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1962

## PACS Bulletin 1962-1963

Program in Audiology and Communication Sciences  
*Washington University School of Medicine*

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# Central Institute for the Deaf

ST. LOUIS, MISSOURI

## TEACHER EDUCATION AND PROFESSIONAL COURSES BULLETIN

1962-1963

### HISTORICAL STATEMENT

From its founding in 1914, Central Institute has conducted a program of preparation for teachers and other professional personnel in the field of speech and hearing disorders. The Institute was a pioneer in this area of specialized professional education and played a major role in developing educational techniques and standards.

In February, 1931, the Teacher Training College of Central Institute was officially affiliated with University College of Washington University. By virtue of this affiliation, the degree of Bachelor of Science in Education is granted to qualified graduates of the Teachers College of Central Institute who meet the requirements established by the Advisory Board.

In September, 1936, the Board of Graduate Studies of Washington University approved a program leading to the degree of Master of Science in Education for qualified students through the School of Graduate Studies. Subsequently, a combination of course offerings was established to lead to the degrees of Master of Science in Speech and Hearing and Master of Arts in Speech and Hearing. The latter is now offered as Master of Arts in Audiology.

In September, 1947, the curriculum for the Ph.D. in Audiology was established. Audiology is an interdepartmental area which utilizes courses relevant to speech and hearing that are offered by the Departments of Anatomy, Education, Electrical Engineering, Otolaryngology, Neuropsychiatry, Physics, Physiology, Psychology, and Zoology. The chief subdivisions within the area of Audiology, one or more of which will form the core of a student's program of study, are Physical Acoustics, Electroacoustics, Auditory Biophysics, Neurophysiology of Audition, Psychoacoustics, Education of the Deaf, and Speech Pathology. Desirable preparatory courses vary, depending on the student's interests within the area of Audiology, but at least elementary courses in Biology, Physics, Psychology, and Mathematics are required for all candidates. A knowledge of the principles of inorganic and organic chemistry, including practice in the elements of volumetric analysis, will be expected of students who wish to specialize in auditory biophysics or neurophysiology.

#### PURPOSE

The purpose of the Teachers College is to prepare students to meet the variety of problems presented by deaf, hard-of-hearing and speech impaired individuals. The graduate is qualified to carry out an oral (speech, lip-reading, and auditory training) educational program for deaf and hard-of-hearing children and adults. In addition the student is prepared to administer hearing tests, to carry on work in hearing con-

servation and to consult in the selection of hearing aids. Comprehensive preparation in speech correction qualifies the student to engage in the correction of speech defects in children and adults. The Institute has an intensive and active program dealing with aphasic children. The integration of work in speech correction with the program for the deaf and hard-of-hearing is essential since both fields are mutually related. The desirability of integrated training in both fields has been recognized by school and clinic authorities who are increasingly stipulating the combined preparation as a qualification for professional appointment.

The demand for qualified graduates far exceeds the supply and the opportunities for constructive service are practically unlimited. Graduates of the College are practicing their profession in public and private residential and day schools for the deaf, in school systems, in universities and in hospitals throughout the United States and in other parts of the world.

The degree in Audiology prepares students for high level clinical and research responsibilities.

#### THE STUDENT BODY

The students of the Teacher Education Program are a group of men and women carefully selected on the basis of academic, physical and psychological qualifications. There is a wide geographic distribution of points of origin of members of the group. Not only have most of the states of the Union been represented at some time or other, but foreign countries including Argentina, Australia, Canada, Chile, China, Colombia, Denmark, El Salvador, England, Finland, French Morocco, Guatemala, Honduras, India, Israel, Jamaica, Japan, Mexico, Norway, Philippines, South Africa and Venezuela have had their share of representation. The influence of the College is, therefore, truly international.

Students enrolled at Washington University may take selected courses at the Institute. Professional workers already in the field interested in advanced or refresher work are encouraged to consult the Registrar about courses that may meet their needs.

