

# ANNUAL REPORT

1980-81



ALL INDIA INSTITUTE OF SPEECH & HEARING  
MYSORE - 570006 INDIA

"I have been most impressed with the originality, innovation and adaptation that I found in the management of this Institute, in its functions, its technical competence and its relevance to the needs of the affected population of this country...."

- Dr. T.A. Lambo  
Deputy Director General  
World Health Organization,  
Geneva

(during his visit in  
June 1980).

The year 1980-81 has been a year of consolidation and collaboration. The IYDP has begun and the Institute had its share in the observance of the IYDP. Our services have improved. We served 32,231 cases during the year. We have been involved in passing on the benefits of social welfare measures to the cases by issuing Certificates for Hearing Aids and Maintenance Allowances to the cases with hearing loss and cases with Mental retardation. The training programme was in full swing.

Two candidates (Mrs. Prathibha Karanth and Mrs. Vijayalakshmi Sasavaraj) have completed their theses for the Doctorate. Miss D. Bhavani is continuing her work. Mr. Nataraja and Miss Lavithri have freshly registered for their Doctorates. 15 dissertations, 12 independent research projects and 9 papers were published. Several draft specifications have been drawn up for discussion at ISI. Our BSc students drew up and exhibited charts on noise pollution. Our pamphlets have been revised and new pamphlets have been written up. The VIII issue of the Journal of AIISH has been released.

In addition, we have conducted short term orientation courses for ENT specialists from Armed Forces Medical College, Pune and for students of M.A. Psychology. We have also, on

requests, provided refresher courses in Audiology, including Impedance Testing and making of earmoulds.

There has been a considerable addition to the books and to the technical equipment during the year. We have developed several electronic therapy aids for use with our cases.

We have collaborated with the National Sample Survey Organization on drafting a questionnaire for a National Survey and in training their officers. In addition, we have undertaken small surveys of our own with the help of the NSSO.

Our staff have been deputed to several professional conferences and short term courses. Members of our staff hold important offices in the Indian Speech and Hearing Association. Mr. J.D. Samuel was a co-author of the award winning paper at the ISHA Conference in Chandigarh. Dr. (Miss) Shailaja Nikam is on the Editorial Board of the Journal of the Acoustical Society of India. She is also a member of ISI Panel on Hearing Aids and Audiometers and the Acoustics Sectional Committee of the ISI.

Dr. (Miss) Shailaja Nikam, whose paper had been accepted by the VIII International Congress in Acoustics, Sydney, Australia, was granted 50% expenses by the UGC and 50% expenses by the Institute to go to Australia. However, because of a delay in communication, she could not utilise the opportunity.

Dr. (Miss) M.V. Susheela has been awarded a Commonwealth Scholarship and is now away in England.

As part of the IYDP, the staff of the Institute worked along with National Committees, State-level committees and voluntary organisations on several projects, including gifts of hearing aids.



The Lions Club of Mysore donated 4 hearing aids to poor patients. Rtn. R. Vasudeva Murthy donated 8 hearing aids. These were, in addition to the hearing aids subsidised and gifted through the Social Welfare.

Several special lectures were arranged for the benefit of our students.

Several popular articles and radio talks were given by the staff of the Institute.

We participated in seven Camps during the year, where 2,775 cases were seen.

The Institute celebrated the Anniversary where the highlight was that the Chief Guest and the President were both cases of our Institute.

Eminent guests who visited our Institute included Dr. T.A. Lambo, Deputy Director General, World Health Organization, Dr. Zachariev, Chief, Section of Structures and Contents of Education, and his UNESCO team, Dr. Daniel S. Beasley, Chairman & Director, Department of Audiology and Speech Pathology, Memphis State University, USA, Dr. D.A.W. Nugent, Programme Coordinator, WHO, Dr. Armin Lowe, Educator of the Deaf, University of Heidelberg, West Germany, \*Dr. Prem Victor, President for the Association for the Rehabilitation and research of the Handicapped, New Delhi, Dr. C.R. Ramachandran, Officer in Charge, Regional Occupational Health Centre, Bangalore, Dr. K.V. Rao, Deputy Director, NSSO, Bangalore, etc.

Students from several Medical Colleges and Teacher Training Colleges were also our welcome visitors.

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\*Dr. Hattig, Erlange, West Germany,



Construction of the Staff Quarters has been started and construction of the additions to the buildings are going on but at a slow pace, in spite of our best efforts.

Five members of the staff have passed Hindi Examinations under the Hindi Teaching Scheme.

We have started a Cooperative Society for the benefit of the students and staff and a Staff Welfare Association.

## INTRODUCTION:

The Ministry of Health and Family Welfare, Government of India, established this Institute in the year 1965 as a Department of Government of India to shoulder the responsibility of imparting professional training, rendering clinical services to the public with Speech and Hearing disorders and also conducting research in the field. Later the Institute was converted into an autonomous body and registered under the Societies Registration Act XXI of 1860 (Punjab Amendment) Act 1957 as extended to the Union Territory of Delhi and since then functioning under the aegis of the Union Ministry of Health and Family Welfare. The University of Mysore accorded affiliation for teaching programme leading to the award of BSc., and MSc., and now Ph.D., in Speech and Hearing.

## GENERAL:

There are about 36 to 100 million people afflicted with Speech and Hearing problems in India. Tackling this problem is a gigantic effort which needs support and help from all quarters.

The Institute being only one of its kind in South East Asia, it has to play solitary role in the new field of Speech and Hearing, by adopting new methods through research done at the Institute by specialists, and also by bringing more qualified specialists into field such as Speech Pathologists, Audiologists, Otolaryngologists, Psychologists and Electronics Engineers.

## HOURS OF WORK:

Teaching	-	10 a.m. to 1 p.m.
Clinical Services	-	10 a.m. to 5 p.m.
Office	-	10 a.m. to 5 p.m.

## OBJECTIVES:

The objectives of the Institute as enshrined in the Memorandum of Association are as follows :

### I - Training:

- (a) To provide and assist in providing general professional and technical education and training in Speech and Hearing for graduate, post-graduate and doctorate courses of a University;
- (b) To provide and assist in providing general professional and technical education and training to various categories of personnel e.g., Medical, Para-medical, Non-medical etc.,
- (c) To undertake, organise and facilitate study courses, conferences, lectures, seminars and the like to promote the above mentioned objects;
- (d) To undertake and provide for publication of journals, research papers etc., and to establish and maintain libraries and information services in furtherance of the objects of the society;
- (e) To invite representatives of Governments, Universities and other organisations of India and of foreign countries to deliver lectures on subjects in which the society is interested;
- (f) To co-operate with international agencies engaged in Speech and Hearing research and training and arrange for interchange of personnel, material and data;
- (g) To institute, offer and grant prizes, awards, scholarships, research grants and stipends in furtherance of the objects of the society;

### II - Research

- (a) To provide and assist in providing facilities and encouragement to research in speech and hearing, their disorders and the concerned diseases of ear, nose and throat.

### III - Clinical Services

- (a) To provide and assist in providing clinical and surgical services for those with speech and hearing handicaps and ear, nose and throat diseases;
- (b) To assist in the development of speech and hearing clinics in hospitals and other centres.



#### IV - Public Education

- (a) To educate the public about communicative disorders;
- (b) To stimulate interest in speech and hearing through publicity and mass communication and co-operate with other agencies and institutions or professional associations.

#### V - Administrative and Financial

- (a) To create administrative, technical, ministerial and other posts under the society and to make appointments thereto in accordance with the rules and regulations of the society.
- (b) To appoint and hire services or discharge/terminate the services of personnel and to pay them in return for the services, wages, gratuities, provident fund, and other allowances or remuneration in accordance with the rules and regulations of the society.
- (c) To borrow and raise money and funds to further the objects of the society and to raise or collect funds by gifts, donations, subscriptions or otherwise of cash and securities and any property either movable or immovable and to grant such rights and privileges to the donors, subscribers, and other benefactors as the society may consider fit and proper.
- (d) To invest and deal with funds and money of the society.
- (e) To subscribe to, or become a member of or to co-operate or amalgamate with any other association or society whose objects are similar.
- (f) To sell, assign, mortgage, lease, exchange, and otherwise transfer or dispose of all or any property movable or immovable of the society for the furtherance of its objects or any of them, provided prior approval of the Central Government is obtained for any disposition of immovable property.
- (g) To negotiate and enter into contracts on behalf of the society and vary and rescind such contracts.
- (h) To accept and undertake the management of any endowment or trust fund or donation to further the objects of the society.
- (i) To establish a contributory provident fund and gratuity for the benefit of the employees of the society.

- j) To pay all costs, charges and expenses incurred in the promotion, formation, establishment and registration of the society.
- k) To do all such other lawful acts, deeds, things, either alone or in conjunction with other organisation or persons as the society may consider necessary, incidental or conducive to the attainment of the above mentioned objects or any of them.
- l) To undertake any other function that may be assigned to the society by the Ministry of Health and Family Welfare, (Department of Health) Government of India, in connection with Speech and Hearing.

## AUTHORITIES OF THE INSTITUTE

The Authority of the Institute is vested in the Executive Council, Finance Sub-Committee and Academic Sub-Committee which are composed of:

### I Executive Council:

1. Shri B.Shankaranand, Hon'ble Union Minister for Health & F.W., Nirman Bhavan, New Delhi .. Chairman
2. Shri A.K. Abdul Samad, Hon'ble Minister for Health & F.W., Government of Karnataka, Bangalore 560001 .. Vice-Chairman
3. Prof. K.S.Hegde, Vice-Chancellor, University of Mysore, Mysore .. Member
4. Shri Kripa Narain, Secretary to the Govt., of India, Min., of Health & F.W., Nirman Bhavan, New Delhi .. ..
5. Dr. B.Sankaran, Director General of Health Services, Nirman Bhavan, New Delhi .. ..
6. Shri R.R.Gupta, Joint Secy., (FA), Govt., of India, Min., of Health & F.W., New Delhi .. ..
7. Representative of the Dept., of Social Welfare Government of India, Min., of Education & Social Welfare, New Delhi .. ..
8. The Commissioner for Health & Secretary to Government of Karnataka, Department of Health, and F.W., Multistoreyed Building, Bangalore .. ..
9. Dr. Y.P. Rudrappa, Director of Medical Education, Govt., of Karnataka, Bangalore .. ..
10. Dr. R.M. Varma, Professor Emeritus, NIMHANS, and Officer-in-Overall Charge, AIISH, National Institute of Mental Health and Neuro Sciences, Bangalore .. ..
11. Shri F.K. Irani, Managing Director, Ideal Jawa (I) Pvt., Ltd., Yadavagiri, Mysore .. ..
12. Dr. B.V. Rama Rao, College Road, Belgaum .. ..
13. Dr. J.Bharath Raj, Prof., & Head, Dept., of Clinical Psychology, AIISH (Member of the Teaching Faculty of AIISH, nominated by the Director) .. ..
14. Dr. N.Rathna, Director, AIISH, Mysore 6 .. Member-Secy.



