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Foreword

The Centre for Language and Cognition, Groningen (CLCG) bustled with activity in 2004. It was an exciting place to work and research. On behalf of CLCG I am pleased to present the 2004 annual report. Highlights of this year’s activities were:

- Three inaugural lectures were delivered by new professors. One in German linguistics (Heike Behrens), one in second language acquisition (Kees de Bot), and one in Dutch Linguistics (Jack Hoeksema);
- CLCG was evaluated by a peer review committee consisting of four international authorities in Linguistics, leading to several planned changes in structure, policy and research content;
- Six PhD theses were defended: on communication strategy (Bougaire), on word sense disambiguation (Gaustad), on dialect distance measures (Heeringa), on phonological voicing (Jansen), on developmental dyslexia (Rispens), and on Latin syntax (Schoof);
- Ten new Ph.D. projects were started,
  - four in computational linguistics
    - three on linguistically aided information retrieval,
    - one on document enrichment,
  - one in Educational Linguistics
    - on early language development; and
  - five in Neurolinguistics
    - one on language disorders in Parkinson's,
    - one on contrasts between aphasia in Turkish and Dutch,
    - one on case assignment in aphasia
    - one on aphasia and word order
    - one on discourse processing
The first eight projects are externally funded or involve external matching.
- The Pionier project on ‘Algorithms for Linguistic Processing’ (van Noord) entered its fourth, penultimate year;
- The project on developmental dyslexia (Zwarts and Been) entered its sixth year;
- NWO projects on the verb in aphasia (Bastiaanse), on auditory perception in aphasia (Bastiaanse), on the determinants of dialect differences (Nerbonne and Niebaum), on optimization methods applied to semantics (Hendriks, in collaboration with Nijmegen and Utrecht), on the comprehension of coordinate structures (Hendriks, ASPASIA program), continued;
- A new NWO project on automated question-answering (Bouma) got underway;
- An NWO/OTKA collaborative project with Morphologic, Budapest (Nerbonne) was completed on multi-word lexemes;
- Thirty-two CLCG colloquia were held on a broad range of topics;
- Ten national and three international workshops and conferences were hosted in Groningen, including the traditional Groningen TABU dag
- CLCG continued cooperation with Tübingen, The Ohio State University, University of Massachusetts, and the University of California at San Diego.

Prof. dr. ir. J. Nerbonne, Groningen, April 2005
CLCG Director
Part One
1. Introduction

The Center for Language and Cognition Groningen (CLCG) is a research institute within the Faculty of Arts of the University of Groningen. It houses all the linguistic research carried out within this faculty. This report summarizes the institute's activities during 2004.

A substantial appendix, including a full list of publications of all CLCG members in 2004, their lectures and other professional activities, may be found on the institute's website, http://www.rug.nl/let/onderzoek/onderzoekinstituten/clcg/index (see the section on "Reports").

1.1 Institutional Embedding

The institute is part of the Faculty of Arts, and all of its members are employed there. Many researchers likewise participate in Groningen's Center for Behavioral and Cognitive Neurosciences (BCN), a local interdisciplinary research school that brings together research from different faculties of the University of Groningen, in particular the Faculty of Mathematics and Natural Sciences, the Faculty of Medicine, the Faculty of Psychological, Pedagogical and Social Sciences, the Faculty of Philosophy, and the Faculty of Arts. Many of the CLCG members have likewise chosen to participate in the national graduate school in Linguistics, LOT (Landelijke Onderzoeksschool Taalwetenschap) as of 2004. One of the major tasks of BCN and LOT is the training of PhD students. Various PhD students attend courses that are organized by LOT, while some senior researchers teach such courses.

1.2 Profile

CLCG recognizes special responsibilities in the following four areas:

- Linguistic research must work hand in hand with the instructional needs of the faculty, particularly in the modern European languages (Germanic, Romance, Slavic and Finno-Ugric).
- CLCG has a special responsibility for Dutch languages and dialects, especially the minority languages spoken in the Northern Netherlands, that is to say Frisian and Lower Saxon. The university recognizes this special responsibility.
- Applications justify linguistic research (as well as progress in understanding). This is important for educational linguistics, aphasiology, communications, and computational linguistics.
- CLCG is in a unique position to contribute to progress through cooperation with the cognitive neurosciences in Groningen. This opportunity is concentrated in neurolinguistics and in theoretical and computational linguistics.

CLCG seeks to meet these responsibilities especially by recruiting appropriate expertise whenever vacancies arise.
2 CLCG in 2004

2.1 Structure

The Research Staff is listed in the last chapter. In 2004 CLCG consisted of seven research groups, organized by subdiscipline:

- Phonetics and Phonology
- Syntax and Semantics
- Discourse and Communication
- Descriptive and Historical Linguistics
- Computational Linguistics
- Educational Linguistics
- Neurolinguistics

News of staff members:
Muriel Norde joined the institute in 2004 as a member of the Descriptive and Historical linguistics group. Prof. Co Vet retired during the year and a special colloquium was held in his honour.

2.2 Director, Advisory Board, Coordinator

Prof.dr.ir. J. Nerbonne succeeded Prof.dr. G.J. de Haan as director of the Center for Language and Cognition Groningen in 1999 and has continued as director through 2004.

The Advisory Board of the CLCG chose Prof.dr. C. de Bot as its chair in 2003 and he continued through 2004. The board advises the director on policy matters and consists of the full professors and the coordinators of the research groups, listed below.

- Prof.dr. Y.R.M. Bastiaanse
- Prof. dr. H. Behrens
- Prof. dr. C.L.J. de Bot
- Prof. dr. C.M. de Glopper
- Dr. D. Gilbers
- Prof.dr. G.J. de Haan
- Prof.dr. C.T. Hasselblatt
- Prof. dr. J. Hoeksema
- Prof.dr. T. Hofstra
- Dr. H.P. Houtzagers
- Prof.dr. J. Koster
- Prof.dr. A.G.B. ter Meulen
- Prof.dr. H.W.H. Niebaum
- Dr. G.J. van Noord
- Prof.dr. G. Redeker
- Prof.dr. S. Reker
- Dr. L.A. Stowe
- Prof.dr. J.P. Vet
- Dr. C.J.W. Zwart
- Prof.dr. F. Zwarts
The CLCG advisory board met twice in 2004, once on June 9th and once on Nov. 2nd. The June meeting was dominated by preparations for the upcoming assessment, the upcoming review of individual performance based on the expectation of one scientific publication per year, the pleasantly surprising level of interest in the TABU dag (see further notes under "Graduate Students", a discussion of a local proposal for an innovation in the organization of graduate education entailing the end of employee status for (almost) all graduate students, a suggestion to monitor progress in PhD projects more closely, and a revision of CLCG's goals in hiring procedures. With respect to the last topic the board urged recruitment committees to seek strengthening in Semantics, Statistics and Laboratory Phonology.

The November meeting was dominated by the discussion of how to react to the assessment of the Peer Review Committee. See the separate section (2.3) for the decisions made by the advisory board. In addition the board discussed the growing claims of instructional duties, and the pressure this exerts on research. No conclusions were reached with respect to this point.

2.3 Assessment

CLCG was assessed for the period 1998-2003 according to the guidelines of the "Standard Evaluation Protocol", published by the Office of the Association of Dutch Universities (VSNU). A substantial self-study was prepared on the working of the institute as a whole as well as that of the individual research groups, each identifying strengths, weakness, opportunities and threats. The self study showed that CLCG had lost 10% of tenured staffing during the six-year assessment period, that local graduate project funding tended to reflect external funding.

A peer review committee (PRC) was appointed consisting of Jan van Eijck (Utrecht, and chair), Susan Herring (Indiana), Wolfgang Klein (Max Plack Institute, Nijmegen), and Stephen Pulman (Oxford). They were asked to evaluate the institute as whole and each of the research groups along the dimensions of quality, quantity, relevance and vitality. The PRC visited Groningen on July 2nd and 3rd; it worked fairly, effectively and independently, producing a large number of valuable recommendations, virtually all of which will be adopted.

The PRC assessed CLCG as very good in all categories, recommending that CLCG require regular research meetings of all its groups. It also recommended that the Research Master's program in Linguistics be open to all specializations, that statistical expertise be strengthened, that the institute take care that computational infrastructure be maintained, and that the institute continue its policy of matching external grants awarded competitively based on scientific merit. The advisory board supports all of these recommendations, and in fact differed only in the advisory board’s additional desire that there should be a permanent external advisory board.

Turning to group assessments, the PRC assessed the Computational Linguistics group as excellent in every category, and both Neurolinguistics as well as Educational Linguistics as very good or excellent in each category. CLCG was also gratified that the PRC expressed confidence in the direction of the Discourse and Communication group, the only CLCG group currently attracting large numbers of undergraduates.

We summarize the recommendations of the PRC concerning individual groups, together with CLCG’s reaction:

- Phonetics and Phonology has unfortunately fallen below critical mass and will be disbanded.
- Syntax and Semantics will seek further collaboration within CLCG.
- Discourse and Communication will seek strength in cooperation within CLCG, especially with Computational Linguistics.
• Descriptive and Historical Linguistics will seek a sharper focus in language variation and change.
• Computational Linguistics will seek collaboration with Artificial Intelligence and Computer Science.
• Educational Linguistics will regroup, including first language acquisition, and focus around language and literacy development across the lifespan.
• Neurolinguistics will emphasize publication further.

2.4 Staffing

The first source of funding is the university, the second the national and European science agencies (the Dutch Organisation for Scientific Research – NWO, the Royal Dutch Academy of Sciences – KNAW, the European Marie Curie Fellowship Program, and the EU’s Training and Mobility of Researchers network programs), and the third includes all the rest, esp. contract research. In table 1 the three sources, together with the full-time equivalents for each function in 2004, are displayed.

<table>
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<tr>
<th>First source</th>
<th>fte</th>
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<td>PhD students</td>
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<td>Assistant professor</td>
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<tr>
<td>Professor/associate professor</td>
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</tr>
<tr>
<td>Second source</td>
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<tr>
<td>PhD students</td>
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<tr>
<td>Others (postdoc/researcher)</td>
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</tr>
<tr>
<td>Third source</td>
<td></td>
</tr>
<tr>
<td>PhD students</td>
<td>2.4</td>
</tr>
<tr>
<td>Total:</td>
<td>57.39</td>
</tr>
</tbody>
</table>

Table 1. Financial sources with full-time equivalents (fte) for each function in 2004

2.5 Finances: Travel and Material costs

The budget for the CLCG-travel and material, intended for regular members of the CLCG, covers travels abroad and organization of conferences, workshops and other meetings with a scientific character. In 2004, the annual financial support from the Faculty of Arts, amounted to € 50,000,- (incl. the reserve of 2003). In the reporting period a sum of approximately € 45,000,- was spent, which left the institute with a reserve of € 5,000,-. By the end of 2004, the institute’s reserve for material costs for PhD projects is € 5,000,-.