#### THE FACULTY

The faculty of the Teachers College is comprised of highly qualified individuals, each of whom is a specialist in his own field. Originating in academic institutions all over the nation, the faculty constitutes an educationally and scientifically cosmopolitan group. Although members of the faculty are specialists in different fields, they are ever sensitive to the broad purposes of Central Institute.

The college faculty also directs its attention to vital problems of research in the classrooms, laboratories and clinics of the Institute. With the assistance of students who gain valuable experience therein and, in some instances, in cooperation with various departments of Washington University, the answers to many challenging questions are sought. The research program is described in more detail in the comprehensive brochure of the Institute and in the annual report of the Research Department.

Visiting lecturers from other divisions of Washington University working in fields related to speech and hearing frequently address the students.

#### AFFILIATION WITH WASHINGTON UNIVERSITY

An advisory board composed of members of the staff of Washington University in cooperation with administrative officers of the Teachers College supervises the relationship between the University and the Insti-

tute. Requirements for admission, comprehensive examinations and appointments to the college faculty fall within the jurisdiction of the Advisory Board.

#### GENERAL PLAN OF INSTRUCTION

The program is broad in scope and after the student has acquired basic fundamentals he is encouraged to follow in his practicum that particular branch of work for which he shows preference and aptitude.

The availability on the premises of a functioning school for the deaf, for the hard-of-hearing and for speech handicapped individuals, and associated clinics makes possible a desirable balance between theory and practice. In preliminary stages of preparation the student is assigned to observe special groups and the schedule is so rotated that he is exposed to every phase of the Institute's program. The student is then given an opportunity to put into practice under competent supervision what he has observed and studied. For example, after a period of lectures in speech pathology the student is assigned to the Speech Clinic where his practice is constructively criticized by the clinicians in charge.

Students are often called upon to assist in counselling and directing children during out-of-school hours. Since the Institute is also a residential establishment an important function devolves upon the counsellors. They play a vital role in directing the child's individual and social development through games, hobbies, athletic contests, dances, trips, scout work, and other similar experiences. In this way the child is encouraged to implement outside the schoolroom what he has learned in it and the student teacher gains invaluable experience in assisting him. Frequent conferences are scheduled for the guidance and counselling of individual students.

The Institute houses one of the outstanding libraries in the nation devoted to speech and hearing and related fields. In the Clinic and Research building are the significant Max A. Goldstein collections that include specimens showing the evolution of the non-electrical hearing aid and early editions of books dealing with Speech and Hearing.

#### FEES AND EXPENSES

A *matriculation fee* of \$5.00 is required upon registration. *Tuition* for each year is \$500.00, payable as follows: \$50.00 initial payment upon acceptance for admission, \$200.00 at opening of first semester and \$250.00 at the beginning of each subsequent semester.\*

A *diploma fee* of \$3.00 is payable prior to graduation.

A *laboratory fee* of \$10.00 is payable in those graduate courses requiring the use of animal material.

An outlay of \$100.00 for *books and supplies* is sufficient to carry the student for the entire course.

An *annual health service fee* of \$2.00 is required in advance.

*Room and board* is available to college students at the rate of \$800.00 per academic year, payable monthly in advance. Students are not accepted for room or board separately. Commitment must be made for both services.

