

HAND BOOK

2014



ACOUSTICAL SOCIETY OF INDIA

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FOREWORD

The primary objective of the Society is to advance the science of acoustics by creating an organization that is responsive to the needs of scientists and engineers concerned with acoustics problems all around the world. It is the continuous efforts of ASI to propagate Acoustics through symposiums and other activities. It also provides opportunities to its members to enhance their knowledge by exposing them to special lectures organized time to time. A research journal, The Journal of Acoustical Society of India (JASI) is a refereed publication published quarterly by the Acoustical Society of India (ASI). JASI includes refereed articles, technical notes, letters-to-the-editor, book review and announcements of general interest to readers.

It is a matter of great pleasure that the first issue of Hand Book of ASI is being published for its Members and others concerned with Acoustics. This document provides information about all its Fellows, Members and Institutional Members. It is also a source of information on constitution, rules and regulations, etc of the Society.

I hope, this Hand Book (first edition; 2014) will help in propagating the aims and objectives of the Society. I am very confident that the Hand Book will be very useful and valuable document for its members.

A team comprising of Dr. Mahavir Singh, Dr. Yudhisther Kumar and Mr. PVS Ganesh Kumar have put all the efforts to bring out this second edition. On behalf of the Executive Council and on my own behalf, I would like to put on record our appreciation for their efforts.

Finally, I thank all the Fellows of ASI in extending their support to update their recent addresses.

Dr. V. Rajendran
President, ASI

PREFACE

Acoustical Society of India published HAND BOOK 2011 in the first time consisting of a list of members along with their addresses, bye-laws other important information related to the Society. The purpose was to have a document for active interaction amongst the members of the Society. The HAND BOOK was found very useful; hence the present Executive Council suggested for updating and publishing of "HAND BOOK-2014", First Edition; 2014.

Efforts have been made to update all the relevant information in this Hand Book. While every care has been taken to incorporate the latest information, there may be some inadvertent errors in a few cases. It is requested that any error or omission may be brought to the notice of the General Secretary, ASI, so that they may be rectified in the subsequent edition.

The editors wish to express sincere gratitude to Dr. V. Rajendran, President, ASI for his constant guidance and valuable suggestions at all stages of publishing this Hand Book. The editors are also thankful to members of the Executive Council for their enormous help and assistance provided by them in collection of various information. The support from all the members of the society is gratefully acknowledged.

The editors welcome suggestions from members for the improvement in the scope and contents of this Hand Book

**Dr. Mahavir Singh
Dr. Yudhisther Kumar Yadav
Mr. PVS Ganesh Kumar**

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INTRODUCTION

The Acoustical Society of India was established and registered at Visakhapatnam on 31 July, 1971 with the major objective of "The advancement of science and technology of all branches of acoustics and the maintenance of high standards in such science and technology; to increase and diffuse the knowledge of acoustics and promote its practical application." The ASI conducts National Symposium on Acoustics every year with a special theme. The ASI brings out the Journal of Acoustical Society of India to disseminate the latest research work in Acoustics among the professionals in the country. To encourage Indian Scientists/ Technologists, the society confers various awards/honours for their best contribution in this field. ASI is an active member of the International Commission on Acoustics (ICA). This Society has broadly four types of membership depending upon their experiences in the field of acoustics as follows:

- i. Honorary Fellow
- ii. Fellow
- iii. Member
- iv. Institutional Member

At present, the society has 15 Honorary Fellows, 250 Fellows, 863 Members, 26 Institutional Members and also 30 local chapters, spread all over the country.

The major activities of the society includes

- **Annual Meeting of the Society :** The Executive Council of the society meet periodically and the General Body meet at least one every year to review the progress of the work and other activities of the society and to prepare action plan for the coming year. Also the election of the office bears of the society are held once in two years during the annual GB meeting of the society
- **National Symposium on Acoustics :** The Society holds every year a "National Symposium on Acoustics" at different parts of the country. Although all branches of Acoustics are covered during this symposium, a special theme is usually selected for major discussion. Both contributed and invited papers are presented in the symposium with participation of delegates from abroad as well.

- **Journal of Acoustical Society of India :** The Journal of Acoustical Society of India (JASI) is a refereed publication published quarterly by the Acoustical Society of India (ASI). JASI includes refereed articles, technical notes, letters-to-the-editor, book review and announcements of general interest to readers.
- **ASI News Letter :** The News Letter is published periodically to inform the members and other interested organizations the on-going activities of the society and other similar bodies.
- **Awards :** To promote the growth of acoustics in the country and to encourage Indian Scientists/Technologists, the society has instituted the following awards:
 - **Sir CV Raman Awards**, which is given every year to the author(s) of the best paper published in JASI during the year.
 - **Dr. S. Bhagavantam Award**, which is presented once in every two years to a distinguished acoustician in the country who has contributed to the growth of the subject and provided leadership over a considerable period of time.
 - **Distinguished Serviced Awards**, which is presented once in every three years to a person who has rendered distinguished services to promote the activities of ASI.

These awards carry a citation and a cash prize.

- **Sir CV Raman Endowment Fund :** The society has instituted a special fund called "Sir CV Raman Endowment Fund" in the Raman Centenary year-1988 to encourage young scientists in the field of Acoustics. This fund will be utilised to support the existing awards for the best paper published in JASI and to institute one award exclusively for young scientists.
- **Chapter Activities :** To ensure wider participation the society has encouraged formation of local chapters in different parts of the country. There are more than 30 such active chapters in India and one each in USA and Canada. These chapters hold periodic conferences, lectures, seminars and educational tours to related industrial units.
- **Professional Groups :** The society has formed professional groups in different branches of Acoustics. These groups prepare status reports, review papers and organise seminars and workshops in identified thrust areas.

- **MS Narayanan Memorial Lecture Award :** The ASI has instituted the MS Narayanan Memorial Lecture. Award from 1994 onwards in order to commemorate the services rendered by Shri MS Narayanan (Vice-President during 1990-92) to the society. Eminent scholars in Acoustics are invited to deliver this lecture during NSA. The award carries a citation and a cash prize. The corpus fund to institute this award was provided by Mrs. Gomathi Narayanan (w/o Late Sh. MS Narayanan) of Chennai.
- **Prof. Rais Ahmed Memorial Lecture Award :** The ASI has instituted the Prof. Rais Ahmed Memorial Lecture. Award from 2002 onwards in order to commemorate the service rendered by Prof. Rais Ahmed, a renowned educationist and speech scientist in the country, (President during 1979-80) to the society. Eminent scholars in the area of Speech, Signal Processing etc. are invited to deliver this lecture during NSA. The award carries a citation and cash prize. The corpus fund to institute this award was collected by the alumini of Aligarh Muslim University.