2.6 Internationalization

From 2004 until 2006, NWO will subsidize a collaboration between CLCG/BCN and the Center for Research in Language (CRL) at the University of California at San Diego. The focus is on the crosslinguistic comparison of the acquisition and processing of complex sentences, especially those involving movement phenomena. Heike Behrens (CLCG) and Jeffrey L. Elman (CRL) will study the empirical and computational basis for learning such phenomena. Laurie Stowe (CLCG) and Robert Kleunder (CRL) will study the processing of sentences with and without omitted material, and Roelien Bastiaanse (CLCG) and David Swinney (CRL) will investigate processing of verb movement.
NWO likewise agreed to underwrite a collaboration with the University of Massachusetts (2004-2006) focusing on the acquisition of tense and aspect in Dutch and English children – both normally and non-normally developing. In June 2004 Tom Roeper and Jill de Villiers spent a week in Groningen during which they met with the Groningen participants and presented a lecture at a one-day workshop. In the fall B. Hollebrandse, A. van Hout, and E. J. Smits visited UMass for a one-week visit. Joint experiments were designed which will be run during the next two years of the collaboration.

Since 1996 CLCG has had a formal program of cooperation with Seminar für Sprachwissenschaft at the Eberhard-Karls-Universität in Tübingen, which is financially supported by NWO. The European postdoc network “Learning Computational Grammars” (Marie-Curie, 1998-2002) grew out of this as well as several co-published papers involving especially Gertjan van Noord and John Nerbonne (CLCG). In 2004 John Nerbonne (CLCG) and Erhard Hinrichs and Dale Gerdemann (Tübingen) submitted a proposal to the German Volkswagenstiftung (VW Foundation) to fund work on the investigation of linguistic diversity in Europe, focussing on the application of computational techniques to the situation in Bulgarian. In Dec. 2004 the VW foundation agree to fund this proposal for the period (roughly) mid 2004 through mid 2007. Charlotte Gooskens and Hermann Niebaum (CLCG) will also be involved.

NWO and its Hungarian sister-organization, OTKA, have sponsored a two-year cooperation project in computational linguistics involving G. Proszeky (Budapest), J. Nerbonne (Groningen) and Gosse Bouma (Groningen), which finished in 2004 (10/2002 – 10/2004); its main focus was on the recognition of multiword ‘lexemes’ (e.g., ‘Hij liet me in de steek,’ ‘He left me in the lurch’). This cooperation produced three international publications.

CLCG also cooperates with The Ohio State University. In 2000 the NWO awarded CLCG a grant to subsidize cooperation with The Ohio State University’s department of linguistics, in particular to further work in computational linguistics, neurolinguistics and semantics. Prominent scholars among the OSU researchers who have been active in this collaboration are Chris Brew, Peter Culicover, David Dowty, Keith Johnson, and Brian Joseph. During 2004, Dr. W. Heeringa was awarded a TALENT grant to work with Prof. Johnson.

Prof. Dr. Y.R.M. Bastiaanse is the co-ordinator of the European Master’s in Clinical Linguistics (EMCL) a joint MA in which the following universities participate: University of Joensuu, University of Milano Bicocca, University of Newcastle, University of Oslo, University College London, University of Potsdam and University of Reading. This project is financed by the European Union. Prof. Dr. Bastiaanse is also a member (former co-ordinator) of a European network of courses in neurolinguistics and speech and language pathology. This is a network for student and staff exchange. Since 2001 Prof. Dr. Bastiaanse also cooperates with the University of San Diego and San Diego State University under the auspices of the NWO program noted above. In addition, Y. R. M. Bastiaanse has been a member of the International Research Groups on the Mental Lexicon and Multilingual Multidisciplinary Studies on Brain and Language during the past year. She has also collaborated with Prof. Dr. David Swinney (UCSD) and Prof. Dr. Lew Shapiro (SDSU).

C. S. Gooskens has been involved in the Scandinavian project Internordisk sprogforståelse i en tid med øget internationalisering (INS) (=Inter-Scandinavian Communication in a time of increased internationalisation). This project is financed by the Nordic Council (Nordisk Råd) and is carried out by researchers connected to the universities of Lund (Sweden), Oslo (Norway) and Copenhagen (Denmark). Gooskens is doing part of this research. This research is also financed by the Gratamafonds. The project started in September 2003 and will go on for two years.
A. Molendijk has participated in the PICS project (*Project International de Coopération Scientifique: Sémantique formelle et données du français*), financed by the NWO and the French CNRS. This was a cooperation between French and Dutch linguists which has aimed to result in a book on the Interface of Syntax and Semantics, primarily in French. This book was finally published in 2004.

G. Redeker and A. Oussaïd continued their cooperation with the Faculty of Arts at the University of Ouagadougou, Burkina Faso, in a project that was funded by NUFFIC, resulting among other things in the promotion of D. Bougaïré (see Discourse and Communication group).

Apart from these formal cooperation programs, the CLCG has valuable informal contacts with various other institutions in Europe, Israel, Japan, and the United States of America.

### 2.7 Contract Research

The Expertise Centrum voor Taal, Onderwijs en Communication (Expertise Center for Language, Instruction and Communication – Etoc) specializes in contract research with a major focus on linguistics applied to language learning and language teaching. Contracts totaled approximately € 600,000 in 2004, of which approximately two-thirds was devoted to projects in which Etoc is developing language policies in primary and secondary schools on the basis of diagnoses of the language situations in the schools and on active research in collaboration with teachers and educational counselors. In addition to this second language research, Etoc is developing instruments for testing and observation that are to be standardized for educational goals.

<table>
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<tr>
<th>Project</th>
<th>Projectleader</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Apolloproject</td>
<td>H.I. Hacquebord</td>
<td>2,700</td>
</tr>
<tr>
<td>ELO</td>
<td>H.I. Hacquebord</td>
<td>2,113</td>
</tr>
<tr>
<td>Vaktaal in beeldtaal</td>
<td>H.I. Hacquebord</td>
<td>861</td>
</tr>
<tr>
<td>Taalbeleid Groningen VO</td>
<td>H.I. Hacquebord</td>
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<tr>
<td>Taalbeleid Groningen PO</td>
<td>J. Berenst</td>
<td>36,066</td>
</tr>
<tr>
<td>GEA</td>
<td>J. Berenst</td>
<td>see VO/PO</td>
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<tr>
<td>Leescafe</td>
<td>J. Berenst</td>
<td>5,334</td>
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<td>Projecten VO scholen</td>
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<td>14,741</td>
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<tr>
<td>Taalkundeproject CFI</td>
<td>C.M. de Glopper</td>
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<td>Oost-Groningen</td>
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<tr>
<td>Internettaaltoetsen CFI</td>
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<td>J. F. van Kruiningen</td>
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<td>FWN inzake EC Materopleiding</td>
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<td>FWN inzake Servicecentrum</td>
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<td>FWN project Alabama Noord</td>
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<td>73,000</td>
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<tr>
<td>IDO schrijfseminar</td>
<td>J. F. van Kruiningen</td>
<td>2,700</td>
</tr>
</tbody>
</table>

*Table 2. Contract research within the Expert Center for Language, Instruction and Communication, Etoc*
3 Research Activities

3.1 Conferences, Cooperation, Colloquia

CLCG organized the annual *TABU day* once again, and was centrally involved in several other local conferences.

3.1.1 TABU-day 2004

The TABU-day, the annual one-day conference on general linguistics, organized by Groningen University, was held on June 4th, 2004. Gerlof Bouma, Holger Hopp and Roel Jonkers (senior advisor) coordinated the event. This year's keynote lectures were given by Mark Steedman, University of Edinburgh (*Syntax and Semantic of English Intonation*) and Ria de Bleser, Potsdam (*Grammatical Disorders in Aphasia*). Talks from more than 15 CLCG members and more than 20 speakers from outside Groningen completed the schedule.

Members of the CLCG also took part in the organisation of conferences, workshops, symposia mentioned in the next sections.

3.1.2 Groningen conferences

**CLCG members organized the following international meetings in Groningen in 2004:**


**CLCG-members organized the following national meetings in Groningen in 2004:**


3.1.3 Conferences elsewhere


3.1.4 Visiting scholars

The following scholars visited CLCG during 2004:
Jean Aitchison (University of Oxford, England), John Carroll (University of Sussex, England), Jeanette R. Fletcher (Massey University, Wellington, New Zealand), Hans Goebl (Salzburg University), Aviya Hacohen (Ben Gurion University of the Negev, Beer Sheva, Israel), Göz Kaufmann (University of Freiburg i.Br., Germany), Rob Koeling (University of Sussex, England), Bill Kretzschmar (University of Georgia, Georgia), Winfried Lechner (University of Tübingen, Germany), June Luchjenbroers (University of Wales, Bangor), Tom Roeper (University of Massachusetts, Amherst, U.S.A), Jill de Villiers (Smith College, Massachusetts, U.S.A).

3.1.5 Linguistics Colloquium

In 2004, as part of the Linguistics Colloquium the following lectures were given (organization: B. Hollebrandse (spring 2004) M. Norde (autumn 2004), L. Reitsma (2004) and J. Spenader (autumn 2004)):

January 9
Hans Goebl, Salzburg University, Austria.
Presentation of some Dialectometric Methods and Results with a Presentation of the Dialectometry Software VDM (Visual DialectoMetry).

January 30
Workshop in honour of Tjeerd de Graaf.

February 6
Eric Reuland, Utrecht University.
Backward Anaphora: Discourse vs Computation.

February 13
Jennifer Spenader, University of Groningen.
Contrast as Denial.

February 20
Jochen Trommer, University of Osnabrück, Germany.
Coherence in Affix Order.

March 5
June Luchjenbroers, University of Wales at Bangor, Wales.

March 12
Jie Liang, University of Leiden.
A Perception Study of Tone and Sentence Intonation of Chinese Aphasic Patients.

March 19
Enoch Aboh, University of Amsterdam.
Verbal Focusing: The Kwa Puzzle.

March 26
Rob Hartsuiker, Ghent University, Belgium.
Is Conceptual Concord Costly?

April 2
Bert Botma, University of Leiden.
On the Phonological Interpretation of Laryngeally Modified Nasals.
April 6
Jeanette Fletcher, Massey University, Wellington, New Zealand.
Organizational Email, *Ba* and Social Capital.

April 16
Jacqueline van Kampen, Utrecht University.
Locality Constraints Imposed by Acquisition Frames.

April 22
Rob Koeling, University of Sussex, England.
Ranking WordNet Senses Autonomatically.