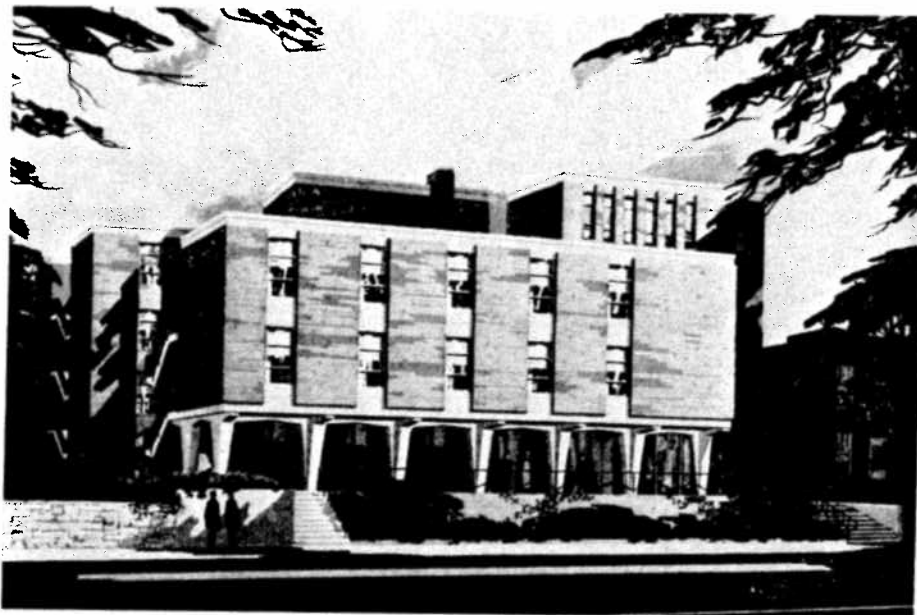
Failure to pay bills on due dates or to make arrangements for them is cause for immediate dismissal.

*There is no provision for serving specially prepared food in the dining room, and cooking in the residence hall is not permitted.*

\* If the student withdraws from the course before four weeks of the semester have elapsed tuition will be refunded on a prorata basis. No refunds will be made for subsequent withdrawal except for reason of poor health or other extenuating circumstances; the decision as to amount of refund in the latter case to rest with administrative officers of the college.

## HOUSING

Housing for approximately 80 men and women college students and older deaf children is provided in a building of modern design on the north side of Clayton avenue across the street from the main school building at 818 S. Kingshighway. In general, there are 2 students in each room.



Residence Hall for College Students

## SCHOLARSHIPS AND SELF HELP

### *The Max A. Goldstein Scholarship.*

This scholarship is derived from annual contributions of the alumni of the Teachers College and provides *tuition fees for one year*. Award is made to a student usually in the senior year, upon recommendation of the college faculty.

The Institute has a grant from the Office of Vocational Rehabilitation of the Department of Health, Education and Welfare of the United States Government that provides a limited number of traineeships for graduate study.

Federal Scholarships under Public Law No. 87-276 are available.

Other scholarships and some grants-in-aid are available to qualified students. In recent years scholarships and grants-in-aid have been received by the College from the Parent Teachers Association of Central Institute for the Deaf, W. T. Grant Foundation, The Quota Club of St. Louis, The District Quota Club, Lionettes, Danforth Foundation, Delta Theta Tau Sorority (Iota Nu Chapter), Mr. and Mrs. Lloyd Farquhar, Johnnie Ray Foundation and others.

Opportunities for self-help through remunerative employment on the premises of the Institute are available. This employment usually consists of counselling with the children after school hours, study hall and clerical duties. Students are also permitted to sign promissory notes to meet tuition obligations.

Application for scholarships, employment and loans should be addressed to the Registrar.

## VETERANS

The College is accredited to accept veterans of World War II and the Korean War.

## RECREATION

The City of St. Louis affords excellent opportunities for recreation and cultural activities. The location of the Institute across from Forest Park places facilities for walking, boating, tennis, golf, and riding at the easy disposal of the student. The park also contains an outstanding zoo and an excellent art museum.

## DISMISSALS

The administrative officers reserve the right to dismiss a student who fails to show professional promise or who is guilty of infraction of rules and discipline.

## ENTRANCE REQUIREMENTS

Successful completion in the College of Liberal Arts or University College of Washington University or in any other University or accredited College of the pre-professional curriculum outlined below. A total of 64 units must be completed.

	Units
English Composition .....	6
English Literature <sup>1</sup> .....	6
Modern Foreign Language (two years) <sup>2</sup> .....	12
Two Natural Sciences .....	12
(6 units in a biological and 6 units in a physical science) <sup>3</sup>	
Sociology <sup>4</sup> .....	6
Education .....	6
(Educational Psychology 3, Principles, Introduction, History, or Philosophy of Education 3)	
General Psychology .....	6
Physical Education .....	4
(Mathematics, though not required, is strongly urged.)	

