



# INDIAN ACADEMY OF SCIENCES

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January 27, 1977

Dear Prof. Verma,

It gives me great pleasure as President of the Indian Academy of Sciences to welcome you into its Fellowship.

As you probably know already, the Academy was founded by Prof. C.V. Raman in 1934. Thus far the two major activities of the Academy have been to publish scientific journals and to hold an Annual Scientific Meeting of the Academy each year. As far as the first activity is concerned, the Proceedings of the Academy (Parts A and B) have appeared regularly and punctually since 1934. More recently, for one scientific area, (physics), a new journal has been started by the Academy entitled "Pramana" with the collaboration of the Indian Physics Association and later of the Indian National Science Academy. It marked a departure from all previous publication activities of the Academy in which papers had to be written by or communicated by Fellows. The Proceedings also continue to be published. Now Pramana and the Proceedings accept papers directly from the authors and publish them after appropriate refereeing. Thus the Academy has contributed since 1934 to providing media for the publication of scientific work conducted in India.

As far as the second activity is concerned, the holding of the Annual Meeting, this has been of considerable scientific significance over the years, since it has been held each year in a different location, largely at major educational centres like the Universities, and has generated great enthusiasm amongst the younger generations, principally through the powerful personality of Professor Raman, who was a speaker of distinction and who could hold his audience enthralled.

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At a meeting of the Council of the Indian Academy of Sciences held on the 1st of July 1973 there was considerable discussion on the role that the Academy should play in the scientific life of the country over the future. It was noted that with the enormous increase in scientific activity in recent years, it was absolutely essential for the Academy to have in its fold all scientists in the country from various disciplines whose quality as scientists would merit their election to the Fellowship. It was therefore decided that the annual intake of 10 Fellows, and the maximum of 300 for the Fellowship, that was specified in the regulations, should not act as a limitation to the Academy being a truly representative body of the best scientific talent in the country. The constitution was consequently amended. 108 new Fellows were elected in 1974; and 85 in 1975. The annual intake has been increased from 10 to 20 from 1976 onwards. There will still be a number of outstanding scientists in many fields who are yet to be elected. As a Fellow of the Academy it is your responsibility to ensure that the quality of the Fellowship is maintained, and that no truly worthy scientists are omitted. You are requested, therefore, to identify and propose candidates for each year's election in good time, so that we have the widest high quality list of names from which to choose.

Your whole-hearted co-operation as a Fellow is also solicited both in contributing your best scientific work to the Academy journals and in advising the Council on the publication activities of the Academy.

It is now more important than ever to continue the tradition of holding annual meetings at centres that are not in the scientific limelight. This practice will have the salutary effect of inspiring the keener section of university youth who provide the only hope of better scientists for tomorrow. You can play an important part by attending and helping to influence the character of these annual meetings.

INDIAN ACADEMY OF SCIENCES  
BANGALORE 560006

SUBSCRIPTION INFORMATION

The Fellowship will be effective from the 1st of January 1977. Every Fellow shall, on admission, pay an Admission Fee of Rs.100/- and an Annual Fee of Rs.48/-.

In the case of those Fellows who are also Fellows either of the National Academy of Sciences, Allahabad or of the Indian National Science Academy, New Delhi, a rebate of Rs.12/- is applicable in the annual fee and only Rs.36/- (and not Rs.48/-) may be remitted together with a certificate of Fellowship of either of the Academies or both as the case may be issued by the Secretary/Secretaries of the body/bodies concerned for our records.

If a newly elected Fellow desires to become a Life Member of the Academy, then the amount payable by him will be Rs.100/- towards admission fee and Rs.600/- towards Life Composition Fee. However, it is open to a Fellow to pay the Life Composition Fee in a single sum or by instalments before the end of the year.

Cheques may be made out to the 'Indian Academy of Sciences, Bangalore' and sent to the Secretary, Indian Academy of Sciences, Bangalore 560006.

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Among other suggestions that were received at the Council meeting mentioned earlier, was one that all Fellows must take it upon themselves to deliver a minimum number of lectures every year at schools and colleges. Those educational institutions not situated within the major cities would stand to benefit most from such lectures and the discussions following them. You are requested to communicate your views about this and other possible ways by which the aims of the Academy can be fulfilled. The essential objective of the Academy is to contribute to the growth of a sound Indian scientific community that can play its part in the growth of science and in its application for human happiness.