May 14
Ayumi Matsuo, Max Planck Institute Nijmegen.
Differing Interpretations of Empty Categories in English and Japanese VP-Ellipsis Contexts.

May 28
Metaphors, Models and the Media.

June 7
Jill de Villiers, Smith College, Massachusetts, U.S.A.
Language for Thinking: the Added Value of Recursion.

June 11
Groningen Workshop on the L1 Acquisition of Tense, Aspect and Questions.

June 11
Tom Roepen, University of Massachusetts, Amherst, U.S.A.
Modularity and Deep vs Immediate Feature-Checking: From Pair-List Wh-questions and Do-support to SLI.

June 18
Winfried Lechner, University of Tübingen, Germany.
On the MLC.

October 8
Tanja Gaustad, University of Groningen.
Linguistic Knowledge and Word Sense Disambiguation.

October 15
Charlotte Gooskens, University of Groningen, and Renée van Bezooijen, Radboud University, Nijmegen.
How Easy is it for Dutch Readers to Understand Afrikaans and Frisian Texts, and Why?

October 22
Göz Kaufmann, University of Freiburg i.Br., Germany.
How the Conservative Mennonites May Contribute to Modern Syntactic Theory.

October 29
Ineke van der Meulen, University of Leiden.
Syntactic Movement in Broca’s Aphasia.

November 1
John Carroll, University of Sussex, England.
Robust Parsing for Shallow Semantics.

November 5
Susanne Schoof, University of Groningen.
An HPSG Account of Nonfinite Verbal Complements in Latin.

November 12
Therese Lindström Tiedemann, Groningen.
Supergrammaticalisation: Past and Present.

November 18
Bill Kretzschmar, University of Georgia, Georgia.
Using Self-Organizing Maps to Understand Language Variation.
November 26
Marc van Oostendorp, Meertens Institute.
Dialectgeographic Excursions: New Databases and Modern Theories.

Dec 3
Irene Krämer, Radboud University, Nijmegen.
Quantification Takes Two Minds: a Problem in Child Language Acquisition.

December 10
Bart Geurts, Radboud University, Nijmegen.
Numerical Quantifiers in Semantics and Psychology.

Other lectures

De Geert Hofstede Lecture (Studium Generale)
This was held by G. Hofstede under the title How to be a European. 10th June, 2004.
Groningen. J. Y. Deen (University of Groningen) took part in initiating this new lecture series on intercultural communication aimed at a broad audience including international students.

3.2 CLCG-Publications

The many publications of CLCG members in 2004 may be found on the institute’s web site http://www.rug.nl/let/onderzoek/onderzoekinstituten/clcg/index “Reports,” in the digital appendix to this report.

In 2004 six new volumes in the series of Groningen dissertations in linguistics (Grodil) appeared:

Tanja Gaustad. Linguistic Knowledge and Word Sense Disambiguation.
Wilbert Heeringa. Measuring Dialect Pronunciation Differences using Levenshstein Distance.
Wouter Jansen. Laryngeal Contrast and Phonetic Voicing: A Laboratory Phonology Approach to English, Hungarian and Dutch.
Judith Rispens. Syntactic and Phonological Processing in Developmental Dyslexia.

3.3 PhD Training Program

As part of a general reform in the Faculty of Arts, the CLCG PhD training program was revised in 1999. The most important innovation is that PhD students are required to submit a twenty-five-page document after approximately ten months. This document serves as the basis of an evaluation as to whether the project should continue. In general the twenty-five pages are expected to define the problem under investigation, review relevant work, and present a research plan for the remainder of the project. Crucial experiments should be designed and crucial prior work replicated. PhD students were evaluated under this regime in 2004.

Eight new PhD projects began in 2004. The PhD students, together with the source of funding for their project, their dissertation project and supervisors, are listed in part III.
The graduate students remain positive about the rule described at the beginning of this section. The graduate students agree that this should improve the success of their studies and their preparation for careers in linguistics.

In Table 3 PhD students are listed together with their project over a period of ten years.

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Table 3. PhD projects 1995-2004. D=defense; S=stopped; Projects in progress are marked light-grey. Begin and end dates of project financing are shown.

### 3.3.1 Graduate Students’ Meeting

There was a meeting of graduate students within the CLCG on December 8th, 2004. Students were given information about how the CLCG did in the external evaluation where especially the research groups that have more PhD students did very well, but also on the LOT winter school, etc. There was some discussion of an idea proposed by the CLCG advisory committee that PhD students should have to give a presentation of their research plans after their first year report has been approved. Most people were in favour of the idea and hence the meeting could discuss how such presentations would best be organized.
The Meeting also discussed the future format of the TABU-dag, which it was agreed should be a non-local conference where primarily PhD students can present their work and get comments from their peers but also from senior members of staff.

PhD students were also informed at the meeting of the new idea of (local) graduate schools, as opposed to (national) research schools, and how this is connected with the discussion of the status of PhD students as employees or bursaries and their financial situation.

### 3.4 Postdocs

The following postdocs were active in 2004: Heeringa, Nederhof, Tiedemann (Computational Linguistics); Bienfait (Educational Linguistics); Hoeks, Hollebrandse, C. Koster, den Ouden (Neurolinguistics); Spenader, de Vries (Syntax & Semantics)
Part Two
4 Research Groups

4.1 Phonetics and Phonology

The focus of the Phonetics and Phonology group of the CLCG has been on the structure and contents of the sounds of language. Areas of special interest in the research program have been constraint-based phonology, (computational) dialectology, phonetic methods in ethnomusicology and phonetic aspects of language contact with regional and minority languages.

Members
Markus Bergmann (PhD), Dicky Gilbers (coordinator), Charlotte Gooskens, Tjeerd de Graaf, Angela Grimm (PhD), Maartje Schreuder (PhD), Hidetoshi Shiraishi (PhD), Nanne Streekstra.

In 2004 the group prepared a Festschrift to honor Tjeerd de Graaf. This Festschrift was presented to Tjeerd de Graaf at a workshop called “On the boundaries of Phonology and Phonetics,” which the group organized on occasion of his parting as coordinator of the group. Most of the members presented their current work. The workshop was held on 30 January 2004.

In 2004 Tjeerd de Graaf presented papers at Tokyo, Chiba and Hokkaido University. He was guest speaker at conferences in London, Budapest, Barcelona and Peking. He established further contact with the Foundation for Research and Promotion of Ainu Culture and studied problems related to The Status of Endangered Languages in the Border Areas of Japan and Russia. He also assisted in the preparation of a new project on endangered languages of Russia and fieldwork in Yakutia by Dr. Cecilia Odé, who will be in charge of the follow-up of the program Voices from Tundra and Taiga.

Charlotte Gooskens collected material for her project Linguistic and Extra-Linguistic Predictors for Inter-Nordic Communication. By means of linguistic distance measurements she will explain data from a recently started Scandinavian project, financed by The Nordic Council, on how well Scandinavians understand each other’s languages. Furthermore, together with Renée van Bezooijen from the Radboud University she carried out a number of experiments in order to investigate and explain mutual intelligibility among speakers of Dutch, Frisian and Afrikaans. The results gained so far show a clear relationship between intelligibility and linguistic distances measured at the lexical and the phonetic level.

Dicky Gilbers and Maartje Schreuder (PhD student) have been gathering production data on rhythmic variability in fast speech and on recursiveness of phonological phrases. The results of their research show that some perceived prosodic phenomena, such as stress shifts, can be explained perceptually rather than acoustically. They also discovered recursiveness in phonological phrases. In a third experiment they discovered major and minor key modalities in, respectively, cheerful and melancholic speech.

Wouter Jansen (former PhD student) finished his dissertation on the representation and implementation of laryngeal features in which he provided a phonetic/phonological account of neutralisation phenomena in languages such as Dutch, German, English and Hungarian. He provided acoustic studies of voicing assimilation in obstruent clusters in English, Hungarian and Dutch. Jansen defended his thesis on May 27th, 2004.

Toshi Shiraishi (PhD student) continued to work on his PhD project on the phonology of Nivkh. The abstracts of some of the discussions in his ongoing dissertation were accepted as oral presentations by important phonological conferences (the 12th Manchester Phonology Meeting, the 2nd Old World Conference on Phonology). In December, he published the third volume of the Sound Materials of the Nivkh Language series.
Marcus Bergmann (PhD student) published a CD ROM with spoken Nenets data together with Russian colleagues. Unfortunately, the group was considered to be too small to be viable after the retirement of De Graaf. The remaining staff members Gooskens and Gilbers joined the CLCG-group “Computational Linguistics” in 2004 and Streekstra joined the group “Language Variation and Change.”

Scholarly Publications

Drs. M. Bergmann.

Dr. D. G. Gilbers.

Dr. C. S. Gooskens.

Dr. T. de Graaf.


A. Grimm, M.A.


Dr. W. Jansen.


Drs. M. J. Schreuder.


H. Shiraishi, M.A.

Other Publications

Dr. T. de Graaf.

H. Shiraishi, M.A.

Lectures

Dr. C. S. Gooskens.

**Drs. M. Schreuder.**
Schreuder, M. Restructuring Rhythm Patterns. Sound Intelligence, Groningen. 13th October, 2004. [invited]

**H. Shiraishi, M.A.**
Shiraishi, H. Consonant Alternation of Nivkh. Vrijdagmiddaglezingen Beschrijvende Taalkunde (=Friday afternoon lecture in Descriptive Linguistics), University of Leiden. 20th February, 2004. [invited]
Other Research Activities

Drs. M. Schreuder.

4.2 Syntax and Semantics

Members
Janneke ter Beek (PhD), Reineke Bok-Bennema, Gerlof Bouma (PhD), Germen de Haan, Petra Hendriks, John Hoeks (Postdoc), Jack Hoeksema, Brigitte Kampers-Manhe, Olaf Koeneman (Postdoc), Jan Koster (coordinator), Alice ter Meulen, Arie Molendijk, Liefke Reitsma (PhD), Erik-Jan Smits (PhD), Jennifer Spenader (Postdoc), Co Vet, Mark de Vries (Postdoc), Ron van Zonneveld, Jan-Wouter Zwart, Frans Zwarts.

Research Results
Bok-Bennema and Kampers-Manhe continued their work on Romance morphology, within the antisymmetry framework proposed by Richard Kayne for sentential syntax. Their focus was on the syntax and semantics of exocentric nominal compounds of the type VN *essuie-glace*, PN *sans-abri* and QN *bimoteur*.

