

## Curriculum Vitae

### **Bonny Sands**

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Northern Arizona University  
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*Citizenship:* USA

#### ***Education***

1988-1995 Department of Linguistics, University of California, Los Angeles: M.A. 1991, Ph.D. 1995

1984-1988 Yale University: B.A. in Linguistics, *Magna cum Laude*, Distinction in the Major, 1988

#### ***Grants & Fellowships***

2007-present PI on National Science Foundation Research Grant BCS-0726200 *Collaborative Research: Phonetic and Phonological Structures of Post-Velar Constrictions in Clicks and Laterals*. (Co-PI Amanda Miller, Cornell University, BCS-0726198)

2004-2007 PI on National Science Foundation Research Grant BCS-0236795 *Collaborative Research: Descriptive and Theoretical Studies of N|u* (Co-PIs Amanda Miller-Ockhuizen & Chris Collins, Cornell University, BCS-0236735)

1997 National Science Foundation Research Grant SBR-9514214 *Research on Hadza Demography and Language*. (UCLA Anthropologist Nicholas Blurton-Jones, PI)

1992-1993 Title VI Fellowship for study of IsiZulu

1990-1991 Predoctoral Fellow, NIH Training Program

***Grants & Fellowships, Cont.***

1988-1992	Humanities Predoctoral Fellowship, UCLA
1988-1989	Title VI Fellowship for study of KiSwahili
1988	Title VI Fellowship for KiSwahili study in Kenya

***Positions Held***

1999-present	Adjunct Assistant Professor, Northern Arizona University, Department of English
2004, 2000	Visiting Assistant Professor, Northern Arizona University, Department of Anthropology
1998	Visiting Assistant Professor, Northern Arizona University
1997	Researcher of Hadza linguistic structures (NSF Grant, N. Blurton-Jones, UCLA, PI)
1996/1997	Visiting Assistant Professor, University of Michigan
1992-1993	Rater: SPEAK Test of Spoken English Proficiency, UCLA
1992	Researcher of linguistic structures in Tanzania: Hadza (Khoisan), Datooga (Nilotic), Sandawe (Khoisan). (Funded by the Humanities Predoctoral Fellowship, UCLA)
1991	Linguistic Fieldwork Assistant & Translator in Kenya & Tanzania: Ilwana (Bantu) and Dahalo (Cushitic), Sandawe and Hadza. (NSF Grant, Ladefoged and Maddieson, PI's)
1989-1995	Teaching Assistant, University of California, Los Angeles (various quarters)
1988-1993	Graduate Research Assistant, Phonetics Laboratory University of California, Los Angeles (various quarters)

***Teaching Experience***

as professor:

- Phonetics (Undergraduate & Graduate level introduction)
- Language & History in Africa (Graduate seminar)
- Types of Languages (Upper division, writing intensive introduction to typology)
- Languages of the World (Freshman seminar on typology)
- Introduction to Linguistics (Undergraduate & Graduate level)
- English Grammar & Usage (Undergraduate level)
- Seminar on Language: Endangered Languages (Upper division seminar)
- Culture & Communication (Undergraduate introduction to Linguistic Anthropology)
- Language & Society (Advanced undergraduate class in Linguistic Anthropology)

***Teaching Experience***

as teaching assistant:

- Phonetics
- Phonology
- Structure of English Words
- Introduction to Linguistics

***Teaching interests include:***

- Historical Linguistics
- Language Variation & Change
- Language & History in Africa
- Field Methods
  
- Phonetic Theory
- Phonetic Fieldwork Techniques
- Instrumental Phonetics (Acoustics & Articulatory Phonetics)
  
- Kiswahili (Beginning to Advanced)
- African Language Structures
- Comparative Bantu
- Khoisan Linguistics
  
- Language Typology & Universals
- Phonological Analysis
- Morphological Analysis
- History of English
- Evolution of Language
- etc.