You will receive in due course the annual handbook currently under preparation and containing the memorandum of association. Although the memorandum lists almost all possible ways in which the Academy can contribute, the present national situation requires that some of these aims be made into specific tasks which Fellows must take upon themselves to carry out. Only thus can the Academy contribute towards the growth of a meaningful and relevant Indian science over the future.

Enclosed you will find a brief listing of the obligations and responsibilities attendant on Fellowship of the Academy.

The Academy looks forward to the contributions that you will make to the growth of the Academy and to that of science in India. In this connection please feel free to write to convey your suggestions for the better functioning of the Academy.

A new Council for the triennium 1977-79 with Prof. Satish Dhawan as President is taking over with immediate effect.

With all good wishes,

Yours sincerely,

*M/S K Menon*  
27/1/77

Encl: Five (P.T.O.)  
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PRIVILEGES, OBLIGATIONS AND RESPONSIBILITIES  
OF FELLOWS OF THE INDIAN ACADEMY OF SCIENCES

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Only Fellows in good standing shall have the right to vote, nominate and stand for election to the Council. Only Fellows in good standing can propose and recommend candidates for election to the Fellowship and Honorary Fellowship of the Academy. Fellows of the Academy are entitled to use the letters 'F.A.Sc.' after their names. Fellows are entitled to receive gratis any one of the journals published by the Academy.

Fellows are expected to attend the meetings of the Academy as often as they can, and to publish their research findings in the journals brought out by the Academy.

Fellows must identify talented and promising young scientists with a view to recommending them to the Fellowship of the Academy. They should endeavour to promote the aims and objects of the Academy as given in the "Memorandum of Association".

The Fellows shall pay the annual fee as and when it falls due.

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INDIAN ACADEMY OF SCIENCES  
BANGALORE 560006

A. MEMORANDUM OF ASSOCIATION

I. The name of the Association shall be 'The Indian Academy of Sciences'.

II. The objects of the Academy are:-

1) To promote the progress and uphold the cause of science, both in pure and applied branches.

2) To cooperate with the existing Provincial Academies having similar objects, and with others when founded.

3) To encourage and publish important researches in the branches of science comprehended by the Academy and to represent internationally the scientific work of India.

4) To undertake, control and direct scientific enterprises of all-India significance and to participate in similar international activities.

5) To collect, sort out and disseminate information concerning the industrial, economic and labour problems relating to India and other progressive countries.

6) To publish books, memoirs, journals, proceedings and transactions relating to scientific researches in pure and applied branches initiated by the Academy and those conducted under the direction of Provincial Academies, the Universities and Government Scientific Institutions.

7) To organise and arrange for the meetings of the Congresses, Committees and Conferences for reading and discussing papers submitted to the Academy, advising Government and other bodies on scientific and other matters referred to the Academy and to cooperate with the National Research Council when instituted.

8) To secure and administer funds, grants and endowments for the furtherance of scientific research.

9) To undertake and execute all other acts which shall assist in and promote the usefulness, aims and purposes of the Academy.

III. The Academy shall not make any profit nor award bonus to any of its members but may pay remuneration to the members of its permanent staff. In addition, it may make awards of prizes and research grants to individuals and organisations for the advancement of scientific knowledge.

IV. Fellows of the Academy are entitled to use the letters 'F.A.Sc.' after their names as the recognised abbreviation indicative of their Fellowship.

## B. CONSTITUTION

### I. Membership

The Academy shall consist only of Fellows and Honorary Fellows. A record shall be maintained in the Office of the Academy containing their names, the dates of their election, and their signatures in token of formal admission to the Academy.

Fellows: The total number of ordinary Fellows should be limited to 500, and every year not more than 10 Fellows may be elected so long as there are vacancies. But there will be no restrictions in the numbers to be elected from those listed in the balloting papers received in the calender years 1973 and 1974.

Every candidate for a Fellowship shall be proposed and recommended by six Fellows in good standing of whom three at least shall certify their recommendation from personal knowledge. The certificate which will be in the prescribed form shall specify the name, position, qualifications and usual place of residence of the candidate. It shall also include a statement by the proposer setting out the discovery, invention or other contribution to knowledge made by the candidate. A list of the scientific publications by the candidate may also be sent as a separate statement attached to this form. The form shall bear the signatures of the proposer and the seconder and ordinarily also of the other Fellows supporting the nomination. It will, however, be open to any Fellow to indicate his support of the candidate by writing to the Academy before the 30th of September and authorising his signature to be appended to the form. The proposer shall be responsible for informing the candidate of the obligation to be subscribed and of the payment to be made to the Academy before he can be admitted a Fellow.