Hendriks continued working on the interaction between discourse structure and ellipsis in coordination. The results were published in *Journal of Semantics*. Furthermore, Hendriks started working with John Hoeks, who joined the NWO project “Optimization in coordination.” In collaboration with Reinhard Blutner (Amsterdam) and Helen de Hoop (Nijmegen), she finished the first draft of a book manuscript on Optimality Theory and Interpretation, which is currently under review. Together with Sybrand van der Werf (AI/Groningen), she applied principles of optimization to the grouping of pitch events in music. This resulted in one publication in a conference proceedings and one article that was submitted to a journal. Together with Jennifer Spenader, Hendriks started a new line of research investigating children’s delays in interpretation as compared to production from the theoretical perspective of bidirectional Optimality Theory. This novel approach to language acquisition was shown to be able to provide an explanation for the Pronoun Interpretation Problem.

Hoeksema continued his research on the development of focus scrambling, expanding the number of expressions considered. Preliminary results and conclusions were published in the form of an article. Further research was about lexical domains in Dutch with rapid growth and specialization, such as in the case of degree adverbs and minimalizing expressions.

Koeneman worked on verb clusters in Frisian and investigated the extent and nature of the influence exceeded by the Dutch language. An article on this was submitted and is under review. A review of a monograph by Eric Haeberli was published in the *Journal of Linguistics*.

Koster continued his research on the foundations of linguistic theory, this year with special attention to the alleged difference between derivational and representational approaches in Minimalism. This resulted in a journal article in which the heavy derivational bias of current minimalism was criticized and in which, furthermore, the idea of strict locality based on Pied Piping was given more substance.

Ter Meulen continued her writing on a new book, provisionally titled *Reasoning in Time*, the sequel to her 1995 book on tense and aspect, also to be published by Bradford Books, MIT Press. Her research on asceptual adverbs led to new directions connecting their polarity behavior to conditionals and counterfactuals in dynamic semantics.
Molendijk and Vet worked on the final versions of their contributions to Francis Corblin and Henriëtte de Swart, Eds., *Handbook of French Semantics*, CSLI Publications, Stanford, which was published in December 2004. These contributions address the semantics of the simple past tense of French (Molendijk, Vet) and certain quantificational aspects of a number of French iterative and frequentative adverbs (Molendijk). In order to have a broader view on what is temporally and aspectually expressed by the Passé Simple and the Imparfait of French, A. Molendijk compared the semantics of these verbal forms to the semantics of the Indefinido and the Imperfecto of Spanish. In doing so, he also addressed the question of how the Gerundio of Spanish, which has certain properties in common with the Progressive of English (while allowing some interesting uses that are impossible in English), ‘contributes’ to or ‘affects’ the meaning of the Indefinido and the Imperfecto.

Spenader looked at the realization of contrast and parallelism in discourse, two concepts that play an important role in constraining the use of such diverse phenomena as sentence focus and the use of elliptical constructions. This work resulted in a journal article and a conference paper. Her second major research interest was the analysis of cases in child language where children’s comprehension lags behind their production, looking in particular at the pronoun interpretation problem. Together with Petra Hendriks she developed an optimality theory-based analysis of the experimental results found in the literature. This work resulted in an article in conference proceedings. Additionally she continued to actively work on pragmatic topics from a more formal perspective. Her work on the Swedish evidentiality discourse particle *ju* resulted in a journal article.

De Vries continued his research on parataxis as well as on relative clauses. A general study on coordination and parenthesis in terms of a ‘three-dimensional’ syntactic derivation was published; two more specific articles on coordination and backward conjunction reduction, respectively, were accepted for publication. Furthermore, De Vries studied the occurrence of a so-called internal head in free relatives and appositive (nonrestrictive) relative clauses in Dutch, which resulted in two publications. Finally, a study based on extensive research into the syntax of appositive relatives was submitted and accepted for publication.

Zonneveld’s cooperation with Roelien Bastiaanse resulted in several publications on aphasiology and syntax. In the area of syntactic theory he worked on the complementizer system in Dutch.

Zwart continued his research from last year, looking into the fundamental properties of the most local relations of syntactic structure, ordered pairs of sisters generated by the universal structure building process Merge. Publications were prepared on agreement and verb placement as dependency marking devices. The research has branched into syntactic typology, in view of which a 164-language sample was constructed, tested and described. Based on the sample, a study was made of universal properties of monosyndetic noun phrase coordination in head-final languages.

**Honors and Awards**

C. J. W. Zwart was connected to the Syntax Fest between the 18th June and the 1st July, 2004, which is organised by the Department of Linguistics at Indiana University, Bloomington, U.S.A.

**Scholarly Publications**

**Dr. R. Bok-Bennema.**


Drs. G. J. Bouma.

Dr. P. Hendriks.


Dr. J. C. J. Hoeks.


Prof. Dr. J. Hoeksema.


Dr. B. A. A. Kampers-Manhe.

Dr. O. N. C. J. Koeneman.

Prof. Dr. J. Koster.

Prof. Dr. A. G. B. ter Meulen.

Dr. A. Molendijk.
Dr. V. Sánchez Valencia.

Dr. J. Spenader.
http://www.linguistics.ucla.edu/people/schenler/ESSLLI04.html

Prof. Dr. J. P. Vet.

Dr. M. de Vries.
Dr. R. M. van Zonneveld.

Dr. C. J. W. Zwart.

Prof. Dr. F. Zwarts.

Other Publications

Dr. J. C. J. Hoeks.

Prof. Dr. J. Hoeksema.

Dr. J. Spenader.

Prof. Dr. F. Zwarts.
Lectures

**Drs. J. ter Beek.**

**Dr. R. Bok-Bennema.**

**Drs. G. Bouma.**
Bouma, G. Pronoun Resolution in Optimality Theory. DIP Colloquium, University of Amsterdam. 12th March, 2004. [invited]

**Dr. P. Hendriks.**
Hendriks, P. Optimalisatie in taal. Colloquium Kunstmatige Intelligentie, University of Groningen. 6th April, 2004. [invited]

**Dr. J. C. J. Hoeks.**


**Prof. Dr. J. Hoeksema.**

**Dr. B. A. A. Kampers-Manhe.**

**Dr. O. N. C. J. Koeneman.**

**Prof. Dr. J. Koster.**

**Prof. Dr. A. G. B. ter Meulen.**
Meulen, A. G. B. ter. Interpretation in Context. Colloquium Metajuridicum, on the occasion of Anthonin Scalia’s visit, Faculty of Law, University of Leiden. 10th September, 2004. [invited]

**Dr. A. Molendijk.**
Molendijk, A. Aspect in het Romaans, Guest seminar, Utrecht University. 18th May, 2004. [invited]

**Drs. L. Reitsma.**
Reitsma, L. Frysk tiidwurdkloften. Temamiddei Taalkundich Wurkferbân (=Linguistics Theme Afternoon), Fryske Akademy, Leeuwarden. 9th October, 2004. [invited]

**Drs. E. J. Smits.**
Smits, E. J. On the Acquisition of the Weak-Strong Distinction and the Dutch Quantifier ‘allemaal’. Workshop ‘From Syntax to SLI,’ University of Massachusetts, Amherst. 8th November, 2004. [invited]

**Dr. J. Spenader.**

**Dr. M. de Vries.**
Vries, M. de. Parataxis as a Different Type of Asymmetric Merge. Interfaces Conference, Pescara, Italy. 30th July, 2004.

**Dr. R. M. van Zonneveld.**

**Dr. C. J. W. Zwart.**
Zwart, C. J. W. Unary Merge. Staff Seminar, Tilburg University. 28th October, 2004. [invited]

Other Research Activities

Dr. R. Bok-Bennema.
• Member of the core group of Going Romance.

Prof. Dr. G. J. de Haan.
• Chair of the Advisory Committee of the Bureau Groninger Taal en Cultuur.
• Member of the Advisory Committee of the Grensoverschrijdende Streektalen.
• Member of the Advisory Committee of A Modern Grammar of Dutch.
• Dean of the Faculty of Arts.
• Faculty Board Member with Portfolio Research.
• Member of the Editorial Board of the Literary-Linguistic Journal Us Wurk.
• Member of the Editorial Board of the Linguistic Journal Tabu.
• Member of the Editorial Board of the Linguistic Journal GRAMMA/TTT.

Prof. Dr. J. Hoeksema.
• Member of the Veni Committee, NOW
• Chair of the LOT/Anela Dissertation prize
• Editor of TABU
• Consulting Editor of Yearbook of Morphology
• Member of the Editorial Board of Nederlandse Taalkunde
• Member of the Editorial Board of Annual Review of Language Acquisition
• Member of the International Board of Revue de Semantique et Pragmatique
• Member of the Reading Committee of Sarah D. Kenelly’s PhD thesis, Linguistics, Utrecht University. 6th October, 2004.
• Promotor of Judith Rispens, University of Groningen. 10th June, 2004.
• Member of the Reading Committee of Susanne Schoof, University of Groningen. 6th December, 2004.

Dr. B. A. A. Kampers-Manhe.
Prof. Dr. J. Koster.
- Editor of *Studies in Generative Grammar*, Mouton/De Gruyter.
- Member of the Editorial Board of *The Linguistic Review*.
- Member of the Editorial Board of *Syncom*.
- Member of the Editorial Board of *TABU*.
- Member of the Advisory Committee of a Modern Grammar of Dutch.

Prof. Dr. A. G. B. ter Meulen.
- Member of ECOS Humanities, KNAW.
- Member, Committee of Cognitive Science, KNAW.
- Member, Section Language and Literature, KNAW.
- Member, General Board of NWO (0.4 fte contract NWO.)
- Chair, Publication Committee, NWO.
- Chair, Talent Committee, NWO.
- Member, Koninklijke Maatschappij der Wetenschappen (=The Royal Society of Science), Haarlem.
- Member, Jury for the Keetje Hodgson Prize, Koninklijke Maatschappij der Wetenschappen (=The Royal Society of Science), Haarlem.
- Member, Scientific Advisory Board, OTS Research Institute, Faculty of Arts, Utrecht University.
- Associate of *Behavioral and Brain Sciences*.

Dr. A. Molendijk.
- Member of the Scientific Committee of the Journal *Cahiers Chronos* (Rodopi), Amsterdam & Atlanta.

Drs. L. Reitsma.
- PhD Member of the CLCG Advisory Board.

Dr. J. Spenader.
- Referee ACL Student Session 2004.

Dr. C. J. W. Zwart.
- Editor-in-Chief of the *Germanic Generative Syntax Newsletter*, Department of Linguistics, University of Groningen.
- Member of the Editorial Board of *Linguistics Today / Linguistik Aktuell*, Amsterdam & Philadelphia: John Benjamins.
- Member of the Editorial Board of *Syntax*, Oxford: Blackwell.
- Member of the Editorial Board of *GLOT International*, Oxford: Blackwell.
- Series Editor of *Groninger Arbeiten zur germanistischen Linguistik*, CLCG, University of Groningen.
4.3 Discourse and Communication

This group combines research in pragmatic discourse analysis with the study of communication in institutional settings, i.e., in and around organizations, in the media, and on the Internet. The research focuses on the use of language and non-verbal semiotic systems in specific, esp. institutional and intercultural, communicative contexts, including face-to-face interactions, telephone conversations, written, visual, and audio-visual communication. Interactions are considered as situated, culture- and context-sensitive joint actions of the participants. Media are analyzed in terms of their specific functionalities such as semiotic capacities, interactivity, and permanency. Cultural factors studied include institutional roles, ethnic, geographical, and socio-economic background, as well as gender.