## II Finance Sub-Committee

1. Additional Secretary to Govt., of India, .. Chairman  
Min., of Health & FW (Dept., of Health)  
Nirman Bhavan, New Delhi
2. Joint Secretary to Govt., of India, Min., .. Member  
of Health & FW (Dept., of Health),  
Nirman Bhavan, New Delhi
3. Joint Secretary to Govt., of India, (FA), .. Member  
Min., of Health & FW (Dept., of Health)  
Nirman Bhavan, New Delhi
4. Deputy Director General of Health Services .. Member  
Nirman Bhavan, New Delhi
5. Secretary to the Government of Karnataka .. Member  
Department of Health & FW, Multistoreyed  
Building, Bangalore
6. Dr. R.M.Varma, Prof. Emeritus, NIMHANS, .. Member  
Bangalore
7. Dr. N.Rathna, Director, AIISH, Mysore .. Member-  
Secy.

## III Academic Sub-Committee

1. Dr. D.B.Bisht, Deputy Director General of .. Chairman  
Health Services, Nirman Bhavan, New Delhi
2. Head of the Department of Speech Pathology, .. Member  
AIISH, Mysore
3. Head of the Department of Audiology, AIISH .. Member  
Mysore
4. Head of the Department of Clinical Psycho- .. Member  
logy, AIISH, Mysore
5. Head of the Department of ENT, AIISH, Mysore .. Member
6. Dr. M.S. Thirumalai, Dy., Director, Central .. Member  
Instt., of Indian Languages, Mysore
7. Dr. K.Gopal, Reader, Department of P.G. Studies .. Member  
and Research in Physics, University of  
Mysore, Manasagangothri, Mysore
8. Dr. N.Rathna, Director, AIISH, Mysore .. Member-  
Secy.

MEETINGS

The meetings of the Authorities of the Institute were held as follows:-

- I Executive Council: XXV meeting - on 22/4/1980  
XXVI meeting - on 17/9/1980  
XXVII meeting - on 14/3/1981
- II Finance Sub-Committee : IV meeting - on 21/6/1980  
V meeting - on 11/11/80  
VI meeting - on 10/3/1981
- III Academic Sub-Committee III meeting - on 5/12/1980

### DEPARTMENT OF SPEECH PATHOLOGY:

The staff of the Department continued to participate in the teaching and training of the BSc., and MSc., Speech and Hearing students. Semester system continued for the II and III year BSc's and the Final Year MSc., I Year BSc., and MSc., are on non-semester scheme.

### CLINICAL SERVICES:

The staff of the department assign cases, maintain the therapeutic materials and equipment, arrange programmes for the visitors to the Institute, assist in recording the speech samples and maintain records of the therapy clinic.

### COUNSELLING:

Counselling of parents of cases or cases themselves is done under the supervision of the staff of the department. Post-graduate students and staff participate in counselling. Every case who is examined in this Institute is counselled and advice rendered on home training, vocation training, the use and care of the hearing aid. Techniques that can be carried out at home by the parents are explained and demonstrated. Demonstration therapy is also arranged for cases who can attend therapy here for only a short time.

### CAMPS:

The Institute participated in Speech and Hearing camps in Hiriyur, Sakleshpur, T. Narasipur, Bannur, Nanjangud, Sagar and Adoni. 2775 cases were seen and counselled. Some of these cases were referred to the Institute here for detailed tests.

### SURVEY'S:

Mr. G. Purushothama participated in the sample survey conducted by the Institute in collaboration with the National Sample Survey Organization of India.



## ISHA CONFERENCE:

The ISHA conference was held in Chandigarh. Dr. N. Rathna, Director of the Institute, Sri. N.P. Nataraja, Lecturer in Speech Pathology, Sri. G. Purushothama, Lecturer in Speech Pathology and Mr. M.G. Subrahmanyaiah, Research Assistant, attended the conference. The following papers were presented:

1. "Traditional probes in voice training of Musicians" - A Pilot Study - Dr. N. Rathna and Sri. M.G. Subrahmanyaiah.

Thirty subjects (15 Musicians and 15 students of Music) were administered a questionnaire in Kannada. Their responses were tape recorded. The analysis revealed certain randomness in locating the optimum pitch to be used and poor vocal hygiene in their singing practices which might have deleterious effect on their voices and ultimately on their career.

2. "An observation on shadowing one's own Speech" - Sri. G. Purushothama and Sri. A. Jagadeesh.

Under shadowing generally the speech intelligibility is reduced. It is observed that dysfluencies increase when one shadows his own speech. It has been tried to explain the observations. This paper got award of best scientific paper at XIII ISHA conference held at Chandigarh.

John Tracy Clinic's correspondence course for parents of deaf children has been translated into Kannada and it is being adopted to suit Indian conditions.

Mr. Nataraja, participated in the "Summer Course in Tagmemics and Suprasegmentals" from 13th Oct to 8th Nov, 1981, held at Central Institute of Indian Languages, Mysore. He also presented a paper entitled "Intonation in 4 Indian languages under 5 emotional conditions".

Mr. Nataraja, also participated in the 'International Institute of Phonetics' from 19th Jan to 14th Feb 1981 held at Central Institute of Indian Languages, Mysore, and presented the paper "Acoustic Analysis of Hoarseness".

## LECTURES AND RADIO TALKS BY DR. N. RATHNA:

### LECTURES:

1. "Methodology of teaching and training" at Sri Jaya Chamaraajendra College of Engineering, Mysore in connection with ISTE summer school.

### RADIO TALKS:

1. "Helen Keller" - A Radio feature broadcast from All India Radio, Bangalore;
2. "Anukampa Irali, Aadare Avakasha Kodi" - A talk in Kannada broadcast from All India Radio, Mysore, in connection with 'Handicapped Week'.

### LECTURES:

1. Mr. N.P. Nataraja, delivered a lecture in the field of Speech and Hearing at the Demonstration Multipurpose School, Mysore.

### PUBLICATIONS:

1. A feature on the Institute for publication in Gyanagangothri, Volume VIII by the Directorate of Public Instruction; by Dr. N. Rathna.
2. Uggu matige parihara unte - An article in Kannada for publication in Janapriya Vigyana by Bangalore University.
3. An article on I.Y.D.P. - for Hearing Aid Journal.
4. What's your I.Q - An Article for the ISHA conference Souvenir.
5. Acoustic analysis of Hoarseness.
6. Intonation in 4 Indian Languages under 5 emotion conditions.

### I. PARTICIPATION IN COMMITTEES:

1. Doctoral Committee - Madras University;
2. National Committee for IYDP, constituted by the Ministry of Social Welfare, Government of India;
3. State Level Committee for the Welfare of the handicapped constituted by the Social Welfare and Labour Department, Government of Karnataka;

### II. CONFERENCES/MEETINGS:

1. XIII ISHA conference at Chandigarh.
2. Meeting of the Committee on construction of auditorium in Mysore City, held by the Divisional Commissioner, Mysore.



3. All India Workshop for Educators and Parents of Deaf Children, held by the National Society for Equal Opportunity for the Handicapped (Karnataka), Bangalore.
4. Training Course for 2 days at the National Institute for the Orthopaediatric Handicapped, Calcutta, in connection with NSS.
5. Meetings with National Sample Survey Organization at New Delhi in connection with the IYDP.
6. Meetings of the working group of building for the National Institute for Hearing Handicapped at New Delhi and Bombay.

#### GUIDANCE FOR DISSERTATIONS:

1. Phonatory Behaviour in Stutterers.
2. Relationship of locating optimum frequency in the age range 7 - 25.
3. Oral Sensory and Motor Skills in normals and a clinical population.
4. The Effect of stimuli with and without time-out on stuttering.
5. Use of Mirror in Speech Correction.

Mrs. Vijayalakshmi Basavaraj, who was working for her Ph.D., under the guidance of Dr. N. Rathna, completed her work and submitted the thesis to the University of Mysore.

#### RESEARCH:

As in the previous years research activity continued.

#### ISHA OFFICE BEARERS:

Mr. N.P. NATARAJA and Mr. G. Purushothama, continued to be the Hon. Secretary and Hon. Treasurer of the Indian Speech and Hearing Association, respectively.

#### PHYSICAL TARGETS FOR 1980-81:

1. Speech Laboratory - Progress has been made in building up this laboratory adding the following equipment:
  - (i) Sound Spectrograph;
  - (ii) Tape Recorders;
  - (iii) Air Conditioner;



Attempts have also been made to have sound treated rooms for the Speech Laboratory which are essential for better functioning. Speech Laboratory has been in use for research, dissertation, diagnosis and treatment of cases.

Further improvement would be made if more money and staff were provided under the VI plan.

2. Cleft Palate Workshop - Considerable progress has been made made with respect to the above target also.

Two research works are under progress. Regarding Cleft Palate, prosthesis are prepared for Cleft Palate cases. Further improvement would be made if equipment as requested are provided in the forthcoming years.

3. Department of Language - Attempts have been made to build Tape Library of various speech sample, based on this Ph.D., thesis on testing language has been submitted. Further, additional staff and equipment would help in developing the department.