### *Physical*

All applicants must have perfect hearing, speech, and vision (or corrected with glasses), and a well-shaped mouth, as these are important in the teaching of speech and lipreading.

Applicants over 36 years of age are not encouraged to enroll except in special circumstances.

## PROFESSIONAL CURRICULUM

	Units of Credit <sup>5</sup>
<b>First Semester</b>	
Physics of Sound .....	1
Anatomy and Physiology of Speech and Hearing .....	2
Introduction to Phonetics for the Deaf and Speech Handicapped .....	3
Child Development .....	3
Principles of Aural Rehabilitation—Lip Reading .....	2
Observation* .....	0
Language for the Deaf .....	2
Speech Correction and Pathology .....	2
Education of Preschool Deaf Children .....	2
<b>Total</b> .....	<b>17</b>

<sup>1</sup>American Literature does not satisfy this requirement.

<sup>2</sup>This may be waived if equivalent courses were completed in high school, the equivalent to be two years of high school language for each 6 units of college language. Students presenting two years of one language may satisfy the requirement by completing one year of an advanced course in the same language.

<sup>3</sup>Biology, Physiology, or Zoology under biological science, and Physics under physical science are desirable. A course in Physical Science, Basic or General, and in Biological Science, Basic or General, will satisfy the requirements in the Natural Sciences.

<sup>4</sup>Educational Sociology is acceptable.

<sup>5</sup>A unit of credit is equivalent to one semester hour.

\*Related to lectures in other courses.

	Units of Credit <sup>s</sup>
<b>Second Semester</b>	
Physics of Sound .....	2
Pathology of Speech and Hearing .....	2
History and Administration of Education of the Deaf and Speech Handicapped .....	1
Speech for the Deaf .....	2
Psychological Tests and Measurements for the Deaf and Speech Handicapped .....	2
Principles of Aural Rehabilitation—Auditory Training .....	1
Observation .....	1
Language for the Deaf .....	3
Speech Correction and Speech Pathology .....	2
Total .....	17

#### SENIOR YEAR

<b>First Semester</b>	
The Assessment and Teaching of Aphasic Children .....	3
Speech Clinic .....	2
Practice Teaching .....	2
Practice in Aural Rehabilitation .....	1
Audiometry and Hearing Aids .....	2
Speech for the Deaf .....	2
Abnormal Psychology .....	3
Reading for the Deaf .....	2
Total .....	16

<b>Second Semester</b>	
The Assessment and Teaching of Aphasic Children .....	3
Speech Clinic .....	2
Practice Teaching .....	6
Practice and Observation in Audiometry and Psychometry .....	2
Principles of Teaching Elementary School Subjects .....	3
Practice in Aural Rehabilitation .....	1
Total .....	17

#### COURSES FOR GRADUATE STUDENTS

##### *Entrance Requirements*

The professional curriculum or its equivalent is a pre-requisite for the professional degree of Master of Science in Speech and Hearing. For certain specially qualified students this requirement may be waived, subject to the approval of the officers of the Teachers College and the Dean of the Graduate School of Arts and Sciences.

##### *Requirements for the Degrees of Master of Science in Speech and Hearing and Master of Arts in Audiology*

Candidates for the degree of Master of Science in Speech and Hearing must present 33 units of graduate credit. At least 12 units of credit must be elected from courses open only to graduate students. In one of these courses the candidate is expected to do some individual work, not necessarily of an experimental nature. A preliminary and a final oral examination must be passed by those desiring to qualify for the degree.

Candidates for the degree of Master of Arts in Audiology must present 24 units of graduate credit. At least 12 units of credit must be elected from the courses open only to graduate students. The student must present a dissertation and must pass a final oral examination.

