

Volume 41 Number 1 April 2011



ISSN: 0025-1003

Journal of the International Phonetic Association



CAMBRIDGE
UNIVERSITY PRESS



Vol. 41 No. 1 April 2011

Journal of the
International Phonetic Association

CAMBRIDGE

Journal of the International Phonetic Association

Editors

JOHN H. ESLING

Department of Linguistics, University of Victoria, Victoria, BC V8W 3P4, Canada
esling@uvic.ca

ADRIAN P. SIMPSON

Friedrich-Schiller-Universität Jena, Institut für Germanistische Sprachwissenschaft,
07737 Jena, Germany
adrian.simpson@uni-jena.de

Reviews Editor

LINDA SHOCKEY

Department of Applied Linguistics, School of Languages and European Studies, University of Reading,
P.O. Box 218, Whiteknights, Reading, RG6 6AA, UK
e-mail: l.shockey@reading.ac.uk

Editorial Board

DANI BYRD, University of Southern California

CÉCILE FOUGERON, CNRS/Université Paris 3

HELEN FRASER, University of New England

MATTHEW GORDON, University of California,
Santa Barbara

MÁRIA GÓSY, Hungarian Academy of Sciences

NINA GRØNNUM, University of Copenhagen

JOHN HAJEK, University of Melbourne

BRYAN JENNER, Universität Wien

JOHN KINGSTON, University of Massachusetts

RACHAEL-ANNE KNIGHT, City University London

JOHN LOCAL, University of York

FRANCIS NOLAN, University of Cambridge

JOHN J. OHALA, University of California, Berkeley

DANIEL RECASENS, Universitat Autònoma de Barcelona

PETER ROACH, University of Reading

JUSTUS C. ROUX, University of Stellenbosch

ERIC ZEE, City University of Hong Kong

Journal of the International Phonetic Association is published by Cambridge University Press for the International Phonetic Association. Membership of the Association (see end pages) includes the journal.

Subscriptions

Journal of the International Phonetic Association (ISSN 0025-1003) is published three times a year in April, August and December. Three parts form a volume.

The 2011 subscription price (excluding VAT) of a volume, which includes print and electronic access, is £156.00 (US \$248.00 in USA, Canada and Mexico); £48.00 (US \$80.00) for individuals, which includes print only, ordering direct from the publishers and certifying that the journal is for their personal use. Single parts are £52.00 net (US \$80.00 in USA, Canada and Mexico) plus postage. EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered members should provide their VAT registration number. Japanese prices for institutions (including ASP delivery) are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan. Members of the International Phonetic Association may purchase extra copies of the journal and back numbers at a special rate via the Association.

Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or direct to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU; or in the USA, Canada and Mexico: Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nyack, New York 10994-2133. Periodicals postage is paid at New York, NY and at additional mailing offices.

Copying

This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with the C.C.C. may, therefore, copy material (beyond the limits permitted by sections 107 and 108 of U.S. Copyright law) subject to payment to the C.C.C. of the per copy fee of \$12.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0025-1003/2011. ISI Tear Sheet Service, 3501 Market Street, Philadelphia, PA 19104, USA, is authorized to supply single copies of separate articles for private use only. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. For all other use, permission should be sought from Cambridge or from the American Branch of Cambridge University Press.

INTERNET ACCESS. This journal is included in the Cambridge Journals Online service which can be found at <http://journals.cambridge.org>. For further information on other Press titles access <http://www.cambridge.org>.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

© International Phonetic Association

Printed in the United Kingdom at the University Press, Cambridge.