Honorary Fellows: Honorary Fellows are persons who have been elected as such by the Academy by reason of their distinguished contribution to science.

There shall be not more than sixty Honorary Fellows and not more than three shall be elected in any one year. Any Fellow in good standing may by a written proposal send in so as to reach the Office of the Academy before the 31st of October in each year recommend any person distinguished for his contributions to science for election as an Honorary Fellow. Any such recommendation should be accompanied by a reasoned statement justifying the same.

The following branches of Science are comprehended by the Academy:

- a) Physics and Meteorology
- b) Mathematics and Astronomy
- c) Engineering, Mining and Metallurgy
- d) Chemistry

- e) Zoology, Anatomy and Anthropology
- f) Botany, Agriculture and Forestry
- g) Medicine and Veterinary Science
- h) Geology, Geodesy and Geography
- i) Physiology and Psychology.

## II. Finances and Resources

a) Fees: Every Fellow shall, on admission, pay an admission fee of Rs.100 and an annual fee of Rs.48. The working year of the Academy shall begin on 1st April, but the annual fees will become due on 1st July in the case of Fellows elected before January 1937 and in the case of new Fellows the Entrance Fee and the Annual Subscription will become due in January of the year of their election.

The Fellowship subscription is payable within three months from the date on which it falls due and only Fellows who have paid their dues within this period will be considered as in good standing. The issue of the publications of the Academy to any Fellow will be suspended if his subscription remains unpaid for a year beyond the date on which it became due. His name will be removed from the list of Fellows if the subscriptions remain unpaid for a period of two years.

Any Fellow of the Academy who is also a Fellow of such other Academies as may be recognised for this purpose from time to time shall be entitled to a rebate of 25% in the annual subscription payable to the Academy. For the purpose of this rule, only those Academies will be recognised that will allow a similar rebate in the subscriptions to be paid to them by such of their Fellows as are also Fellows of the Indian Academy of Sciences.

b) Life Compositions: All who are or may become Fellows of the Academy may at any time compound for their annual payments in accordance with the following rules.

- (i) Any Fellow of the Academy may, after he shall have paid his Entrance Fee, compound for the payment of all future subscriptions by payment in a single sum or by instalments within a period of twelve months, of Rs.600.
- (ii) Any Fellow already belonging to the Academy may at any time compound for all future subscriptions by payment of the above compounding fees, less Rs.20 for each annual subscription he may have already paid, provided always that under no circumstances shall the Composition Fee be reduced below Rs.200.

(c) Subventions: The Academy shall be empowered to accept annual grants from the Central and State Governments, Industrial Organizations, Universities and other bodies.

(d) Donations: The Academy shall be authorised to secure donations from Corporate Bodies, Industrial Organizations and individuals interested in promoting scientific advancement.

(e) Subscriptions realised from the sale of the Academy's publications shall form a source of revenue.

### III. Location

The Office of the Academy shall be located at its premises in Bangalore.

### IV. Management of Affairs

The affairs of the Academy shall be administered by a Council consisting of:

The President  
Four Vice-Presidents and  
Fifteen Members.

The Council shall be elected triennially.

V. Elections

Election to the Fellowship, to the Honorary Fellowship and to the Council of the Academy shall be by postal ballot, the procedure for such ballot being as stated below:

1. Fellows: Nomination papers shall be received at the Office of the Academy till the 30th of September of each year.

A consolidated list of those candidates whose nomination papers are in order as also of candidates nominated but not elected in the two preceding years will be prepared by the Academy and sent by post to the Fellows together with a brief account of the qualifications of the candidates before the second week of November.

The list of nominations shall be considered by the Council at a meeting held for the purpose and the names recommended by them for election will be printed in a balloting paper and sent out by post to all the Fellows before the second week of December. Any Fellow is at liberty to delete from the balloting list any of the names recommended by the Council. He may also substitute for the names thus deleted any other names from the list of valid nominations circulated to the Fellows previously. The balloting paper will be returned duly signed by the Fellow enclosed in the special envelope sent along with the balloting list so as to reach the Office of the Academy by the 31st of December.