***Publications***

- IN PRESS Sands, B. Northern Khoesan Reconstruction and Subgrouping. In: *Khoisan languages and linguistics: the Riezlern symposium 2003*. ed. Matthias Brenzinger & Christa König (eds.), (Quellen zur Khoisan-Forschung 17). Köln: Rüdiger Köppe.
- IN PRESS Sands, B. Interpreting Hadza Data. In: *Festschrift for A. Traill*. Rainer Vossen & Klaus Keuthman (eds.), Köln: Rüdiger Köppe Verlag.
- IN PRESS Sands, B. Hadza lexicon. In: *The Khoisan Languages*. Rainer Vossen (ed.), London: Routledge.
- IN PRESS Sands, B. Hadza phonology. In: *The Khoisan Languages*. Rainer Vossen (ed.), London: Routledge.
- IN PRESS Sands, B. Hadza morphology. In: *The Khoisan Languages*. Rainer Vossen (ed.), London: Routledge.
- IN PRESS Sands, B. Hadza sociolinguistics. *The Khoisan Languages*. Rainer Vossen (ed.), London: Routledge.
- IN PRESS Sands, B. Hadza syntax. In: *The Khoisan Languages*. Rainer Vossen (ed.), London: Routledge.
- IN PRESS Sands, B. Hadza tonology. In: *The Khoisan Languages*. Rainer Vossen (ed.), London: Routledge.
- IN PRESS Miller, Amanda, Abigail Scott, Bonny Sands & Sheena Shah. Rarefaction gestures and coarticulation in Mangetti Dune !Xung clicks. In: *Proceedings of the 10th Annual Conference of the International Speech Communication Association (Interspeech 2009)*. Brighton, UK: Causal Productions. pp. 2279-2282.
- IN PRESS Sands, B. & Amanda Miller-Ockhuizen. Khoisan phonetics. In: *The Khoisan Languages*. Rainer Vossen (ed.), London: Routledge.

***Publications, cont.***

- 2009 Sands, Bonny & Tom Güldemann. What click languages can and can't tell us about language origins. In: *The Cradle of Language*. Rudolf Botha & Chris Knight (eds.), (Studies in the Evolution of Language, 12). Oxford: Oxford University Press. pp. 204-218.
- 2009 Sands, B. Teaching and learning guide for “Africa's linguistic diversity”. *Language and Linguistics Compass*, 3(5): 1357-1365. DOI: 10.1111/j.1749-818X.2009.00161.x
- 2009 Sands, B. Africa's linguistic diversity. *Language and Linguistics Compass*, 3(2): 559-580. DOI: 10.1111/j.1749-818X.2008.00124.x
- 2009 Miller, Amanda, Johanna Brugman, Bonny Sands, Levi Namaseb, Mats Exter & Chris Collins. Differences in airstream and posterior place of articulation in N|uu clicks. *Journal of the International Phonetic Association*, 39(2): 129-161.
- 2007 Miller, Amanda L., Johanna Brugman, Bonny Sands, Levi Namaseb, Mats Exter & Chris Collins. The sounds of N|uu: Place and airstream contrasts. (ed. Hye-Sook Lee & Pittayawat Pittayaporn. Ithaca, NY: CLC Publications). *Working Papers of the Cornell Phonetics Laboratory*, 16: 101-160.
- 2007 Sands, B. The contribution of language documentation to historical phonology. In: *Proceedings of Conference on Language Documentation and Linguistic Theory (75 years of Linguistics at SOAS, 5 years of the Endangered Languages Project, 7-8 December 2007, School of Oriental and African Studies, University of London)*. Peter K. Austin, Oliver Bond & David Nathan (eds.), London: Hans Rausing Endangered Languages Project & Department of Linguistics, School of Oriental and African Studies. pp. 209-219. Available online: <http://www.hrhelp.org/publications/ldlt/papers/ldltproceedings.html>
- 2007 Traill, Anthony (revised by Bonny Sands). Languages: Khoesan and Click. In: *New Encyclopedia of Africa*, Vol. 3. John Middleton & Joseph C. Miller (eds.), London: Charles Scribner's Sons. pp. 228-230.