Contents

ARTICLES

- Robert Mayr & Hannah Davies**
A cross-dialectal acoustic study of the monophthongs and diphthongs of Welsh 1
- Ben Rutter**
Acoustic analysis of a sound change in progress: The consonant cluster /stɪ/ in English 27
- Ryan K. Shosted & Sharon Rose**
Affricating ejective fricatives: The case of Tigrinya 41
- Dan Frost**
Stress and cues to relative prominence in English and French: A perceptual study 67

REVIEWS

- Rose-Juliet Anyanwu:** *Fundamentals of phonetics, phonology and tonology*
(David Deterding) 85
- Joan Baart:** *A field manual of acoustic phonetic*
(Arkadiusz Rojczyk) 86

ILLUSTRATIONS OF THE IPA

- José Ignacio Hualde & Mahir Şaul:** Istanbul Judeo-Spanish 89
- Bert Remijsen, Otto G. Ayoker & Timothy Mills:** Shilluk 111

ILLUSTRATIONS OF THE IPA PUBLISHED IN *JIPA* 1998–2010 127

IPA NEWS

- Elections 2011 129
- Gösta Bruce Memorial Fund 130

IN MEMORIAM

- In Memoriam: Edda Farnetani (1936–2010)
(Daniel Recasens) 131
- In Memoriam: Ilse Lehiste (1922–2010)
(Mary E. Beckman & Linda Shockey) 132

CORRIGENDUM 135

International Phonetic Association

Council 2007–2011

Executive

DANIEL RECASENS, Barcelona (*Vice-President*)
KATERINA NICOLAIDIS, Thessaloniki (*Secretary*)
LINDA SHOCKEY, Reading (*Treasurer*)
JOHN H. ESLING, Victoria (*Editor*)

Full Council Member List

WILLIAM J. BARRY, Saarbrücken, Germany	wbarry@coli.uni-sb.de
MARY E. BECKMAN, Columbus, USA	mbeckman@ling.ohio-state.edu
ANDREW BUTCHER, Adelaide, Australia	butc0016@flinders.edu.au
ANNE CUTLER, Nijmegen, Netherlands	anne@mpi.nl
DIDIER DEMOLIN, São Paulo, Brazil	ddemoli@ulb.ac.be
GERARD DOCHERTY, Newcastle-upon-Tyne, UK	g.j.docherty@ncl.ac.uk
JOHN H. ESLING, Victoria, Canada	esling@uvic.ca
JANET FLETCHER, Melbourne, Australia	janetf@unimelb.edu.au
CÉCILE FOUGERON, Paris, France	cecile.fougeron@univ-paris3.fr
NINA GRØNNUM, Copenhagen, Denmark	ninag@hum.ku.dk
WILLIAM J. HARDCASTLE, Edinburgh, UK	whardcastle@qmuc.ac.uk
SHIZUO HIKI, Tokorozawa, Japan	hiki@waseda.jp
PATRICIA A. KEATING, Los Angeles, USA	keating@humnet.ucla.edu
KLAUS J. KOHLER, Kiel, Germany	kjk@ipds.uni-kiel.de
ASHER LAUFER, Jerusalem, Israel	laufer@h2.hum.huji.ac.il
JOHN D. M. H. LAVER, Edinburgh, UK	jlaver@qmuc.ac.uk
MICHAEL K. C. MACMAHON, Glasgow, UK	m.macmahon@gla.ac.uk
IAN MADDIESON, Berkeley, USA	ianm@berkeley.edu
AILBHE NÍ CHASAIDE, Dublin, Ireland	anichsid@tcd.ie
KATERINA NICOLAIDIS, Thessaloniki, Greece	knicol@enl.auth.gr
FRANCIS J. NOLAN, Cambridge, UK	fjn1@cam.ac.uk
JOHN J. OHALA, Berkeley, USA	ohala@berkeley.edu
DANIEL RECASENS, Barcelona, Spain	daniel.recasens@uab.es
LINDA SHOCKEY, Reading, UK	l.shockey@reading.ac.uk
JACQUELINE VAISSIÈRE, Paris, France	jacqueline.vaissiere@univ-paris3.fr
MARIO VAYRA, Bologna, Italy	mario.vayra@unibo.it
JOHN C. WELLS, London, UK	j.wells@ucl.ac.uk
ERIC ZEE, Hong Kong, China	ctlzee@cityu.edu.hk

