








SCHEDULE 'A'  
[See Rule 3(1)]  
FORM OF APPLICATION FOR REGISTRATION OF SOCIETIES UNDER  
THE KARNATAKA SOCIETIES REGISTRATION ACT, 1960

The Registrar of Societies  
Bangalore Urban District  
Gandhinagar, Bangalore

Dear Sir,

We desire to form ourselves into a Society under the Karnataka Societies Registration Act, 1960 for the purpose of promoting and fostering research in Chemistry and Chemical Sciences. We enclose herewith the Memorandum of Association and the Rules and Regulations of the Society and the original challan for having paid the prescribed fee. We have in other respects complied with the requirements of the Act and the Rules made thereunder. We request that the Society may be registered.

Yours faithfully,

- 1)  (C.N.R. Rao)
- 2)  (S. Chandrasekaran)
- 3)  (S. Ramakrishnan)
- 4)  (G. Mehta)
- 5)  (V. Krishnan)
- 6)  (K.J. Rao)
- 7)  (Chandrasekhar)



Volume 1, No. 1, May, 2000

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CHEMICAL RESEARCH SOCIETY OF INDIA

Department of Inorganic and Physical Chemistry,  
Indian Institute of Science,  
Bangalore - 560 072.

100/- (Exceed One hundred only)

99

10th March 2000



S. RAMAKRISHNAN  
BANGALORE URBAN DISTRICT  
GANDHINAGAR, BANGALORE  
KARNATAKA  
INDIA

**President** C.N.R. Rao; **President Elect** G. Mehta; **Vice-presidents** A. Chakravorty, M.V. George, S.V. Kessar, P. Ratnasamy, S. Varadarajan; **Secretaries** S. Chandrasekaran, V. Krishnan; **Treasurer** P.T. Manoharan; **Jt. Secretaries** K. Bhattacharya, J. Iqbal, E.D. Jemmis; **Jt. Treasurer** S. Ramakrishnan  
**Council Members** Y.K. Agarwal, K.K. Banerji, A.K. Bakshi, P.K. Bhattacharya, B.M. Choudhuri, M.K. Chaudhuri, A.C. Dash, B.M. Deb, S.R. Gadre, K.N. Ganesh, A.N. Garg, M.S. Gopinathan, V.D. Gupta, Harjit Singh, S. Mitra, J.P. Mittal, D. Mukherjee, Vijay Nair, P. Natarajan, V.S. Parmar, R. Pramanik, A.V. Rama Rao, T. Ramasami, S. Ranganathan, K.J. Rao, N. Sathyamurthy, A.K. Singh, S.P. Singh, S.K. Srivastava

### From the President's Desk



Dear Colleagues,

I have great pleasure in presenting the first News Letter of the Chemical Research Society of India describing events that have taken place since its inception.

The Chemical Research Society of India was formed in the beginning of 1999, as a part of the celebration of the 50th Anniversary of the Country's Independence. The Society provides a Forum for chemists to discuss and share their research contributions in different areas of chemistry with colleagues and foster the growth of chemical research and education in the right direction. At present we have 455 members including 290 life members. The Second National Symposium in Chemistry was held in the Indian Institute of Chemical Technology, Hyderabad, during January 27-29, 2000. This meeting witnessed a number of excellent presentations and was attended by a large number of chemists. The Third National Symposium in Chemistry is scheduled in Chandigarh (Panjab University Campus) on February 2-4, 2001. The Society has initiated several activities including local chapters, educational programmes and others. For all these the Society depends on the active participation of the members. It is important that we believe that a vibrant Chemical Research Society in our country is essential for our professional growth and the subject itself.

I look forward to your active cooperation.