The following courses carry graduate credit for students with adequate preparation:

	Units of Credit
Anatomy and Physiology of Speech and Hearing .....	2
Pathology of Speech and Hearing .....	2
Psychological Tests and Measurements for the Deaf and Speech Handicapped .....	2
Psychophysics of Hearing .....	3
Child Development .....	3
Abnormal Psychology .....	3
Audiometry and Hearing Aids .....	2
The Assessment and Teaching of Aphasic Children.....	6

The following courses are open only to graduate students:

Seminar in Physiology of Hearing .....	3
Research in Physiology of Hearing .....	3
Seminar in Psychology of the Deaf and the Speech Handicapped .....	3
Seminar in Psychoacoustics.....	Credit to be arranged
Research Seminar in Audiology .....	Credit to be arranged
Communication Engineering and Signal Analysis .....	3
Electroacoustics .....	3
Research in Electroacoustics.....	Credit to be arranged
Applied Audiology .....	6
Aphasia and Related Disorders of Speech .....	3
Seminar in Speech Pathology .....	3
Journal Club .....	3
Research in Training of Deaf and Speech Handicapped .....	Credit to be arranged

Related courses available to graduate students can be found in the bulletin of the Graduate School of Arts and Sciences of Washington University.

For detailed information concerning the Ph.D. degree in Audiology, consult the bulletin of the Graduate School of Arts and Sciences, which may be obtained by writing to the Dean of the Graduate School of Arts and Sciences, Washington University, St. Louis 5, Missouri.

#### DESCRIPTION OF COURSES

*Physics of Sound.* Principles of acoustics and electricity basic to the understanding of auditory stimuli, speech production, and instruments used by workers with the deaf and speech handicapped, the use of tuning forks, audiometers, individual and group hearing aids, and other electro-acoustic devices. (Eldredge)

*Introduction to Phonetics for the Deaf and Speech Handicapped.* Systems of orthography, including International Phonetic Alphabet; study of factors influencing intelligibility of speech of deaf children. (Silverman)

*Speech for the Deaf.* Development of speech in deaf children through the multisensory approach; demonstrations and practice. (Silverman)

*Psychological Tests and Measurements for the Deaf and Speech Handicapped.* A study of the tests used to measure the intelligence and school achievement of children; history of testing the deaf child; application of standardized tests to deaf and speech handicapped children; demonstrations of the administration and scoring of these tests; uses and interpretation of test results. (Lane)

*Child Development.* A study of the development of the child from birth through adolescence, his sensory mechanism, motor skills, learning, language growth, emotional and social behavior. (Lane)

*Abnormal Psychology.* A survey of organic and functional disorders of the sensory, motor and association mechanism; mental deficiency; psychoneuroses; psychoses; mental hygiene and therapy. (Lane)



*Anatomy and Physiology of Speech and Hearing.* A condensed course on the anatomy and physiology of the organs of speech and of the ear. (Davis, Eldredge)

*Pathology of Speech and Hearing.* A review of the pathology of hearing with special attention to middle ear infection, otosclerosis, congenital defects, presbycusis and other forms of cochlear and central impairments of hearing; a neurophysiological approach to the problems of sensory and motor aphasia. (Davis, Eldredge)

*Education of Preschool Deaf Children.* A survey of the history of the Nursery School Movement in America and other countries; the development and training of the child from birth to his fifth year; application of preschool procedures to the teaching of the deaf. (Templeman)

*Principles of Aural Rehabilitation—(Lip Reading).* A presentation and interpretation of systems of instruction for use in the teaching of lip reading to the hard of hearing child and adult. Special consideration is given to pupil types and speech conservation. (Simmons)

*Principles of Aural Rehabilitation—Auditory Training.* Principles and methods of training residual hearing; use of amplifying devices; demonstration and practice. (Simmons)

*Practice of Aural Rehabilitation.* Application of methods under supervision in Aural Rehabilitation for children and adults; preparation of supplementary graded material. (Simmons)

*Language for the Deaf.* Principles and Methods of Developing Language in Deaf Children. Demonstrations and Observations of Methods. (Woodward)

*Reading for the Deaf.* Principles and methods of teaching reading to deaf children; demonstrations and observations of methods. (Simmons)