***Publications, cont.***

- 2007 Sands, Bonny, Johanna Brugman, Mats Exter, Levi Namaseb & Amanda Miller. Articulatory Characteristics of Anterior Click Closures in N|uu. In: *Proceedings of the International Congress of Phonetic Sciences XVI, Saarbrücken, Germany, August 2007*. pp. 401-404. Available online: <http://www.icphs2007.de/conference/Papers/1540/>
- 2007 Miller, Amanda, Johanna Brugman & Bonny Sands. Acoustic and Auditory analysis of N|uu lingual and linguo-pulmonic stop bursts. In: *Proceedings of the International Congress of Phonetic Sciences XVI, Saarbrücken, Germany, August 2007*. pp. 769-772. Available online: <http://www.icphs2007.de/conference/Papers/1664/>
- 2007 Sands, B., A.L. Miller & J. Brugman. The Lexicon in Language Attrition: The Case of N|uu. In: *Selected Proceedings of the 37th Annual Conference on African Linguistics*. Doris L. Payne & Jaime Peña (eds.), Somerville, MA: Cascadilla Proceedings Project. pp. 55-65. Available online: <http://www.lingref.com/cpp/acal/37/index.html>
- 2005 Namaseb, Levi, Bonny Sands, Amanda Miller & Johanna Brugman. *Let's Learn to Write N|u! / Laat ons N|u leer skryf! / |iisi ||xa||xa N|u i kaqleke*. Electronic primer. Upington, South Africa.
- 2002 Maho, J. & B. Sands. *The Languages of Tanzania: A Bibliography*. (Orientalia et africana gothoburgensia vol 17). Göteborg: Göteborg University.
- 2001 Sands, B. Borrowing and diffusion as a source of lexical similarities in Khoesan. In: *Khoisan: Syntax, Phonetics, Phonology, and Contact*. A. Bell & P. Washburn (eds.), Cornell Working Papers in Linguistics, 18: 200-224.
- 2000 Miller-Ockhuizen, Amanda and Bonny E. Sands. Contrastive Lateral Clicks and Variation in Click Types. In: *Proceedings of ICSLP 2000*, Vol. II. Beijing, China, 499-500.
- 1999 Maddieson, I., P. Ladefoged & B. Sands. Clicks in East African Languages. In: *African Mosaic: Festschrift for J.D. Louw*. R. Finlayson (ed.). University of South Africa, Pretoria. 59-91.

***Publications, cont.***

- 1999 Miller-Ockhuizen, A. & Sands, B. !Kung as a Linguistic Construct. *Language and Communication*, 19(4): 401-413. (Social, Cultural, and Political Perspectives on Languages in Conflict. Brian D. Joseph, ed.).
- 1998 Sands, B. *Eastern and Southern African Khoisan: Evaluating Claims of Distant Linguistic Relationships*. (Quellen zur Khoisan-Forschung/Research in Khoisan Studies 14). Köln: Rüdiger Köppe.
- 1998 Sands, B. The Linguistic Relationship between Hadza and Khoisan. In: *Language, Identity, and Conceptualization among the Khoisan*. (Quellen zur Khoisan-Forschung 15). Mathias Schladt (ed.). Köln: Rüdiger Köppe. 265-283.
- 1998 Bala, G.G. *Hadza Stories & Songs*. B. Sands & W. Grundy, (eds.). B. Sands (translator). Los Angeles: Friends of the Hadzabe.
- 1998 Sands, B. Comparison and classification of Khoisan languages. In: *Language History and Linguistic Description*. I. Maddieson & T. Hinnebusch (eds.), Trenton: Africa World Press. pp. 75-85.
- 1998 Sands, B. REVIEW OF: Left with the sounds. Review of the CD "Extinct South African Khoisan Languages". *Glott International*, 3(8).
- 1996 Sands, B. & I. Maddieson, P. Ladefoged. The Phonetic Structures of Hadza. *Studies in African Linguistics*, 25(2): 171-204. (Also in *UCLA Working Papers in Phonetics*. 84: 67-87. 1993).
- 1995 Sands, B. *Evaluating Claims of Distant Linguistic Relationships: The Case of Khoisan*. University of California. Los Angeles Dissertations in Linguistics. 14.
- 1995 Wright, R., I. Maddieson, P. Ladefoged & B. Sands. A phonetic study of Sandawe clicks. *UCLA Working Papers in Phonetics*, 91: 1-24.
- 1993 Maddieson, I. & S. Spajic, B. Sands, P. Ladefoged. The Phonetic Structures of Dahalo. *Afrikanistische Arbeitspapiere*, 36: 5-53. (Also in *UCLA Working Papers in Phonetics*. 84: 25-65.)
- 1991 Sands, B. An acoustic study of Xhosa clicks. In: *Actes du XIIème Congrès International des Sciences Phonetiques*. Université de Provence, Aix-en-Provence. 4: 130-133