Journal of the International Phonetic Association

Editors

JOHN H. ESLING Department of Linguistics, University of Victoria,
Victoria, BC V8W 3P4, Canada
esling@uvic.ca

ADRIAN P. SIMPSON Friedrich-Schiller-Universität Jena,
Institut für Germanistische Sprachwissenschaft,
07737 Jena, Germany
adrian.simpson@uni-jena.de

Submissions for consideration for publication in the *Journal* may be sent to the first Editor. Please pay attention to ‘Notes for Contributors’ on the inside back cover.

Reviews Editor

LINDA SHOCKEY Department of Applied Linguistics, School of Languages and
European Studies, University of Reading, P.O. Box 218,
Whiteknights, Reading, RG6 6AA, UK
l.shockey@reading.ac.uk

Editorial Board

DANI BYRD Department of Linguistics, University of Southern California,
3601 Watt Way, GFS 301, Los Angeles, CA 90089-1693, USA
dbyrd@usc.edu

CÉCILE FOUGERON Laboratoire de Phonétique et Phonologie,
CNRS – Université de Paris 3,
19 rue des Bernardins, 75005 Paris, France
cecile.fougeron@univ-paris3.fr

HELEN FRASER Department of Linguistics, University of New England,
Armidale, NSW 2351, Australia
hfraser@une.edu.au

MATTHEW GORDON Department of Linguistics, University of California,
Santa Barbara, CA 93106, USA
mgordon@linguistics.ucsb.edu

MÁRIA GÓSY Department of Phonetics, Research Institute for Linguistics,
Hungarian Academy of Sciences, P.O. Box 701/518,
1399 Budapest, Hungary
gosy@nytud.hu

NINA GRØNNUM Department of Nordic Studies and Linguistics,
University of Copenhagen, Njalsgade 120,
DK-2300 Copenhagen S, Denmark
ninag@hum.ku.dk

- JOHN HAJEK Department of French and Italian Studies,
University of Melbourne,
Parkville, Melbourne, VIC 3052, Australia
j.hajek@unimelb.edu.au
- BRYAN JENNER Institut für Anglistik, Universität Wien,
Universitätsstraße 7, 1010 Vienna, Austria
bryan.jenner@univie.ac.at
- JOHN KINGSTON Department of Linguistics, University of Massachusetts,
Amherst, MA 01003, USA
jkingston@linguist.umass.edu
- RACHAEL-ANNE KNIGHT Department of Language and Communication Science,
City University, Northampton Square,
London, EC1V 0HB, UK
r.knight-1@city.ac.uk
- JOHN LOCAL Department of Language and Linguistic Science,
University of York, Heslington, York, YO1 5DD, UK
lang4@york.ac.uk
- FRANCIS NOLAN Department of Linguistics, University of Cambridge,
Sidgwick Avenue, Cambridge, CB3 9DA, UK
fjn1@cam.ac.uk
- JOHN J. OHALA Phonology Lab, Department of Linguistics,
University of California, Berkeley,
Berkeley, CA 94720, USA
ohala@berkeley.edu
- DANIEL RECASENS Departament de Filologia Catalana,
Universitat Autònoma de Barcelona,
08193 Bellaterra, Barcelona, Spain
daniel.recasens@uab.es
- PETER ROACH Department of Applied Linguistics,
School of Languages and European Studies,
University of Reading,
Whiteknights, Reading, RG6 6AA, UK
p.j.roach@reading.ac.uk
- JUSTUS C. ROUX Research Unit for Experimental Phonetics,
University of Stellenbosch, Victoria Street,
Stellenbosch 7600, South Africa
jcr@sun.ac.za
- ERIC ZEE Phonetics Laboratory, Department of CTL,
City University of Hong Kong,
83 Tat Chee Avenue, Kowloon, Hong Kong
ctlzee@cityu.edu.hk