4. Therapy Clinic - Attempts have been made to increase the supervision of students and to add new teaching aids to the clinic for therapy purposes.

Additional staff and equipment would help in improving the clinical work.

#### EQUIPMENT PURCHASED DURING THE YEAR:

1. Sound Spectrograph and Tape Recorders:

Using this equipment a paper has been written, entitled: "Acoustic Analysis of Hoarseness Voice". Two dissertations are in progress.

Two Research Papers and one independent project are under process.

#### ITINERANT SPEECH THERAPIST:

#### CORRESPONDENCE:

287 Follow-up letters were sent to cases who are irregular for therapy. Some of them were requested to come for student's dissertation work and also for research purposes.

#### HOME VISITS:

82 cases (Therapy and Old Cases) were followed up through home visits. Parents were counselled regarding follow-up of therapy, follow-up of school work, home training programme and maintenance of diary. Demonstration of therapy for auditory training was done at home and activities for language improvement were suggested to parents to be carried out at home by them regularly.

Suggestions were given for correction of misarticulated sounds. Parents were told about the importance of hearing aid, and to insist the cases to wear always.

It has been observed that many cases do not wear hearing aid always, and parents are not insisting the cases regarding wearing hearing aid. Few parents do not follow the instructions given regarding home training programme.

#### SCHOOL VISITS:

Seventy cases with Speech and Hearing problems who are studying in normal schools, in Mysore City, have been followed up, by visiting schools. Teachers of 37 normal schools were appraised about the problems of cases, the reason for recommending them to go to normal schools and the use of hearing aids. They were counselled regarding handling of these children in class and outside; instructions to be followed while teaching, placement in class room; to insist the cases to wear hearing aid daily; not to use gestures and to instruct other children also to speak with the child; to encourage for extra curricular activities; to insist the parents to help the children with their home work and to meet the teachers every week, to identify and also to take care of the handicapped children in the class room. Orientation lectures were given to them. They were requested to refer such children or others elsewhere who have speech and hearing problems to the Institute.

Teachers from two schools visited the Institute. They were taken around, explained to them functions of each of the departments more specially the therapeutic part of the clinic.

#### COUNSELLING FOR THE PARENTS:

Parent Counselling sessions could not be held due to non-co-operation of parents and other problems. However, the parents/guardians accompanying the cases who come for therapy are being counselled individually, regarding follow-up of therapy and home training programme.

#### CRAFT CLASSES:

This has been discontinued temporarily, as there is no craft teacher to teach the children. Drawing and painting are being done by therapists during therapy sessions.

#### CLINICAL AND DIAGNOSTIC WORK:

The routine activity of case assignments, issue of teaching aids, assisting the students with therapy, individual parent counselling and conducting group activities for cases continued. Likewise taking case histories, speech evaluation and counselling.

#### DATA: -

Follow-up letters sent	-	287
No. of cases replied and reported	-	75
Letters returned due to change of address	-	6
No. of home visits	-	81
No. of cases seen	-	82
No. of school visits	-	37
No. of cases seen	-	70
No. of case histories	-	183
Speech Evaluations and counselling done	-	37



## ELECTRONICS

### NATURE OF DUTIES:

1. Teaching
2. Maintenance, Servicing and Calibration of Electronic Equipments;
3. Research and Development
4. Technical advice and assistance to foreign agencies. The training programme for BSc., and MSc., classes in electronics, Accoustics and Instrumentation has been completed. The required technical assistance for 15 students of II MSc., has been extended for their dissertation work.

### PARTICIPATION OF SEMINARS AND SHORT TERM COURSES:

1. Sri. S.S. Murthy has attended a short-term course in the month of October 1980, Instrumentation in Medical Research and practice, conducted at LRDE, Bangalore, organised by Instruments' Society of India.
2. Sri. S.S. Murthy participated in the Lecture-cum-demonstration on Electro-acoustics of Loud Speakers and Microphones, conducted at Bharath Electronics Limited, Bangalore by Bruel & Kjaer, Denmark, in the month of November, 1980.
3. Sri. S.S. Murthy, participated in the Seminar on Noise Measurements and its control, conducted at Bombay, jointly by Jost's Engineering Company and Bruel and Kjaer Company, Denmark, in the month of March, 1981.

4. Sri. Srikant, attended the course on Micro Computers and programmers at Institution of Engineers, Mysore City Branch Centre, conducted by Allied Computers, Madras, in the month of July, 1980.

TECHNICAL SERVICE RENDERED:

1. Major repairs - 101
2. Patients' Hearing Aid - 450 serviced
3. The staff extended the services in installing the equipments purchased by the other departments costing approximately 5 lakhs and also in preparing drawings and projects on materials for the Psycho-drama unit and Behaviour Therapy Unit of Psychology Department. During the current year, the laboratory procured the following instruments to improve the efficiency and quality of the works.
  - (a) Mini Lab., (b) High Speed Drill., (c) LCR Bridge.,
  - (d) Digital sys-(e) Auto Slide Proje- (f) D.C. Power Supply
  - tem designer., ctor.,

NEW INSTRUMENTS DEVELOPED DURING THE YEAR:

The following instruments were developed during the year 1980-81.

1. Timer Counter for the MSc., Project Work;
2. Instrument to demonstrate musical notes and beats;
3. Voice light to study the intensity of voice;
4. Visual palatal unit used to give therapy for cleft palate patients;

PAPERS PUBLISHED:

"A Brief Survey of Hearing Aid users and their associated problems" by Shri. S.S. Murthy and Shri. Srikant - Published in Indian Drugs and Pharmaceutical Industry. Jan-Feb 1980.

## DEPARTMENT OF AUDIOLOGY

### I. TRAINING:

#### (a) Undergraduate and Post-graduate

The training programme for the undergraduate and graduate students in Speech and Hearing continued under the semester scheme. With the introduction of the non-semester scheme, the course of study prepared in the previous year came into effect for the first year students of BSc., and MSc., classes.

An exhibition of the charts prepared by the BSc., V semester students on the hazards of noise exposure and prophylactic measures to be taken were exhibited in the Institute premises.

One MSc., dissertation and eleven independent projects were completed under the guidance of the staff of the Department. Titles etc., are given elsewhere in the report.

Ten dissertations and fifteen independent projects by the MSc., first year were taken up for guidance.

#### (b) Short-term training

(i) For short term training programme of school teachers for the Integrated Training of hard of hearing children was prepared and submitted. The trainees are expected to undergo the training at the Institute in the middle of 1981.

(ii) Short-term refresher orientation training ranging from a few days to a few weeks was given in earmould making, impedance audiometry and audiological evaluation to several individuals as detailed below:

1. Dr. Lakshmi Narasimhan, Lecturer in Otolaryngology, Mysore Medical College, Mysore, from Feb to Apr, 1981, two hours per week - Orientation Lectures in Audiology;
2. Mr. Mehaboob Shanawaz, MSc., (Sp. & Hg.) Speech Pathologist and Audiologist, Madras, from March 1981 for one week - Orientation/Demonstration in Impedance Audiometry;



3. Mr. Mukhthesh, Hearing Aid dealer, Madras, March 1981, training in Earmould making;
4. Mr. C.B. Swamy Sridhar, MSc., (Sp. & Hg.) Speech Pathologist and Audiologist, Indore, March 1981 - training in Earmould Making;

(c) Guest Lectures

Dr. Daniel S. Beasley, Chairman and Director, Department of Audiology and Speech Pathology, Memphis State University, USA., gave lectures on Speech Research related to audiological evaluation.

Dr. C.R. Ramachandran, Officer-in-charge, Regional Occupation Health Centre, Bangalore, gave lectures related to Noise Measurements and Hearing Conservation, for the BSc., V semester students.

A slide-cum-tape lecture demonstrations were arranged for the BSc., V semester students through the courtesy of Jost's Engineering Co., Bangalore,. The series included (1) Sound Level Meters (2) Audiometry (3) Noise Dose Meters (4) Noise Measurements (5) Vibration Measurement. These illustrated very effectively, the various aspects related to noise measurement and hearing conservation. Attempts are being made to purchase these tapes and slides for the training programme.

(d) Educational Tours

Arranging Educational Tours to Institutions such as the ECIL Hyderabad and CEERI, New Delhi, were explored.

(e) Bibliography

Bibliography in the following areas were prepared:

- (i) Noise Measurements;
- (ii) Paediatric Audiology;

(f) Resource Material

Thirty three new journals were recommended for subscription. Forty new books were recommended for purchase to the Library. One colour film entitled 'Standing Waves' was purchased.

## CORRESPONDENCE:

There were 59 letters and other correspondence related to training programme.

## II. CLINICAL ACTIVITIES:

### (a) Hearing Evaluation:

(i) Routine Activities - A total number of 3761 cases were examined. The slightly lower number reported than in the previous year, it was due to the difficulty experienced in maintaining accurate statistics as evaluation was carried out in several rooms which were non-adjacent. The procedure for maintaining the records has since been streamlined. Of the 3761 cases, 647 had normal hearing, 851 had conductive loss, 1227 had sensorineural loss and 512 had mixed loss. Impedance and speech audiometry was done for 609 and 758 patients respectively. Audiogram copies were issued to 109 patients on request. Special tests were administered to 263 patients.

Certificates for drawing maintenance allowance for the physically handicapped from the Government of Karnataka were issued to 100 patients.

The completion of the new test rooms in all respects continues to be awaited. However, since the use of old test rooms had to be discontinued on account of the construction work on the first floor leading to noise and water seepage, the new test rooms were made use of for both clinical evaluation and project work by students.

(ii) Impedance Audiometry - The procedure for testing with the three new impedance audiometers were streamlined. The instruments went out of order periodically. Some were set right and one had to be sent to the representatives for repairs. Successful attempts were



made to get recording paper printed for using with the Hewlett Packard X-Y Plotter. Getting suitable recording paper made indigenously for 86 AR is in the process of finalization. Use of Impedance Audiometry as part of school screening programme could not be undertaken as the instruments were out of order periodically and for the same reason collection of data using acoustic and non-acoustic stimuli had to be deferred.

