

INSTITUTE OF PHONETICS
 JULY 1, 1982 - JUNE 30, 1983

I. PERSONNEL OF THE INSTITUTE

PROFESSOR:

Jørgen Rischel, dr.phil.

ASSOCIATE PROFESSORS:

Børge Frøkjær-Jensen, cand.mag. (seconded to the Audiologopedic
 Research Group)

Peter Holtse, cand.phil.

Birgit Hutter, cand.mag.

Niels Reinholdt Petersen, cand.phil.

Nina Thorsen, lic.phil.

Oluf Thorsen, cand.mag.

TEACHING ASSISTANTS:

Michael Bundgaard, stud.mag.

Peter Molbæk Hansen, cand.mag.

Eva Rosenvold, cand.mag.

ENGINEERS:

Otto Bertelsen, M.Sc.

Preben Dømler, B.Sc.

TECHNICIAN:

Svend-Erik Lystlund

SECRETARY:

Else Parkmann

TEACHERS FROM OTHER INSTITUTES:

Henning Andersen, Ph.D. (Institute of Linguistics)

GUEST RESEARCHERS:

Eli Fischer-Jørgensen, dr.phil.h.c.

Amon Thavisak, M.A., Mahidol University, Bangkok
 (October 1982 - June 1983)

Chalida Rojanawathanavuthi, M.A., Chulalongkorn
 University (October 1982 - June 1983)

II. PUBLICATIONS BY STAFF MEMBERS

Françoise Andersen in collaboration with Oluf Thorsen
La prononciation en chansons, Samfundslitteratur, Copen-
 hagen 1982, 70 pp.

Birgit Hutter "Næseflow til vurdering af velofaryngal insufficiens - nogle foreløbige iagttagelser", Nordisk Tidsskrift for Logopædi og Foniatri (Scandinavian Journal of Logopedics and Phoniatrics), 7/2, 1982, pp. 135-146.

Jørgen Rischel "Review article: Quantity in historical phonology", Nordic Journal of Linguistics 5, 1982, pp. 163-171.

Jørgen Rischel Indføring i fonologiske grundbegreber, 185 pp.

Jørgen Rischel "Language policy and language survival in the North Atlantic parts of Denmark", Gegenwärtige Tendenzen der Kontakt-linguistik, ed. P. Nelde, 1983, pp. 203-212.

Nina Thorsen "On the variability in Fo patterning and the function of Fo timing in languages where pitch cues stress", Phonetica 39, 1982, pp. 302-316.

Nina Thorsen "Two issues in the prosody of Standard Danish", in A. Cutler and D.R. Ladd (eds.) Prosody: Models and Measurements, Springer-Verlag, Berlin 1983, pp. 27-38.

Nina Thorsen Review of M. Rossi, A. Di Cristo, D. Hirst, P. Martin, Y. Nishinuma: L'intonation, de l'acoustique à la sémantique, Phonetica 40, 1983, pp. 86-87.

Nina Thorsen "Beskrivelsen af dansk ytringsprosodi - en statusrapport" Dansk Audiologopædi 18, 1982, pp. 104-111.

III. LECTURES AND COURSES

1. ELEMENTARY COURSES IN GENERAL PHONETICS AND LINGUISTICS

One semester course (two hours a week) in elementary general phonetics (intended for students of phonetics and linguistics) were given by Niels Reinholt Petersen in the autumn semester 1982.

Courses in general and German phonetics were given by Michael Bundgaard in the autumn semester 1982 (one hour a week), and by Peter Holtse in the spring semester 1983 (two hours a week).

Two courses in general phonetics, for students of Modern Greek and for students of Italian (two hours a week), were given by Eva Rosenvold in the autumn semester of 1982.

Courses in general and Russian phonetics (two hours a week) were given by Peter Molbæk Hansen in the spring semester 1983.

An introductory course in general linguistics (two hours a week) was given in the autumn semester 1982 by Henning Andersen.

2. PRACTICAL EXERCISES IN EAR-TRAINING AND PHONETIC TRANSCRIPTION

Based on tape recordings as well as work with informants, courses of two hours a week were given as follows:

Consonants, in the autumn semester 1982 by Birgit Hutter.

Vowels and prosody, in the spring semester 1983 by Nina Thorsen.

Advanced students, in the autumn semester 1982 by Oluf Thorsen.

3. PHONOLOGY

Courses in phonology (two hours a week) were given by Peter Molbæk Hansen for more advanced students in the autumn semester 1982, and for beginners in the spring semester 1983 by Oluf Thorsen.

4. PHYSIOLOGY AND ACOUSTICS OF SPEECH

A course in the physiology of speech (two hours a week) was given in the autumn semester 1982 by Birgit Hutter.

A course in instrumental physiological phonetics (two hours a week plus individual exercises) was given by Birgit Hutter in the spring semester 1983.

An intensive course in instrumental experimental methods in phonetic research (two hours a week plus individual exercises) was given in the autumn semester 1982 by Peter Holtse, Niels Reinholt Petersen, and Jørgen Rischel.