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ASI AWARDS

I. Prof. S. Bhagavantam Award

For outstanding contribution and leadership provided in the field of Acoustics

1981 - 82	Prof. B. Ramachandra Rao
1983 - 84	Prof. B. S. Ramakrishna
1985 - 86	Dr. M. Pancholy
1987 - 88	Prof. S. K. Kor
1989 - 90	Dr. D. Srinivasan
1991 - 92	Prof. S. Kameswaran
1993 - 94	Prof. E. S. Raja Gopal
1995 - 96	Dr. V. K. Aatre
1997 - 98	Dr. S. PSingal
1999 - 00	Prof. B.V.A. Rao
2001 - 02	Prof. S. Narayanan
2003 - 04	Dr. Baldev Raj
2005 - 06	Dr. M L Munjal , IISc , Bangalore
2007-08	Shri S. Raju
2009-10	Prof. Dr. S.S. Agarwal
2011-12	Dr. V. Bhujanga Rao

2. The Distinguished Service Award

For having rendered significant services to Acoustical Society of India

1981 - 84	Prof. T. Seshgiri Rao
1985 - 87	Shri. K. D. Pavate
1988 - 90	Dr. S. S. Agrawal
1991 - 93	Prof. G. M. Srinivasan
1994 - 96	Dr. (Mrs.) Dipali Nag
1997 - 99	Dr. V. Mohanan
2000 - 03	Dr. Ashok Kumar
2004 - 07	Dr. A. L. Vyas, IIT Delhi
2007-09	Dr. S.H.S. Rizvi
2008-10	Dr. S.H.S. Rizvi
2011-12	

3. M.S. Narayanan Memorial Lectures during NSA

1. Dr. V.K. Aatre (DRDO, New Delhi) 1994
2. Prof. M.L.Munjal (I.I.Sc., Bangalore) 1995
3. Prof. R.N.Iyengar (CBRI, Roorkee)
"Chaos in Vibration & Acoustics" 1996
4. Prof. G.V. Anand (I.I.Sc., Bangalore) 1997
5. Prof. D. Duttamajumder (ISI , Calcutta)
"Current status of research in speech & music in India" 1998
6. Dr. Baldev Raj (IGCAR, Kalpakkam)
"Acoustic emission for material research in austenitic & ferrite alloys" 1999
7. Prof. B. V. A. Rao (VEC, Vellore)
"Machinery Acoustic Monitoring and Near Field Diagnostics" 2000
8. Dr. S. S. Agrawal (CEERI Centre, Delhi)
"Speech Synthesis for Natural Sounding" 2001
9. Dr.S.P. Singal (NPL, New Delhi)
"A Historical Review of Propagation of Sound in Atmosphere: An Introduction to Acoustic Sounding (SODAR)" 2002
10. Dr. M. Ravindran (NIOT, Chennai)
"Acoustic Instrumentation for Oceanography" 2003
11. Dr.V. Bhujanga Rao (NSTL, Vizag)
"Latest Trends in Shock and Vibration Research in India" 2004
12. Sh. S. Raju (ARAI, Pune)
"Advances in Automobile Acoustics" 2005
13. Dr. S. Kathiroli (Director, NIOT)
"Underwater Acoustics Studies at NIOT" 2006
14. Dr. S. Narayanan (IIT, Chemmai)
"Smart Structures in Vibration and Noise Control" 2007
15. Shri. Ananthanarayanan (Director, NPOL, Kochi)
"Sastistical- An Overview" 2008
16. Dr. Dhanesh N Manik (Professor, IIT Mumbai)
"Statistical Energy Analysis (SEA)" 2009
17. Dr. T. Jai Kumar (Scientist 'G', IGCAR, Kalpakkam)
"Role of Acoustic Techniques for Structural Integrity of Plant Components" 2010
18. Prof. Dr. RR Yadav (Head, Physics Dept, Allahabad University, Allahabad) "Ultrasonics in Nanoscience and Technology" 2011

19. Dr. D.D. Ebenezer (Scientist 'G', NPOL, Kochi)
 "Acoustics of Fluid Structure Interaction" 2012
20. Dr. M. G. Prasad (Professor and Director, Noise and Vibration Control Laboratory, Department of Mechanical Engineering, Stevens Institute of Technology, New Jersey, USA)
 "Acoustics of Chants, Conch-shells, Bells and Gongs in Hindu Worship Spaces" 2013

4. Prof. Rais Ahmed Memorial Lectures during NSA

1. Dr. S. S. Agrawal (CEERI, Delhi)
 "Speech Research: The Legacy of Prof. Rais Ahmed " 2002
2. Prof. P. V. S. Rao (Tata Infotech, Mumbai)
 "Indian Scientists in Speech Research & technology" 2003
3. Dr. M. Jayaram (AIISH , Mysore)
 "The Challenges Before Acousticians " 2004
4. Prof. Anandapadmanabha (MSARS, Bangalore)
 "Acoustic Analysis of Voice - A Review" 2005
5. Shri V. Chander (Director. NPOL, Cochin)
 "Signal Processing in Water-Evolution, Challenges & Opportunities" 2006
6. Dr. Dipali Nag (Advisor, ITC Sangeet Research Academy, Jolkota)
 "Music Education as Performing Art and Its Cultural and Cognitive impact" 2007
7. Dr. K. Samudra Vijaya (Scientist, TIFR, Mumbai)
 "Unconventional Speech Signal Processing" 2008
8. Dr. A.R. Mohanty (IIT, Karagpur)
 "Sound Quality-A, Engineering Design Tool for Noise Control Engineers" 2009
9. Prof. K.K. Paliwal (Griffith Univ., Australia)
 "Usefulness of Phase Spectrum in Speech Processing" 2010
10. Dr. SR Savithri (Director, AIISH, Mysore)
 "Speech Rhythm in Kannada Speaking Children" 2011
11. Prof. Dr. Hema A Murthy(IIT, Chennai)
 "Group delay processing of speech signals" 2012
12. Prof. S. Umesh (IIT, Chennai)
 "Automatic speech recognition and its social applications" 2013
13. Dr. Lakshmi Venkatesh (Dr SR Chandrasekhar Institute of Speech and Hearing, Bangalore) "Perceptual and acoustic correlates of stress production: observations from young children using cochlear implants" 2013

5. Sir C.V. Raman Award

For THE BEST PAPER published in J. Acoustical Society of India

- 1. 1978-79**
V.C.Padaki, M.S. Shaila, A. Sivaraman, H. Sharat Chandra, M.A. Viswamitra & E.S. R. Gopal (I.I.Sc., Bangalore)
Ultrasonic study of chromatin and DNA solution at High Pressure upto 3 kbar. JASI, 7 (2) 47-51, 1979
- 2. 1980-81 V.B. Paniker & M.L.Munjal (I.I.Sc, Bangalore)**
Acoustic dissipation in a uniform tube with moving medium JASI, 9(3), 95-101, 1981
- 3. 1982-83 B.M. Banerjee, S. Sengupta, R. Sengupta, Dipali Nag (SRA, Calcutta), A.K. Dutta, N.R. Ganguli, B. Mukherjee & D. Dutta Majumdar (ISI, Calcutta)**
Spectral characteristics of vowels sung in Hinustani shastriya sangeet JASI, 11(4), 47-55, 1983
- 4. 1984-85 V.A. Thomas & S.Durvasula (ISRO, Bangalore)**
Passive vibration isolation system for Bhaskara spacecraft instrumentation packages, JASI, 12(1), 33-48, 1984.
- 5. 1986 K.R. G.K. Murthy, G.R.K. Murthy & M.M. Muni (NPOL Cochin)**
Acoustic aspects of sea floor and bottom sediments of the continental shelf off Cochin JASI, 14(2),21-29,1986
- 6. 1987 S.P.Singal,S.K.Agarwal, D.R. Pahwa & B.B.Adiga (NPL, New Delhi)**
Monitoring sea breeze circulation at Tarapore using acoustic sounding JASI, 15(1),175-181,1987
- 7. 1988 Baldev Raj,P. Kalyanasundaram,T.Jayakumar, P.Bharat & G. Ananthakrishana (IGCAR, Kalpakkam)**
Amplification of weak acoustic emission signals JASI , 16(3/4).232-236,1988
- 8. 1989 V.N. Bindal, T.K.Saksena, M.Chandra & R. Gupta (NPL,New Delhi)**
Development of a parametric acoustic source for underwater applications JASI, 17(1/2) 214-228,1989