***Publications, cont.***

- 1991 Sands, B. Evidence for click features: Acoustic characteristics of Xhosa clicks". *UCLA Working Papers in Phonetics*, 80: 6-37.
- 1990 Sands, B. Some of the acoustic characteristics of Xhosa clicks. *UCLA Working Papers in Phonetics*, 74: 96-103.

***Presentations***

- 2009 Shah, Sheena, Bonny Sands & Amanda Miller. Some phonetic characteristics of Namibian !Xun. Paper presented at the 39th Colloquium on African Languages and Linguistics (CALL 39), 24-26 August, 2009, Leiden.
- 2009 Sands, Bonny & Koen Bostoen. Fwe (Bantu, K402) clicks in crosslinguistic perspective. Paper presented at the 39th Colloquium on African Languages and Linguistics (CALL 39), Leiden, Aug. 24-26, 2009.
- 2009 Sands, Bonny, Sheena Shah & Amanda Miller. Phonetic variation across four closely related Ju lects. Paper presented at the 6th World Congress of African Linguistics (WOCAL 6), Cologne, Germany, 17-21 August, 2009.
- 2009 Bostoen, Koen & Bonny Sands. Clicks in south-western Bantu languages: contact-induced vs. internally-motivated change. Paper presented at the 6th World Congress of African Linguistics (WOCAL 6), Cologne, Germany, 17-21 August, 2009.
- 2009 Miller, Amanda, Abigail Scott, Bonny Sands & Sheena Shah. Rarefaction gestures and coarticulation in Mangetti Dune !Xung clicks. Poster presented at Interspeech 2009, 6-10 September, 2009, Brighton, UK.
- 2009 Miller, Amanda, Sheena Shah & Bonny Sands. Five coronal click types in Grootfontein !Xung. Paper presented at the 83rd Annual Meeting of the Linguistic Society of America, January 8-11, 2009, San Francisco.
- 2009 Bostoen, Koen & Bonny Sands. Bantu migration and language contact: On the origin of click sounds in Bantu languages of western Zambia. Paper presented at the XIXth International Conference on Historical Linguistics, 10-14 August 2009.

*Presentations, cont.*

- 2008 Sands, B. Anterior click constrictions in Bantu and KhoeSan. Paper presented at the UCT Linguistics Seminar, University of Cape Town, 2 July, 2008.
- 2007 Sands, B. The contribution of language documentation to historical phonology. Paper presented at the Conference on Language Documentation and Linguistic Theory (75 years of Linguistics at SOAS, 5 years of the Endangered Languages Project, 7-8 December 2007, School of Oriental and African Studies, University of London).
- 2007 Sands, B. Criteria for Reconstructed Vocabulary Databases. Invited presentation at the workshop "Inferring Language History and Prehistory", Santa Fe Institute, July 12-13 2007. Santa Fe, New Mexico.
- 2007 Sands, Bonny & Levi Namaseb. Documenting click loss and change: focus on the palatal click. Paper presented at the 38th Annual Conference on African Linguistics "Linguistic Theory and Language Documentation", March 22-25, 2007, Gainesville Florida.
- 2006 Sands, B. Weighing the evidence for clicks as early consonants. Invited paper presented at the Cradle of Language Conference, Stellenbosch, South Africa, 7-10 November, 2006.
- 2006 Miller, Amanda, Johanna Brugman, Jonathan Howell & Bonny Sands. Tongue dorsum location and tongue root retraction in alveolar and palatal clicks in the endangered language N|uu. Paper presented at the Meeting of the Acoustical Society of America, December 2, 2006. [Abstract: Journal of the Acoustical Society of America, 120, No. 5, Pt. 2, November 2006, p. 3377.] Available online: <http://asa.aip.org/web2/asa/abstracts/search.nov06/asa1590.html>
- 2006 Sands, B. On Doing Historical Linguistic, Field Phonetics. Paper presented at "Endangered Languages, Endangered Sounds: Laboratory, Field, and Phonetic Universals In Honor of Ian Maddieson", May 7, 2006, University of California, Berkeley.

