



File Référence

2004

22/8

August 21, 1978

Dr. G. Herzberg  
Distinguished Research Scientist  
Herzberg Institute of Astrophysics

Please find enclosed a copy of an application for a visit to Canada by Dr. M.E. Movsesyan of the Armenian Academy of Sciences, USSR.

You will note that the applicant wishes to spend a period of 5 days in your Division, in addition to visits at other Canadian research centres.

If approved, the visit will take place under the exchange of scientists agreement between NRC and the Soviet Academy of Sciences. It will impose no financial onus on a host laboratory.

It will be greatly appreciated if you will indicate at your earliest convenience whether Dr. Movsesyan can be received in your Division, and if so, the appropriate time and duration of the visit.

Yours sincerely

A.A. Kugler  
Awards Officer  
(International Relations)

AAK:sc  
Enc.

PS : A copy of this letter has also been sent to Drs. Locke and Redhead.

## APPLICATION FOR A VISIT TO CANADA

1. Movsesyan, Melist Egisheevich
2. Born June 20, 1929 in Erevan, Armenian SSR.
3. Graduate of the Erevan State University (1952).
4. Corresponding member of the Academy of Sciences of the Armenian SSR.  
Doctor of physico-mathematical sciences.
5. Employed at the Institute of Physical Studies,  
Academy of Sciences of the Armenian SSR.  
Head of the Department of Optics.
6. Present field of specialization:  
nonlinear and coherent optics, spectroscopy
7. Good knowledge of English
8. Duration of visit: six months
9. Desired time of arrival: October 1978.
10. Proposed research:  
conversion of radiation to the vacuum ultraviolet region in metal vapours.  
Department of Physics, University of Toronto,  
B.P. Stoicheff - 5½ months.
11. Proposed itinerary:
  - Department of Physics, University of Windsor  
Dr. B. Niewitecka, L. Krause  
Discussions on "Coherent collisions of atoms and molecules" - 5 days.
  - Department of Physics, U.B.C.  
Dr. M. Broyer, Dr. J.W. Dalby  
Discussions on "Laser excited fluorescence of molecules". - 5 days.
  - Division of Physics, NRC, Ottawa  
Prof. G. Herzberg, T. Oka, A. Douglas, A.J. Alcock  
Discussions on "Luminescence of molecules, Stark spectroscopy,  
Raman scattering". - 5 days
12. Lectures which could be given:
  - Forced electron Raman scattering of light on magnetic sublevels of potassium atoms.
13. Main publications:
  1. Dynamics of development of nonlinear resonance processes.  
ZhETF 70, 1178 (1976).
  2. Polarization of resonance potassium lines.  
Optika i Spektr. 42, 525 (1976).

3. Effect of the radiation intensity on the rotation of the polarization plane in a magnetic field.  
DAN Arm. SSR 83, 91 (1976).
4. Forced UV-radiation in potassium vapours  
DAN Arm. SSR 64, 101 (1977).
5. Forced electron Raman scattering of light on magnetic sublevels.  
ZhETF 74, 1208 (1978).

14. Date: July 12, 1978

15. Signature