

INSTITUTE OF PHONETICS  
JANUARY 1, 1987 - DECEMBER 31, 1987

I. PERSONNEL OF THE INSTITUTE

PROFESSOR:

Jørgen Rischel, dr.phil.

ASSOCIATE PROFESSORS:

Børge Frøkjær-Jensen, cand.mag. (seconded to the Audiological  
pedic Centre)

Peter Holtse, cand.phil. (from April 1st)

Birgit Hutter, cand.mag.

Niels Reinhold Petersen, cand.phil.

Nina Grønnum Thorsen, lic.phil.

Oluf Thorsen, cand.mag.

RESEARCH FELLOWS:

Jan Leon Katlev, lic.phil. (until January 31st)

Peter Mølbæk Hansen, cand.mag.

Peter Holtse, cand.phil. (until March 31st)

ENGINEERS:

Otto Bertelsen, M.Sc.

Preben Dømler, B.Sc.

TECHNICIAN:

Svend-Erik Lystlund

SECRETARY:

Else Parkmann

GUEST RESEARCHER:

Eli Fischer-Jørgensen, dr.phil.h.c.

II. PUBLICATIONS BY STAFF MEMBERS  
AND GUESTS

Niels Bak and Preben Dømler: "The relation between blowing pressure and blowing frequency in clarinet playing", Acustica 63, 238-241

Eli Fischer-Jørgensen: "Segment duration in Danish words: Dependency on higher level phonological units", in: In honor of Ilse Lehiste (edited by R. Channon and L. Shockey), Foris Publications, Dordrecht, 51-73

Birgit Hutter and Kirsten Brøndsted: "Strategies in cleft palate speech - with special reference to Danish", Cleft Palate Journal 24/2, 126-136

- Björn Granström, Peter Molbæk Hansen and Nina Thorsen: "A Danish text-to-speech system using a text normalizer based on morph analysis", European Conference on Speech Technology (edited by J. Laver and M.A. Jack), CEP Consultants, Edinburgh, vol. 1, 21-24
- Jørgen Rischel: "Phonetic transcription in fieldwork", Zeitschrift für Dialektologie und Linguistik (Beihefte - edited by A. Almeida and A. Braun), Heft 54, 57-77
- Jørgen Rischel: Sproggranskeren Rasmus Rask, Odense Universitetsforlag, 45 pp.
- Jørgen Rischel: "Sprogforskeren Rasmus Rask 200 år", in Humanist, University of Copenhagen, fasc. 14, 3-4
- Jørgen Rischel: "Some reflexions on levels of prosodic representation and prosodic categories", in Nordic Prosody IV (edited by K. Gregersen and H. Basbøll), Odense University Press, 3-30
- Jørgen Rischel and Søren Egerod: "'Yumbri' (Phi Tong Luang) and Mlabri", Acta Orientalia 48, 19-33
- Søren Egerod and Jørgen Rischel: "A Mlabri-English vocabulary", Acta Orientalia 48, 35-88.
- Nina Grønnum Thorsen: "Intonation and text in Standard Danish - with special reference to the abstract representation of intonation", in Phonologica 1984 (edited by W.U. Dressler et al.), Cambridge University Press, 301-309
- Nina Grønnum Thorsen: "Text and intonation - a case study", in Nordic Prosody IV (edited by K. Gregersen and H. Basbøll), Odense University Press, 71-79
- Nina Grønnum Thorsen: "Suprasegmental transcription", Zeitschrift für Dialektologie und Linguistik (Beihefte - edited by A. Almeida and A. Braun), Heft 54, 79-109
- Ole Kongsdal Jensen and Oluf Thorsen: Fonetik for Franskstuderende, 2. oplag, Romansk Institut, København, 212 pp.

### III. GUEST LECTURES AND SEMINARS

- March 11 - Eli Fischer-Jørgensen: Fonetisk analyse af stødet i dansk rigsmål.
- March 31 - Ailbhe Ní Chasaide (Trinity College, Dublin): Perception of pre-aspiration.
- April 24 - Christine Shadle (University of Southampton): Models of sound generation mechanisms in fricative consonants.

- May 5 - Christer Gobl (Royal Institute of Technology, Stockholm): Röstkällans egenskaper vid normal fonation.
- September 25 - Lennart Nord (Royal Institute of Technology, Stockholm): Akustiska studier av nasalitet i normalt, patologiskt och syntetiskt tal  
and Akustiska studier av vokalkvalitet i svenskan.
- October 30 - Karoly Galyas (Royal Institute of Technology, Stockholm): Att kommunicera med syntetiskt tal.
- November 6 - Mats Blomberg (Royal Institute of Technology, Stockholm): Segmentering och igenkänning av tal.
- November 17 - Klaus Kohler (University of Kiel): The influence of microprosody (Fo and phonation type) on segment perception.

#### IV. PARTICIPATION IN CONGRESSES, ETC.

Eli Fischer-Jørgensen participated in the XIth International Congress of Phonetic Sciences, Tallinn 1-7 August as invited speaker for the opening session.

Birgit Hutters participated in the International Voice Symposium, Broxburn, Scotland, 12-14 August.

Peter Molbæk Hansen participated in two COST 209 Working Group meetings, in Rome May 12-13 and in Espoo, Finland, October 7-8.

Jørgen Rischel and Nina Thorsen participated in a Seminar at Stockholm University in April about phonetics/phonology. Jørgen Rischel gave an introductory lecture.

Nina Grønnum Thorsen participated in the European Conference on Speech Technology, Edinburgh September 2-4.

Nina Grønnum Thorsen gave four guest lectures in Sweden: "Bornholmsk intonation - mellan svenskan och danskan" at Stockholm University February 11, at Uppsala University February 12, at Umeå University February 23, at Lund University March 6.

Nina Grønnum Thorsen gave a guest lecture at the Catholic University of Nijmegen, "Synthesizing Danish intonation", December 2.

## V. INSTRUMENTAL EQUIPMENT OF THE LABORATORY

The following is a list of instruments that have been purchased or built during the period January 1 - December 31, 1987.

## INSTRUMENTATION FOR SPEECH ANALYSIS

- 1 light source, Olympus, type CLV
- 1 fiberscope, Olympus, type ENF-10
- 1 video camera, Olympus, type OTV-F

## TAPE RECORDERS

- 1 instrumentation recorder, Brüel & Kjær, type 7006

## MICROPHONES

- 1 microphone, Sennheiser, type MKE 2-6

## OUTFIT FOR PHOTOGRAPHY

- 1 enlarger, Durst, type 707
- 1 exposure system, Durst, type DES 100
- 1 colorprocessor, Jobo, type CPP-2 + lift.

## EQUIPMENT FOR EDP

- 1 computer, Regnecentralen, type RC 900
- 1 printer buffer, Trend, type 710E
- 1 graphics display, Masscomp, type Aurora
- 1 modem, Gaia, type 1200
- 1 printer, Printstar, type 5025
- 1 laserprinter, Hewlett-Packard, type II.