### **Excerpts from the Memorandum of Association:**

1. The name of the Society shall be "CHEMICAL RESEARCH SOCIETY OF INDIA".
2. The Registered Office of the Society shall be situated in Bangalore in the State of Karnataka and, for the time being, c/o Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore 560 012.
3. The Objects for which this Society is established are:
  1. To recognise, promote and foster talent in Chemistry and Chemical Sciences.
  2. To popularise Chemistry in general.
  3. To improve the quality of Chemical Education at all levels.
  4. To recognise and honour life-time achievement in chemical research through awards, grants, etc.
  5. To organise conferences, seminars, workshops, symposia and similar other programmes to facilitate and promote research in all branches of Chemistry.
  6. To interact and coordinate with industry to catalyse the growth of Chemical Industry.
  7. To interact with other societies or associations, both in India and abroad, having similar objects for mutual benefit and to conduct joint programmes.
  8. To publish newsletters, journals, books and other forms of communication to highlight the research activities of the Society as also the new developments taking place elsewhere in the field of Chemical Sciences.
  9. To institute and award fellowships, scholarships, stipends, travel grants or otherwise support students and research scholars to encourage them to devote themselves to pursuits in Chemical Science.
  10. To undertake or to do all such other things as are necessary or convenient to be done for or in connection with or as are incidental to the furtherance of the objects of the Society.
4. The affairs, business, funds and property of the Society shall be administered by a Governing Council.