*Presentations, cont.*

- 2006 Sands, Bonny, Amanda Miller & Johanna Brugman. N|uu Lexicon: A Comparative Analysis. Paper presented at the 37th Annual Conference on African Linguistics, April 6-9, 2006, Eugene, Oregon.
- 2006 Miller, A., J. Brugman & B. Sands. N|uu Clicks. Paper presented at the 37th Annual Conference on African Linguistics, April 6-9, 2006, Eugene, Oregon.
- 2006 Sands, B. Possible origins of clicks. Paper presented at the conference "Genesis and Development": 2nd International Symposium on Khoisan Languages and Linguistics. 8-12 January, 2006, Riezlern, Austria.
- 2005 Sands, B. & A. Miller. The Click Sounds in the Khoesan/Basarwa Languages: How Many Types? Some New Insights. Seminar Presentation for the Department of African Languages and Literature, University of Botswana. Gaborone.
- 2005 Brugman, Johanna, Amanda Miller-Ockhuizen & Bonny Sands. The phonetics and phonology of pharyngeal and non-pharyngeal clicks in N|u. Paper presented at the 79th Meeting of the Linguistic Society of America, Oakland, CA, 6-9 January 2005.
- 2004 Sands, B. Are Clicks the Oldest Sounds? A Historical Linguistic Perspective on Language Evolution. Poster and mini-lecture presented at the 2004 Beckman Frontiers of Science Symposium, Irvine, California, November 4-6, 2004.
- 2003 Sands, B. Northern Khoesan Reconstruction and Subgrouping. Paper presented at the International Symposium on Khoisan Languages and Linguistics, 4-8 January 2003, Riezlern/Kleinwalsertal.
- 2000 Miller-Ockhuizen, A. & B. Sands. Phonetic and phonological variation within Northern Khoesan languages: Synchronic and diachronic analyses. Paper presented at Cornell University, October 3, 2000.
- 2000 Sands, B. & A. Miller-Ockhuizen. Comparative evidence for new click types in Northern Khoesan. Paper presented at the Annual Meeting of the Linguistic Association of America. January 6-9, 2000, Chicago.

*Presentations, cont.*

- 1999 Miller-Ockhuizen, A. & B. Sands. Changing Click Types: Evidence from Northern Khoisan. Paper presented at the 30th Annual Conference on African Linguistics. Urbana-Champaign, Illinois. July 3, 1999.
- 1999 Miller-Ockhuizen, A. & Sands, B. Northern Khoisan Varieties: Theoretical Linguistic Contributions and Impositions. Paper presented at the workshop "Language Maintenance and Death: Reports from the Field and Strategies for the New Millenium" at the Linguistic Institute, University of Illinois Urbana-Champaign, July 18, 1999.
- 1999 Sands, B. Linguistics in the Bush. Colloquium presentation. Department of Anthropological Sciences, Stanford University, March 5, 1999.
- 1998 Miller-Ockhuizen, A. & Sands, B. !Kung as a Linguistic Construct. Paper presented at the Conference "When Languages Collide: Sociocultural and Geopolitical Implications of Language Conflict and Language Coexistence". November 13-15, 1998. The Ohio State University.
- 1998 Sands, B. How to Describe an Unknown Language. Paper presented at the Symposium: "Crossing Disciplines: Discourse, Literature and Teaching Communities", March 27th, 1998. Northern Arizona University, Flagstaff.
- 1997 Sands, B. Hadza Linguistic Structures. Paper presented to the Department of African Languages and Literature, University of Botswana. Gaborone.
- 1997 Sands, B. The Linguistic Relationship between Hadza and Khoisan. Invited talk at the international symposium: "Hunter-Gatherers in Transition: Language, Identity, and Conceptualization among the Khoisan". St. Augustin, Germany. January 5-8, 1997.
- 1996 Sands, B. Rethinking the History of Khoisan Click Languages. University of Michigan, Program in Linguistics Colloquium Series.
- 1996 Sands, B. Irregular Click Correspondence in !Xung and Ju'hoan? University of Michigan, Program in Linguistics, Phonetics/Phonology Discussion Group.
- 1995 Sands, B. Aspects of the History of the Khoisan Languages. 38th Annual Meeting of the African Studies Association. Orlando, Florida.