(iii) Paediatric Audiology - Development of case history sheet for children is nearing completion.

Calibration of screening material and preparation of kit for sound field test could not be undertaken for want of the services of a Technical Assistant who has not been appointed.

Modification of the sound field testing facilities incorporating narrow band noise and warble tones could not be done as the new test rooms are not yet complete.

iv. Speech Audiometry - The most common Kannada word pairs have been collected and classified into eight lists and recording tapes have been purchased for recording these words. Data on the use of speech stimuli in Kannada in the assessment of the functioning hearing loss was collected.

v. Collaborative Projects - ISI draft on specifications for diagnostic audiometer was prepared and submitted. The draft is scheduled to come up before the panel on hearing aids and audiometer in its forthcoming meeting.

The ISI drafts on ambient noise level permissible in audiometric test rooms was prepared.

Discussions were held with the staff of ECIL, Hyderabad, regarding manufacturing of equipment such as Impedance Audiometer and diagnostic audiometers.



CORRESPONDENCE:

The number of correspondence handled in connection with audiological evaluation, including letters to and from patients and manufacturers of instruments numbered 164.

HEARING AIDS

(i) Hearing Aid Evaluation - In total, 830 patients were seen for hearing aid evaluation. This number included those who came for re-evaluation, those who came for demonstration and counselling purposes after purchase, those who could not afford to purchase and those who were reluctant to wear the hearing aid even though it was found useful. For each patient several models available with us were tried before recommending a particular model.

In all cases where hearing aid was found useful, prescription of suitable models for purchase were made out for the patients. The patients have been encouraged to bring the hearing aids after purchase for demonstration in its use and counselling for its care and maintenance. When the patients brought the hearing aids, it gave us an opportunity to check if the instrument was in working condition. It was also found that some times the dealers have sold to patients hearing aids other than what was prescribed just because the model prescribed was not available with them. With the purchase of the necessary instruments, in future, it is planned to make electroacoustic measurements of the hearing aids purchased by the patients.

Follow-up letters for Dan Aid loanees were sent as a result of which a few hearing aids not in use were returned. These were subsequently issued to other eligible cases.

For employees who are eligible to get reimbursement for purchase of hearing aids, the formalities of certifying etc., were completed in the department. This was done for seven patients.

A few of spare parts still in stock such as the receivers for hearing aids received under the Indo-Danish assistance scheme were issued to such of the patients who had received hearing aids under this scheme. The receivers had to be replaced either on account of loss or damage.

Spares for the hearing aids such as cords and cells are made available in the Institute at cost price. Prescriptions for the purchase of these were made out in the department. Suitable prescription forms for this purpose were got printed with counterfoils. A cord and battery tester fabricated in the Electronics Laboratory of the Institute is being used for identifying the defective cords and depleted cells.

(ii) Publications/Handouts relating to Hearing Aids -

Guidelines helpful to the trainees, for hearing aid trial for children and adults was prepared and reproduced for distribution. The public education pamphlet on hearing aid care was revised. This has been printed and made available for distribution. Guidelines for parents in trouble shooting the hearing aid was prepared for distribution as a public education pamphlet.

(iii) Collaborative Projects - Assistance was given to the local Rotary and Lion's Clubs in selecting suitable patients who had been examined in the Institute and/or receiving therapy, for donation of hearing aids. Twelve hearing aids were donated by the members of these two clubs.

Arrangements were made for the patients to purchase hearing aids through service organisations at concessional rates. In all, fourteen patients benefitted from this arrangement.

Technical discussions were held with the staff of the center for Electronic Design and Technology, Indian Institute of Science, Bangalore., in designing low cost



hearing aids and hearing aids of special types that are currently not available in India for customer use.

The ISI drafts for measurement of Electro Acoustic characteristic of ear level hearing aids was prepared.

#### CORRESPONDENCE:

Correspondence related to Hearing Aids for the year 1980-81 in total was 96.

#### MISCELLANEOUS:

In response to a request from Mr. Augustine J. Veliath, Publications Officer, Voluntary Health Association of India, analysis of cases seen at the Institute from August 9th 1965 to December 31st 1980 was done to assess the number of patients in need of hearing aids, among other details.

- (c) Ear Mould - A total number of 289 ear-moulds were made including eleven skeleton type moulds. 165 ear moulds were made free of cost for poor patients and 124 moulds for payment. 149 ear-moulds were sent through post and 122 moulds were collected in person by the patients/guardians. 18 remained unclined. In addition to earmoulds, the laboratory facilities were used for making prosthesis for cleft palate cases. Ear-mould laboratory as in the previous years, was used for training purposes. VI semester BSc., and IV semester MSc., students were trained in making custom ear-moulds of the standard type as well as the vented type.

A proposal for short term training programme in ear mould training was prepared and placed before the Academic Committee of the Institute.

Short term training was given to two external candidates - A dealer in hearing aids and the other Speech Pathologist and Audiologist from Indore the particulars of which are given elsewhere in this report. The



teachers for the deaf did not come to the training during the period under report. Hence, earmould training could not be given to them.

#### CORRESPONDENCE:

Correspondence related to Ear-Mould in the year 1980-81 numbered 147.

#### IV. INSTRUMENTS:

The new instruments purchased during the year and the specific purpose for which they have been used is detailed below:

##### 1. Hearing Science Laboratory - ONE

This instrument was installed and tested for proper functioning. From the manual received along with the instrument the experiment under various categories along with the procedures have been cyclostyled for distribution to the trainees. We are awaiting purchase of the jack which was felt necessary by the staff in the Electronics Laboratory to use the instrument along with loudspeakers for group demonstration.

##### 2. Audio test station (B & K 2116) and Anechoic Chamber (B & K 4222) - ONE EACH

These two instruments were connected and installed. Readings on a few hearing aids used for trial purpose have been taken.

Measurements of the electro-acoustic characteristic of the hearing aids is being streamlined with the help of this instrument. The instruments having arrived only towards the end of the year, the measurements on hearing aids used by patients could not be taken up during the year.

##### 3. Artificial Ear ( B & K 4153 )

This is used along with the sound level meter for calibration purpose.

##### 4. Cosmic Stereo Amplifier and Speakers

These were received towards the end of the year and the

would be installed in the new test rooms as soon as they are ready.

V. PORTABLE CASSETTE RECORDERS: 2 Nos.

Those having arrived towards the end of the year, could not be put to use during the year.

The Audiometer purchased in the previous years, Beltone 200-C, MAICO-27, MAICO-22, and MAICO-30 were put to use both for clinical evaluation and for data collection by the students for their projects and dissertations.

Noise and Vibration Measurement Kit

This was received last year and was used for demonstration purposes for the students. Actual noise and measurement analysis could not be undertaken as planned, for want of the services of a Technical Assistant. The Sould Level Meter belonging to this kit has been used for measurement of ambient noise levels in the Audiometric Test Rooms, for calibration of audiometer and data collection for dissertation by the students.

The overhead projector was used by the staff and students.

The Stereo Tape Recorder and the Stereo Cassett Player were both used by students for the projects and dissertations. The latter along with the amplifier and speakers was used for playing the professional taped lectures for the students.

CORRESPONDENCE:

Correspondence related to instruments numbered 133.

REPAIRS/CALIBRATION

Madsen OB-70, Madsen ZO-73, 86 AR Sonnet Tape Recorder, Beltone 200-C were some of the instruments sent to Electronics Laboratory for repairs. Calibration of the instruments was done periodically

III. STAFF:

As in the previous years, the staff took active part in the



curricular and co-curricular activities of the Institute.

The material for the VI Plan was revised and presented in a tabular form with the targets proposed for each year. The proforma placed before the Academic Sub-Committee was completed and submitted.

M/s MN. Vyasa Murthy and P.J. Kumar were assigned the work related to abstracting the MSc., Dissertations completed in the Audiology Department for publication in the AIISH Journal. They were also involved in the stock verification of library books and technical instruments. Mr. MN. Vyasa Murthy served on the Selection Committee for admission of students to the I BSc., class, Mr. J.D. Samuel was appointed tabulator for the University Examinations.

Dr (Miss) Shailaja Nikam was awarded 50% travel grant from UGC for presenting paper at the VIII International Congress in Acoustics, Sydney, Australia, but could not utilise.

Dr (Miss) Shailaja Nikam, was invited to the National Seminar on Noise held in Bombay and also to Indian Association for Occupational Health for their Annual Convention held at Jemshedpur.

#### V. SCHOOL SCREENING PROGRAMME/CAMPS:

Mr. P.J. Kumar, participated in the screening programme at Government Boys Primary School, Mandi Mohalla in collaboration with Leo Club, Mysore. He also attended camps organised by the Institute as detailed below:

1. Hiriya - 5th, 6th April 1980
2. Sakleshpur - 8th April 1980
3. T.Narasipur - 28th Sept 1980
4. Bannur - 2nd Oct 1980
5. Nanjangud - 28th Dec 1980
6. Sagar - 3rd and 4th January 1981
7. Adono - 14th, 15th Mar 1981

Dr. Nikam, participated in the survey at Shivapura and adjacent villages.



## PUBLICATIONS:

1. Samuel, J.D., Hearing Loss and its treatment - Kalaikathir, Jan. 1981.
2. Rathna, N., Samuel, J.D., Just not what you say - Kalai-kathir, 1981.
3. Mythili, M.A., Importance of Hearing, Kalaikathir, Jan, 1981.
4. Mythili, M.A., Role of Sensory Organs (Awaiting Publication)
5. Mythili, M.A., Kivi Mathu (Kannada, awaiting publication).
6. Hearing Aid Care - Public Education Pamphlet - AIISH.
7. M.N. Vyasa Murthy - to mask or not to mask? - Hearing Aid Journal, July 1980.