- 9. 1990 T.V. Anandapadmanabha & H.N.Jayasimha (Voice & Speech Systems, Bangalore)**
Front end processor for automatic speech recognition JASI, 18(3/4), 156-163, 1990
- 10. 1991 G.V. Anand, S.Sharat Chandra (IISc., Bangalore)**
Topographic reconstruction of acoustic source distribution in a shallow ocean JASI, 19(4), 90-103, 1991
- 11. 1992 U.S.P. Shet, K. Ramanath, S. Swarnamani & B.V.A. Rao (IIT, Madras)**
Combustion noise of LPG free-jet from a nozzle- mix swirl burner JASI, 20(1-4), 11-15, 1992
- 12. 1993 A. Sada Siva Sarma, P.K. Dhanrajani, R. Chitra, A.K. Dhamija & S.S. Aggarwal (CEERI, Delhi)**
Acoustic-phontic analysis of spoken Hindi consonants JASI, 21(2), 144-149, 1993
- 13. 1994 M.K. Murlidharan, N. Tandon & B.C. Nakra (IIT Delhi)**
Some investigation on gear noise JASI, 22(2), 113-118, 1994.
- 14. 1995 M. Thavasimuthu, C. Rajagopalan, P. Kalyanasundaram and Baldev Raj (IGCAR, Kalpakkam)**
A neural network classifier for high sensitivity classification of weak ultrasonic signals JASI, 23(3), 139-145, 1995.
- 15. 1996 K. Jayathirtha Rao, G. Krishna Rao, K. Jagadisan and P. Ramachandran (RCI, Hyderabad.)**
Design and construction of high intensity acoustic facility for testing of guided missiles JASI, 24, I-14.1 -14.7, 1996.
- 16. K.P. Ramachandran A. Ramachander, S.M. Murigendrappa and M. Vasantha Kumar (S.J.C.E., Mysore)**
(Jointly awarded to three papers by common authors)
i. Condition monitoring of machinery using vibration signature analysis JASI, 25, I-1.1- 1.6, 1997
ii. Expert system in vibration monitoring and analysis JASI, 25, I-9.1- 9.7, 1997

- iii. Failure prediction of single point cutting tool for turning operation using vibration technique JASI, 25 , I-10.1 - 10.6, 1997.
- 17. 1998 Jointly awarded to two papers A.K. Mukhopadhyaya, S.K. Dalui, M. Raychaudhuri (CGCRI, Calcutta), R. Sengupta, N. Dey, B.M. Banerjee, Deepali Nag (SRA ,Calcutta), R. Bhar, D. Ghosh (Jadavpur University, Calcutta) and A.K.Datta (ISI, Calcutta)**
Charaterisation of Materials for Indian Tanpura JASI, 26 (I-4), 372-381, 1998.
- i. Thomas D. Rossing (Northern Illinois University, USA) and we J Hansen (Indiana State University, USA) Modal Analysis of musical instruments with electronic TV Holography JASI ,26(I-4),366-37, 1998.
- 18. 1999 Y.V. Shiva Prasad, C. Padmanabhan and N. Ganesan (IIT, Chennai)**
Acoustic, structural and coupled frequencies of a refrigerator compressor JASI,27,141-144 ,1999.
- 19. 2000 S.R Savithri (AIISH, Mysore)**
Acoustics of laughter, JASI, 28, 233-138 , 2000.
- 20. 2001 A.P. Singh, M.R. Bhatia, Neeru Kapoor & W. Selvamurthy (DIPAS, Delhi)**
Effect of chronic exposure to hand transmitted vibration in man JASI, 29(1), 463-470,2001.
- 21. 2002 Jointly awarded to two papers**
1. K.Samudravijaya & Anshu Gupta (TIFR, Mumbai)
Text prompted speaker verification JASA, 30(2-4), 388-392,2002
 2. T.K. Mani & P.R. Saseendran Pillai (CUSAT, Kochi)
The acoustics of raindrop impact on water surface JASA, 30 (I-2), 214-217,2002

- 22. 2003 D.J. Kalsule, S.D. Wagh & S. Raju (ARAI, Pune)**
Performance evaluation of hemi-anechoic test facility of ARAI and its utility in NVH refinement programme JASI, 31 (226-235), 2003.
- 23. 2004 V. Mohanan, Omkar Sharma & Mahavir Singh (NPL, India)**
Absolute calibration of standard condenser microphones JASI, 32, 97-104, 2004.
- 24. 2009. T.S.S. Narayana and M.L. Munjal (IISc, Bangalore)**
A novel method for measurement of Acoustic four-pole parameters: Theory and experiment, JASI, 34, 13-24, 2007.
- 25. P.V.S. Ganesh Kumar, V. Rama Mohana Rao and V. Ramesh Babu**
Prediction of underwater radiated noise from a floating barge with flexibly mounted air compressor, JASI, 35(3), 121-125, 2008.
- 26. S. Sadashivan, Tom Basten and Hans Elias de Bree**
Acoustic vector sensor based intensity measurements for passive localization of small aircraft, JASI, 36(1), 8-13, 2009.
- 27. 2009 S Sadashivan, Tom Basten and Hans-Elias de Bree (ADE, Bangalore, TNO & Microflown, Netherlands)**
Acoustic Vector Sensor Based Intensity Measurements for Passive Localisation of Small Aircraft, JASI, 36 (1), 14-19, 2009
- 28. 2010 Aravind Kumar Pathak (RCI, Hyderabad)**
Design of a Single Cell of Captive Micro-Machined Ultrasonic Transducer (CMUT) JASI, 37 (4), 153-160, 2010
- 29. 2011 Jointly awarded to two papers**
- 1. Bhanuprakash Ila, Chandramouli Padmanabhan, (IIT, Chennai)**
Vibro-acoustic analysis of Enclosure with louvers, JASI, 38(2), 72-76, 2011
 - 2. Paresh Shravage, Manasi Joshi, SK Jain and NV Karanth, (ARAI, Pune)**
Simulation and Validation of Sound Absorption Coefficient Measured in a Reverberation Room, JASI, 38(2), 53-58, 2011

MAJOR EVENTS AND ACHIEVEMENTS OF THE SOCIETY

Month/Dates	Year	Centre	Convenors	Theme
Nov. 10-15	2013	CSIR-NPL New Delhi	Dr. Mahavir Singh	Technologies for a Quieter India (Acoustics 2013 New Delhi)
Dec. 05-07	2012	KSR Inst. for Engg. & Tech., Tiruchengode	Prof. V Devebharathi	Condition Monitoring
Nov. 17-19	2011	Bundelkhand University, Jhansi	Dr. S.K. Shrivastava	Noise Pollution & Its Control
Nov. 11-13	2010	Govt. PG College, Rishikesh	Dr. R.K. Upadhyay	River Water Acoustics and Bio-Acoustics
Nov. 26-28	2009	RCI, Hyderabad	Sri L. Jagadisan	Vibro-Acoustics of Aerospace Structures
Dec. 22-24	2008	NSTL, Vizag	Dr.N.S. Naidu	Quieter Technologies
Dec. 5-7	2007	KSRCT, Tiruchengode	Dr.V.Rajendran	Sono Chemistry for Nano- industrial Application
Nov. 15-17	2006	NPL, New Delhi	Dr. V. Mohanan	Noise Control
Dec. 14-16	2005	NAL, Bangalore	Dr.R. Moodithaya	Aero-acoustics
Nov. 25-27	2004	SJCE, Mysore	Sh. R. Srinidhi	MEMS Technology & Active Noise Control
Oct. 30-Nov.1	2003	ARAI, Pune	Shri. S. Raju	Automotive NVH