*Principles of Teaching Elementary School Subjects.* Principles and methods of teaching elementary school subject matter to deaf children; demonstrations and observations of methods. (Simmons)

*Speech Correction and Pathology.* Study of manifestations, causes and treatment of defects of speech and voice. Basic evaluative and therapeutic procedures for voice disorders, articulatory defects, stuttering, cleft palate, cerebral palsy and adult aphasia, including comparison of various corrective procedures in current use. Lectures, reading, demonstrations and supervised practice in the Speech Clinic. (Kleffner)

*The Assessment and Teaching of Aphasic Children.* Study of the differential diagnosis and teaching of children with aphasic disorders. The course presents in detail the techniques for teaching aphasic children, developed and used at Central Institute. Lectures, demonstrations and supervised practice in Speech Clinic and classrooms. (Kleffner)

*Speech Clinic.* The operation of a speech clinic; diagnosis, observation and practice with various types of speech defects. (Kleffner and Staff)

*History and Administration of the Education of the Deaf and Speech Handicapped.* Historical development of present methods; current trends and problems; guidance for the deaf. (Silverman)

*Audiometry and Hearing Aids.* Principles and practice of tests of auditory functions; pure tone and speech audiometry; diagnostic and prognostic significance of tests; clinical selection of hearing aids for children and adults. (Hirsh\* and Shore)

\*On leave of absence 1962-63.

*Observation.* Directed classroom observation in all departments. (Staff)

*Practice Teaching.* Systematic training in the technique of teaching deaf and speech handicapped children; classroom procedure; demonstrations and practice following these methods. (Staff)

*Seminar in Physiology of Hearing.* Consideration of problems in audition from experimental and theoretical point of view. (Davis and Eldredge)

*Research in Physiology of Hearing.* (Davis and Eldredge)

*Seminar in Psychology of the Deaf and the Speech Handicapped.* Behavior "problems," their manifestations and treatment; the effect of deafness on educational achievement and personality; adolescence and deafness; adjustments to normal environment; vocational guidance. (Lane)

*Psychophysics of Hearing.* Measurement and control of sounds, experimental procedures and results in psychoacoustics. Acoustic and phonetic analysis of speech. Principles and perception of speech and other complex sounds. Elementary analysis of the information content of different language units. (Hirsh)

*Seminar in Psychoacoustics.* A discussion of problems in hearing in which members of the seminar report on various subject matters by surveying the experimental literature. The general subject-matter emphasis will change from year to year. (Hirsh)

*Research Seminar in Audiology.* Presentation and critical discussion of ongoing research at Central Institute and in peripheral departments of the University. (Research Staff)

*Communication Engineering and Signal Analysis.* Fundamental concepts of electrical communication engineering, representation of sinusoidal signals by phasors, impedance, electric circuit analysis, vacuum tube and transistor amplifiers, oscillators, Fourier transformer pairs, analysis of random signals, including power spectra and autocorrelation functions. (Cox) (Prerequisite: College Algebra)

*Electroacoustics.* Fundamentals of practical acoustics, terminology, and applications to room acoustics and noise problems, electroacoustic transducers and systems. Applications to hearing aids, audiometers, amplifying and recording systems. (Cox) (Prerequisite: Communication Engineering and Signal Analysis)

*Research in Electroacoustics.* (Cox)

*Applied Audiology.* Discussion and practice of the implementation of the tests of auditory function; principles and techniques of audiological assessment; selection of hearing aids; management of audiology clinic and its relation to the community. (Silverman and Goldstein)

*Aphasia and Related Disorders of Speech.* Survey of historical and contemporary literature dealing with speech and language disorders resulting from cortical lesions. Study and comparison of theories and concepts of major authorities regarding: cortical anatomy and function; agnosia, apraxia, and aphasia; rationale of diagnostic tests, systems of classification, and methods of therapy. Lectures, readings, reports, case presentations and demonstrations. (Kleffner)

*Seminar in Speech Pathology.* Study and discussion of problems in speech pathology; surveys of historical and contemporary literature, major theories, etiology, and research. Subject emphasis may change from year to year. (Kleffner)

*Journal Club.* Critical discussions of professional periodicals and current books dealing with speech and hearing disorders and related fields. (Silverman)

*Research in Training of Deaf and Speech Handicapped.* (Staff)

*Practice and Observation in Audiometry and Psychometry.* Observation in various clinics of the Institute and in the Audiology section of McMillan Hospital, Washington University; opportunities to assist senior clinicians. (Staff)

Not all of the above courses are offered annually. Course offerings will depend on demand. The officers of the College reserve the right to cancel courses.