### **List of Life Members (as on 31/03/2000)**

Adapa, Srinivas R.; Adhikari, Soumyakanti; Agrawal, Y.K.; Ajayaghosh, A.; Akkewar, Dattarey Manohar; Ansari, Omtiaz Ahmad; Argade, Narshinha Panditrao; Arthar, Taimur; Arunachalam, S.; Arunan, E.; Augustine, Anu; Bakhshi, A.K.; Balakrishna, M.S.; Balam, P.; Balasubramanian, K.K.; Bandyopadhyay, Ananda K.; Banerjee, Pradyot; Banerji, K.K.; Bari, S.S.; Basavaiah, Deevi; Basu, Sukalyan; Bhalekar, Anil A.; Bhanumathi, N.; Bharadwaj, P.K.; Bhattacharjee, C.R.; Bhattacharya, Santanu; Bhattacharya, Samaresh; Bhattacharya, P.K.; Bhattacharyya, R.; Bhattacharyya, K.; Bhawal, B.M.; Chakravorty, Animesh; Chakravorty, A.R.; Chandra, Amalendu; Chandra, Swapan Kumar; Chandra, Sulekh; Chandrasekaran, S.; Chandrasekhar, T.K.; Chandrasekhar, V.; Chandrasekhar, S.; Chary, K.V.R.; Chattaraj, Pratim Kumar; Chaturvedi, Rajiv Kumar; Chaudhuri, Nirmalendu Ray; Chaudhuri, Mihir K.; Chaudhuri, Raghunath Vitthal; Chaudhuri, Arabinda; Chauhan, S.P.; Chauhan, S.M.S.; Choudhary, B.M.; Chowdhury, Mihir; Das, A.K.; Das, Suresh; Das, P.K.; Dash, A.C.; Dave, Chaitanya G.; Deb, B.M.; Deb, B.; Deo, Keshav; Deshmukh, A.R.A.S.; Deshmukh, M.N.; Deshpande, V.H.; Deshpande, R.M.; Desiraju, Gautam R.; Dev, Sukh; Devi, M. Indira; Devi, S.G.; Dhathathreyan, K.S.; Dwivedi, Kamal Kant; Gadre, S.R.; Ganapathy, S.; Ganesh, K.N.; Ganguly, P.; Garg, A.N.; Gawali, B.B.; George, M.V.; Ghosh, Saktiprosad; Ghosh, Rina; Ghosh, Prasanta; Ghosh, Barindra Kumar; Ghosh, Subrata; Gopalakrishnan, J.; Gopalan, B.; Gopidas, K.R.; Gopinathan, M.S.; Goswami, Debabrata; Goswami, S.; Grover, G.S.; Gupta, R.C.; Gupta, V.D.; Gupte, S.P.; Gurjar, Mukund K.; Haram, Nanda Santosh; Hashim, S. Riaz; Hazra, Braja Gopal; Hundal, Maninder Singh; Iqbal, Javed; Ishratullah, Khwaja; Islam, Nashreen S.; Ismail, Kochi; Iyer, Suresh; Jacob, Rebecca; Jagirdar, B.R.; Jain, Vimal K.; Jayaram, B.; Jemmis, E.D.; Joginadha Swamy, Musti; Joshi, Sunil S.; Joshi, R.A.; Joshi, N.N.; Kamal, Ahmed; Kar, A.; Kessara, S.V.; Khan, Abu Taleb; Khanna, Jag Mohan; Khurana, Jitender M.; Kotha, Sambasivarao; Kothari, S.; Krishna, Radha; Krishnaiah, A.; Krishnan, V.; Krishnamurthy, M.; Krishnamurthy, S.S.; Kulkarni, G.U.; Kulkarni, S.J.; Kumar, Suresh; Kumar, Subodh; Kumar, I. Shiva; Kumar, Anil; Kumar, Pradeep; Kumar, V.A.; Lahiri, Susanta; Lobana, Tarlok Singh; Loganathan, D.; Mahajanm M.P.; Mahanti, Mahendra, K.; Maitra, Uday; Maiya, Bhaskar G.; Malar, E.J. Padma; Manjula, A.; Manoharan, P.T.; Mazumdar, Shyamalava; Mehrotra, Indu; Mehrotra, R.C.; Mehta, G.; Mishra, K.K.; Mishra, Ashok Kumar; Mishra, Lallan; Mitra, Samaresh; Mittal, J.P.; Mukherjee, R.N.; Mukherjee, Debashis; Mukherjee, Tuls; Mukherjee, G.N.; Murthy, M. Marthanda; Murty, M. Sree Rama; Murugavel, R.; Muthusamy, S.; Nagaiah, K.; Nagendrappa, G.; Naik, Rajan Hiralal; Nair, Mangalam S.; Nair, Vijay; Nangia, Ashwini Kumar; Narayanan, R.; Narayanan, S.; Natarajan, Srinivasan; Natender, R.; Natu, A.A.; Neelakantan, Parvati; Padhy, Arun Kumar; Pal, Samudranil; Pal, Sourav; Pal, Haridas; Palaniandavar, M.; Parmar, V.S.; Patel, Bhisma Kumar; Pathak, Tanmaya; Paul, Satya Bhusan; Periasamy, M.; Periasamy, N.; Pillay, Krishna M.; Pradeep, T.; Pramanik, P.; Prasad, A.R.; Rajasekharan, K.N.; Rajitha, B.; Ramaiah, D.; Ramakrishnan, S.; Ramalingam, T.; Ramaraj, R.; Ramasami, T.; Ramasesha, Sheela K.; Ramasesha, S.; Ramaswamy, A.V.; Ramaswamy, Veda; Rane, V.H.; Ranganathan, S.; Ranganathan, Darshan; Ranu, B.C.; Rao, B. Vittal; Rao, K.S. Rama; Rao, V. Jayathirtha; Rao, C.N.R.; Rao, T.R.; Rao, K. Narasimha; Rao, V. Venkat; Rao, K. Rama; Rao, K.J.; Rao, A.V. Rama; Rao, G.S.R.S.; Rao, Chebrolu Pulla; Ratnasamy, Paul; Ravindranath, T.; Ray, Manju; Reddy, V.V. Narayana; Reddy, G. Narasimha; Reddy, Benjaram M.; Reddy, K.L.N.; Reddy, M.C. Somasekhara; Reddy, B.S.R.; Reddy, P. Rabindra; Rode, C.V.; Roy, Sujit; Roy, Sakti Mitra; Roy, Subhas Chandra; Saha, Nityananda; Sai Prasad, P.S.; Sai Prakash, P.K.; Samuelson, A.G.; Sandhu, J.S.; Sangaranarayana, M.V.; Sanjayan, G.J.; Sarkar, Amitabha; Sarkar, Nilmoni; Sarma, J.A.R.P.; Sastry, Murali; Sathyamurthy, N.; Saud, I. Ibnu; Sengupta, Saumitra; Shanmugam, P.; Sharma, Indu Bhushan; Sharma, Pradeep K.; Sharma, R.L.; Sharma, G.V. Madhava; Sharon, Maheshwar; Shashidhar, M.S.; Singh, Anil Kumar; Singh, V.K.; Singh, A.P.; Singh, Satnam; Singh, Jaimala; Singh, Harkesh B.; Singh, V.K.; Singh, S.P.; Singh, Tejvir; Singh, Harjit; Singh, Indrapal; Sinha, Chittaranjan; Sinhababu, Amalendu; Sivasanker, S.; Srinivas, R.; Srinivasan, B.R.; Srinivasan, T.N.; Srinivasan, P.C.; Srivastava, S.K.; Subrahmanyam, M.; Sundararajan, G.; Swamy, K.C. Kumara; Thakur, Swapnadip; Thomas, K. George; Tilve, S.G.; Trehan, Sanjay; Trivedi, Girish K.; Umapathy, S.; Vaidya, Subhash Hari; Vankar, Y.D.; Vardarajan, S.; Varma, Luxmi; Vaval, Nayana; Venkateswaran, R.V.; Venkateswarlu, Y.; Venugopalan, B.; Vijay Kumar, V.; Vijayamohanan, K.; Viswanathan, V.; Wakharkar, R.D.; Zacharias, P.S.