Oct. 22-24	2002	Dept. of Physics, Z.H. College of Engg. & Tech. Aligarh Muslim University, Aligarh	Prof. S.H.S.Rizvi	Ultrasonic Applications
Oct. 18-20	2001	Vellore Institute of Technology	Prof. B.V.A.Rao	Architectural Acoustics & Acoustical Materials
Nov.22 - 23	2000	St. J.C. Tiruchirappalli	Dr. M. Kalidoss	Research & Application inconditioning monitoring using acoustical methods
Sept. 23 - 24	1999	M.S.E.C., Sivakasi	Dr. V. Rajendran	Recent trends in Material Characterization & Acoustic transducers
Dec. 9 - 11	1998	I.A.C.S. , Calcutta	Dr. Dipali Nag	Speech, Music & Noise pollution
Oct. 6 - 8	1997	NSTL, Visakhapatnam	Dr. V. Bhujanga Rao	Machinary vibration Condition monitoring
Nov. 11 - 23	1996	R.C.I., Hyderabad	Dr.K.Jayathirtha Rao	Engg. Acoustics and its impact on flight vehicles & Industrial Research
Dec. 21- 23	1995	N.P.L., New Delhi	Dr. V.K.Aatre Dr. S.S.Aggarwal	Silver Jubilee of ASI
Dec. 15 - 16	1994	IGCAR, Kalpakkam	Dr Baldev Raj Sh.R.Prabhakar	Acoustic as a diagnostic tool in Nuclear Research
Nov. 25 - 26	1993	Sir MVIT, Bangalore I.I.T. Madras	Prof. M.L.Munjal Prof. B.V. A. Rao	Quieter Technologies

Dec. 13 - 14	1992	I.I.T. Madras	Prof.B.V.A. Rao, Prof S. Narayanan
Oct./Nov. 30 - 11991	N.P.L., New Delhi	Sh. K.D. Pavate, Dr. S.S.Agarwal	
Nov. 7 - 10	1990	CUSAT, Cochin	Dr. V.K.Aatre Ocean & Geoacoustics
Dec. 14 - 16	1989	S.R.A., Calcutta	Dr. Dipali Nag Acoustical & Phychological coorelates of Speech and Music
Oct. 25 - 28	1988	I.I.Sc., Bangalore	Prof.E.S.R.Gopal Sir C.V.Raman Centenary
Dec. 27 - 30	1987	St.J's College,Trichy	Prof.G.M. Srinivasan Application of Ultrasonics and NDT
Dec. 09 - 12	1986	I.I.T., Bombay	Prof.P.V.S.Rao Prof.B.K.Basu Acoustic Signal Processing
Dec. 20 - 22	1985	I.I.T. , Madras	Prof.S.Kameswaran, Acoustics and its Prof.B.V.A.Rao Biological effects
Dec. 10 - 12	1984	I.I.T., Kharagpur	Prof. R. P. Singh Acoustical Investigation of Materials
Nov. 11 - 13	1983	I.I.Sc. , Bangalore	Prof.E.S.R.Gopal 60th Birth Day of Prof.B.R.Rao
Sept. 23 - 25	1982	N.P.L. , New Delhi	Shri. K. D. Pavate Architectural Acoustics
October	1981	Cochin University	Dr. V. K. Aatr
October	1980	Allahabad University	Prof. S. K. Kor
Oct. 12 - 14	1979	Osmania Univ., Hyderabad	Prof T. Seshagiri Rao

Dec. 28 - 31	1978	M.S. University, Baroda	Dr. P. Aggarwal	Applications of Acoustics& Ultrasonics
January	1978	I.I.Sc., Bangalore	Prof.B.S. Ramakrishna	Speech & Hearing
January	1977	R.R.L., Bhubaneswar	Dr. S.C. Srivastava	
January	1976	Andhra University, Waltair	Prof K. Subha Rao	
January	1973	Punjab Univ., Chandigarh	Prof. S. S. Bhatti	
Mar. 28 - 29	1972	N.P.L., New Delhi	Dr. M. Pancholy	Noise Pollution
January	1971	Andhra University, Waltair	Prof.K.Subbarao	Acoustics in Education

RULES AND REGULATIONS

Article I

TITLE

I. Name of the Society

Acoustical Society of India

2. Location

Physics Deptt., Osmania Univ., Hyderabad.

3. Membership

Membership of the Society shall be open to all persons and organization interested in the advancement of Acoustics in India both within and outside the country.

The Society shall be called THE ACOUSTICAL SOCIETY OF INDIA and the Executive Council shall provide a common seal of the Society and make rules for safe custody and use thereof.

Article II

INTERPRETATION

4. In the interpretation of these Rules and Regulations unless repugnant to the content.
- 4.1 The singular shall include the plural and the masculine the feminine and vice versa and writing shall include printing, lithograph, typing or any other substitute for writing.
- 4.2 'Society' shall mean the Acoustical Society of India.
- 4.3 'Council' shall mean the Executive Council.
- 4.4 The President means "the President of the Society"
- 4.5 The Vice-President means "the Vice-President of the Society".
- 4.6 The Secretary means, "The Honorary Secretary of the Society"
- 4.7 The Joint Secretary means, "the Joint Secretary of the Society".
- 4.8 The Treasurer means, "the Honorary Treasurer of the Society".
- 4.9 The Editor in Chief. Means, the Editor-in-Chief, "the Journal of Acoustical Society of India".
- 4.10 The "Editor" means, "Editor of other regular and special publications of the society".

- 4.11 The “Local Chapter” means the “Local chapter of the Society”.
- 4.12 The “Chapter Chairman” means the “Chairman of the local chapter of the society”.
- 4.13 The “Group” means, ‘the group of members interested in specific branches of acoustics and acoustical technology.’
- 4.14 The “Convener means,” the Convener of the Group.”
- 4.15 The “Office” means, “the headquarters of the Society for the time being.”
- 4.16 The “Member” means, the member of the Society of good standing and include all categories of members”.
- 4.17 The “Month” means, “The month according to Gregorian calendar”.

Article III

MEMBERSHIP

- 5. The membership shall consist of Fellows, Members, Honorary Fellows, Patrons, Sustaining Members, Institutional Benefactors, Student Members.

Members

- 6.1 Candidates for admission as members should have a bachelors degree with 3 years of experience in teaching/research in acoustics or be holding a responsible position in an industry. These requistes may be relaxed at the discretion of the Council in exceptional cases.

Fellows

- 6.2 Fellowship of the society shall be open to all persons with graduate or equivalent qualifications. They should have in addition at least ten year of experience.