Two Fellows of the Academy will be appointed by the President as scrutators who will open the envelopes containing the balloting papers and report the results of the ballot to the President. Every person whose name has been voted for in the majority of the balloting papers received back signed by the Fellows will be declared by the President to have been elected.

2. Every Fellow thus elected shall, within thirty days of receiving notification thereof, send in the undermentioned

obligation form duly signed together with the admission fee and the annual subscription. Failure to comply with the rule will entail the invalidation of election.

'I who have hereunto subscribed do hereby promise for myself that I will endeavour to promote the cause, the aims and objects of the Indian Academy of Sciences for which it is founded; that I will be present at the meetings of the Academy as often as I conveniently can, especially at the Annual General Meetings and at Emergency Meetings; and that I will observe the Statutes, rules and standing orders of the said Academy.'

3. Honorary Fellows: The names of persons who have been proposed for election as Honorary Fellows will be entered in a register which will be maintained in the Office of the Academy and would be open for inspection by the Fellows. At a meeting held for the purpose, the Council may proceed to select and recommend any person or persons whose names appear in the register for election as Honorary Fellows of the Academy. A balloting paper containing the names thus recommended will be sent out to all the Fellows before the second week of December with a request to return the balloting paper duly signed to the Office of the Academy in the addressed envelope accompanying the cover. The Fellow who receives the balloting paper may, if he so desires, delete any of the recommended names from the balloting list. The procedure for the disposal of the balloting papers will be the same as that laid down for the election of Fellows.

4. Council: During the year in which elections to the Council become due, the fact shall be notified to the Fellows, before the 31st of August of that year and nominations invited from them. Nominations shall be received not later than the 31st October.

The procedure laid down for the election of Fellows shall apply mutatis mutandis to the election of the Council.

Any vacancies that may occur in the Council during a triennium either due to death or resignation may be filled in by the President from amongst the Fellows for the rest of the term of office.

#### VI. The President

He shall be the Chairman of the Council. He shall be in administrative charge of the Academy.

#### VII. The Vice-Presidents

They shall exercise such powers as may from time to time be delegated to them either by the President or by the Council.

#### VIII. The Council

The Council will consider the Annual Report on the working of the Academy as also the Annual Statement of Accounts together with the report of the Auditor appointed by them to examine the same. They may also consider from time to time the position of the Academy in regard to its staff, activities, publications and finances and pass appropriate resolutions thereon for the guidance of the Officers of the Academy.

#### IX. Publications

The 'Proceedings of the Indian Academy of Sciences' shall be published in two Sections. Section A shall include papers dealing with Mathematical, Physical and Chemical Sciences and Section B shall include those of Biological Sciences.

The Council may issue such other publications as may be deemed necessary.

#### X. Meetings

1. There shall be an Annual General Meeting of the Academy at the Headquarters, or at a centre to be decided by the Council notice of which shall be given to the Fellows two months in advance.

2. The President shall have the power to call an Emergency Meeting of the Fellows at the premises of the Academy in Bangalore. Such Emergency Meeting shall be summoned by the President on a written requisition signed by ten Fellows or three Council Members. Notice of such Emergency Meeting shall be sent out by post to all the Fellows at least two weeks in advance.

3. Meetings of the Council shall be held at the premises of the Academy in Bangalore as often as may be necessary, but at least twice a year, viz., in the first week of the months of July and December respectively. Notice of such Meetings shall be sent out by post at least two weeks in advance.

4. Ordinary meetings of the Academy for the formal presentation of papers as well as Special Meetings for Symposia and Public Lectures will be held from time to time at the premises of the Academy. The dates and times of such meetings shall be notified to the Fellows at least two weeks in advance.

#### XI. Privileges of Fellows

Only Fellows in good standing shall have the right to vote, nominate and stand for election to the Council. All scientific papers intended for publication in the journals of the Academy shall be communicated by them. The publications of the Academy will be sent to all the Fellows gratis.

XII. Properties

The President in Council shall be in charge of all the properties of the Academy, except as otherwise provided.

XIII. Auditor

The Council shall appoint annually an Auditor for checking the account books and for certifying the accuracy of receipts and expenditure.

XIV. Amendments to Constitution

Amendments to the Articles of Constitution shall first be circulated to the Fellows at least two months in advance for an expression of opinion and then shall be considered by the Council. Following a report by the Council, they will be decided upon by the Fellows on the basis of a postal ballot.