## PARTICIPATION IN SEMINARS/WORKSHOPS/CONFERENCES:

1. Dr. Shailaja Nikam -
  - (i) Acoustical Sectional Committee Meeting, New Delhi, August 1980;
  - (ii) Moderator, Symposium on Recent Advances in Audiology Southern Regional ENT Conference, Hyderabad, Sept, 1980;
  - (iii) Annual Conference of Acoustical Society of India, Allahabad, Oct, 1980;
  - (iv) Seminar, Noise Measurement and Analysis, Bombay, March 10 & 11, 1981.
2. Mr. MN. Vyasa Murthy -
  - (i) Course on Computer Programming, Institute of Engineers, Mysore, Jan 18 to 24, 1981.
3. Mr. P.J. Kumar -
  - (i) XIII annual ISHA conference, Chandigarh, Feb 1981.  
Presented paper entitled "TTS<sub>2</sub> for warble tones and Pure tones. Co.authored with<sup>2</sup>Rangamani"
  - (ii) Course on Computer Programming, Institute of Engineers, Mysore, Jan 18 to 24, 1981.
  - (iii) Workshop for the Educators and Parents of Deaf Children, Bangalore, March 11 to 13, 1981.
4. Mr. J.D. Samuel -
  - (i) Second South Zone ENT conference, Hyderabad Sept 1980.  
Presented paper on "Recent Advances in Impedance Audiometry".

- (ii) XIII Annual ISHA conference, Chandigarh, Feb, 1981 -  
Co-author of paper presented " Identification of This  
Scar on Ear Drums using Electromedics 86 AR" won best  
paper award.

5. Mrs. M.A. Mythili -

- (i) Workshop for the Educators and Parents of Deaf  
Children, Bangalore, March 11 to 13, 1981.

'Murthy'

## OTHER ACTIVITIES:-

### VI. Noise Trauma Cell:-

A proposal for starting a separate cell for research related to various aspects of noise was placed before the Academic Sub-Committee of the Institute. The noise and vibration measurement kit has been purchased.

Posters and Slogans related to noise hazards were exhibited in the assembly hall. Several protective devices were procured and these were sent to National Physical Laboratory, New Delhi for evaluation. Technical information was given to KIOARAS (India), Bangalore.

### VII. Technical Information:-

Technical information on various types of audiometers, calibration system, electrophysiological instruments, audiovisual aids, rehabilitation instruments, ear protective devices, etc., was collected, classified and indexed.

### VIII. Projects:-

Data collected on audiological practices in India was analysed and tabulated.

Necessary technical information was given to the Nehru Science Centre, Bombay in the preparation of exhibits related to Speech and Hearing. Discussions were held with the Project Officer.

### IX. Membership/Awards, etc.

Dr.(Miss)Shailaja Nikam continued to serve on the Editorial Board of the Journal of Acoustical Society of India; the Board of Studies, University of Mysore; Panel on Hearing Aids and Audiometers and the Acoustics Sectional Committee of the Indian Standards Institute. She is also a member of the Committee set up by the Acoustical Society of India to prepare status Report on Electroacoustics and Instrumentation.



Mr. J.D. Samuel was co-author of the award winning paper presented at the ISHA Conference.

X. Dissertations and Independent Projects completed

Anne Zachariah: "A study of the relationship between Acoustic Reflex Threshold and TTS:"

GUIDE: Mr. M.N. Vyasamurthy

Independent Project

GUIDE: Mr. M.N. Vyasamurthy:-

1. Sreemathi, M.Sc., III Semester : "Auditory Fatigue and Adoption - A review"
2. Kamakshi, M.Sc., III Semester : "Clinical application of M.L.D."
3. Sumana, MSc III Semester : "A review on loudness recruitment".

GUIDE: Mr. J. Dayalan Samuel:-

1. Ashok Kumar, M.M. : "A high risk questionnaire for hearing loss in children - a reliability study on an Indian Population"
2. Ravishankar Shukla : "Attenuation characteristics of crash helmets"
3. Sudha K. Murthy : "Prediction of auditory sensitivity and slope of the audiometric contour from acoustic reflex measures in normal hearing subjects"
4. Venugopal : "Statistical methods and research designs in Audiology"
5. Vishweshwar Bhat : "Impedance measurement in rheumatoid arthritis."

GUIDE: Dr. (Miss) Shailaja Nikam:-

1. Purwar A.K. : "A draft for ISI specification for electroacoustic characteristics of ear level hearing aids"

2. Ashok Kumar Sinha : "A draft for ISI specification for electroacoustic impedance audiometer"
3. Indrani : "Paediatric audiology assessment."
4. Malini M.S. : "Impedance audiometry - a primer"
5. Sunil Kumar Sood : "Temporal parameters in audition and diagnosis"

GUIDE: Mr. P.J. Kumar:-

1. Premalatha : "Electric response audiometry: Its principles and applications".

Contd.

## 5. Hearing Aid evaluation

- |   |   |   |
|---|---|---|
| 1. Preparation of guidelines to trainees on hearing aid trial :<br>for adults and children  | ) |   |
| 2. Collection of information regarding: (a) Hearing Aids - Types<br>(b) Hearing aid trial; (c) Electroacoustic characteristics<br>of hearing aids | ) | This was done   |
| 3. Streamlining Tests   | ) | Partially achieved  |
| 4. Procedural changes in conducting hearing aid trial   | ) | These could not be done completely as desired due to non-completion of the new test rooms |
| 5. Maintenance of records on hearing aid trial and prescription<br>of hearing aids  | ) |   |
| 6. Collaboration with manufacturers who have been approaching the<br>Institute  | ) | This was done   |
| 7. Preparation of handouts on importance of hearing aids, its<br>frequent evaluation and servicing  | ) | These were done   |
| 8. Follow up of cases to whom Danaid Hearing aids were issued<br>Preparation of Questionnaires  | ) |   |

## 6. Paediatric Audiology

- |   |   |  |
|---|---|--|
| 1. Development of case history sheet for children   | ) | Nearing completion                                     |
| 2. Modification of sound field testing incorporating facility<br>for narrow band noise and warble tones | ) | These could not be done                                |
| 3. Calibration of material used in paediatric Audiological<br>evaluation                                | ) | 1. Services of technical Assistance were not available |
| 4. Preparation of a kit for sound field test  | ) | 2. New Test rooms are not not yet complete             |



## 7. Noise Trauma Cell

- |  |    |                 |
|--|----|-----------------|
| 1. Procurement of instruments for noise measurement and analysis                     | :) | These were done |
| 2. Procurement of ear protective devices   | )  |                 |
| 3. Collaboration with the manufacturers of ear protective devices                    | )  |                 |
| 4. Measurement of different ear protective devices                                   | )  |                 |
| 5. Preparation of pamphlets, handouts, posters and slogans regarding noise pollution | )  |                 |

## 8. Ear Mould Lab

- |   |   |   |  |
|---|---|---|--|
| 1. Ear mould training programme for teachers of the deaf  | : | This was not achieved   | : The teachers did not come for training |
| 2. Short term course to the doctors from Armed Forces Medical Corps, and external candidates. This will be continued till the plan period | : | The doctors are expected to come for training later this year |  |
| 3. Intensive training programme for the outgoing students of the Institute.   | : | This was achieved   |  |
| 4. Collection of technical literature regarding different earmould materials  | : | This was done   |  |
| 5. Use of indigenous material and equipments  |   |   |  |

## 9. Development/Revision of existing standards ISI

- |  |   |  |
|--|---|--|
| 1. Development of standards for diagnostic audiometers   | : | This was done. Submitted to ISI which has taken action |
| 2. Implementing ISI standards for audiometric test rooms | : | The draft was prepared and submitted to ISI            |

## DEPARTMENT OF CLINICAL PSYCHOLOGY

### Administration

The Department continued its activities under Dr. J. Bharath Raj, Professor and Head of the department. Miss A.D. Bhavani continued working as Lecturer in Clinical Psychology. Likewise, Mrs. Iffath Aslam as Clinical Assistant and Miss S. Padmavathi Bai continued as part time Stenographer.

The post of Reader is vacant. Attempts are being made to fill up the post of Reader through advertisement/deputation from State Government.

Dr. J. Bharath Raj continued as a member of Executive Council, member of Academic Committee of AIISH, Mysore and a member of Board of Studies in Speech and Hearing. He is also a member of the Board of Studies of the Department of Psychology at University of Mysore. He was a member of the Organising Committee of the Asian Regional Commonwealth Congress on Mental Retardation, Bangalore.

The construction of the new Clinical Psychology Block is continuing and it is to be completed shortly. Structure and plastering of the inside walls of the various rooms/apartments of this new block have been completed. Shortly after the completion of external plastering and flooring, furnishing of the Department particularly the physical layout proposed for the Psychodrama unit, behaviour therapy/biofeed back unit, the control room and the Diagnostic testing rooms would be taken up.

### Training

The staff continued their participation in the teaching/training of the BSc and MSc Speech and Hearing students. This included the research and statistical guidance offered for the MSc students also and they were familiarised about the tests used in diagnostics and the therapy offered to different types of Speech and Hearing cases. Non-Semester Schemes have been introduced at BSc level. In addition, there has been semester scheme for the batch of students already existing. The department was in charge of conducting Journal Club and Clinical Conference. Students of Psychology in M.A. of Mysore University attended orientation course on "Application of

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Clinical Psychology in Speech and Hearing" and they were familiarised about the tests used in diagnostics and the therapy offered to different types of speech and hearing cases.

#### Diagnostics

A total number of 1722 cases were evaluated in the Department, with a view to do counselling and to recommend suitable therapy procedures. Among the total of 1722 cases, new cases were 1548 and re-evaluation cases were 174. 384 mentally retarded cases have been examined and for 166 cases certificates for the mentally handicapped were issued for the benefit of obtaining maintenance allowance from the Government of Karnataka. Mrs. Iffath Aslam took 261 case histories. Miss A.D.Bhavani continued to be in charge of the diagnostic supervision.

#### Therapy

Therapy of 26 cases were under the supervision of Dr.J.Bharath Raj and 13 cases under Miss A.D.Bhavani. In addition, other staff also gave therapy to some of the cases. With the coming up of the new psychodrama/behaviour therapy and Biofeed back units, it is anticipated to render more comprehensive therapeutic services to the cases. Some of the old therapy cases of the Institute are presently able to demonstrate their talents, in singing and playing instrumental music. One of them gave a sitar recital programme in a recent function.