*Presentations, cont.*

- 1995 Sands, B. Comparison and Classification of Khoisan Languages. 26th Annual Conference on African Linguistics. University of California, Los Angeles.
- 1994 Sands, B. The Factor of Chance in Comparative Linguistics: Is Khoisan a Valid Linguistic Genetic Grouping? University of Arizona Colloquium Presentation.
- 1992 Maddieson, I. & B. Sands, P. Ladefoged. East African Click Languages. Paper presented at the 23rd Annual Conference on African Linguistics. East Lansing, Michigan.
- 1991 Sands, B. Genetic affiliations of Sandawe and Hadza. Paper presented at the 22nd Annual Conference on African Linguistics. Nairobi, Kenya.
- 1991 Sands, B. An acoustic study of Xhosa clicks. Paper presented at XIIème Congrès International des Sciences Phonetiques. Aix-en-Provence, France.
- 1990 Sands, B. Effect of vowel on preceding click in Xhosa. Paper presented at the 120th Meeting of the Acoustical Society of America. San Diego, California.
- 1990 Sands, B. Some of the acoustic characteristics of Xhosa clicks. Paper presented at the 21st Annual Conference on African Linguistics. Athens, Georgia.
- 1989 Sands, B. Some of the acoustic characteristics of Xhosa clicks. Paper presented at the 118th Meeting of the Acoustical Society of America. St. Louis, Missouri.

***Reviewing Duties for Journals, Grant Agencies, Conferences***

1996-2007	National Science Foundation
2009-2010	European Science Foundation
2004	American Anthropologist
2004	PNAS, Proceedings of the National Academy of Sciences
2004	Diachronica
1997	Journal of Phonetics

***Academic/Professional Organizations***

Since:

1989	International Phonetic Association
1989	Linguistic Society of America

***Interviews, Reviews & Press***

- 2008 "Click Languages", Interview with Bonny Sands. Inside NAU Show #308, December 15, 2008.  
<http://extended.nau.edu/TVS/insideNAU/PreviousVideos.aspx>,  
[http://www.youtube.com/watch?v=oF\\_hAbO3LLk](http://www.youtube.com/watch?v=oF_hAbO3LLk)
- 2005 Anon. (2005). 'Click' and save: Professor strives to preserve language. Inside NAU, 2(23), June 8, 2005.  
[http://www4.nau.edu/insidenau/bumps/6\\_8\\_05/click.htm](http://www4.nau.edu/insidenau/bumps/6_8_05/click.htm)
- 2004 Newspaper Article by Monica McClellan "A Click away from Extinction". Arizona Daily Sun, Thursday, July 8, 2004.
- 2003 Mietzner, Angelika. Review: Jouni Filip Maho & Bonny Sands: The languages of Tanzania: A bibliography. (*Afrikanistische Arbeitspapiere*, 73) / *Annual Publications in African Linguistics*, 1: 138-140.
- 1999 Radio Interview, "Extinct Tongues: South African Languages". National Public Radio, "All Things Considered -- Lost & Found Sounds". April 2, 1999. Rebroadcast on "Weekly Edition", April 3, 1999.  
(<http://www.npr.org/programs/Infsound/onair/990402.onair.html>)

***Research Interests***

- Historical and comparative linguistics (particularly of Khoisan, Nilo-Saharan, Niger-Congo and Afroasiatic languages)
- Documentation of endangered & dying languages
- Phonetics & phonology (with emphasis on synchronic and diachronic variation of typologically marked sounds: e.g. clicks, uvulars, ejectives, lateral obstruents)
- Phonetic, phonological, lexical and grammatical structures of African languages
- Lexicon development, language planning & linguistic rights in Africa
- Evolution of language
- Language contact & change in Africa
- Linguistic prehistory of Africa's foraging populations and language isolates