Honorary Fellows

- 6.3 Honorary Fellows shall be those who by virtue of their outstanding services rendered towards the attainments of the objectives of the Society deserve special recognition by the society.

Patrons

- 6.4 Any person contributing not less than Rs. 2,000/- to the Society could be admitted to be a patron of the Society.

Sustaining Members

- 6.5 Any firm, organization institution, which contributes not less than Rs. 5000/- to the society could be admitted b the Council to be a sustaining members of

the Society. Sustaining members shall be partnership firms or companies who are interested in or connected with acoustic industries and whose admission the Council considers would be conducive to the interests of the society.

Institutional Benefactor

- 6.6 Any institution trust or foundation which contributes not less than Rs. 25000/- to the Society could be admitted as a institutional benefactor.

Student Members

- 6.7 Any bona fide student of a recognised university or college is eligible for student membership but before admission he/she should be duly certified by the Principal/Head of the Deptt. No. employee is entitled to become a student member.
- 7.1 Application for admission of all category of members shall be made on prescribed form available from the office of the Society or from the local chapters. Every application shall be proposed and seconded by a member of the Society.
- 7.2 The Executive council shall have the right to refuse admission to any application without assigning any reason.
- 7.3 If admission fee and annual subscription are not paid within one month of the candidate being notified of the admission, the Executive Council may use its discretion to cancel the admission.

Article IV

TERMINATION OF MEMBERSHIP

Membership of the Society shall cease

- 8.1 By voluntary resignation as from a specified date, by giving one month's notice in writing to the Honorary Secretary. Such resignation shall not be effective until the dues to the Society are cleared.
- 8.2 If any member of the Society shall leave his/her subscription in arrears for one year from the date it becomes due and shall fail to pay such arrears within one month after a written demand by the Secretary, his/her name shall be struck off the register of members and he/she shall thereupon cease to be a member. The Council shall have right to terminate the membership of any member provided a resolution of termination of membership shall be passed by a 2/3 majority of those present at the meeting of the Council.

A member desiring to resign shall send a written communication to the Secretary, who shall report it to the Council which may accept and announce the resignation provided the dues and other indebtedness of the member have been paid up to the time of mailing of his/her resignation and he/she is then deemed to have resigned “in good standing” and if subsequently these members wish to join the Society, again, no admission fee should be charged.

8.3 It may also be terminated due to :

- (i) Death.
- (ii) *Ipsso facto*.
- (iii) Upon sentence after conviction in a court of justice of any crime involving moral turpitude.
- (iv) Upon being deregistered or censured by a professional body on ground of unethical conduct, for the duration of deregistration.,

8.4 Upon forfeiture, through misconduct, of the qualification by virtue of which the member was eligible for membership.

8.5 The Council may expel from the Society any Society any members whose conduct is such as shall, in the opinion of the Council, be injurious to the character and interests of the Society or under him unfit to be a member of the Society. Before a member is expelled, his conduct shall be inquired into by the Council and he shall be given an opportunity to justify or explain his conduct. If two-thirds of the members of council present when the matter is inquired into are of the opinion that expulsion is warranted the Council may call upon the member to resign, and if he does not resign may expel him for membership and remove his name from the Register, providing always tat a member so expelled shall have a right of appeal to the members in general meeting and the members present at such meeting shall decide by a two-thirds majority of those present on secret ballot whether the Council's decision to expel the member shall decide by a two-thirds majority of those present on a secret on a secret ballot whether the Council's decision to expel the member shall be confirmed or denied.

Article V

SUBSCRIPTION & FEES

9. The annual subscription shall be as follows : -

Admission Fees	Rs. 200
Fellows / Members	Rs. 2000

Foreign Fellows Members ;

Admission Fees	\$ 10-00
Subscription	\$ 20-00 per annum
Honorary Fellows	No admission fees and no subscription
Patron	Rs. 2000-00 and above
Institution benefactor	Rs. 25000
Sustaining members	Rs. -
Student members	Rs. -

Subscription shall be due on 31st March every year and shall be payable in advance. Honorary fellows shall be free of subscription.

A member who has held membership for five years and has attained the age of 60 years or a member who has paid ten years annual fees at a time may of membership for life with all attached privileges. Such members shall be exempted from payment of further fees.

All the members must abide by the code of ethics of the Society.

Article VI

FINANCIAL YEAR

10. The financial and official year of the Society shall be of 12 months commencing from 1st April of the year to 31st March of the next calendar year. The membership fees shall be for financial year.

Article VII

RIGHTS AND PRIVILEGES

11. Members of the Society shall have the following rights and privileges :

11.1 To contribute a paper for presentation at the annual session or any special symposia, conference, seminar or workshop organized by the Society.

- 11.2 To receive free of charge the journal of the Acoustical Society (JAS) and the News letter of the Society (ASI News) and any other priced publication at a concessional rate as determined by the Council from time to time.
- 11.3 To fill any office of the Society on being duly elected thereto.
- 11.4 An honorary member shall have all the rights and privileges of a member but shall not be eligible to hold any office except that of President.
- 11.5 Sustaining members shall be eligible to nominate a person eligible to be a member as its representative to attend to annual session during the currency / their membership. He shall have all rights and privileges of a member. A patron shall have all rights and privileges of a member during their life time.

Article VIII

MEETINGS

- 12. The meeting of the Society shall be as follows :
 - 12.1 Ordinary meetings for the reading and discussion of papers on acoustics and allied subjects and for lectures and discussions on these subjects.

General body meetings

Local Chapter meetings

Extraordinary General body meetings

- 12.2 The business of the General Meetings shall be to receive and consider the report of the Council and the accounts of the Society since the preceding General body meetings to appoint auditors, and to transact any other business of which notice in writing shall have been given to the Secretary at least 60 days before such meeting –
- 12.3 The general meeting of the Society shall be held at a time and place to be notified by the secretary and such meetings shall be held within two years of the previous one unless the Executive Council, by a majority, resolves otherwise.
- 12.4 The secretary shall give at least two months' notice of the General body meeting.
- 12.5 The time and place of the General body meeting shall be decided by the Council
- 12.6 For attending to the needs and requirements of the General body meeting the Executive Council may appoint a Local Secretary.
- 12.7 The quorum at General body meeting shall be twenty-five. If within half an hour of the appointed time no quorum is present, the meeting shall stand adjourned. However, for next meetings where no quorum is required, the

President can hold/adjourn the meetings at his discretion after half an hour of the appointed time. The guidelines for holding the local chapter meetings are given in Annexure I. The guidelines for holding the Group meetings are given in Annexure II.

- 12.8 An Extraordinary General body meeting may be called at any time by the Council for any specific purpose relating to the direction and management of the affairs of the society and the council shall at all times call such a meeting on a requisition, in writing, of not less than (twenty-five) members of the society, specifying the general nature of the business to be transacted. The quorum for such meetings shall be twenty-five.
- 12.9 At any General or Extraordinary General body meeting on a show of hands every member present in person shall have one vote. In the case of a postal ballot every member shall have one vote.
- 12.10 A postal ballot may be directed by the Chairman of any General or Extraordinary General body meeting or may be demanded by any ten members personally present and if so demanded be taken in such a manner and at such a time within twenty-eight days next after the meeting and at such a place as the Chairman of the meeting directs and the result of the postal ballot shall be deemed to be the resolution of the meeting at which the postal ballot was demanded. The fact that a postal ballot demanded shall not prevent the continuance of the meeting for the transaction of any business other than the question on which a postal ballot has been demanded.