#### Research activities

In addition to the continuation of earlier ongoing projects, Dr. Bharath Raj is guiding Ph.D., students.

a) Miss A.D.Bhavani: Thesis "Application of Behaviour Modification in training mentally retarded" for Ph.D., in Psychology, University of Mysore, Mysore.

Miss A.D.Bhavani assisted in preparing papers for publication in Journals based on research work done in the department on various topics and six of them are ready for publication. These would be published in the forthcoming AIISH journal.



### Publications

Dr. J. Bharath Raj: 1. Psyche Care News - "Know your Child's I.Q."

### Radio talks, public address, etc.

1. Dr. J. Bharath Raj & Miss A.D. Bhavani were invited by the parents of the retarded for discussion on organising a parent-professional association for the retarded in Mysore City.
2. Miss A.D. Bhavani gave a talk on "Prabhavashali Vyakthigalu" in Kannada on AIR, Mysore. Miss A.D. Bhavani attended camps held at Sagar as well as at Adoni.

### Equipment

Rs.31,392/- worth of materials and equipment have been procured for the department, during the year. Some valuable materials like the Halogen lamp, the strobo-lamp, and one way mirrors were procured. These would be housed permanently in the new block on its completion.

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## DEPARTMENT OF OTOLARYNGOLOGY

The objectives of this Department in collaboration with other sister departments are:-

### I. Training:-

a) To participate in training programme of BSc, <sup>and</sup> MSc., students, teaching them basic knowledge of anatomy and Physiology pertaining to Speech and Hearing problems, and its application in diseases.

b) To provide practical training through Microscopic and audio-visual demonstrations.

### II. Clinical services:-

The Department has a well equipped clinic and services were made available to patients attending the Institute.

In the absence of operation facilities at the Institute, the collaboration with K.R. Hospital, Mysore, continued, with one out-patients' day on Wednesday and two operation days on Thursday and Saturday per week. The cases needing specialised surgery for the relief of speech and hearing problems registered at the Institute as on 31-3-1981 stood at 118, which requires additional days of operation and additional staff to overcome the backlog. Micro-otological operations such as Stapedectomy, Myringoplasty, were continued to be carried out at K.R. Hospital.

Details regarding medical and surgical services rendered by the Department are as follows:-

			<u>1979-80</u>	<u>1980-81</u>
Outpatients: At K.R. Hospital (New Cases)			7700	4951
	Repeat cases		<u>5263</u>	<u>3110</u>
	Total	.. ..	12963	8061
At AIISH:	New Cases		4197	4270
	Repeat cases		<u>5263</u>	<u>6664</u>
	Total	.. ..	9460	10934
Operations done at K.R. Hospital:	Major	..	214	189
	Minor	..	103	67

No. of patients for operation on waiting list: 118

The Reader in ENT, and towards the end of the year the Lecturer in Otolaryngology, handled the classes for Otolaryngology for the BSc and MSc students.

#### IV. Appointments to the Department:-

Dr. Rathna Sabhapathi and Dr. J. Narayana, were appointed during the year. Dr. Rathna Sabhapathi as Lecturer in Otolaryngology and Dr. J. Narayana, as Reader in ENT. Dr. Rathna Sabhapathi was appointed vice Dr. K.Vishnu, who was repatriated to the parent Department during February 1981.

Dr. J.Narayana has been appointed on deputation for a period of one year in place of Dr.(Miss) M.V.Susheela, consequent on her Commonwealth Research Fellowship at U.K., for a period of one year from December, 1980.

#### V. Conference/Courses attended:-

Dr. K.Vishnu, Junior Otolaryngologist, was deputed to K.E.M. Hospital, Bombay, during November 1980, for Fourth Temporal Bone-Microsurgery Course.

#### VI. Fellowship:-

Dr.(Miss) M.V.Susheela, Reader in ENT, was awarded Commonwealth Research Fellowship, for one year commencing from December 1980, at U.K.

#### VII. Other functions performed:-

1. Issue of certificates to deserving handicapped patients to obtain maintenance allowance from the Government of Karnataka.
2. Follow-up and data collection for selection of suitable patients for surgery to improve hearing and voice.
3. Participated in Speech and Hearing Camps.



## MEDICAL RECORDS : STATISTICS

Diagnosis	No. of cases examined	Daily Average
Hearing loss	1392	32.60%
Hearing loss with other problems	428	10.02%
Stuttering	203	4.75%
Misarticulation	73	1.71%
Delayed Speech & Language	124	2.90%
Voice	98	2.30%
Aphasia	8	0.19%
Aphonia	8	0.19%
Cluttering	9	0.21%
Dysarthria	6	0.14%
Mental Retardation	310	7.26%
C.P.	19	0.44%
B.D.	14	0.33%
Normal Hearing	106	2.48%
Speech & Hearing (incomplete)	18	0.42%
Speech	61	1.43%
Hearing	81	1.90%
Neurology	10	0.23%
E.N.T.	1302	30.5%

Total no. of New Cases ...	4270
Speech & Hearing problems	2692
Incomplete Cases	160
Normal Hearing	106
E.N.T. Problem	1302
Neurology Problems	10

## CASES EXAMINED DURING THE YEAR

New Cases	..	4270
Daily Average	..	15%
Therapy Cases	..	10483
Daily Average	..	37%
Repeat Cases	..	6664
Daily Average	..	23%
Total No. of cases	..	21395
Daily Average	..	75%

## AGE WISE

Age Group	Male	Female
0-5	352	243
5-10	341	208
10-20	548	397
20 and above	1435	746
	<u>2676</u>	<u>1594</u>

Operations done at K.R.Hospital

Major	...	189
Minor	...	67
Total	....	<u>256</u>

OPD at K.R. Hospital

New Cases	...	4951
Old Cases	..	3110
Total	...	<u>8061</u>

## PUBLICITY AND INFORMATION

At every available opportunity all possible efforts have been made to achieve the objective of "Public Education". Voluntary organisations like the Lions International and the Rotary were involved in our speech and hearing camps and exhibitions and the survey works undertaken. The following table indicates the details of our speech and hearing camps and exhibitions during the year 1980-81:

Place at which camp was held	Duration of the Camp	No. of cases examined	Organised by
1. Hiriyur	2	983	Rotary Club
2. Sakleshpur	1	307	-do-
3. T.Narasipur	1	272	Lions Club
4. Bannur	1	113	-do-
5. Nanjangud	1	75	-do-
6. Sagar	2	375	-do-
7. Adoni	2	650	Rotary Club
10 days		2775 cases	

Thus in ten camp days a total number of 2775 cases, i.e., an average 277.5 cases were examined on each of the camp days.

Survey: Under the guidance of the National Sample Survey Organisation a survey of Speech and Hearing problems was conducted in the adjoining villages of Shivapura and Madaiah Hundi. In this programme, 168 houses were surveyed and found speech problems in eight people and in fifteen people hearing problems. This activity has been continued for the following year also.

#### Publications

(1) The VIII Volume of the AIISH Journal came out of the press and the same was distributed to staff, students and to all the subscribers. The volume attracted the interest of many non-subscribers and some copies



were also sold not only to the individuals but also to a few reputed selling agencies.

(2) Public education pamphlets: The following public education pamphlets were reprinted in English and have been widely distributed:

- i. Brochure
- ii. Does your child stammer?
- iii. You and your deaf child
- iv. Care of your hearing aids (Revised)
- v. Psychological problems with parents and children

Celebrations: The XV Anniversary of the Institute was celebrated on 9th August 1980. Mr. M.R.Sreenivas, Lecturer in Sociology, Institute of Correspondence/and Continuing Education, who is a hard of hearing case of the Institute was the Chief Guest. Likewise Lion Pooviah. Lion Pooviah was undergoing speech therapy, he presided over the function. Ms Jayshree another case of the Institute distributed gifts and Certificate of Honour and Gratitude to students who qualified in their annual examinations (in the normal schools) and to the heads of the Institutions where they were studying.

#### Visitors:

##### Guest Lectures and Specialists

On June 18, Dr. T.A. Lambo, Deputy Director-General of WHO accompanied by his wife and Dr. D.A.W. Nugent, Programme Coordinator, visited the Institute and held discussions with the Director.

Dr. Daniel Beasley, Chairman and Director, Memphis Speech and Hearing Centre, Memphis State University, Tennessee, USA, arrived on 1st Sept., to deliver a series of lectures on Audiology. On 3rd September, he inaugurated Students' Association.

On 9th December, Prof. Dr. Platting, Erlange, West Germany visited the Institute.

Eleven UNESCO members led by Mr. Zachariev, Chief Section of Structures and Contents of Education accompanied by Mr. Mir Nasrullah, Additional Secretary, Ministry of Education and Culture and Secretary General, Indian Council for Cooperation with the UNESCO visited the Instt., on 11th December 1980.

The Health Commissioner of Karnataka who is one of the members of Executive Council, Mr. Jyoti Senthnan visited the Institute and held discussions with the Director in terms of facilities to be provided to the handicapped. He visited the Institute on 5th February 1981 which happened to be his last visit. He expired on March 26.

Prof. Armin Lowe and Dr. Prem Victor addressed the staff and students on 9th March. Prof. Lowe is an educator of the deaf in the University of Heidelberg, West Germany. Dr. Victor is the President of the Society for Rehabilitation and Research of the Handicapped, New Delhi. They had come down to Bangalore to attend an All India Workshop for Educators and Parents of Deaf Children held at Max Muller Bhavan from 11th to 13th March 1981.

