

INSTITUTE OF PHONETICS  
 JULY 1, 1983 - DECEMBER 31, 1984

I. PERSONNEL OF THE INSTITUTE

PROFESSOR:

Jørgen Rischel, dr.phil.

ASSOCIATE PROFESSORS:

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

Peter Holtse, cand.phil. (on leave from April 1, 1984)

Birgit Hutter, cand.mag.

Niels Reinholt Petersen, cand.phil.

Nina Grønnum Thorsen, lic.phil.

Oluf Thorsen, cand.mag.

RESEARCH FELLOWS:

Peter Mølbæk Hansen, cand.mag.

Peter Holtse, cand.phil. (from April 1, 1984)

TEACHING ASSISTANTS:

Peter Mølbæk Hansen, cand.mag.

Jørn Westengaard Holm, cand.mag.

ENGINEERS:

Otto Bertelsen, M.Sc.

Preben Dømler, B.Sc.

TECHNICIAN:

Svend-Erik Lystlund

SECRETARY:

Else Parkmann

GUEST RESEARCHERS:

Eli Fischer-Jørgensen, dr.phil.h.c.

Kiros Fre Woldu, Uppsala University (January - July 1984)

Elizabeth Uldall, Ph.d. (spring 1984)

II. PUBLICATIONS BY STAFF MEMBERS  
 AND GUESTS

Eli Fischer-Jørgensen: "Vowel features and their explanatory power in phonology", Abstracts of the Xth Int. Congr. Phon. Sc. Symposium 5, Utrecht 1983, p. 259-265

Eli Fischer-Jørgensen: "The acoustic manifestation of Danish stress with particular reference to the reduction of stress in compounds", Studies for Antonie Cohen, Sound Structures (eds.: v.d. Broecke, van Heuven, and Zonneveld), Dordrecht (Foris) 1983, p. 81-105

Eli Fischer-Jørgensen: "Vokalforlængelse i danske tostavelsesord", From Sounds to Words, Essays in Honor of Claes-Christian Elert (eds.: Dahlstedt, Hansson, Hedquist, and Lindblom), Acta Universitatis Umensis, Umeå Studies in the Humanities 60; 1983, p. 87-106

Eli Fischer-Jørgensen: "Some aspects of the 'phonetic sciences', past and present", Opening Address, Xth Int. Congr. Phon. Sc., Utrecht 1983, p. 285-291

Eli Fischer-Jørgensen: "Hans Jørgen Uldall", Dansk Biografisk Leksikon 15, 1984, p. 134

Eli Fischer-Jørgensen and Birgit Hutter: "Aspirated stop consonants before low vowels. A problem of delimitation - its causes and consequences", Topics in Linguistic Phonetics in Honour of E.T. Uldall (eds.: J.A.W. Higgs and R. Thelwall), Occasional Papers in Linguistics and Language Learning 9, The New University of Ulster, 1984, p. 159-194

Jørgen Rischel: "On unit accentuation in Danish - and the distinction between deep and surface phonology", Folia Linguistica XVII, 1983, p. 51-97

Jørgen Rischel: "The abstractness paradox in Hjelmslevian linguistics", Proc. XIIIth Int. Congr. Ling., 1983, p. 884-887

Jørgen Rischel: "Om den fonematiske og morfofonematiske funksjonen til dei såkalla ordtonane i norsk" & "Morphemic tone and word tone in Eastern Norwegian", both reprinted (the former in translation by Katrin Lunde) in Prosodi/Prosody, ed. Jahr & Lorentz, 1983, p. 256-265 & 266-276

Jørgen Rischel: "Devoicing or strengthening of long obstruents in Greenlandic", Riepmočála, Festschrift Knut Bergsland, ed. Brendemoen, Hovdhaugen, and Magga, 1984, p. 122-135

Jørgen Rischel: "Mlabri: skovmenneskene i Nordthailand og deres sprog", Carlsbergfondet/Frederiksborgmuseet/Ny Carlsbergfondet, Årsskrift 1984, p. 19-23

Nina Thorsen: "Standard Danish sentence intonation - Phonetic data and their representation", Folia Linguistica 17, 1983, p. 187-220

Nina Thorsen: "F<sub>0</sub> timing in Danish word perception", Phonetica 41, 1984, p. 17-30

Nina Thorsen: "Variability and invariance in Danish stress group patterns", Phonetica 41, 1984, p. 88-102

Nina Thorsen: "The tonal manifestation of Danish words containing assimilated or elided schwa", in Nordic Prosody III (eds.: Claes-Christian Elert, Iréne Johansson, and Eva Strangert), Acta Universitatis Umensis, 1984, p. 215-230

Nina Thorsen and Oluf Thorsen: Fonetik for Sprogstuderende, 3rd revised edition, 6th printing, Copenhagen 1984. 170 pp.