#### ADVISORY BOARD

Earnest Brandenburg, Ph.D., Chairman.....Dean, University College  
Guy A. Cardwell, Ph.D.....Professor of English  
Robert J. Schaefer, Ph.D.....Professor of Education  
Marion E. Bunch, Ph.D.....Professor of Psychology  
Theodore E. Walsh, M.D., M.R.C.S., L.R.C.P., Professor of Otolaryngology  
S. Richard Silverman, Ph.D., D.Litt., L.H.D.....Director  
Helen S. Lane, Ph.D.....Principal

#### ADMINISTRATIVE OFFICERS

Earnest H. Brandenburg, Ph.D.....Dean of University College,  
Washington University  
S. Richard Silverman, Ph.D., D.Litt., L.H.D.....Director of Central Institute  
Helen S. Lane, Ph.D.....Principal of Central Institute

#### FACULTY

William S. Brandhorst, D.D.S., M.S.....Lecturer in Clinical Orthodontics  
(Visiting)  
Jerome R. Cox, Sc.D.....Professor of Electrical Engineering  
Harold Cutler, M.D.....Instructor in Clinical Otolaryngology  
Hallowell Davis, M.D., Sc.D.....Research Professor of Otolaryngology,  
Professor of Physiology  
Donald Eldredge, M.D.....Research Associate Professor of Otolaryngology,  
Lecturer in Physics of Sound  
Robert Goldstein, Ph.D.....Assistant Professor of Audiology  
Ira J. Hirsh, Ph.D.....Research Associate in Audiology,  
Professor of Psychology  
Frank R. Kleffner, Ph.D.....Associate Professor of Speech  
Helen S. Lane, Ph.D.....Professor of Education  
James D. Miller, Ph.D.....Assistant Professor of Psychology  
L. Woodrow O'Brien, D.D.S.....Associate Professor of Clinical Prosthesis  
(Visiting)  
Irvin Shore, M.A.....Instructor in Audiology  
S. Richard Silverman, Ph.D., D.Litt., L.H.D.....Professor of Audiology  
Miss Audrey Ann Simmons, M.S.....Instructor in Education  
Miss May Templeman, B.S.....Lecturer in Pre-School Methods  
Miss Helen M. E. Woodward, A.B.....Lecturer in Education of the Deaf

\* \* \* \* \*

Mrs. Elsa K. Pierce.....Assistant to the Registrar and  
Residence Hall Counselor

## STUDENTS

*Max A. Goldstein Scholar*  
 Patricia Stillman

### *Students Completing Teacher Education Program, June 1962*

Iris Abelson .....	Chattanooga, Tennessee
Barbara Schneider Anderson .....	Oshkosh, Wisconsin
Judith Bleich Appel .....	Olivette, Missouri
Caroline Carpenter .....	St. Louis County, Missouri
Elynor Keyser Flegel .....	University City, Missouri
Jean Gardner .....	Tampa, Florida
Marilyn Dubinsky Goldwasser .....	Ladue, Missouri
Harriet Gomberg .....	St. Louis County, Missouri
Bonnie Hirsch Hurwitz .....	Clayton, Missouri
Iris Karsh .....	University City, Missouri
Marcia Lee .....	Omaha, Nebraska
Judith Long .....	Montreal, Quebec, Canada
Connie McCleary .....	Fullerton, California
Judith McFall .....	Santa Monica, California
Mary Alice Moon .....	Kansas City, Missouri
Elaine Walter .....	Tomball, Texas