#### Visitors from other institutions

Staff and students from the following institutions visited the Institute:

1. Post Graduate Department of Psychology, Calicut Univ., Calicut
2. Teacher trainees from the Regional College of Education, Mysore
3. Medical College, Trivandrum
4. Librarians (for High Schools & Jr. Colleges) attending an Orientation Programme at the Regional College of Education Mysore
5. P.G. Deptt., of Psychology, University of Mysore, Mysore
6. JSS Basic Teachers Training College for Women, Mysore
7. College of Rural Home Science, University of Agricultural Sciences, Dharwad
8. Nehru Smaraka Vidya Kendra, Bangalore
9. St. Agnes College, Mangalore
10. College of Education, Harapanahalli

- 40
11. Department of Psychology, Trivandrum
  12. Medical College, Trivandrum
  13. P.G. Department of Psychology, Venkateshwara Univ., Tirupathi
  14. Sarvajna College of Education, Bangalore

Press and the Public: The Institute enjoyed a very good coverage in the Press and the public was kept informed of the many programmes undertaken and the views and opinions of the experts and the specialists on the rehabilitation of the handicapped.



## LIBRARY

This year the procurement of Books was very high when compared with the previous years. This was possible due to 50% increase in the normal budget.

We received 950 books from the University of Mysore as gift, mostly in Kannada, for light reading.

In addition to the already well acquired family of technical journals, we have added about 25 numbers this year, which would definitely help to enrich the knowledge of the readers.

The films which were hitherto with the departments were centralized, It is a very good collection. These are available for public education and training programmes.

We rendered special services like special bibliography, reference service, inter-library loan.

Cataloguing and classification of new collection of books were made. Bibliography of the articles of the journals were done.

To provide good reading accommodation for the students, triple staggered carrels are being procured. Cabinet for films and racks for journals have also been procured.

### STATISTICS OF THE LIBRARY AT A GLANCE

No. of books issued to staff and students	12360
No. of books referred by -do-	18155
Average issue per day	100
No. of new books added	1319
Total no. of books	6001
No. of journals subscribed	94
New Journals added	24
No. of journals exchanged	7
No. of journals got free	8

## TRAINING SECTION

Following table indicates the number of students admitted to BSc and MSc courses:

Course	No. of students
I BSc	18
II BSc	17
III BSc	16
I MSc	13
II MSc	15

### U.G.C. Research Fellows:

Mrs. S.R.Savithri was awarded UGC Junior Research Fellowship. She is working under the guidance of Dr. N.Rathna, at the Institute on the subject indicated below:

"Primary effort and quantity: An experimental verification"

## ESTABLISHMENT - STAFF POSITION

Sl No	Category	Sanctioned Posts			Existing staff			Remarks
		Perma- nent	Tempo- rary	Total	Perma- nent	Tempo- rary	Total	
1	Group A	15	-	15	6	7	13	Vacant: 2 posts
2	Group B	2	2	4	1	3	4	
3	Group C	28	10	38	22	11	33	Vacant: 5 posts
4	Group D	23	6	29	19	10	29	
Total		68	18	86	48	31	79	

## DIRECTOR

Dr. N.Rathna, MS (Hunter), MS (Gallaudet), MAT Ed (Indiana)

## ADMINISTRATIVE OFFICER

Sri S.Shankar, MA(Pub.Admn.), MA (Pol.Sc.), BL., R.B.V.

## DEPARTMENT OF SPEECH PATHOLOGY

1. Vacant - Professor of Speech Pathology
2. Mrs.Saraswathi Menon, M.A. (Speech) - Reader & Head of the Department
3. Mr. N.P.Nataraja, MSc (Sp & Hg) - Lecturer
4. Mr. G.Purushothama, MSc (Sp & Hg) - Lecturer
5. Mr. P.Chandra, BCom., B.Ed. - Clinical Assistant
6. Mr. M.B.Purushothama, BSc (Sp & Hg) - Clinical Assistant
7. Mr. M.G.Subramanyaiah, MSc (Sp & Hg) - Research Assistant
8. Mrs.Indira Prakash, BSc (Sp & Hg) - Itinerant Speech Therapist
9. Mr. T.Keshava Murthy - Senior Stenographer
10. Mr. B. Siddaiah - Peon



## ELECTRONICS SECTION

- |  |   |                                 |
|--|---|---------------------------------|
| 1. Mr. S.S. Murthy, M.Sc. (Technology) | - | Lecturer in Electronics         |
| 2. Mr. S.Narayana Raju, BSc., AMIE     | - | Electronics Engineer            |
| 3. Vacant                              | - | Technical Assistant             |
| 4. Mr. Srikantha, B.E. (Ele)           | - | Scientific Asst. (Upto 31-1-81) |
| 5. Vacant                              | - | Part-time Electrician           |
| 6. Mr. D.Krishnaiah                    | - | Peon                            |

## DEPARTMENT OF AUDIOLOGY

- |   |   |                            |
|---|---|----------------------------|
| 1. Dr.(Miss) Shailaja Nikam, MA(Psychology) -<br>MA (Speech), Ph.D.(Audiology &<br>Speech Sciences) | - | Professor and Head         |
| 2. Mr. M.N.Vyasamurthy, MSc (Sp & Hg)   | - | Lecturer                   |
| 3. Mr. P.J.Kumar, MSc (Sp & Hg)   | - | Lecturer                   |
| 4. Mr.Jesudas Dayalan Samuel (MSc (Sp & Hg)   | - | Lecturer                   |
| 5. Mr. E.P.Balakrishna, MA, M.Ed.   | - | Clinical Assistant         |
| 6. Mrs. S.Sowmya Mala, BSc, B.Ed.   | - | Clinical Assistant         |
| 7. Mrs. M.A. Mythili, MSc (Sp & Hg)   | - | Research Assistant         |
| 8. Mr. G.Nagarajan  | - | Prosthetic Dental Mechanic |
| 9. Smt. P.Shamanthakamani, BSc  | - | Junior Stenographer        |
| 10. Sri S.Gopal   | - | Clinical Attendant         |

## DEPARTMENT OF CLINICAL PSYCHOLOGY

- |  |   |                                   |
|--|---|-----------------------------------|
| 1. Dr. J.Bherath Raj, MA (Psychology)<br>Ph.D., D.P.M. | - | Prof. & Head of the<br>Department |
| 2. Vacant  | - | Reader                            |
| 3. Miss A.D.Bhavani, MA (Psychology),<br>DM & SP       | - | Lecturer                          |
| 4. Mrs. Iffath Aslam, BA., B.Ed.                       | - | Clinical Assistant                |
| 5. Miss S. Padmavathi Bai, B.A.                        | - | Senior Stenographer               |
| 6. Mr. Basavalingaiah L.B.                             | - | Peon                              |

## DEPARTMENT OF OTOLARYNGOLOGY

- |   |   |   |
|---|---|---|
| 1. Dr. M.V.Susheela, MBBS, MS(ENT)              | - | Reader & Head of the Dept.,<br>(upto 31-11-80 (On deputation to<br>U.K. under a Commonwealth Fellow-<br>ship) |
| 2. Dr. K.Vishnu, MBBS, MS(ENT)                  | - | Junior Otolaryngologist working<br>against the post of Lecturer in<br>Otolaryngology upto 11-2-81             |
| 3. Dr. J.Narayana, MBBS, MS(ENT)                | - | Reader & Head of the Dept., vice<br>Dr. M.V.Susheela, w.e.f. 13-3-81  |
| 4. Dr. Rathna Sabhapathi, MBBS, (MS(ENT)<br>DLO | - | Lecturer in Otolaryngology<br>w.e.f. 8-1-81   |
| 5. Smt. M.G.Mariamamma                          | - | Staff Nurse   |
| 6. Miss J. Raguna                               | - | Staff Nurse   |
| 7. Mr. S.Mallaiah                               | - | Ward Boy  |

## OFFICE AND OTHERS

- |  |   |                           |
|--|---|---------------------------|
| 1. Shri K.H.Radhakrishna, MA, B.Com                          | - | Office Superintendent     |
| 2. Sri H.J.Yoganarasimhachar, BSc                            | - | Junior Accounts Officer   |
| 3. Sri S.L.Vijayanarasimha, B.Com                            | - | Accountant                |
| 4. Mrs. Uma Saraswathi, MA, BSc, RBP,<br>Dip. in Translation | - | Hindi Translator          |
| 5. Mr. S.G.Gopinath  | - | UDC                       |
| 6. Mr. M.P.Pandurangaraj Urs                                 | - | UDC                       |
| 7. Mr. N.S.Subramanya, M.A.                                  | - | UDC & Cashier             |
| 8. Mr. L.Basavaiah, M.A.                                     | - | Store Keeper              |
| 9. Mr. L.Siddaiah  | - | Care Taker                |
| 10. Mr. G.R.Prakash  | - | LDC                       |
| 11. Mr. M.B.Shankar  | - | LDC                       |
| 12. Mr. Mallikarjunaiah, B.A.                                | - | LDC                       |
| 13. Mr. M.K.Ramappa  | - | Staff Car Driver          |
| 14. Mr. Jesurathnam, A                                       | - | Omni Bus Driver           |
| 15. Mr. P.B.Jeevan   | - | Junior Gestetner Operator |

17.	Mr. K.L. Ramasetty	-	Watchman, upto 10-10-80
18.	Mr. K.M.Venkatesh	-	Peon
19.	Mr. Thimmappa	-	Watchman (Selection Grade)
20.	Mr. Dasappa	-	Watchman
21.	Mr. Padam Bahadur	-	Watchman
22.	Mr. Bhim Bahadur	-	Peon
23.	Mr. S.Shivappa	-	Watchman
24.	Mr. K. Kannappa	-	Watchman
25.	Mr. Chowdaiah	-	Mali (Selection Grade)
26.	Mr. Marinnanjaiah	-	Mali
27.	Mr. Mahadeva	-	Mali
28.	Mr. Papanna	-	Mali
29.	Mr. Hoblaiah	-	Sweeper (Selection Grade)
30.	Mr. Rama	-	Sweeper
31.	Mr. Nanjaiah	-	Sweeper
32.	Mrs. D.N. Padma	-	Sweeper
33.	Mr. K. Ramaswamy	-	Cook (Gents Hostel)
34.	Mrs. T.N. Gowramma	-	Cook (Ladies Hostel)

## DIRECTOR'S OFFICE

Mr. M.H.Sanjeeva Murthy, B.Com., LLB -	Junior Stenographer attached to the Director
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## LIBRARY

1.	Mr. M.V.Govindarajan, M.A., B.Lib., - Sc.	-	Librarian
2.	Mr. B.Vasu, BSc., B.Lib., Sc.	-	Cataloguer upto 16-7-80
3.	Mr. Mahadeva, M.A., B.Lib., Sc.	-	Cataloguer w.e.f. 15-9-80
4.	Mr. Ameer Ahmed	-	Daftry

## MEDICAL RECORDS

1.	Vacant	-	Asst. Medical Records Officer
2.	Mr. B.S.Gururaja, BSc	-	UDC (On study leave w.e.f. 14-7-80)
3.	Mr. N.Ramachandra Rao	-	LDC
4.	Mr. R.Kannan	-	LDC
5.	Mr. Madhu	-	Peon



# PUBLICITY & INFORMATION

- |                                   |   |                             |
|-----------------------------------|---|-----------------------------|
| 1. Mr. K.Md. Fazlulla, M.A., B.L. | - | Publicity & Infmn., Officer |
| 2. Vacant                         | - | Artist-cum-Photographer     |
| 3. Mr. G.V.Ganeshaiiah            | - | Part-time Artist            |

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## APPOINTMENTS, PROMOTIONS, RETIREMENT, RESIGNATIONS, ETC.