Members
Marcel Bax, Arrie van Berkel, Jeanine Deen, Titus Ensink, Harrie Mazeland, Ali Oussaïd, Henrike Padmos (PhD), Gisela Redeker (coordinator), Christoph Sauer, Wim Vuijk, Neslihan Yetkiner (PhD).

Associated member
Anke van Haastrecht

Research Results
Danielle Bougaïré defended her dissertation on design, execution, and effects of health communication campaigns in Burkina Faso (supervisors were Oussaïd and Redeker in Groningen and Balima in Burkina Faso). She is now at the University of Ouagadougou in her home country, Burkina Faso.

Interactional Sociolinguistics
Mazeland showed that the linguistic form of a sequentially specifiable type of response turn in telemarketing calls displays an orientation to both local sequential contingencies (an opinion query) and the place of the sequence in the overall course of action (the telemarketing call). Variation of the shape of response turns can be explained in terms of the activity the sequence is part of.

Mazeland and Zaman-Zadeh examined word-clarification repairs of adult immigrant learners of Finnish. They describe word-clarification repairs at the semantic, conceptual, and interactional levels, and show that the sequential design of the repair is in part governed by the semantic features of the word that is explained. In particular, state modifying categories, which presuppose the state they modify (e.g., divorce presupposes the state of being married) are clarified by taking the presupposed state as the starting point for the repair.

Yetkiner continued her dissertation research by investigating sincerity markers as linguistic means of protective-defensive self-presentation in Turkish women’s talk on delicate topics. She also published a paper on the portrayal of women in Turkish proverbs. A paper with Redeker on euphemistic reduplication is currently under review.

Redeker started a project on gender and power in televised political interviews and discussions. In a pilot study with Wagenaar (MA student), she investigated gender differences in the use of continuers, assessments, and interruptions.


Historical Pragmatics
Continuing his research into oral ritual, Bax showed that contemporary “random violence” is often preceded by verbal dominance displays that share the interactional characteristics of the ritual pre-combat confrontation as represented in ancient and medieval narrative. This led him to postulate that violent escalation results from a de-ritualization of conflict in modern
society. In an interdisciplinary collection he co-edited with van Heusden (Groningen) and Wildgen (Bremen), Bax shows how the currently prevailing inferentially-based strategies of indirect speech communication have evolved out of iconic forms of indirect conveyance as exemplified by ritual language behavior.

**Media Discourse**

Padmos continued her dissertation research on citizenship construction in public debates on genetically modified food in the Netherlands, which she had started at Wageningen University in the international EU-project *Participation and the Dynamics of Social Positioning – The Case of Biotechnology. Images of Self and Others in Decision-Making Procedures.*

Ensink continued his work on the application of frame theory to media discourse. He elaborated the descriptive apparatus and started investigating the role of visual perceptual framing in discourse. He also started a project on quotation in courtroom discourse.

Sauer continued his development of a functional-pragmatic approach to media theory that combines discourse potentials and media practices comparing audiovisual representations with oral and written/typographic discourses. In an application of this approach, he analyzed the “modernization” of direct mail with regard to fundraising. In his continued investigation of a corpus of Christmas messages by European heads of state on TV, he focuses on the semiotic resources of multimedial discourses (body language, use of video footage, music, national symbols, candles etc). Sauer further prepared various publications on text evaluation and optimization, on societal knowledge management and rhetoric, on rhetorical and visual analyses of the book and film “Der Untergang”, and a critical discussion of the BBC’s coverage of the first British “Holocaust Memorial Day.”

Working in the frameworks of cultural studies, critical discourse analysis, narratology and film analysis, Van Haastrecht investigated film as an interpretation of literature from a gender perspective, showing that feminist filmmakers succeed in making mainstream films that transmit a feminist message although the source text had no feminist objectives.

Van Haastrecht collaborated with an international group of colleagues in investigating journalistic bias in public television news coverage of the American elections in 2000 and 2004 in eight European countries. For the Netherlands, initial results show an increase in bias in 2004.

**Scholarly Publications**

**Dr. M. M. H. Bax.**


**Dr. D. Bougaïré.**

Dr. H. J. Mazeland.

Dr. C. L. A. Sauer.

N. Yetkiner, M.A.

Other Publications

Dr. M. M. H. Bax.

Prof. Dr. G. Redeker.

Dr. C. L. A. Sauer.

Lectures

Dr. M. M. H. Bax.

Dr. J. Y. Deen.
Dr. H. J. Mazeland.

Prof. Dr. G. Redeker.

Dr. C. L. A. Sauer.

N. Yetkiner, M.A.
Yetkiner, N. The Case of Valla(hi) and Gerçekten in Turkish as two Sincerity Markers. CLPG 2004 – International Congress on Language, Politeness and Gender, University of Helsinki, Finland. 2nd-5th September, 2004.

Other Research Activities

Dr. M. M. H. Bax.
• Member of the Board of the Vereniging Interuniversitair Overleg Taalbeheersing (VIOT).
• Member of the Editorial Board of the Journal of Historical Pragmatics.
• Co-editor (together with B. P. van Heusden (ICOG) and W. Wildgen (University of Bremen)), Semiotic Evolution and the Dynamics of Culture. Bern: Peter Lang, 2004.
• Member of the Editorial Board of the Series Studies in Taalbeheersing, Van Gorcum, Assen.
Dr. E.F.A.J. Ensink.
• Secretary of the editorial board of *Perspectieven op Taalgebruik*
• Member of the editorial board of *Taalbeheersing*
• Editor of *Voortgang, Jaargang voor Neerlandistiek*
• Editor of the *Groningen Series on Language Use and Communication*

Dr. H. J. Mazeland
• Member of the Editorial Board of *Tijdschrift voor Taalbeheersing*.
• Invited member of the panel for final discussions at the conference on Situated Cognition, University of Bielefeld. October 2004.

Dr. A. Oussaïd.

Prof. Dr. G. Redeker.
• Member of the Board of Advisory / Consulting Editors of *Journal of Communication*, Washington, DC., U.S.A
• Member of the Board of Advisory / Consulting Editors of *Linguistik Online* http://www.linguistik-online.com.
• Member of the Board of Advisory / Consulting Editors of *Poetics: Journal of Empirical Research on Literature, the Media and the Arts*. Amsterdam.
• Member of the Board of Advisory / Consulting Editors of *Tijdschrift voor Communicatiewetenschap*. Deventer.
• Member of the Editorial Board of *Voortgang: Jaarboek voor Neerlandistiek*. Amsterdam & Münster.
• Promotor of D. Bougaïrê, University of Groningen. 28th June, 2004.
• Member and Secretary of the Defence Committee at T. Gaustad’s PhD Defence, University of Groningen. 1st November, 2004.

4.4 Descriptive and Historical Linguistics

This research group unites linguists interested in the description and/or history of a great variety of languages and dialects. Lexicography and onomastics – both with a strong tradition at the University of Groningen – are also included. This combination of synchronic and diachronic research in one research group is a natural consequence of the fact that the members consider these areas as interdependent. Moreover, theoretical assumptions and methodology in these areas overlap.

As was stated in the 1999 Annual Report, the research program of this group was concentrated on four subjects:

*Descriptive linguistics:*
1. Syntax and semantics, with special emphasis on German, English and Spanish. Research in a number of sub-areas, such as (a) cognitive analysis and syntactic analysis from a functional perspective, (b) collocations.
2. Dialectology (Slavic and Germanic). Serbo-Croatian and Low Saxon, loan relationships between German and West Slavic dialect.

*Historical Linguistics:*
3. Study of language change based on old texts (Scandinavian and Slavic).
4. Language change in Baltic Finnic and loan relationships with Germanic, Slavic and Baltic.
Members
Stefanie Bakker (PhD), Agnes de Bie-Kerékjártó, Rogier Blokland (PhD), Helene Brijnen, Bram ten Cate, Marika Czibere, Cornelius Hasselblatt, Tette Hofstra, Pieter Houtzagers (coordinator), Bob de Jonge, Geart van der Meer, Hermann Niebaum, Muriel Norde, Siemon Reker, Hania Toby (PhD), Gerry Wakker.

Research Results
As in other years, the research of the group has resulted in publications in all of the areas mentioned above. Because of the great variety of subjects studied by the group, it has become a tradition in the annual reports to pick out one scholar and give a brief description of his or her research. When several of these reports are taken together, they give a good impression of the work of the group as a whole. This year we will highlight the research project of Dr. Muriel Norde, called Is zero the final stage in grammaticalization? Some surprising effects of deflexion in Continental Scandinavian. This project runs from July 2002 through January 2006 and is financed by the Royal Netherlands Academy of Arts and Sciences. The main aim of this project is to present a detailed description of the gradual decline of the Continental Scandinavian case system, drawing data from runic inscriptions and texts from the 13th century until around 1600. Apart from the collection and analysis of data, the project will be concerned with three important theoretical questions in historical morphology. The first is whether inflectional endings, being the most grammaticalized of grammatical forms, have no other option than the zero stage (loss), as predicted by the unidirectionality hypothesis in grammaticalization theory. The second question is whether deflexion proceeded in the same way and at the same speed in all declensions. The third question is whether the influx of loanwords served as a catalyst for the morphological changes. Publications from this project address both theoretical issues (e.g. the parameters of degrammaticalization) and corpus-based descriptions of changes in individual endings and contructions.


Hofstra and Norde were two out of three organizers of the yearly international workshop on Old Germanic held in Groningen in the spring of 2004. Reker organized an exposition in the Groningen University Library (for which he also wrote the catalogue) about the work of the Groningen lexicologist K. van der Laan.

*Following the suggestions of the Peer Review Committee, the group decided to change its name into “Language Variation and Language Change” and to enhance the internal cohesion by exploring the possibilities for joint initiatives and organizing meetings on a regular basis.

Honors and Awards
Hasselblatt was invested with the Cross of Terra Mariana, 3rd class, by the President of the Estonian Republic for his merits for Estonian culture and for promoting Dutch-Estonian relations, including scientific contacts.

Scholarly Publications

Dr. A. de Bie- Kerékjártó.

Dr. H. Brijnen.  

Dr. A. P. ten Cate.  

Dr. M. Czibere.  

Prof. Dr. C. Th. Hasselblatt.  

Prof. Dr. T. Hofstra.  

Dr. R. de Jonge.  