## *Minutes of the Annual General Body Meeting*

**T**he CRSI Annual meeting was held on 27th of January 2000 at 6.30 p.m. in IICT, Hyderabad. Around 130 members of the CRSI were present at this meeting. Prof. C.N.R. Rao, President of the CRSI welcomed the gathering. He observed that the Council has discussed various measures to promote and enlarge a good number of activities for the coming years of CRSI. At the outset, he said that our immediate attention should be given to the funding mechanism of the Chemical Research Society and also suggested that we should have at least a minimum of about 1000-1500 members of the CRSI especially in view of the presence of a large chemical community in the country.

The opening remarks was followed by the medals presentation. The life time award has been conferred on Prof. T.R. Govindachari and Prof. R.C. Mehrotra. Both personally received the same. Dr. Sukh Dev, one of the recipients of the life time award, was presented the medal immediately after his lecture on the morning of 27th. The CRSI silver medals were presented to Prof. M. Chowdhury, Prof. B.M. Deb, Prof. G.R. Desiraju, Prof. P.T. Manoharan, Prof. G. Mehta, Dr. J.P. Mittal. Dr. Paul Ratnasamy, who was a recipient of the silver medal, was not present and it was given to him in absentia and collected by Dr. Darbari Srinivas at the meeting. The CRSI bronze medals were presented to the following persons who personally received the same. They are Prof. A.K. Bakshi, Prof. D. Basavaiah, Dr. P.K. Chattaraj, Prof. T.K. Chandrashekar, Dr. B. Jayaram, Prof. M. Palaniandavar, Prof. R. Ramaraj, Dr. Sourav Pal, Dr. Suresh Das, Prof. A.G. Samuelson, Prof. Uday Maitra, Prof. Vishwakanna Singh.

After the presentation of the medals, the President briefly mentioned about the future meetings of the CRSI. The next meeting of the CRSI will be held in Chandigarh. As the dates January 27th, 28th, and 29th are not convenient to many people, the first weekend in February has been suggested as the possible dates for all the future meetings, i.e. in Chandigarh the meeting will take place during February 2nd to 4th of 2001. The Council has suggested the venues to be Pune for the year 2002 and Chennai for the year 2003. It would be better that in each annual meeting the CRSI can perhaps identify two other cities in different parts of the country, so that sufficient preparations can be made in advance. The President of the Society also mentioned that a small group in CRSI can be devoted to chemical education activities. It is desired to plan some activity at the next meeting in Chandigarh. He asked for suggestions from the members and all the members unanimously agreed for the creation of a new group devoted to chemical education.

The President put forward an item discussed by the Council to the general body. He suggested that every society has been greatly benefited by the presence of scientists from the international scene. Towards this he said that it will be a good idea to have Honorary Fellows of the Society and every year the CRSI could consider nominating not more than 5 people as Honorary Fellows of the society. All the people present in the general body approved this proposal to have the honorary fellowships bestowed on foreign chemists who can contribute to the growth of the CRSI of India.

The next point discussed by the President dealt with the budgetary allocations. Presently the CRSI has approximately about Rs. 7.36 lakhs which includes subscription fees and savings of Rs. 2.1 lakhs from the earlier meeting in Bangalore. Rs. 4.0 lakhs has been kept in Fixed Deposit in the Bank. This funding should improve as more and more life members join. Different mechanisms have been suggested for opening up for institutional membership. It was decided to have the following structure for the membership fees: Educational Institutions - Rs. 25,000/-, Industry or R&D Organization - Rs.50,000/- and Donors to CRSI - Rs.100,000/-. In this way, one can build up slowly the corpus to enable the CRSI to have its annual meetings without much help from outside. Prof. Rao suggested that one can have a CRSI Newsletter for which one of the secretaries, Prof. Krishnan, indicated that efforts are under way to start a CRSI Newsletter and invited members to contribute to this. He suggested that the first newsletter of CRSI will be out in a couple of months, preferably by March and every year two Newsletters have been planned. Prof. Uday Maitra has been requested to be the Editor of the Newsletter to which he has agreed.

