

Lyndon B. Johnson Space Center
Houston, Texas
77058

Reply to Attn of.

AR-93-118

November 4, 1993

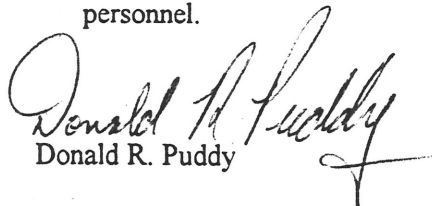
TO: Distribution

FROM: AR/Special Assistant for U.S./Russian Programs

SUBJECT: Crew Training Visit with Vladimir Dzhanibekov

On October 26-27, 1993, Steve Nagel and I had the opportunity of visiting with Vladimir Dzhanibekov, the head of cosmonaut training at Star City. Below are crew training highlights of this visit.

- Workbooks/handouts of training lectures are not provided. Currently there are no plans to provide them in the future. I offered to assist them in the preparation of this type of document if they were interested.
- Their training of foreigners assumes that the individual will have some familiarity but not be proficient in the Russian language. The first 3 months of general training will cover subjects already known by an experienced astronaut, and they consider this approach to be extremely beneficial in gaining Russian language familiarity. Vladimir's experience is that 6 months after arrival at Star City, most foreigners will be conversant in the Russian language.
- The astronauts will be provided Russian language training. Family member tutoring can be arranged at Star City but will have to be paid for.
- Contrary to what we had heard previously, until the crew arrives at the cosmodrome at L-2 weeks, a single crew member may be changed out. After arrival at the launch complex, usually the whole crew would be changed out if an individual crew person becomes incapacitated.
- The Life Sciences baseline data collection/training requirements at L-15 months (79.5 hours) and L-10 months (56.0 hours) in the United States were considered to be major perturbations to the nominal training plan and would have to be negotiated with both NPO Energia and Star City personnel.



Donald R. Puddy

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Reply to Attn of.

AR-93-119

November 4, 1993

TO: Distribution

FROM: AR/Special Assistant for U.S./Russian Programs

SUBJECT: Visit with Vladimir Dzhanibekov on Crew Accommodations

On October 26-27, 1993, Steve Nagel and I had the opportunity of visiting with Vladimir Dzhanibekov. Below are his inputs on crew accommodations at Star City.

- A strong recommendation was that the astronauts initially come to Star City without families for a few weeks or until they move into an apartment.
- The service cafeteria (pilots only) provides excellent food and will cater to individual requests given advance notice. Although reservations are not required, they are appreciated. There is no charge to eat at this cafeteria.
- The family cafeteria does not offer as broad a menu. Again reservations are not required but appreciated. There is a charge for this cafeteria.
- The most likely scenario is that the Mir 18 astronauts will live in the BOQ (prophylactoreum) for 30 to 45 days prior to being assigned to an apartment. These rooms accommodate two people. A single cooking area is available for use by all residents.
- Cold weather clothing for crew and family should be taken or planned to be purchased in Russia. It will not be issued.
- Apartments are fully furnished - furniture, refrigerator, Russian TV, linens, kitchen utensils. Missing are microwaves, freezer, and small kitchen appliances. People are available for cleaning the apartment if you pay for them.
- Chauffeured cars may not meet the expected transportation requirements. Driving in the Moscow area is hazardous but possible. Most foreigners have opted to drive themselves. I believe we should at least investigate the option of a leased car (reliable but not expensive looking) in case experience shows we need this capability.
- Satellite phone capability should be investigated. Lines from Star City are not reliable nor often available.

- Consider using a bicycle for on-site transportation.
- Availability and selection of food in Star City inadequate for most foreigners. Use Embassy referrals for food purchases. Excellent selection and quality but more expensive than same items in Houston. Also requires drive to Moscow (approx. 1½ - 2 hours).
- Use our Embassy for money and banking matters.

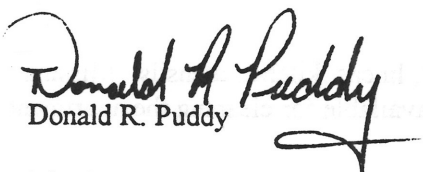
We still have not received any word from General Klimuk on what services Star City will definitely provide. He stated to me he would attempt to meet "quid pro quo" our provisions to the cosmonauts. Based on conversations with foreigners and other Star City personnel, it appears that we will be provided at no cost:

- Furnished BOQ/apartment
- Chauffeured limousine (on-call)
- Russian language training (astronaut only)
- Service cafeteria access (astronaut only)
- In-country official travel

We should determine the services/allowances we plan to support and budget for them. Although there may be others, some that are likely to require NASA funding include:

- Allowance for cold weather gear
- Allowance for appliance purchase (microwave, small kitchen appliances, etc.)
- Per diem
- Car lease
- Family Russian language instruction

I propose that we establish a small group of people to investigate and recommend specific allowances and a daily per diem. We should plan on reviewing the per diem several times during the crew stay to insure its accuracy.


Donald R. Puddy

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