said the Zond Program would be the vehicle for sending their men to the Moon. There were a couple of shots in 1968 and then nothing - nothing more. What happened here?

TATISTCHEFF (Russian) I don't know if I understood that Zond business very well. Flight in '68?

SPEAKER (Russian)

TATISTCHEFF Although this question is not directly related to our program, I can say this: All the flights - spaceflights of the Soviet Union are conducted in accordance with a program developed ahead of time.

SPEAKER (Russian)

TATISTCHEFF As you know, that program plans flights in near-space close to the earth.

SPEAKER (Russian)

TATISTCHEFF I mean to - I have in mind the orbital stations and space - spacecraft in orbit around the earth.

SPEAKER (Russian)

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- orbital stations and spacecraft in orbit.around the Earth.

SPEAKER (Russian)

TATISTCHEFF And the other portion of the Soviet program has to do with flights into deep space by automatic spacecraft to the Moon and elsewhere.

PAO We'll go to Washington now. I would remind the participants here to pause briefly after hearing the question to allow time for switching the line, please.

TATISTCHEFF (Russian translations)

SPEAKER Norman Baker. This meeting that we have just concluded in Houston originally was set for 3 weeks, and then we learned last week that it had been reduced to 2 weeks. Who's decision was that?

TATISTCHEFF (Russian translation)

LUNNEY Well, let me answer the first part of that. This is Glynn Lunney speaking. The work for each meeting can only be laid out just so specificaly before we actually arrive on the scene and sit down and discuss the agenda.

TATISTCHEFF (Russian translation)

LUNNEY Upon arrival and discussion of the agenda, we determine that the work could actually be conducted in a time frame of 2 weeks.

TATISTCHEFF (Russian translation)

LUNNEY And we have maintained that schedule.

TATISTCHEFF (Russian translation)

LUNNEY I don't think anything more needs to be said unless Professor Bushuyev would like to comment on it.

TATISTCHEFF (Russian translation)

BUSHUYEV (Russian)

TATISTCHEFF Yes. I would like to confirm what Dr. Lunney said, that we discussed the program here when we first arrived and we succeeded in fitting all of our work into a 2-week period.

BUSHUYEV (Russian)

TATISTCHEFF In addition to that, the - a more lengthy meeting, a 3-week meeting, would have presented difficulties for our side because some of the participants in our delegation here have duties at home which cannot be postponed.

PAO Are there any more questions from Washington?

TATISTCHEFF (Russian translation)

PAO Okay. We have been going some hour and 15 minutes and we want some photographs. These gentlemen do have some more work to do, so we will end the news conference.

TATISTCHEFF (Russian translation)

PAO Yes, if the other cosmonauts--

TATISTCHEFF (Russian translation)

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PAO Okay. We will go back to Washington for questions, please.

QUERY This is Norman Baker. Thanks, gentlemen, for bearing with us on this. This is the second part of my original question. Professor Bushuyev said that they wanted to get back but some members of their people had to get back to their duties. I wonder if he would comment on the fact that the Soviet manned spaceflight tracking ships are now deployed in the Atlantic and would this be with regard to another manned spaceflight with the Soviet Union?

TATISTCHEFF (Russian Translation)

BUSHUYEV (Russian)

TATISTCHEFF That was the deploying of these - deployment of these tracking vessels and is not an indication of an imminent flight of the new spacecraft.

BUSHUYEV (Russian)

TATISTCHEFF But there are several other types of space programs have been planned and are being carried out in the Soviet Union at the present time.

BUSHUYEV (Russian)

TATISTCHEFF That have a relation to Soyuz flights.

PAO May we have the next question from Washington, please.

Query This is Jim Slade. Would one of you gentlemen please give us a broad outline of the rendezvous proceedure. How much of the operation will be conducted by the Apollo ship and what is required of the Soyuz at the present time?