Dr. G. van der Meer.  

Prof. Dr. H. W. H. Niebaum.  
Niebaum, H W H. 2004. Desse gruwelijkcke dinghen naebescreuen woe dat die sint obenbaer gheworden aller ersten inden Dam, als toe weten van die toeuenarsen [...], Zur Sprache eines groningerländischen chronikalischen Berichts zur Hexenverfolgung um die Mitte des


Dr. M. Norde.


Prof. Dr. S. J. H. Reker.

Dr. G. C. Wakker

Other Publications

Dr. A. P. ten Cate.

Dr. G. van der Meer.

Prof. Dr. H. W. H. Niebaum.
**Prof. Dr. S. J. H. Reker.**


**Dr. G. C. Wakker.**


**Lectures**

**Drs. S. Bakker.**


**Dr. A. de Bie-Kerekjarto.**

Bie-Kerekjarto, A. de. Fogalmi metaforák és nyelvi interferencia. VII Nemzetközi Magyar Nyelvtudomány Kongresszus (=7th international conference for Hungarian linguistics), Magyar Tudomanyos Akademia (=Hungarian Academy of Science), Budapest, Hungary. 29th-31st August, 2004. [invited]

**Dr. A. P. ten Cate.**


**Dr. M. Czibere.**


**Prof. Dr. T. Hofstra.**

Dr. R. de Jonge.

Prof. Dr. H. Niebaum.

Dr. M. Norde.

Other Research Activities

Dr. A. P. ten Cate.
• Member of the International Organization Committee of the Linguistic Colloquium.
• Member of the editorial board of the series ‘Linguistik International,’ Peter Lang Verlag, Frankfurt/Main, Germany.
• Member of the editorial board of the journal TABU, University of Groningen.

Prof. Dr. C. Th. Hasselblatt.
• Secretary of Societas Uralo-Altaica, Göttingen.
• Editor of Finnisch-Ugrische Mitteilungen (Peer-reviewed journal of Uralic Studies).
• Editor of Mitteilungen der Societas Uralo-Altaica (Minor Series, one issue in 2004).
• Editor of Studia Fenno-Ugrica Groningana (No issue in 2004).
• Member of the Reading Committee of Petri Kallio’s PhD thesis, University of Leiden (VTW). November 2004.

Dr. H. P. Houtzagers.
• President of the Descriptive and Historical Linguistics Research Group within CLCG.
• Member of the Editorial Board of Studies in Slavic and General Linguistics, Rodopi, Amsterdam & New York.

Dr. R. de Jonge.
• Regional Delegate for the Netherlands, Belgium, England and Scandinavia with the Asociación de Lingüística y Filología de América Latina (ALFAL).

Prof. Dr. H. W. H. Niebaum.
• Chairman of the Board of the Institut für niederdeutsche Sprache Bremen.
• Member of the Board of the Verein für niederdeutsche Sprachforschung.
• Member of the Board of the Kommission für Mundart- und Namenforschung Westfalens.
• Member of the Board of the Verein für geschichtliche Landeskunde von Osnabrück.
• Member of the Board of REWO (Regionale Woordenboeken) of the Nederlandse Taalunie.
• Member of the Advisory Council for GTB (Geïntegreerde Taalbank) of INL (Instituut voor Nederlandse Lexicologie).
• Chairman of the Counsel for Editorial Supervision for the Stellingwerfs Woordenboek.
• Supervising Editor of the Jahrbuch des Vereins für niederdeutsche Sprachforschung.
• Member of the Editorial Board of Taal en Tongval.
• Member of the Editorial Board of Driemaandelijkse Bladen.

Dr. M. Norde.
• Secretary of the Vereniging van Oudgermanisten (=the Association of Old Germanic Studies).
• Anonymous Referee for Journal of Linguistics (1 paper).
• Anonymous Referee for Studia Germanica Gandensia (1 paper).
• Member of the Supervisory Committee of G. Rawoens PhD Thesis, Ghent University, Department of Scandinavian and North European Studies, Belgium.

Prof. Dr. S. J. H. Reker.
• Vice-president of Stichting Nederlandse Dialecten.
• Member of the Editorial Board of Taal en Tongval. Tijdschrift voor Taalvariatie. Ghent and Amsterdam.

Dr. G. C. Wakker.
• Co-promotor of S. Schoof, University of Groningen. 6th December, 2004.
• Co-promotor and daily supervisor of S. J. Bakker (Word Order in the Noun Phrase).
• Co-promotor and daily supervisor of R. van Meurs (KCV: een eerste evaluatie). External PhD Student.

4.5 Computational Linguistics

The computational linguistics group focuses on language processing by computer – theoretically, experimentally and through projects in Applied Linguistics. Areas of special interest are wide-coverage grammars (typically for Dutch), finite automata, machine learning of natural language, and corpus-based methods.

Through common interests in mathematical linguistics, corpora, and learning there are ties to CLCG groups in semantics, descriptive and historical linguistics, phonetics and phonology, educational linguistics, and discourse and communication.

Members
Geoffrey Andogah (PhD), Leonoor van der Beek (PhD), Tamás Biró (PhD), Francisco Dellatorre Borges (PhD), Leonie Bosveld, Gosse Bouma, Ismail Fahmi (PhD), Tanja Gaustad (PhD), Wilberg Heeringa (Postdoc), Jori Mur (PhD), Mark-Jan Nederhof (Postdoc), John Nerbonne, Gertjan van Noord (coordinator), Lonneke van der Plas (PhD), Robbert Prins
(PhD), Susanne Schoof (PhD), Christine Siedle (PhD), Jörg Tiedemann (Postdoc), Begoña Vilada Moiron (PhD).

**Associate members:**
Henny Klein.

**Research Results**
The computational linguistics group of CLCG obtained the maximum score (5, 5, 5, 5) in the external evaluation procedure over 1998-2004.

The recent line of research in which computational models are applied in dialect comparison culminated in Wilbert Heeringa’s dissertation *Measuring Dialect Pronunciation Differences using Levenshtein Distance*. Heeringa graduated cum laude. At this occasion, a successful workshop *Progress in Dialectometry* was organised in January 2004. This research is continued in the NWO programme *Determinants of Dialectal Variation* which started at the end of 2003. Heeringa contributes to this programme as a post-doc (unfortunately, a Ph.D. student left the programme after almost a year for personal reasons). Further research grants having been awarded by the VW Stiftung, as part of a co-operation with Hinrichs and Gerdemann (Tübingen) for an additional 3-year part-time research position, and by the NWO for a one-year postdoc project for Dr. Petja Osenova, entitled *Measuring Language Contact*. Research in this context attempts to model language variation by taking an increasing number of external factors (such as geographical factors) into consideration.

Suzanne Schoof defended her thesis on an HPSG account of nonfinite verbal complements in Latin.

In the context of van Noord’s PIONIER project *Algorithms for Linguistic Processing*, the ALPINO parser for Dutch was developed further, and is now a de facto standard parser for Dutch. Its advanced disambiguation component was described in a paper presented at a workshop dedicated to disambiguation in Hainan (China). The innovative use of very large corpora for grammatical engineering was presented at ACL (van Noord). A further paper was presented at ACL by Nederhof, on a new technique for training probabilistic LR parsers. Last but not least, Tanja Gaustad was the first Ph.D. student in this project to finish her thesis. She defended a thesis on linguistic knowledge and word sense disambiguation, showing that word sense disambiguation problems can benefit from fine-grained syntactic analysis (of the type provided for instance by the ALPINO parser). In this context research is characterized by a combination of linguistic sophistication and a strict corpus-based evaluation methodology. The use of very large automatically analysed corpora is a very innovative aspect of this research.

Bouma initiated a research project on the application of dependency parsing for question answering applications, in the context of the NWO IMIX programme. Two new Ph.D. students and a postdoc started to work on this project during 2004. A first prototype question answering system called *Joost* has been implemented, using parsing technology developed in the PIONIER project mentioned above, and extending this technology with various techniques to create, enhance and exploit semantic ontologies. Two other Ph.D. students (Fahmi and Andogah) have started research on terminology and information extraction.

STEVIN is a long-term research programme for Dutch language and speech technology, financed by both the Flemish and Dutch governments. The programme is coordinated by the Nederlandse Taalunie. In the first round of projects, the computational linguistics research in Groningen was involved in four proposals. Three of those proposals were successful. In one large project, the Groningen group will work on the syntactic annotation of a large corpus of written Dutch (with Katholieke Universiteit Leuven). In a further project, Begona Villada can continue her work (as a postdoc) on the identification and classification of fixed expressions, in co-operation with Odijk (Utrecht University) and Van Dale Lexicography. In the third project, a postdoc candidate will work on automatic pronoun resolution in co-operation with Daelemans (University of Antwerp).
Honors and Awards

The relevance of the research of the Groningen CL group is also reflected in the participation of the members of the group in various important international organisations, journals, conferences and workshop (cf. the personal reports). Van Noord was the chair-elect of the EACL (European chapter of the ACL), and as of January 1st, 2005, he is chair.

Scholarly Publications

**Drs. L. van der Beek.**

**Drs. T. Biro.**

**Dr. L. M. Bosveld-de Smet.**

**Dr. G. Bouma.**
Dr. T. Gaustad.

Dr. W. J. Heeringa.

J. Mur, M.A.

Dr. M. J. Nederhof.

Prof. Dr. Ir. J. Nerbonne.


**Dr. G. J. M. van Noord.**


**Drs. L. van der Plas, M.A.**


**Drs. R. P. Prins.**


**Dr. S. Schoof, M.A.**


**Dr. J. Tiedemann.**


M. B. Villada Moiron, M.Sc.

Lectures

**Drs. L. van der Beek.**

**Drs. T. Bíró.**

**F. Dellatore Borges, M.Sc.**

**Dr. L. M. Bosveld-de Smet**

**Dr. G. Bouma.**
Bouma, G. Question Answering Using Dependency Relations. Saarland University, Saarbruecken, Germany. 10th December, 2004. [invited]

Dr. T. Gaustad.

Dr. W. J. Heeringa.
Heeringa, W. Measuring Dialect Pronunciation Differences using Levenshtein Distance. Workshop Progress in Dialectometry, University of Groningen. 9th January, 2004. [invited]
Heeringa, W. Measuring Dialect Pronunciation Differences using Levenshtein Distance. ACLC-Seminar, University of Amsterdam. 24th September, 2004. [invited]

Prof. Dr. Ir. J. Nerbonne.
Nerbonne, J. The Data Deluge. Plenary Speaker at Computing and Multilingual, Multicultural Heritage. the Joint Meeting of the Association for Computers and the Humanities and the Association for Literary and Linguistic Computing, Gothenburg, Sweden. 11th June, 2004. [invited plenary]

Dr. G. J. M. van Noord.