The President invited suggestions from members. Prof. R.C. Mehrotra congratulated the President, Prof. C.N.R. Rao, for starting the Society and also touched upon the poor funding in the universities and how a society like this can articulate to the government in directing their attention to allocate proper budget for improving infrastructure in the Universities. Prof. Samuelson suggested that some important brochures may be brought about the CRSI and perhaps a web site created for CRSI and its activities. The President and the members of the CRSI thanked Dr. Raghavan, Director of IICT, Dr. Kamal, Dr. Yadav and all their colleagues for the excellent arrangements.

The meeting ended with a vote of thanks to the chair. □

**3<sup>rd</sup> CRSI Meeting at Panjab University, Chandigarh  
February 2-4, 2001 (Convener: Prof. B.M. Deb)**



## Highlights of the 2nd National Symposium in Chemistry



The second National Symposium in Chemistry, organized by IICT Hyderabad, was attended by over 350 participants, including a large number of students from all over India. There were six participants from abroad - one each from Portugal and USA, and two each from Germany and UK. Apart from three Lifetime Achievement Medal Lectures, seven Silver Medal Lectures and twelve Bronze Medal Lectures, there were twelve Invited Lectures and over 175 posters. The lectures delivered during these three days covered a wide range of chemistry, including emerging areas overlapping chemistry with materials science and biology. There were three scientific sessions on the first day covering glycomimics, optoelectronic signaling with organic systems, natural products, organogelators, epr of transition metal complexes in zeolites, molecular receptors based on sapphyrins and ruybrins, exited state properties of dye aggregates, studies on film coated electrodes, supramolecular synthons, quantum chaos and synthetic studies on phorbol. On the second day four scientific sessions covered the following areas: heterobimetallic alkoxides, NMR microimaging in multicomponent systems, glycoside and annulated sugar synthesis, silver selective synthetic ionophores, novel chiral ligands based on the P-N-P motif, function of metal ions in metalloproteins, copper (I) carbenes, strongly correlated molecular states, the Baylis - Hillman reactions, hydrogen bonds in biomolecular recognition, and studies on natural products. Finally, the first two scientific sessions on the third and the final day witnessed discussions on studies on cold molecules in supersonic jets, electrically conducting polymers, radiation chemistry, epr of exchange interactions, quantum mechanical results from complex time dynamics, chemical probes for DNA conformation, local descriptors of reactivity. The last scientific session was on the theme "Combinatorial approach for new chemical entities". In this session three lectures on various aspects of combinatorial approach were discussed. On each day, approximately sixty posters, on practically every aspect of chemistry, were displayed. Although the lectures were well attended, there was a general feeling that proper attention could not be given to the posters because of time constraints. Overall, this meeting was a grand success, just like the first one held at Bangalore in January, 1999.

### Awards and Honours received by CRSI Members:

Prof. C.N.R. Rao has been elected Foreign Member, Academy of Sciences of France.

Prof. S. Chandrasekaran has been elected Fellow of the Third World Academy of Sciences.

Prof. R. Ramaraj and Prof. Santanu Bhattacharya were elected Fellows of the Indian Academy of Sciences, 1999.

(please send us important items for inclusion under this heading - Editor)

### Quiz (CRSI members only):

The CRSI logo has five objects inside the map of India. Can you identify all five? If you can, please list them and send the list to the Editor. The first five correct entries will be awarded a cash prize of Rs. 100 each!

### New Membership

For membership applications please write to: Prof. S. Chandrasekaran, Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, Tel: 080-309-2404; Fax: 080-360-0529; Email: crsi@orgchem.iisc.ernet.in.

Annual Membership fee Rs. 200, Life membership fee: Rs. 2000

The Chemical Research Society of India has been granted with effect from 26/01/99 the status of Wholly Charitable Trust (certified under section 12A(a) of the Income Tax Act of 1961).