

Lyndon B. Johnson Space Center
Houston, Texas
77058FILE -
ASTRONAUTS
TO RUSSIA

Reply to Attn of.

AR-93-083

July 16, 1993

General Pytor I. Klimuk
Chief, Y. A. Gagarin Cosmonaut Training Center
Star City, Moscow, Russia

Dear General Klimuk:

I appreciated the opportunity of meeting with you this morning and based on our discussions, am enclosing the following:

- What we have provided to the cosmonauts and flight surgeons and our desires for the astronauts and flight surgeons (Enclosure 1).
- Summary of cosmonaut aircraft training flying to date, and anticipated future flying (Enclosure 2).
- A working draft version of our glossary. A draft version will be available approximately July 26, 1993 (Enclosure 3).

Please let me know if any additional information is required.

Donald R. Puddy
Special Assistant for
U.S./Russian Programs

3 Enclosures

PROVISIONS FOR COSMONAUTS

Housing

- Three bedroom, fully furnished house provided for each cosmonaut family
 - Houses are in close proximity to the Johnson Space Center
 - Actual location of houses selected by the cosmonauts
 - Houses are fully furnished
 - Furnishings selected by the cosmonauts and include:
 - All furniture
 - Cooking utensils, dishes, towels, linens, etc.
 - Appliances including refrigerator, range/oven, washer, dryer, television, radio, microwave
 - Telephone service
 - Cable television

Automobiles

- New family sized, four-door sedan provided for each cosmonaut family. Automobiles have heater, air conditioning, radio/cassette, and cruise control. Cosmonauts have exclusive use of the automobiles with unlimited mileage.
- Full coverage automobile insurance (including liability, property damage, and medical) provided for each adult licensed driver. This includes both cosmonauts and Mrs. Titov. Full coverage also provided for all passengers in the vehicles.

Medical Care/Health Insurance

- Full medical care is provided for the cosmonauts, either by the Johnson Space Center Flight Medicine Clinic or by off-site specialists.
- Full medical care, with the exception of optional dental and optical care, is provided for the spouse and family, either by the Johnson Space Center Flight medicine Clinic or by off-site specialists.
- Catastrophic health insurance is provided to the cosmonauts and their families via Lloyds of London. The insurance also covers injuries resulting from training, including flying in aircraft.

Supplemental Allowance

- A supplemental allowance of \$42/day for Titov and \$40/day for Krikalev is provided. This living expense is intended to allow the cosmonaut family to have a standard of living similar to the U.S. astronauts. The living expense is adjusted according to the number of members in the cosmonaut family and includes funds to cover food, gasoline, entertainment, clothing, and other miscellaneous expenses.

Travel

- All work related travel expenses are fully reimbursed by the government. This includes lodging, rental cars, actual expenses or per diem, and any other normal and approved expense incurred as a result of government travel.
- Airfare and normal expenses while within the continental United States are reimbursed for arrival and departure and same expenses provided for one return trip to Russia for the cosmonaut and his family during their stay at the Johnson Space Center.

Work Environment

- An office with the STS-60 crew is provided which has computer, telephone, fax, electronic mail and secretarial support, and use of a government telephone line for discussions with authorized Russian officials.
- A senior civil servant is available to provide dedicated administrative support.

Other

- English language training is provided to the cosmonaut and families.
- An astronaut sponsor is assigned to each cosmonaut family to assist in adjusting to life in the United States.
- T-38 aircraft proficiency flying as nominally provided to a mission specialist astronaut.

PROVISION FOR RUSSIAN FLIGHT SURGEON

Provision for the Russian flight surgeon are the same as for the cosmonauts except that family members are not provided for. This reduces such things as housing and car size. Insurance is the same. Per diem is \$18.50/day.

DESIRES FOR ASTRONAUTS AND FLIGHT SURGEONS

Like accommodations and arrangements where possible except as listed below:

Medical Care

- Use of cosmonaut medical capabilities by astronauts, flight surgeons, and families.

Travel

- Use of Russian chauffeured automobile transportation versus American operation of a leased vehicle.

Supplemental Allowance

- No direct daily monetary allowance required but provision of services requested (laundry, cleaning, etc.)
- Optional use of dining facilities by astronauts and flight surgeons. Food allowance/provision for families and participants as requested.

COSMONAUT AIRCRAFT FLYING

- Provided a modified basic mission specialist aircraft training syllabus that was compatible with the individual cosmonaut previous aircraft experience. Training was provided by instructor pilots until training completed.
- Now certified as mission specialists and are authorized to fly back seat in T-38 aircraft with any certified first pilot.
- T-38 flight hours accumulated since January 1, 1993:

Sergei Krikalev	28.1 Hours	23 flights
Vladimir Titov	26.3 Hours	21 flights

Flight hours include local area proficiency flying plus cross country to locations such as the Kennedy Space Center for training.

- Future flying is unrestricted as to the number of flight hours; limited only by their desire and personal availability.
- Although not involved as a crew member, they have also flown on:
 - Mission specialist training aircraft (Cessna Citation II)
 - Shuttle Training Aircraft (modified Gulfstream II)
 - NASA Headquarters and Johnson Space Center administrative aircraft (Gulfstream I, II, and IV).