### III. GUEST LECTURES AND SEMINARS

September 21, 1983 - Dr. Sidney Wood, Lund University: "Vowel production".

October 5, 1983 - Professor John Clark (Macquarie University): "The problem of perceptual equivalence in synthesized speech".

November 30, 1983 - Dr. Robert Bannert (Lund University): "En model för tysk intonation" ("A model of German intonation").

December 7, 1983 - Dr. Gösta Bruce (Lund University): "Den svenska rytmens fonologi och fonetik" ("Phonology and phonetics of rhythm in Swedish").

January 18, 1984 - Professor Jørgen Rischel: A survey lecture on autosegmental phonology.

February 15, 1984 - Dr. Olle Engstrand (Uppsala University): "Spektrala och artikulatoriska korrelat till tense, lax och stress i svenska vokaler" ("Spectral and articulatory correlates to tense, lax, and stress in Swedish vowels").

February 17, 1984 - Kiros Fre Woldu: "The production and perception of ejective consonants".

March 14, 1984 - Dr. Jerzy Rubach (Warszawa): "The problem of abstractness in cyclic phonology".

March 28, 1984 - Dr. Francisco Lacerda (Stockholm): "How are CV and VC syllables represented in the auditory system?".

May 9, 1984 - Dr. Eva Strangert (Umeå University): "Rytmska mönster i talad svenska" ("Rhythmical patterns in spoken Swedish").

May 30, 1984 - Dr. Karin Holmgren (Stockholm University): "Rapport från projektet 'Beskrivning av barns tidiga vokalisation'" ("Report on the project 'Description of young children's vocalization)").

September 26, 1984 - Dr. John Ryalls (Max Planck Institute, Nijmegen): "An acoustic investigation of vowel production in aphasia".

#### IV. PARTICIPATION IN CONGRESSES ETC.

Birgit Hutters, Nina Thorsen, and Oluf Thorsen participated in the Tenth International Congress of Phonetic Sciences, Utrecht, August 1-8, 1983.

Birgit Hutters participated in a symposium at Universität Kiel, April 5-6, 1984, and gave a paper: "Vocal fold adjustments in unvoiced obstruents - with special reference to aspiration and devoicing".

Jørgen Rischel participated in the International Conference on Thai Studies in Bangkok, 22-24 August 1984, and gave a paper on "Achievements and challenges in Thai phonetics".

Jørgen Rischel acted as a consultant on instrumental phonetics to the Departments of Linguistics of two universities in Thailand (Chulalongkorn, Mahidol) in December 1984.

Nina Thorsen participated in the Fifth International Phonology Meeting, Eisenstadt, Austria, June 25-28, 1984, and gave a paper: "Intonation and text in Standard Danish - with special reference to the abstract representation of intonation".

Nina Thorsen gave the following guest lectures: "Textual prosody", at the Cambridge Linguistic Society, Cambridge University, January 26, 1984; "Fo timing in Danish word perception", at Sussex University, January 31, and at Oxford University, February 1, 1984; "Text and intonation in Standard Danish" at Universität Kiel, April 6, 1984; and "Sentence intonation and its abstract representation - a discussion of two different models" at Stockholm University, November 22, 1984.

#### V. INSTRUMENTAL EQUIPMENT OF THE LABORATORY

The following is a list of instruments that have been purchased or built during the period July 1, 1983 - December 31, 1984.

##### INSTRUMENTATION FOR SPEECH ANALYSIS

- 1 pressure transducer, Gaeltec, type 8T-2.
- 1 Sonagraph, Kay Elemetrics, type 7800.

##### INSTRUMENTATION FOR SPEECH SYNTHESIS

- 1 microprocessor-controlled speech synthesizer, type PD.

##### TAPE RECORDERS

- 2 semi-professional recorders, Revox, type B77
- 1 cassette recorder, Tandberg, type TAT 771
- 1 cassette recorder, SONY, type TC D5M.

##### LOUDSPEAKERS

- 4 headphones, Sennheiser, type HD 430.

## EQUIPMENT FOR EDP

- 1 CTR terminal, Televideo, type 925
- 1 CTR terminal, Pericom, type 7800.

## GENERAL PURPOSE ELECTRONIC INSTRUMENTATION

- 1 frequency counter, Philips, type PM 6667
- 1 oscillator, Bang & Olufsen, type TG 8
- 1 V 24 tester, Trend, type BOB 3.

## MICROPHONES

- 1 microphone, Sennheiser, type MKE 2002