

ASTRONAUTICAL SOCIETY OF INDIA

(Regn No 317/90-91)

ISRO Satellite Centre Airport Road Bangalore 560 017 INDIA
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SHRI P.S.GOEL
EXECUTIVE SECRETARY

2nd December, 1991

Dear Member,

I have great pleasure in informing you that the programme council has selected the eminent scientists as given in the enclosed list as Honorary Fellows/Fellows of our Society. It is indeed a great honour to have such outstanding personalities to be associated with us, which will immensely benefit in furtherance of our objectives. Their illustrious careers and invaluable contribution in the area of astronautics will go a long way in directing the activities of our Society and enable our members to draw inspiration to contribute to the field of astronautics.

With regards,

Yours sincerely,


(P.S.GOEL)

President
Prof U R Rao

Vice President
Dr A P J Abdul Kalam

Executive Secretary
Shri P S Goel

Treasurer
Shri M G Chandrasekhar

Members

Shri E V S Nambodiry

Shri R M Vasagam

Shri V A Thomas

Shri R K Rajangam

Shri M Annamalai

ASTRONAUTICAL SOCIETY OF INDIA HONORARY FELLOWS

1. Dr APJ Abdul Kalam
Director, DRDL
PO Kanchanbagh
Hyderabad - 500 258
2. Prof S Dhawan
Member, Space Commission
Department of Space
Antariksh Bhavan, New BEL Road
Bangalore - 560 094
3. Prof MGK Menon
No.77, Lodi Estate
New Delhi - 110 003
4. Dr AP Mitra
C/o.Council of Scientific & Industrial Research
Anusandhan Bhavan
Rafi Marg
New Delhi
5. Shri N Pant
Member, Space Commission
C/o Director
Space Applications Centre
Jodhpur Tekra
Ahmedabad - 380 053
6. Prof AK Rao
Emeritus Scientist
National Aeronautical Laboratory
Kodihalli
Bangalore - 560 017
7. Prof UR Rao
President, ASI
Chairman, ISRO/Secretary, DOS
ISRO Headquarters
Antariksh Bhavan
New BEL Road
Bangalore - 560 094
8. Dr SR Valluri
"Prashanthi"
653, 100 ft Road
Indiranagar
Bangalore - 560 038
9. Prof Yash Pal
Chairman
Information & Library Network Programme
Near Gujarat University Guest House
Navrangapura, Ahmedabad - 380 009

ASTRONAUTICAL SOCIETY OF INDIA FELLOWS

1. Dr R Aravamudan
Director
SHAR Centre
Sriharikota 524 124
2. Dr VS Arunachalam
Scientific Adviser to Rakshana Manthri &
Secretary, Dept of Defence, Research & Development
Room No.137, South Block
New Delhi
3. Prof BL Deekshatulu
Director
National Remote Sensing Agency
Balanagar
Hyderabad
4. Prof TK Ghoshal
Department of Elec. Engineering
Jadavpur University
Calcutta - 700 032
5. Dr VR Gowariker
Adviser to PM on S&T
C/o D-5, Apartment, Qutub Hotel
New Mehrauli Road
New Delhi 100 016
6. Dr SC Gupta
Director
Vikram Sarabhai Space Centre
ISRO PO
Thiruvananthapuram - 695 022
7. Shri PP Kale
Director
Space Applications Centre
Ahmedabad - 380 053
8. Dr K Kasturi Rangan
Director
ISRO Satellite Centre
Airport Road
Bangalore - 560 017
9. Dr R Krishnan
Director
Gas Turbine Research Establishment
CV Raman Nagar
Bangalore - 560 093

10. Dr AE Muthunayagam
Director
Liquid Propulsion System Centre
Valaimala Complex
Nedumangal Post
Thiruvananthapuram 695 547

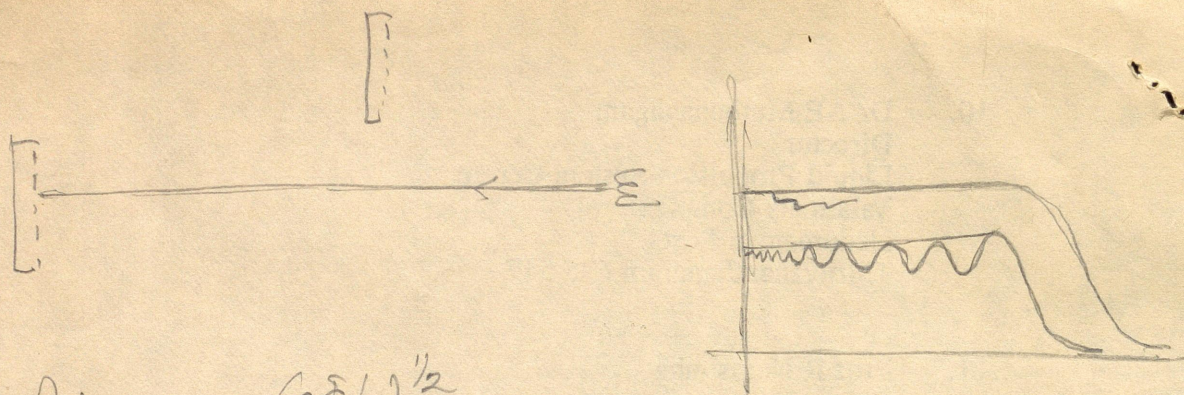
11. Prof R Narasimha
Director
National Aerospace Laboratory
Kodihalli
Airport Road
Bangalore - 560 017

12. Wg Cdr Rakesh Sharma
Chief Test Pilot
Hindustan Aeronautics Ltd
Nasik

13. Dr P Rama Rao
Secretary
Department of Science & Technology
Technology Bhavan
New Mehrauli Road
New Delhi - 110 016

14. Prof MA Ramaswamy
Department of Aerospace Engg
Indian Institute of Science
Bangalore 560 012

15. Dr RK Verma
Director
Physical Research Laboratory
Ahmedabad - 380 009



$$\Omega L = 2\pi n \left(\frac{2e\Phi}{m} \right)^{1/2}$$

When this condition is satisfied the particles with ^{velocities v_1} ~~energies~~ $< \left(\frac{2e\Phi}{m} \right)^{1/2}$ are eliminated but ^{with} those $= \left(\frac{2e\Phi}{m} \right)^{1/2}$ are focussed - (for appropriate value of n). If they are falling on the grid wires they would go to the grid as grid current (and be thus eliminated from the stream)

Further increase of potential ~~now~~ should not make any difference (should at most keep the current level const if not lower it ~~lower~~). But certainly there is no reason to expect increase in the current level ~~that~~ ~~is~~ ~~due~~ by increasing the potential further - unless it also amounts to suppressing secondary emission - from the plate (as one increases the potential)

But when the next condition is satisfied for (for next n) particles are focussed again