TATISTCHEFF (Russian Translation)

SPEAKER Well, this plan will be somewhat similar to what we had, I guess originally in the Gemini 76 mission, where we have one spacecraft as a target vehicle with transpondering Lights.

TATISTCHEFF (Russian Translation)

SPEAKER The Soyuz will be launched from their center and do two circularization manuvers.

TATISTCHEFF (Russian Translation)

SPEAKER And 7-1/2 hours later, when the orbit of Soyuz comes across Cape Kennedy, we launch with Apollo.

TATISTCHEFF (Russian Translation)

SPEAKER And after a series of manuvers, we will rendezvous approximately 1 day later.

TATISTCHEFF (Russian Translation)

SPEAKER So in summary, after launch, Soyuz makes two manuvers to circularize its orbits.

TATISTCHEFF (Russian Translation)

SPEAKER Apollo acts as the active vehicle and does a series of manuvers to form a rendezvous.

TATISTCHEFF (Russian Translation)

PAO General Stafford answered that question. May we have the next question, please.

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TATISTCHEFF (Russian Translation)
QUERY For Glynn Lunney. Was the Soviet delegation invited to watch next week's Skylab launch from Cape Kennedy or from the Control Center in Houston.
TATISTCHEFF (Russian Translation)
LUNNEY This is Glynn Lunney. Yes, they were invited to witness the launch at Cape Kennedy, however, they declined the invitation because of the work getting done, and perhaps I can ask Professor Bushuyev to make any other comment on that that he would like to make.
TATISTCHEFF (Russian Translation)
BUSHUYEV (Russian)
TATISTCHEFF I have already stated - this is Bushuyev speaking that Dr. Lunney and I were successful in fitting the program of work for this meeting into a period of two weeks instead of three.
BUSHUYEV (Russian)
TATISTCHEFF Our internal work programs do not permit us to prolong our stay here, unfortunately.
PAO Next question, please.
QUERY This is Beverly Driscoll and I have two questions for Dr. Lunney. The first question is; It was discussed that you were in the process of forming a public relations or public information plan for coverage of this. You said you were in the process of doing the preflight plans now. When will these be made public to us?
TATISTCHEFF (Russian Translation)
LUNNEY This is Glynn Lunney. We have discussed that subject and discussed a draft of a set of agreements that would govern that subject. We intend to sign such documents at the next meeting in October and, at that time, I presume they will be made available.
TATISTCHEFF (Russian Translation)
LUNNEY I should also add that in truth we have been for the last year operating in a fashion which is entirely consistent with that document.
TATISTCHEFF (Russian Translation)
LUNNEY As it is presently drafted.
TATISTCHEFF (Russian Translation)
LUNNEY And by that I mean we have had press conferences after each meeting. We have had television coverage - media coverage of many of the events. We have provided each other with copies of the film or duplicates of negatives that go with the - some of the visits so that each side would have a photographic record of the meeting.
TATISTCHEFF (Russian Translation)
PAO Next question, please.
QUERY The followup to that question. Yes, you have them as you said and you have told us what you have been

talking about, although nothing really of substance has resulted from your description. We understand that the American and Soviet participants in this mission are exchanging technical information on technical aspects of the mission and the mission control centers, et cetera. In the agreement that was made before this flight, Dr. Lunney, did the American participants agree not to talk about the Soviet space aspects or spacecraft mission control centers, unless the Soviet first anounced it to the American people?

TATISTCHEFF (Russian Translation)

LUNNEY Let me answer the question in this way.

TATISTCHEFF (Russian Translation)

LUNNEY We agreed that each side would conduct its public information plans consistent with their own policies and own traditions.

TATISTCHEFF (Russian Translation)

LUNNEY What that means to the people on this side of the Atlantic is that we are completely willing as we always have been and are anxious to talk about any matters associated with the flight that we know about.

TATISTCHEFF (Russian Translation)

LUNNEY We stand ready to do that today and we stand ready to do that in the future.