Drs. L. van der Plas, M.A.

Dr. J. Tiedemann.


M. B. Villada Moirón, M.Sc.


Other Research Activities

Dr. G. Bouma.

Dr. W. J. Heeringa.
• Member of the Committee of the Nederlandse Vereniging voor Fonetische Wetenschappen (=The Dutch Society for Fonetic Science).

Prof. Dr. Ir. J. Nerbonne.
• Director of the CLCG.
• Member of the Nominating Committee of Association for Computational Linguistics.
• Member of the NWO Committee for Investment subsidies.
• Member of the KNAW Committee, Voorverkenning Informatie- en Communicatietechonologie (=Exploration of Information and Communication technology).
• Member of the NWO-KNAW Committee, Data Archives and Network Services (for Humanities and Social Sciences).
• Member of the University of Groningen ICT Committee.
• Member of the Board of Taal- en Spraaktechnologie (=Speech and Language Technology) (NWO, Taalunie, Economic affairs).
• External Evaluator, Tübingen Sonderforschungbereich 441 (Linguistic Data Structures), Deutsche Forschungsgemeinschaft (DFG), Potsdam Sonderforschungsbereich 632 (Information Structure).
• Member of the Board of Overseers, Biblionet Groningen.
• Promotor of W. Heering, University of Groningen. 7th January, 2004.
• Promotor of W. Jansen, University of Groningen. 27th May, 2004.
• Promotor of S. Schoof, University of Groningen. 6th December, 2004.
Dr. G. J. M. van Noord.
- Member of the Editorial Board of Computer Speech and Language.
- Chair-Elect of the European Association of Computational Linguistics.
- Member of the NWO Programme Committee Interactive Multimedia Information Extraction.
- Member of LOT Committee ‘Popularisering’.
- Member of PC IJCNLP 2004, Hainan, China.
- Member of PC ACL Student Research Workshop.
- Member of CLIN workgroup.
- Reviewer for the journal Natural Language Engineering.
- Reviewer for COLING 2004.
- Reviewer for the journal Computational Linguistics.
- Reviewer for the journal Computer Speech and Language.
- Reviewer for CLIN.

M. B. Villada Moirón, M.Sc.
- Referee for the International Journal of Lexicography.

4.6 Educational Linguistics

Members
Sible Andringa (PhD), Jan Berenst, Nanette Bienfait (Postdoc), Kees de Bot, Pieter Breuker, Marjolein Deunk (PhD), Kees de Glopper (coordinator), Hilde Hacquebord, Jacqueline van Kruiningen (PhD), Erik Kwakernaak, Wander Lowie, Aart Pouw, Joanneke Prenger (PhD), Marjolijn Verspoor.

Associated members
Carien Bakker, Nynke Borst, Anke Herder, Tom Huong, Sake Jager, Angeniet Kam, Femke Kramer, Roelien Linthorst, Yvette Meinema, Jan-Arjen Mondria, Petra Prescher, Maaike Pulles, Berend Stellingwerf, Arnoud Thuss, Sybrich de Vries, Marjolein van der Werff, Theo Witte.

The work of the group deals with first, second and foreign language learning and with learning in a variety of settings (homes, schools, etc.). The group has welcomed Heike Behrens and Angeliek van Hout as new members as of 2005. Educational Linguistics has a very active program of lectures that was skillfully organised by Joanneke Prenger, who has recently been succeeded by Marjolein Deunk.

De Glopper continued research on knowledge and speed factors in L1, L2 and EFL reading and writing, initial reading instruction and literary response. Berenst continued research into the evaluation of literacy promotion programs and research into classroom interaction and language learning. Breuker continued his research into the teaching of Frisian in Dutch schools. Hacquebord continued her work on the testing of reading comprehension and on the development of computerized language testing procedures for use in and by schools. Kwakernaak continued his research into developmental sequences in the acquisition of case markers. Pouw worked on research into the acquisition of French as a foreign language. Andringa completed the data collection for his PhD study and performed a large part of the statistical analyses. His dissertation will be completed in the spring of 2005. Prenger worked on the quantitative and qualitative analysis of the data of her PhD-study on meaning construction in the mathematics classroom. Her dissertation will be completed in the spring of 2005. Van Kruiningen continued her dissertation study into university teachers’
perceptions of and attitudes towards the teaching of academic writing. Bakker and Herder carried out pilot studies and developed instruments for their PhD-studies into the effects of writing on learning. Witte continued work on his dissertation into literary education in secondary schools.

Verspoor, Lowie and De Bot finished their book on Dynamic Systems Theory and Second Language Acquisition which will be published by Routledge in May 2005. De Bot finalized a multi-year project on language and aging in multilingual societies and worked on early bilingualism is primary schools in Groningen and Rotterdam. In May he gave his inaugural speech in which he sketched some of the lines of research he intends to develop further. Verspoor continued work on cognitive grammar and worked with Huong on his dissertation study into the acquisition of the English article system in Vietnamese students. Lowie continued his work on the acquisition of English as a second/foreign language and studied the effects of teaching pronunciation. Behrens’s research deals with emergent structures and addresses the question of how to learn language from positive evidence. She continued work on corpus research on German. In April she gave her inaugural speech. Jager worked on his dissertation on the development of computer-assisted language learning in higher education. Thuss started working on multilingual processing in elderly people, while Prescher started gathering data for her PhD research in language attrition among Russian and German migrants in the Netherlands.

The former Educational Linguistics group will change its name, program and composition on the basis of the comments made by the review committee from the 1st January, 2005. The new program, Language and Literacy Development Across the Lifespan, aims to look at language and literacy development in different age groups, including both early child language development and language in the elderly.

**Scholarly Publications**

**Dr. J. Berenst.**


**Prof. Dr. C. L. J. de Bot.**


**Dr. P. Breuker.**


**Drs. S. Jager.**


**Dr. W. Lowie.**


**Dr. A. H. M. Pouw.**


**Dr. M. H. Verspoor.**


**Other Publications**

**Prof. Dr. C. L. J. de Bot.**


**Dr. W. Lowie.**


**Lectures**

**Drs. S. Andringa.**


**Dr. J. Berenst.**


**Prof. Dr. C. L. J. de Bot.**


Bot, C. de. De dynamiek van meertaligheid. Inaugural Address, University of Groningen. 25th May, 2004. [invited]


Dr. H. I. Hacquebord.
Hacquebord, H. I., M. Pulles. Diverse Scholingsbijeenkomsten ETB/DiaTaal.

Drs. J. F. van Kruiningen.
Kruiningen, J. F. Communication in the disciplines. Dansk Universitetpeadagogisk Netvaerk, University of Copenhagen, Denmark. 19th February, 2004. [invited]

Dr. W. Lowie
Lowie, W. Taalonderwijs in Digitalenklas met Ellips. SLOC Symposium, University of Amsterdam. 29th October, 2004. [invited]

Drs. J. Prenger.

Other Research Activities

Drs. S. Andringa.
• Member of the committee of Anela, the Dutch society for applied linguistics.

Dr. J. Berenst.
• Member of the Board of ETOC.
• Member of Committee for Groninger Onderwijsdag (=The Teaching Day of Groningen).
• Research supervisor of the pilot project of Stichting Lezen, Amsterdam, and the Landelijke Thuiszorg into the efficiency of activities promoting reading of the Consultation Bureaus of Northern Holland.
• Member of the Editorial Board of *Tijdschrift voor Taalbeheersing*. Koninklijke Van Gorcum: Assen.

**Prof. Dr. C. L. J. de Bot.**
• President of the Executive Committee of BCN.
• Member of the Editorial Board of *Bilingualism: Language and Cognition*.
• Member of the Editorial Board of *Annual Review of Applied Linguistics*.
• Member of the Editorial Board of *Journal of Multilingual and Multicultural Development*.
• Member of the Editorial Board of *International Journal of Applied Linguistics*.
• Member of the Editorial Board of *International Journal of Bilingualism*.
• Member of the Editorial Board of *International Journal of Multilingualism*.
• Member of the Editorial Board of *Language Teaching Research*.
• Member of the Board of Trustees of the TESOL International Research Foundation.
• Member of the Advisory Board of the Department of Modern Languages, Carnegie Mellon University.

**Dr. P. Breuker.**
• Member of the Editorial Board of *Us Wurk*.

**Dr. H. I. Hacquebord.**
• Chair of the Jury for the Anela Essay prize 2004.
• Member of the Jury of the Teaching prize Nederlandse Taalunie.
• Member of the Taalforum of the Nederlandse Taalunie.
• Member of Platform Onderwijs van het Nederlands
• Member of the Working group Onderwijs Nederlands of the Council of Nederlandse Taal en Letterkunde (=Dutch Literature and Linguistics).
• Participant in the Platform Taalgericht Vakonderwijs.

**Dr. W. Lowie.**
• Member of the Editorial Board for *Toegepaste Taalwetenschap in Artikelen (TTWiA)*, Amsterdam.

### 4.7 Neurolinguistics

The Neurolinguistics research group is concerned with the organization of language in the brain, through the study of aphasia, developmental disorders and normal language acquisition, as well as through experimental approaches to language processing. The focus is on comprehension and production of various aspects of verbs (in impaired language acquisition and in aphasia), phonological processing (in aphasia and dyslexia), sentence processing (in non-brain-damaged and aphasic speakers) and ambiguity resolution (in normal speakers and schizophrenic patients). Our policy is to use a wide range of methods (offline tasks, spontaneous-speech analysis, ERP, fMRI, cross-modal lexical priming, reaction times etc) in order to understand and describe human language processing through a number of specific populations of subjects and close collaboration between the subgroups.

**Members**
Roelien Bastiaanse (coordinator), Pieter Been, Heike Behrens, Nynke van den Bergh (PhD), Gerard Bol, Katrien Colman (PhD), Jantien Donkers (PhD), Dieuwke de Goede (PhD),
Elzerieke Hilbrandie (PhD), Bart Hollebrandse (Postdoc), Holger Hopp (PhD), Angeliek van Hout, Roel Jonkers, Julia Klitsch (PhD), Charlotte Koster (Postdoc), Eveline Krikhaar (Postdoc) Dirk-Bart den Ouden (Postdoc), Laurie Stowe, Eleonora Rossi (PhD), Maria Trofimova (PhD), Femke Wester (PhD), Tuba Yarbay Durman (PhD), Monika Zempleni (PhD).