Article IX

MANAGEMENT

The Management of the Society shall vest in an Executive Council which shall consist of following officers of the Society.

1. President	5. Treasurer
2. Vice president	6. Editor-in-chief
3. Secretary	7. Immediate past president
4. Joint Secretary	8. Four Elected Members

A vacancy in the office of the president shall be filled by the Vice emoluments from the society either as officer or in any other capacity, unless authorized either by the bye laws or by a vote of the majority of the entire Council.

No revision or amendment of this constitution shall affect the tenure of office of any duly elected and Treasurer, shall be from the headquarters.

The Secretary and Treasurers, shall be from the headquarters.

Article X

ELECTION

13. Term of Office – The term of officers shall be two years.

14. Election of Officers

- 14.1 In selecting the candidates for the President and vice President, the members shall ordinarily be limited in their choice to persons who shall have been members of the Council at some period prior to their nominations and their choice shall be confined to members who have been active in promoting the objectives of the society.
- 14.2 The secretary shall issue a notice to all members in the first week of July of every odd year informing the dates and events of the annual general body meeting and invite nominations for all the office bearers and members of the Executive Committee, giving 15 August as last date. All valid nominations of good standing will be placed by the Secretary before the Council meeting at the annual general conference.
- 14.3 The Executive Council shall scrutinize the nominations for the officers and members of the Council for election by the General Body by either voice at the general body meeting or by ballot if demanded. The President or in his absence the Presiding Officer shall be entitled to a vote. If the votes are equal, he shall have a second casting vote.
- 14.4 President and Vice President, after expiry of the full term of office to which they were elected, will be ineligible for immediate election to the same office. The Secretary, Joint Secretary and Treasurer may be re-elected once to the same office but they cannot be re-elected to serve a third or subsequent term for the same post until after a period of two years has elapsed since the last term in such office.
- 14.5 Honorary Fellows shall be elected as follows: The list of nominations shall, in the first instance, be scrutinized by the Council and a statement of the number of vacancies proposed to be filled and a balloting paper in which the names recommended by the Council are shown shall be sent to the members one month before the annual meeting. Voting shall be by postal ballot. It will be open to any member to delete from the balloting list any of the names recommended by the Council as also to substitute in their place any other names from the list of valid nomination circulated to the members previously.

The number of honorary members shall not at any time exceed ten and not more than two shall be elected in any year.

Article XI

MEETINGS OF EXECUTIVE COUNCIL

15. The affairs of the Society shall be managed by the Executive Council hereinafter called the Council consisting of, President, Vice President, Secretary, Joint Secretary, Treasurer, Editor-in-Chief, past President (ex-officio) and four members all duly elected at the Annual General meeting in every odd year.
16. The Council hold a regular meeting immediately preceding each annual general meeting of the Society. Between the said meeting or by requisition of embers of the Council.
17. In the absence of President, Vice President will preside over the meeting. In the absence of both, the President and the Vice-President, members present may elect any one of the members present to preside over the meeting.
18. On all matters other than amendments to bye-laws decision are taken by simple majority. In the event of a tie, presiding officer will have a casting vote.
19. The agenda for the annual meeting or any other meeting of the Council shall be prepared by the Secretary (or in his absence by the Joint Secretary) and approved by the President (or in his absence by the Vice-President) before it is circulated all members.
20. Secretary shall invite suggestions from members of the Council for consideration at the proposed meeting.
21. At the request of the President, matters requiring action by the Council may be discussed and voted upon by circulation.
22. The Council shall prepare the bye-laws which govern its meeting and its procedures. It shall required two-third vote of the whole Council to adopt or amend the bye-laws. The text of the proposed amendments or new bye-laws be circulated to all members of the Council at least ten days before the meeting.
23. The Council shall engage a competent Chartered Account to audit the current accounts and financial statement prepared by the Treasurer of the Society. The audit report shall, besides giving a detailed account of the income and expenditure of the year under audit, also contains a balance sheet of assets and liabilities as at the end of the year.
24. The Council shall examine the audited statement of the accounts along with the recommendation of the Treasurer and taken such action as may be proper with respect to the report. The report shall be printed in the first number of the journal for next year.

25. The proceedings of the Council meeting shall be taken during its progress by the Secretary and in his absence by the Joint Secretary or Treasurer. The minutes shall be entered in a minutes book and signed by the President after approval. The minutes shall then be circulated to all members of the Council giving one month time for any corrections. The minutes will be confirmed by the Council at the next meeting.
26. Five members of the Council shall form the quorum

Article XII

POWERS AND DUTIES OF COUNCIL

27. The Executive Council shall be responsible for the general management of the affairs of the Society and shall be the financial and business instrument of the Society. It is a body to which all office bearers of the Society shall report the Society. It is a body to which all office bearers of the Society shall report and are immediately responsible. In general, its duties shall be executive and it is empowered to perform all such duties as set forth elsewhere in the Rules and Regulations.
28. All resolutions of the Executive Council shall be reported at the ensuing general meeting. Its actions in all matters shall also be reported to the General Meeting for information.
29. The property of the Society shall be in the possession of the General Secretary and treasurer. The Executive Council shall have power to invest and deal with the money of the Society and to borrow such sums of money as it may resolve as tending to benefit the Society. All such transactions must be brought to the notice of the General Body of the Society at its immediate next meeting. The Executive Council have full power of control and management of the affairs and the property of Society and to engage such officials servants or other persons as may be found necessary for proper conduct and management of the affairs of the Society.

30. Powers and duties of President are :

- 30.1 To preside over the Council, General Body and to regulate the proceedings at such meetings.
- 30.2 To ensure that in the conduct of the affairs of the Society all Rules and Regulations are adhered to.

- 30.3 To give a ruling regarding the rules and Regulations in case of doubt in their interpretation.
- 30.4 To be an ex-officio member or chairman of all Committees appointed by the Executive Council.
- 30.5 Fixing the date and time of meeting of the Executive Council giving twenty days notice.
- 30.6 To appoint an adhoc Committee subject to the approval of the Council.

31. The powers and responsibilities of the Vice President are :

- 31.1 To carry out duties assigned by the Executive Council.
- 31.2 To preside over all executive council and general body meetings of the Society in the absence of the President.
- 31.3 To assume all the duties and responsibilities of the president in case of his death, disability or absence from fulfilling duties.

32. The powers and duties of he Secretary are :

- 32.1 To conduct the affairs of the Society in accordance with the rules and regulations of the society provided that some of the powers and duties be delegated to Joint Secretary, or any other members of the Executive Council with its consent.
- 32.2 To record or cause to be recorded the proceedings of the meeting of the Society during their progress and to be guardian for all records of the Society.
- 32.3 To exercise general supervision over the office including the staff.
- 32.4 To be an ex-officio member of all committees and boards constituted by the Executive Council.
- 32.5 To look after publication, sale and dispatch of journals, newsletters, publications of the society and to report to the Executive Council at the next meeting for information.
- 32.6 All funds expended in the secretarial duties shall be under the control of the Secretary who shall be responsible to the Council for the proper dispensing with the funds.
- 32.7 To present a report of the activities of the Society such as membership local chapter activities, proposals from members regardings amendments to rules, international events, symposia organized, etc. along with a general summary of work and condition of Society before the annual meeting of the Executive Council and make such recommendations to advance the interests of the Society.