### *Seniors*

Jill Auerbach .....	Mission, Kansas
Mrs. Margalite Ben-Zvi .....	Ber-Sheva, Israel
Bonnie Bills .....	St. Louis, Missouri
Carol Crenshaw .....	Detroit, Michigan
America Cuellar .....	San Salvador, El Salvador
Elizabeth Cunliff .....	Webster Groves, Missouri
Patricia Favalon .....	Cuyahoga Falls, Ohio
Carol Greenspan .....	Olivette, Missouri
Julie Levy .....	Clayton, Missouri
Susan Mann .....	Kansas City, Missouri
Annette Meyer .....	Clayton, Missouri
Anne Mitchell .....	University City, Missouri
Luisa Elena Pachano Amundaray .....	Caracas, Venezuela
Judith Reichle .....	Webster Groves, Missouri
Jane Rudolph .....	Clayton, Missouri
Barbara Smith .....	Boalsburg, Pennsylvania
Elsa Sommers .....	Chicago, Illinois
Patricia Stillman .....	Brentwood, Missouri
Joan Strassner .....	Clayton, Missouri
Carol Vegely .....	Webster Groves, Missouri
Mrs. Doris Walters .....	Louisville, Kentucky

### *Juniors*

*Mrs. Alaine Arndt .....	St. Louis, Missouri
Beverly Baruchman .....	Memphis, Tennessee
Barbara Bayer .....	Houston, Texas
Pamela Callison .....	East St. Louis, Illinois
Mrs. Mary Sue Clark .....	Dallas, Texas
*Mrs. Helen Cronin .....	St. Louis, Missouri
Mrs. Marilyn Epp .....	St. Louis, Missouri

Harlyn Fein .....	Little Rock, Arkansas
Phyllis Fishel .....	University City, Missouri
Carolyn Fredrick .....	Detroit, Michigan
Susan Glaser .....	Clayton, Missouri
Louise Goldsmith .....	Evanston, Illinois
*Mrs. Patricia Gerry .....	Webster Groves, Missouri
Mrs. Patricia Jones .....	Kirkwood, Missouri
Lois Levin .....	St. Louis, Missouri
Helena Manrique .....	Bogota, Colombia
Mary Michael .....	Glendora, Michigan
Margaret Ann Patton .....	Morganton, North Carolina
Barbara Pike .....	Jennings, Missouri
Betty Pollak .....	Cincinnati, Ohio
Mrs. Jeanette Radford .....	St. Louis, Missouri
Melody Reichman .....	Highland Park, Illinois
Victoria Romero .....	University City, Missouri
Mrs. Linda Slan .....	East St. Louis, Illinois
Sallye Steiner .....	St. Louis, Missouri
Joan-Ellen Zeffren .....	Rock Island, Illinois
Mrs. Sara Welch .....	Collierville, Tennessee

\*Special Student

*Research Fellows*

David J. Lilly, Ph.D. (NIH) .....	Pittsburgh, Pennsylvania
Truman Mast, M.D. (NIH) .....	St. Louis, Missouri

*Staff Members Enrolled for Graduate Study*

Mrs. Virginia Armbruster, B.S.	Joseph Hartung, M.A.
Kirti Charan, M.S.	Dorothy Land, B.S.
C. Ann Feagan, B.A.	Miriam Mueller, B.S.
Roy Gengel, M.S.	Mrs. Carol F. Warshaw, B.S.
	Peter Weston, A.B.

CALENDAR

Classes for the first semester usually commence the latter part of September.

There are extended recesses for Christmas and Easter.

The following legal holidays are observed: Thanksgiving, Washington's Birthday and Memorial Day.

The school year is usually concluded during the early part of June.

A detailed calendar is posted at the beginning of each semester.

There are no mid-year admissions. Students must enter in the fall.

All inquiries should be addressed to:

REGISTRAR  
CENTRAL INSTITUTE FOR THE DEAF  
818 S. Kingshighway  
St. Louis 10, Missouri