**Research Results**

The research program has three major facets. One is the study of the organization of normal language comprehension. In 2004, Zempleni and Stowe completed the first three 3T fMRI experiments with language, all concerned with semantic processing of sentences. The first experiment localized the area of the brain which is activated when subjects read sentences in which the words have a clear semantic relationship which is at odds with the syntactic structure in which they occur: the experiment suggests a clear involvement of Broca's area in processing these sentences. The two other studies addressed the resolution of semantic ambiguities, the first using lexical semantic ambiguities, as in words like *bank*, which can mean either a monetary institution or the ground next to a river, the second using idioms, which can be understood either literally or metaphorically. Both of these experiments also indicated a clear role for dealing with conflicting forms of information in Broca's area. Ambiguity resolution also appears to involve inhibitory processes, some of which are linked to the right hemisphere. Donkers started her research on the processing of wh-questions and addressed, more specifically, a distinct processing difference between “who” and “which” questions in a self-paced reading study.

A second major research area involves language development in normal children, children with specific language disorders (SLI), children with developmental dyslexia, and adult second language learners. Judith Rispens defended her thesis on dyslexia in June. Bol conducted research on the production of pronouns in three groups of subjects with developmental language disorders: children with Specific Language Impairment, children with hearing impairment and children and (young) adults with Down's syndrome. Bol contributed five large spontaneous speech corpora to the international database of the Child Language Data Exchange System, both of typically developing children and of children with language disorders. Charlotte Koster found that the advantage the control group had over an at-risk group at 17 months proved to be predictive for later language production at 23 and 29 months. At 23 months, more control children than risk children combined words into two-word utterances and, at 29 months, the control children produced longer utterances (morphemes and words) than the risk children.

The third area of research involves aphasiology and branches out towards language production in healthy adults. The research of Bastiaanse focused on the role of the verb in Dutch normal and impaired language processing as well as on normal and impaired auditory processing and phonological encoding in healthy and language-impaired populations. Rossi continued her research on Italian agrammatism with a specific focus on the clitics at the syntactic level. Jonkers coordinated a project on the adaptation of two diagnostic aphasia tests to Frisian. Van der Meulen (Leiden University) finished her PhD thesis on comprehension of wh-questions in French- and English-speaking Broca patients. This crosslinguistic comparison provides more insight in the way in which syntactic movement affects comprehension in Broca's aphasia. Den Ouden started ERP experiments on the processing of violations of verb position in Dutch sentences, in healthy speakers. De Goede conducted a cross-modal lexical priming experiment showing that during online spoken sentence processing a transitive verb in clause-final position can be anticipated on the basis of previous sentential information, containing a (non-prototypical) Subject NP and Object NP. In the embedded clause following the main clause, activation of the verb dissipated. In September, Colman started her PhD project, the main goal of which is to gain insight into the role of the basal ganglia in sequential processes of language, by charting the various language problems.
in Dutch-speaking Parkinson’s disease patients. Yarbay started a PhD project focusing on two aspects of grammatical impairments: word order and finiteness, in Turkish-Dutch monolingual and bilingual agrammatic aphasia. Van den Bergh worked as a research assistant on the adaptation of two Dutch diagnostic tests for aphasic speakers to the Frisian language.

**Scholarly Publications**

**Prof. Dr. Y. R. M. Bastiaanse.**


**Dr. P. Been.**


**Dr. G. Bol.**


**Dr. B. Hollebrandse.**


H. C. Hopp, M.A.


Dr. A. van Hout.


Dr. C. Koster.


Dr. D. B. den Ouden.


Dr. J. E. Rispens.
University of Groningen: Groningen. 184 pp.

E. Rossi, M.A.
Rossi, E., Bastiaanse, Y R M. 2004. An insight in small clauses and negative clauses in

Dr. L. A. Stowe.
lexical and sentence level information during reading. In: *Cognitive-Brain-Research.* 16:
connectives during reading. In: Forbus, K.D., Gentner, D., Regier, T. (eds.), *Proceedings
of the 26th annual meeting of the Cognitive Science Society.* Erlbaum: Mahwah, New
pp. 17-18.
investigation of the relationship between semantic and perceptual levels of representation.
pp. 1-8.
non language areas during sentence comprehension. In: *Brain and Language,* 89. pp. 290-
299.

Other Publications

Prof. Dr. Y. R. M. Bastiaanse.
Wester, F., Goede, D de, Bastiaanse, Y R M, Swinney, D., Shapiro, L. 2004. Verb activation
patterns in online sentence processing. In: *Brain and Language,* 91. pp. 120-121.

Dr. P. Been.
Been, P, Brink, D. van den, Leeuwen, T van, Dhar, M., Zwarte, F. 2004. Abstract and
powerpoint presentation on CD: Dyslexia: deficient movement detection in at risk infants.
(22 dia’s, 1 page abstract). University of Warwick, Inclusive Technology Ltd.
movement detection in infants at risk and controls + Early development of auditory
discrimination in infants at risk and controls. (35 dia’s, 2 page abstract). In: *CD, 5th BDA
International Conference.* IT, Inclusive Technology: Oldham.
Productive lexical acquisition in infants at risk for dyslexia and typically developing
infants. (19 dia’s, 1 page abstract). In: *6th BDA International Conference Proceedings.*
University of Warwick, Inclusive Technology Ltd.
development of auditory discrimination in infants at risk for dyslexia and controls. In: 6th

Prof. Dr. H. Behrens.

Drs. N. A. van den Bergh.

Dr. G. Bol.

Drs. D. de Goede.

Dr. R. Jonkers.

Dr. C. Koster.

Dr. D. B. den Ouden.

Dr. L. A. Stowe.

Drs. F. Wester.

Lectures

Prof. Dr. Y. R. M. Bastiaanse.
Bastiaanse, Y. R. M. Verb and Sentence Test (VAST). University of Limerick, Ireland. 29th June, 2004. [invited]

Dr. P. Been.

Prof. Dr. H. Behrens.
Behrens, H. A Cognitive Linguistics Perspective on Language Acquisition. English and German Department, University of Basel, Switzerland. October 26, 2004. [invited]
Behrens, H. Neue Evidenz für einen empiribasierten Spracherwerb. Colloquium Europäische Linguistik, University of Erlangen-Nürnberg, Germany, June 14, 2004. [invited]
Drs. N. A. van den Bergh.

Dr. G. Bol.
Bol, G. Taalontwikkelingsstoornissen. Gastcolleges, Ghent University, Belgium. March 8-9, 2004. [invited]

Drs. D. de Goede.

Dr. B. Hollebrandse.
Hollebrandse, B. The Acquisition of the Weak-Strong Distinction and the Dutch Quantifier Allemaal. University of Massachusetts, Amherst, U.S.A. 8th November, 2004. [invited]
Hollebrandse, B. On Quantifiers. Lecture, University of Massachusetts, Amherst, U.S.A. 1st November, 2004. [invited]
Hollebrandse, B. Topics and the Interpretation of Quantifiers in Dutch Child Language. Nijmegen Colloquium Series, Radboud University, Nijmegen. 26th May, 2004. [invited]
Hollebrandse, B. Topics and Quantifiers in Dutch Child Language. Amherst Child Language Workshop, University of Massachusetts, Amherst, U.S.A. 8th November, 2004. [invited]
Hollebrandse, B. and Hout, A. van. Verwerving van Sequence of Tense in het Italiaans. Retirement Colloquium for Prof. Dr. Co Vet, University of Groningen. 19th November, 2004. [invited]

Dr. A. van Hout.
Hollebrandse, B. and Hout, A. van. Verwerving van Sequence of Tense in het Italiaans. Retirement Colloquium for Prof. Dr. Co Vet, University of Groningen. 19th November, 2004. [invited]
Hout, A. van and A. Bos. Children’s Interpretation of Phrasal versus Compound –er Nominals in English. From Syntax to SLI, University of Massachusetts, U.S.A. 8th November, 2004. [invited]

Dr. R. Jonkers.
Dr. L. A. Stowe.

Other Research Activities

Prof. Dr. Y. R. M. Bastiaanse.
• Member of the Board of Stichting Afasie Nederland.
• Member of the Wetenschappelijke Commissie Stichting Afasie Nederland.
• Member of the Board of Governors of the Academy of Aphasia.
• Member of the International Research Group on the Mental Lexicon (Canadian Grant MCRIP).
• Member of the International Research Group Multilingual Multidisciplinary Studies on Brain and Language (MMSBL) (ESF network 115).
• Editor of Afasiologie.
• Member of the scientific council Neuropraxis.
• Member of the scientific council of the Tijdschrift voor Stem-, Spraak- en Taalpathologie.
• Book Review Editor for Aphasiology.
• Member of the Editorial Board of Brain and Language.
• Member of the Editorial Board of Journal of Multilingual Communication Disorders.
• Member of the Group of Editors of Handboek Stem-, Spraak-, Taalpathologie. Bohn Stafeluvan Loghum.
• Member of the Reading Committee for M. Kambanaros’s PhD Thesis, Faculty of Medicine, Flinders University, Adelaide, Australia. April, 2004.
• Member of the Reading Committee for J. Rispens, University of Groningen. 10th May, 2004.
• Member of the Reading Committee for S. Doesborgh’s PhD Thesis, the Faculty of Medicine, Erasmus University. 19th May, 2004.
• Promotor of I. van der Meulen, Faculty of Arts, University of Leiden. 11th November, 2004.

Dr. P. Been.
• Co-promotor of J. Rispens, University of Groningen. 10th June, 2004.

Prof. Dr. H. Behrens.
• Member of the Committee for the Best Thesis BCN.
• Member of the Committee for Rosalyn Franklin 2.
• Member of the Board of Consulting Editors of Linguistics, de Gruyter, Berlin.

Dr. G. Bol.
• Member of the advisory group of the research project Ontwikkeling, effectmeting en implementatie van het gebruik van gebaren bij kinderen met ernstige spraak- en/of taalmoeilijkheden, carried out at the Tine Marcusschool in Groningen.
• Article Review Editor for Language Acquisition.

Dr. A. van Hout.
• Member of the Editorial Board of Annual Review of Language Acquisition, John Benjamins, Amsterdam.
• Member of the Editorial Board of *Journal of Comparative Germanic Linguistics*.
• Member of the Editorial Board of *Language Acquisition: a Journal of Developmental Linguistics*.
• Member of the reading committee of A. Mynarczyk’s PhD thesis *Aspectual Pairing*, Utrecht Institute of Linguistics OTS, Utrecht University, 20th March, 2004.

Dr. L. A. Stowe.

• Chair on the Committee for the BCN Cross-Disciplinary Symposia 2004.
• Member of the Committee for NWO Cognitive Science Summer School 2004, organised by BCN / NICI / Helmholtz / EPOS.
• Opponent at D. van den Brink’s PhD defence, KUN, F. C. Donders Center, Nijmegen. 15th January, 2004.
Part Three
## 5 Research Staff

### Phonetics and Phonology

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### Syntax and Semantics

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Toby, drs. H. BCN PhD student temporary 08-01-98 08-01-04 Low German influence on Kashubian dialects
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Computational Linguistics

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Educational Linguistics

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