5. OTHER COURSES

Jørgen Rischel presided over a bi-weekly seminar (graduate level) on Variation and norm in Danish sound history in the autumn semester 1982 (continued from the spring semester 1982).

Jørgen Rischel gave consultations concerning Danish phonology in the autumn semester 1982.

A course in the phonetics and phonology of French (two hours a week) was given by Oluf Thorsen in the autumn semester 1982.

A course in the theory and practice of the language laboratory (one hour a week) was given by Oluf Thorsen in the autumn semester 1982.

A course in statistics (two hours a week) was given by Niels Reinholt Petersen in the spring semester 1983.

Niels Reinholt Petersen presided at a series of weekly seminars for advanced students on topics in experimental phonetics (two hours a week) in the spring semester 1983.

Jørgen Rischel gave experimental phonetic seminars for scholarship holders from Thailand in the spring semester 1983.

A course in computer science (two hours a week) was given by Peter Holtse in the spring semester 1983.

A course in the phonetics and the phonology of Danish (two hours a week) was given in the spring semester 1983 by Nina Thorsen.

Birgit Hutterers presided at a series of weekly seminars for advanced students on topics in speech production (two hours a week) in the spring semester 1983.

Oluf Thorsen gave a 12 hour course in the didactics and methodology of pronunciation teaching at the Institute of applied and mathematical linguistics in the spring semester 1983.

6. SEMINARS

October 6th, 1982 - Jørgen Rischel: Impressions from the linguistic/phonetic institutes in Bangkok, from the XIIIth International Congress of Linguists in Tokyo, and from phonetic field-work in Thailand.

October 27th - Jens Bechsgaard Christensen: A VOT investigation with Danish and American listeners. Preliminary results.

November 10th 1982 - Jørgen Rischel: The Mlabri language in Northern Thailand. Impressions from the workshop on intonation at the XIIIth International Congress of Linguists in Tokyo.

November 12th 1982 - Amon Thavisak: Fieldwork on ?Urak Lawoi?.

March 9th 1983 - Professor Klaus Kohler (Kiel): Investigating speech rate.

March 10th 1983 - Professor Bill Barry (Kiel): What is the basic encoding unit in speech production? Thoughts and observations.

April 20th 1983 - Dr. Robert Ladd (Giessen): Toward a model of pitch range and height.

May 11th 1983 - Dr. António Almeida (Cologne): Speakers and their formants.

IV. PARTICIPATION IN CONGRESSES ETC.

Jørgen Rischel participated in the XIIIth International Congress of Linguists, Tokyo, August 29 - September 4 1982 and gave a paper: "The abstractness paradox in Hjelmslevian linguistics".

Jørgen Rischel gave various courses and lectures in experimental phonetics at Chulalongkorn University, Bangkok, in August 1982.

Jørgen Rischel lectured at the University of Hamburg, November 11th 1982: "Lautsysteme und Lautwandel im grönländischen Dialektraum".

Oluf Thorsen visited the Speech Transmission Laboratory at the Royal Institute of Technology, Stockholm, April 25-30 1983, and assisted in the development of text-to-speech synthesis of French.

Peter Molbæk Hansen participated in a meeting about Speech synthesis and recognition in Slet by Århus, October 15th 1982, and gave a paper: "Text-to-speech, phonetics, semantics".

Nina Thorsen participated in Prosody - Normal and Abnormal, an Interdisciplinary Symposium, Zürich, April 6-8 1983, and gave a paper: "Two experiments in the perception of fundamental frequency timing".

Nina Thorsen participated in Nordic Prosody III, Umeå, June 3-4 1983, and gave a paper: "The tonal manifestation of words with assimilated /ə/ in Standard Danish".

V. VISITORS TO THE LABORATORY

Sten Larsen, The Royal Danish School of Educational Studies, worked with stimuli for a dichotic listening experiment.

Niels Bak, Ranum, discussed his work on the acoustics of clarinet playing with the technical staff.

Henrik Nielsen, Telecommunications Research Laboratory, worked on the transfer function of the vocal tract.

Svend Smith, Hellerup, did electroglottographic experiments.

Two groups of high school students were given an introduction to phonetics and methods of speech analysis and synthesis.

VI. INSTRUMENTAL EQUIPMENT OF THE LABORATORY

The following is a list of instruments that have been purchased or built during the period July 1, 1982 - June 30, 1983.

1. INSTRUMENTATION FOR SPEECH ANALYSIS

1 pressure transducer, Gaeltec, type 8T-2.

2. INSTRUMENTATION FOR SPEECH SYNTHESIS

1 microprocessor-controlled speech synthesizer, type PD.

3. TAPE RECORDERS

1 semi-professional recorder, Revox, type B77.

4. LOUDSPEAKERS

4 headphones, Sennheiser, type HD 430.

5. EQUIPMENT FOR EDP

1 CTR terminal, Tele Video, type 925.