TATISTCHEFF (Russian Translation)

LUNNEY I can't talk about subjects that I don't really know anything about, and I would not try.

TATISTCHEFF (Russian Translation)

LUNNEY But in the course of our work, we are both determined that we should understand enough about the spacecraft and the operations of the other side so that we both have an assurance of both safety and success of the flight.

TATISTCHEFF (Russian Translation)

LUNNEY At the great risk perhaps of taking issue with the lady on one point relative to substance, I have been very pleased with the substance of the work that has been conducted and I would like to give you this specific example.

TATISTCHEFF (Russian Translation)

LUNNEY We have had a group of men in Working Group number 3 working on the design and construction on a new docking system.

TATISTCHEFF (Russian Translation)

LUNNEY Last December in Moscow two-fifth scale models of that docking system built by each side were mated together and tested in preliminary fashion.

TATISTCHEFF (Russian Translation)

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TATISTCHEFF (Russian Translation)
LUNNEY Both sides have agreed to build full-scale docking systems for the purpose of engineering development test.
TATISTCHEFF (Russian Translation)
LUNNEY Those tests, of both the American design and the Soviet design, will begin here, in Houston, in about September.
TATISTCHEFF (Russian Translation)
LUNNEY As another example of substance, I would like to say, from my own personal experience in the business of planning flights, that we are very far ahead of the pace - schedule that we have usually maintained in our own program.
TATISTCHEFF (Russian Translation)
LUNNEY General Stafford's first flight in our program was in Gemini 76.
TATISTCHEFF (Russian Translation)
LUNNEY Now you know - you recall that flight plan was created in a matter of just a few months.
TATISTCHEFF (Russian Translation)
LUNNEY In this case, in planning for this mission, we have a very detailed timeline - flight plan in two languages, covering the entire course of the rendezvous and the docking phase of the flight.
TATISTCHEFF (Russian Translation)
LUNNEY This is far ahead of the usual schedule.
TATISTCHEFF (Russian Translation)
LUNNEY I think at that I will leave it, although there are other examples of concrete accomplishments in subjects in the program.
TATISTCHEFF (Russian Translation)
PAO Because of the time we must limit the conference to two more questions. May we have the next one, please?
QUERY This is (garble) for Professor Bushuyev. Will you discuss the level of hypersonic studies being carried out at the Central Institute of Areohydrodynamics, which is (garble) and a (garble) institute in relationship to future Soviet development of reusable space vehicles.
PAO Would you repeat the question please? Talk slowly and repeat it please. It was not understood here.
QUERY To Professor Bushuyev. Would you discuss the level of hypersonic studies being carried out, we believe, at the Central Institute of Aerohydrodynamics in (garble) and the (garble) Institute in relationship to reusable Soviet space vehicles.
TATISTCHEFF (Russian Interpretation)
BUSHUYEV (Russian)

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TATISTCHEFF I am afraid these questions go very far beyond the framework of our present program and I am unable to give you any comments on them.

QUERY As regards the planned journey to the Soviet Union of the astronauts in November, a couple of things. First of all, will it involve the prime crew, the backup crew, and the support crewmen. Approximately, how long will they be there, and will they get an opportunity to go to more than just the Soviet space center or centers that are involved?

TATISTCHEFF (Russian Translation)

SLATON We haven't scheduled when it is, which is approximately 1 week after Skylab 4 launch, so that we can in fact take the full prime and backup crew.

TATISTCHEFF (Russian Translation)

SLAYTON We do nct anticipate a large group traveling - I think about two or three more astronauts in addition to the prime and backup crew.

TATISTCHEFF (Russian Translation)

LUNNEY And the details of what occurs on that visit are being worked out between General Stafford and General Shatalov.

TATISTCHEFF (Russian Translation)

PAO It is necessary for the participants to leave now. We thank them for their patience. Thank you very much.

TATISTCHEFF (Russian Translation)

END OF TAPE