33. The powers and duties of Joint Secretary are :

- 33.1 To discharge the duties of the Secretary in his absence.
- 33.2 To discharge such of those duties of the Secretary delegated to him by the Executive Council.
- 33.3 To discharge any special task entrusted to him by the Executive Council.
- 33.4 To be a member of such of these committees and boards appointed by the Executive Council as decided by it.

34. The powers and duties of the Treasurer shall be :

- 34.1 To open or more accounts in any scheduled bank at headquarters, in the name of the Society.
- 34.2 To operate the bank accounts jointly with the Secretary.
- 34.3 To receive and add on behalf of the Society and for its use all moneys received by the Society, to collect all dues from members, to disburse all sums due; and to keep accounts for all receipts and disbursements.
- 34.4 To prepare all accounts along with vouchers of receipts and disbursements of the previous year and get them audited and submit the audited statement to the Executive Council for examination ; to report on the condition of finances of the Society and make such recommendation as will in his opinion tend to safeguard or improve the same.
- 34.5 To keep separate accounts of funds placed at the disposal of the Society for a specific purpose by Government Agency or any individual or organization in a separate account and render account to that organization after the task is completed.
- 34.6 To keep in fixed deposits certain endowment funds for prizes and awards and utilize the amount as required for the purpose. Any unutilized amount should be added to the corpus.
- 34.7 To be an ex-officio member of all committees and boards appointed by the Executive Council.

Article XIII

GENERAL OFFICE

35. The Society shall maintain an office which shall serve a permanent repositor for the Society records, keep current membership list and function in appropriate ways to facilitate the work of the office bearers and committees in the administration of policies and activities of the Society. The office shall also submit necessary reports, returns etc.

36. The Treasurer shall maintain a true and accurate account of all sums of money received and expended by the Society, all sales and purchase of the Society and all assets and liabilities of the Society. At each General Meeting, he shall present to the members of the Society an account of income and expenditure for preceding financial year/years since the last report together with a balance sheet.
37. A register shall be maintained at the office of the Society showing the full names, address and occupations of the member, the date of his election and such alterations as occasion shall require and members shall request.
38. On or before the fourteenth days succeeding the days on which the General meeting of the Society is held, the Secretary shall file with the Registrar a List of names, address and occupations of the members of the Executive Council then entrusted with the management of the affairs of the affairs of the Society and a copy of the Balance Sheet and Income and Expenditure Account.
39. The Secretary and Treasurer shall sign all cheques, notes, bills and other negotiable instruments unless the General Body by a resolution passed by a three-fourths majority decides otherwise.
40. To tide over any emergency, the Secretary in consultation with the President may delegate the duties and functions of any office bearer to any other member of the Executive Council.
41. All documents relating to conveyances and contacts shall be signed by the President on behalf of the Society.
42. Allocation of the finances of the Society on various activities shall be decided by the Executive Council from time to time.

Article XIV

ACCOUNTS

- 43.1 The Society shall cause proper books of account to keep with respect to All sums of money received and expended by the Society.
All sales and purchases of the Society.
All assets and liabilities of the Society.
- 43.2 The books of account shall be kept at such place as the Council shall determine.
- 43.3 At each General meeting the Council shall present to the members an account of income and expenditure for the preceding financial year/years since the last report together with a balance sheet.

- 43.4 The balance sheet shall be accompanied by the report of the Council and a report of the auditors, a copy of which shall be sent to all members of the Society not less than fourteen days before the due date of the General Meetings.
- 43.5 The Council shall have the accounts of the Society examined and audited by a properly qualified auditor duly appointed.

Article XV

EDITOR – IN – CHIEF & EDITORIAL ADVISORY COMMITTEE

45. Editor-in-Chief shall be responsible for the editorial management of all publications of the Society. He shall be assisted by other editors and editorial boards as upon his recommendations are approved by the Executive Council.

The powers and duties of the Editor-in-Chief shall be :

- (i) To receive all manuscripts of papers with drawings or diagrams from authors for publication in the journal of the Acoustical Society of India (JASI).
- (ii) To get the papers referred by experts and based on their reports, accept or reject the papers received for publication. When the referees send detailed comments based on which the author has to modify and resubmit the paper, to see that such modifications are carried out by the author before accepting it for publication.

Editorial Advisory Committee

46. There shall be an editorial advisory committee to advise the Editor-in-Chief in the matter of publication of Journal and other publications undertaken by the society.
47. Editorial Board shall be drawn up to represent all the disciplines in the subject of Acoustics so that the Editor-in-chief can have the expert advice in all branches of Acoustics to help him in the discharge of his duties.
48. The Society shall publish a quarterly journal called “Journal of the Acoustical Society of India”. As and when the need arises this could be changed to bimonthly or monthly Journal.

The Journal shall contain

- (i) Original papers ;
- (ii) Letters of the Editor ;

- (iii) Information regarding important acoustical activities in India and abroad ; and
- (iv) Information of long term interest to the members

49. The Newsletter shall contain :

- (i) Information regarding acoustical activities including conference and symposia being held in India and abroad.
- (ii) Information regarding activities of the Society :
- (iii) Information regarding activities of the local chapters ;
- (iv) Suggestions, views of the members including those of Council Members ; and
- (v) News items and information of general interest to the members.

The Society shall also publish a quarterly newsletter called "ASI News".

Article XVI

DISTRIBUTION OF SUBSCRIPTIONS

50. Suitable amount of annual subscription received by the Society may be allocated for the journal. Funds thus allocated, if not expended during the fiscal year, shall be retained for use in future publications.

Article XVII

CONVENTIONS

51. Conventions of the Society shall be held periodically the time and at a place determined by the Executive Council. The programme of a convention may include a business meeting of the Society. For arranging the Convention an adhoc local programme committee shall be nominated by the Executive Council.

Article XVIII

PUBLICATION OF MEMORANDUM ETC

52. Whenever a new edition of the Memorandum and Rules and Regulations of the Society is published it should be cited by the year of its publication.

Article XIX

NOTICE

53. Any notice may be served or any communication may be sent by the Council or by the Secretary of the Society upon or to any member either personally or by sending it prepaid through the post addressed to such person at his address as registered in the books of the Society.

Article XX

GENERAL BODY AND ITS FUNCTIONS

54. There shall be a General Body consisting of all the Fellows, Members and Honorary Members of the Society.
55. All policy decisions including changes in the bye-laws rules and regulations will be decided by the General Body.
56. The annual meeting of the General Body shall be held once a year at a place as decided by the Council at its previous meeting.
57. The Council shall report to the annual meeting on the general affairs of the Society, including the abstracts of the reports of the Secretary and Treasurer and any other matters which they may consider of interest to the Society.,
58. The general results of the audit shall be reported to the members of the Society at the annual general body meeting.
59. The other functions of the General Body are :
- (i) To elect the Executive Body ;
 - (ii) To pass the budget for the ensuing year and approve the expenditure statement of previous year ;
 - (iii) To approve the report of the activities of the Society : and
 - (iv) To appoint an auditor.

Article XXI

FUNDS

60. The funds shall be spent only for the attainment of the objects of the Society and no portion thereof shall be paid or transferred directly or indirectly to any of its members through any means.