### APPOINTMENTS

Sl No	Name	Designation	Date of appointment
1	Sri Nagamalleshu	LDC on temporary basis	25-8-80
2	Dr. N.Rathna	Director	7-9-80
3	Mrs. P.Shemanthakamani	Junior Stenographer	8-9-80
4	Mr. M.Mahadeva	Cataloguer	15-9-80
5	Mr. Rajappa	Cook	28-11-80
6	Dr. Rathna Sabhapathi	Lecturer in Otolaryngology	8-1-81
7	Dr. J.Narayana	Reader & HOD, ENT (On deputation)	13-3-81

### PROMOTIONS

- |   |                      |   |  |
|---|----------------------|---|--|
| 1 | Sri K.H.Radhakrishna | : | Promoted as Office Superintendent<br>w.e.f 25-7-1980 |
| 2 | Sri T.Keshava Murthy | : | Promoted as Senior Stenographer<br>w.e.f. 1-9-1980   |

### RETIREMENT

- |   |   |
|---|---|
| 1 | Sri K.L. Ramasetty, Watchman was permitted to retire voluntarily<br>w.e.f. 10-10-80 (A/N) |
|---|---|

### RESIGNATIONS

Sl.No.	Name	Designation	With effect from
1	Sri B. Vasu	Cataloguer	17-7-80 (A/N)
2	Sri Srikantha	Scientific Asst.	31-1-81 (A/N)

## HINDI TEACHING SCHEME

This scheme has been implemented to acquaint the staff with the working knowledge of Hindi. For that classes for Prabodh, Praveen and Pragya were conducted.

The results of the various examinations:

Year	Examination	No. appeared	No. passed
1980	Prabodh	1	1
June	Praveen	1	nil
	Pragya	3	nil
1980	Prabodh	9	2
Dec.	Praveen	12	2
	Pragya	8	nil

The Hindi daily, "Nava Bharath Times" was added to familiarise the language among the members.

A Hindi typewriter was purchased for correspondence to be made in Hindi.

Steps were taken to make the various forms trilingual. A small Library of Hindi books was established for the use of staff and students in the Institute.

## BUILDINGS

1. Construction of Audiology Block and AC Plant is under progress and nearing completion.
2. The construction of First Floor over the Clinic Block for the Department of Psychology and Library is expected to be completed by the end of July 1981.
3. The construction of 10 staff quarters in the First Phase (Type A, B, and C) the work of which commenced on May 1980 is likely to be completed by the end of July 1981.
4. The construction of 10 Staff Quarters in the Second Phase (Type A, B & C), the work of which commenced on February 1981 is likely to be completed by the end of December 1981.

## EQUIPMENT

Department of Speech Pathology	...	Rs. 1,72,369-00
Clinic	...	Rs. 41,000-00
Department of Audiology	...	Rs. 2,08,110-00
Department of Clinical Psychology	...	Rs. 46,322-00
Electronics	...	Rs. 59,420-00
		-----
Total		Rs. 5,27,221-00
		-----



The following Advisory Committees were constituted for improvement and better management of the functions assigned to each of the Committees:

I. Library Standing Committee

Dr. M.V.Susheela	..	Chairman
All Heads of the Departments	...	Members
Administrative Officer	..	Member
Junior Accounts Officer	..	Co-opted member
Librarian	..	Member-Secretary

This Committee looked into all requests for purchase of new books and subscription/renewal of journals and made suitable recommendations for the final approval of the Director. This helped to purchase 1319 new books. It also suggested ways and means for the up-keep and maintenance of the Library.

II. Agri-Horticultural Committee

Dr. (Miss) Shailaja Nikam, Prof. & Head, Dept., of Audiology	Chairman
Mr. N.P.Nataraja, Lecturer in Sp. Pathology	Member
Sri S.Shankar, Administrative Officer	Member
Sri L. Siddaiah, Care Taker	Secretary

This Committee worked for the development of the land, gardening in the campus and to grow vegetables (both at the Institute campus and the new area). It made suitable recommendations to the Director for implementation.

III. AIISH Departmental Canteen (Managing Committee)

Dr.(Miss) M.V.Susheela, Reader & Head of the Dept., of ENT	Chairman, upto 30-10-80
Sri S.Shankar, Administrative Officer	Chairman, w.e.f. 1-11-80 to 31-3-81
Sri H.J.Yoganarasimhachar, Jr. Accts. Officer	Member
Sri K.H.Radhakrishna, Office Superintendent	Member
Sri D. Krishnaiah	Member
Sri M.H.Sanjeeva Murthy, Jr. Stenographer	Hon.Secy., upto 30-10-8
Sri N.S.Subramanya, UDC	Hon.Secy., w.e.f. 1-11-80 to 31-3-81

The Committee looked after the management of the Canteen.

#### IV. Committee for Hostels

Dr. J.Bharath Raj, Prof. & Head of the Department of Clinical Psychology	..	Chairman
Mrs. Saraswathi Menon, Reader & Head of the Department of Speech Pathology	..	Member
Sri N.P.Nataraja, Lecturer, & Warden	..	Member/Secretary
Sri S.Shankar, Administrative Officer	..	Member
Two representatives elected of Gents Hostel	..	Members
Two representatives elected from among the students of Ladies Hostel	..	Members

The above Committee used to meet once a month and has looked after the needs of inmates of the hostels and has suggested ways of up keeping of the Hostels.

#### V. Official Language Implementation Committee

Dr. N.Rathna, Director	..	Chairman
Sri S.Shankar, Administrative Officer	..	Member-Secy.
Smt. Uma Saraswathi, Hindi Translator	..	Member
Dr. J.Bharath Raj, Prof. & Head of the Dept., of Clinical Psychology	..	Liaison Officer
Dr. Varadaraja Gupta, Representative from Hindi Teaching Scheme	..	Member

The members of the Committee met once in a quarter and discussed about its use and progress made in popularising it.

## ACCOUNTS

SUMMARY OF PROVISIONS PROPOSED FOR REVISED ESTIMATES 1980-81 AND BUDGET  
NON-PLAN

Sl No	Budget Head	Actuals 1979-80	Budget Esti- mates 80-81	Revised Estimates 1980-81		Tot
				Actuals for 5 months	Anticipated for 7 months	
1	<u>SALARIES</u>					
	a. Sanctioned posts:					
	i) Filled up posts	6.70	6.36	3.09	4.45	
	ii) Vacant posts	-	1.21	-	0.39	
	b. Fresh posts	-	-	-	0.03	
	Total	6.70	7.57	3.09	4.87	
2	Other Allowances	0.21	0.21	0.13	0.18	
3	Travel Expenses	0.26	0.30	0.12	0.14	
4	Advances	0.27	0.30	0.04	0.37	
5	CPF/LS and Pension Contribution	0.58	0.65	0.01	0.64	
6	Payment to Professional Services	0.20	0.18	0.07	0.12	
7	Minor Works	0.61	0.40	0.80	0.45	
8	Machinery & Equipment	1.00	1.50	0.12	1.38	
9	Library & Documentation	0.57	0.40	0.33	0.42	
10	Furniture	0.50	0.35	0.13	0.37	
11	Scholarship/stipend	0.86	1.10	0.13	1.01	
12	Other charges	2.65	3.04	1.36	2.73	
	Total	14.41	16.00	6.33	12.68	
	Less Receipts anticipated	-	-	0.45	0.44	
	Actual Demands for grants	14.41	16.00	5.88	12.24	



SUMMARY OF PROVISIONS PROPOSED IN R.E. 1980-81 (PLAN)  
AND B.E. 81-82 (PLAN)

(Rs. in lakhs)

Sl.No.	Budget Head	B.E. 80-81	Revised Estimates 1980-81			B.E. 1981-82
			Actuals upto Sept.80	Anticipated	Total	
1	Salaries:					
	a) Sanctioned posts:					
	i) Filled up posts	-	-	-	-	-
	ii) Vacant posts	0.07	-	-	-	-
	b) Fresh posts	1.05	-	0.16	0.16	1.23
2	Other Allowances	0.18	-	0.22	0.22*	0.25*
3	Contribution to P.F.	-	-	-	-	-
4	Equipment	3.90	2.39	1.31	3.70	5.05
5	Furniture	0.30	-	0.19	0.19*	0.69*
6	Major Works	2.50	-	4.27	4.27	3.23
7	Other Charges	-	-	0.14	0.14*	0.20*
	Total	8.00	2.39	6.29	8.68	10.65

\*Lumpsum

## WELFARE FUND

Financial aid was given to twentyone cases. This facility was made available to the economically weaker people to meet the cost of hearing aid spares, medicines and the transport charges.

Opening Balance	...	Rs. 8,535-33
Receipts	...	Rs. 1,179-00
Payments	...	Rs. 643-55
Closing Balance	...	Rs. 9,070-78