Article XXII

AMENDMENTS

61. No amendment or alteration shall be made in the purpose of the Society unless it is voted by two-third of the members present at a meeting convened for the purpose and confirmed by the two-thirds of the members present at a second special meeting after an interval of one month.

Article XXIII

62. In case the Society has to be wound up the property and funds of the Society that will remain after full satisfaction of the liabilities of the Society will be transferred or paid to some other institution with similar aims and objectives.

Appendix I

Regulations for the formation and conduct of local chapters

1. A local chapter of the Society will be authorized by the Council at the written request of not less than ten members.
2. Only one chapter shall be authorized in any one locality, the locality being defined as a region to be decided by the Council from time to time.
3. Any member of the Society is automatically a member of the local chapter provided the member's residence or principal place of business falls within the chapter region in which the local chapter has its head-quarters and provided also that the member complies with the regulations of the said chapter. Members of the Society who live or have the business in a place which is beyond the region of the nearest local chapter may be included in the membership of such chapter provided specific request is made to the Secretary of the Society and approved by the latter. Only members of the Society are eligible to membership in its local chapters.
4. Every local chapter will have an executive committee consisting of a Chairman, Vice Chairman and Secretary Treasurer. Members of the executive committee shall hold office for one year from first April, every year, and will be eligible for immediate re-election for one more year only.
5. The local chapter will (i) conduct technical meetings, (ii) arrange for lectures and discussions on acoustical science and technology and allied subjects, (iii) arrange visits to industries of interest to acousticians and acoustical technologists, (iv) organize special seminars/workshops and courses and (v) provide a forum for social meetings among the members.

6. The expenses of local chapter shall be borne by the members on that chapter. The Society shall not be responsible for the expenses contracted by the local chapter or by the officers thereof.
7. The Governing council shall sanction a sum equivalent to 10% of the subscription collected from the members of that local chapter for expenditure over technical meetings and correspondence.
8. Each local chapter shall transmit promptly after each meeting to the Secretary of the Society an abstract of its proceedings if it were a technical meeting and details of matters discussed and decisions taken if any in the case of a business meeting.
9. The executive committee of the local chapter has the privilege of suggesting to the council the names of eligible candidates for the offices of the Society.
10. The Governing Council of the Society shall have the right to consider and take decisions on such matters concerning the welfare and the conduct of the local chapter as are not covered by these regulations.

Appendix II

Bye-Laws for the Groups of the Society for the Acoustical Society of India

1. Professional groups to be known as 'Groups' of the Society can be organized with at least ten members of the Society and have to be authorized by the Council.
2. Any member of the Society may register for membership in any group in which the member is interested any may resign there from at the member's discretion.
3. The office-bearers of each group shall be a Vice-Chairman, a Chairman and a Secretary. The procedure for the election of the office-bearers will be same as that followed for the office-bearers of the Society. These office-bearers shall constitute the executive committee of the group.
4. Members of the executive committee of one group shall not become members of the executive committee of any other group.
5. Members of the executive committee of a group shall be elected for one year.
6. The Group will help the Society by (i) preparing technical manuals, (ii) documentation, (iii) refereeing of papers and (iv) in conducting symposia on specific subjects.
7. The Group will not have the power to collect any funds for carrying out its work.

8. The Council may recommend the dissolution of any group of the Society and such a recommendation is to be acted on at the annual business meeting of the Society.
9. The executive committee of group will have the privilege of suggesting to the Council the names of eligible candidate for the offices of the Society as well as the offices of the group for the ensuing year.
10. The Groups as a present shall be :
 - (a) Physical acoustics
 - (b) Chemical acoustics
 - (c) Physiological and Medical acoustics
 - (d) Architectural acoustics
 - (e) Underwater and Atmospheric acoustics
 - (f) Acoustic Instrumentation
 - (g) Industrial acoustics
 - (h) Environmental acoustics
 - (i) Speech and Music and Hearing
 - (j) Noise and Vibrators
 - (k) Acoustic and Ultrasonic Techniques for NDT
 - (l) Electroacoustic

Additions and re-arrangements may be made from time to time by amendments.

PUBLICATIONS

JOURNAL OF ACOUSTICAL SOCIETY OF INDIA

ARTICLES

The Journal of Acoustical Society of India (JASI) is a refereed publication published quarterly by the Acoustical Society of India (ASI). JASI includes refereed articles, technical notes, letters-to-the-editor, book review and announcements of general interest to readers.

Articles may be theoretical or experimental in nature. But those which combine theoretical and experimental approaches to solve acoustics problems are particularly welcome. Technical notes, letters-to-the-editor and announcements may also be submitted. Articles must not have been published previously in other engineering or scientific journals. Articles in the following are particularly encouraged: applied acoustics, acoustical materials, active noise & vibration control, bioacoustics, communication acoustics including speech, computational acoustics, electro-acoustics and audio engineering, environmental acoustics, musical acoustics, non-linear acoustics, noise, physical acoustics, physiological and psychological acoustics, quieter technologies, room and building acoustics, structural acoustics and vibration, ultrasonics, underwater acoustics.

Authors whose articles are accepted for publication must transfer copyright of their articles to the ASI. This transfer involves publication only and does not in any way alter the author's traditional right regarding his/her articles. Papers should be clearly written in English and sent in duplicate to:

Dr. Mahavir Singh
Chief Editor, JASI
C/o Acoustics, Ultrasonics & Vibration Section
CSIR-National Physical Laboratory
Dr. K.S. Krishnan Road
New Delhi-110 012

Information for Authors

All manuscripts are refereed by at least two referees and are reviewed by the Publication Committee (all editors) before acceptance. Manuscripts of articles and technical notes should be submitted for review electronically to the Chief Editor by e-mail or by express mail on a disc. JASI maintains a high standard in the reviewing process and only accept papers of high quality. On acceptance, revised articles of all authors should be submitted to the Chief Editor by e-mail or by express mail.

Text of the manuscript should be double-spaced on A4 size paper, subdivided by main headings-typed in upper and lower case flush centre, with one line of space above and below and sub-headings within a section-typed in upper and lower case understood, flush left, followed by a period. Sub-sub headings should be italic. Articles should be written so that readers in different fields of acoustics can understand them easily. Manuscripts are only published if not normally exceeding twenty double-spaced text pages. If figures and illustrations are included then normally they should be restricted to no more than twelve-fifteen.

The first page of manuscripts should include on separate lines, the title of article, the names, of authors, affiliations and mailing addresses of authors in upper and lowers case. Do not include the author's title, position or degrees. Give an adequate post office address including pin or other postal code and the name of the city. An abstract of not more than 200 words should be included with each article. References should be numbered consecutively throughout the article with the number appearing as a superscript at the end of the sentence unless such placement causes ambiguity. The references should be grouped together, double spaced at the end of the article on a separate page. Footnotes are discouraged. Abbreviations and special terms must be defined if used.

EQUATIONS

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REFERENCES

The order and style of information differs slightly between periodical and book references and between published and unpublished references, depending on the available publication entries. A few examples are shown below.

Periodicals

- [1] S.R. PRIDE and M.W. HAARTSEN, 1996. Electroseismic wave properties, *J. Acoust. Soc. Am.*, **100** (3), 1301-1315.
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Others

- [1] J.N. Yang and A. Akbarpour, 1987. Technical Report NCEER-87-0007, Instantaneous Optimal Control Law For Tall Buildings Under Seismic Excitations.

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