

## K.N. BARNES - CURRICULUM VITAE

**FULL NAME:** Keith Neville Barnes  
**DATE OF BIRTH:** 29 March 1972  
**PLACE OF BIRTH:** Johannesburg, South Africa  
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### EDUCATION

#### DOCTOR OF PHILOSOPHY

University of Cape Town / Cape Town 2009 • Dissertation: Phylogenetics and evolution of Larks, assessing the biogeography and evolution of an arid-corridor in Africa.

#### MASTER OF SCIENCE

University of Cape Town / Cape Town 1994 • Conservation Biology MSc • Magna cum laude graduate • HE Yoosub Award for best student • Dissertation: An investigation into the effects of Hake longline fisheries on the bycatch of seabirds in South Africa.

#### BACHELOR OF SCIENCE (HONOURS)

University of Cape Town / Cape Town 1993 • Dissertation: Composition of Erica nectar, and the functional role it plays in determining plant-pollinator interactions • Dean's List Honoree Semester and Year • Major in Zoology and Botany • Cum laude graduate

### SKILLS

Ecotourism consultancy • Biodiversity assessment and audits • Terrestrial vertebrate EIAs • EclAs • Terrestrial vertebrate surveys and monitoring • Ecology • eDNA techniques • Restoration ecology • Post-mine rehabilitation • Complex field logistics • Field experience in 50+ countries

### EMPLOYMENT

**1995 – present: Freelance specialist consultant – terrestrial vertebrate ecology.** Conducted work and coordinated field teams in 50+ countries in ecology and biodiversity assessments and field work relating to green energy and protected area networks, designation of Key Biodiversity Areas (KBAs), threatened and endangered species, and general vertebrate survey work with a focus on birds (ornithology) as rapid biodiversity assessment tools. Restoration ecology in subtropical Andean cloud forest on private mining land with reforestation of key areas for NGOs. Also involved in ecotourism strategies and assessment, product diversification, marketing strategies and capacity building.

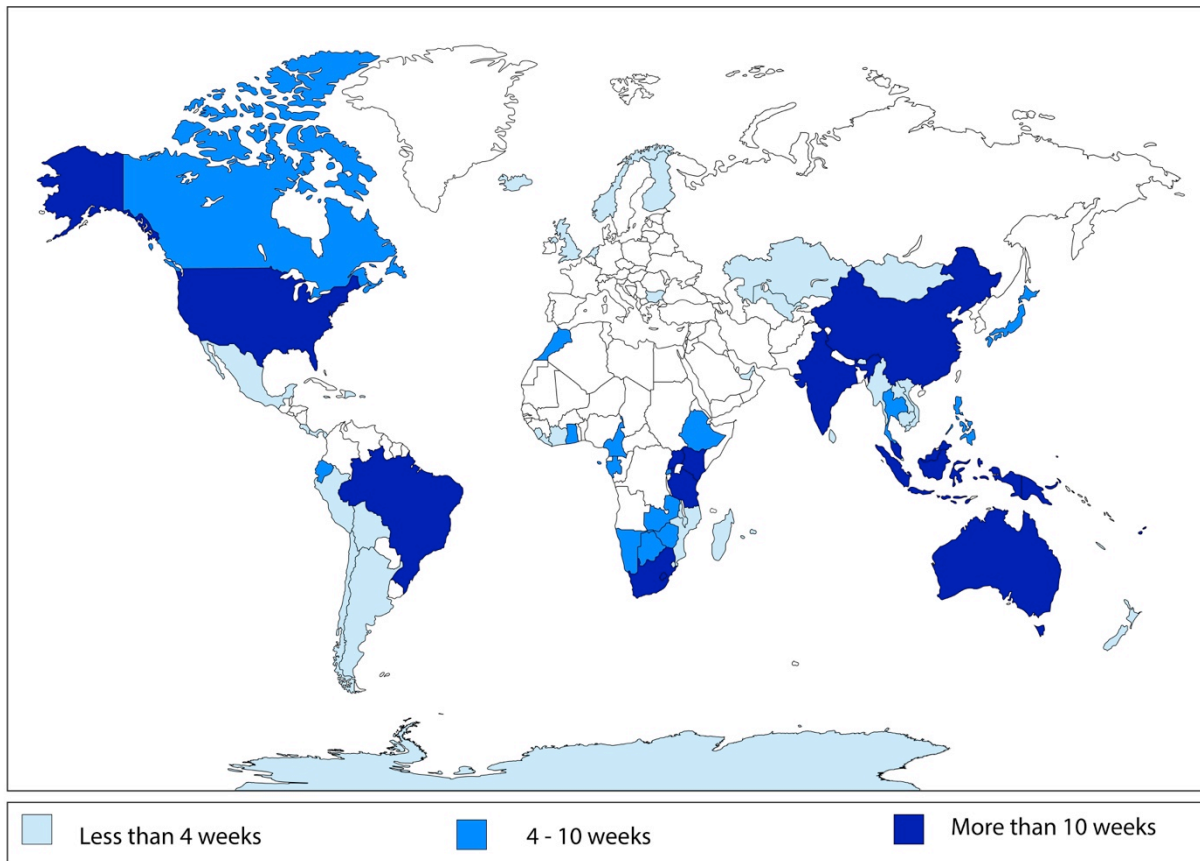
**July 2019 – present: Founder – Pitta Environmental Consultants** ([www.pittaconsulting.com](http://www.pittaconsulting.com)). Responsibilities include heading up a team of field biologists with unrivaled global field experience and expertise to assist larger consultancies and NGOs in achieving their objectives. Understanding terrestrial and marine vertebrates intimately means we assist with designing, coordinating and executing biodiversity surveys, biodiversity audits, protected area assessments, and models for strict protection and multi-use zones. We also participate in habitat restoration, especially with tropical montane forests in the Andes and ecotourism consultancy.

**August 2001 – present: Director – Tropical Birding** ([www.tropicalbirding.com](http://www.tropicalbirding.com)). Primary responsibilities include strategic corporate partnerships, client liaison and servicing, marketing, finance, team coordination and relationship management, and oversight. Fostering an environment of trust and independence within Tropical Birding has aided the company to become one of the fastest growing globally in its sector. Liaison with hundreds of service providers in over 70 countries mostly in the tropics. Collaborative projects with Houston Audubon, BirdLife International, American Bird Conservancy, American Birding Association, Jocotoco Foundation, Mindo Cloudforest Foundation, Olympus Camera and Swarovski Optik have been central to our corporate philanthropy.

**February 1995 – February 2000: Scientific Officer - Avian Demography Unit (ADU) at the University of Cape Town (UCT)**. Responsibilities included coordinating BirdLife International's Important Bird Areas (IBA) Programme for South Africa, Swaziland and Lesotho; also sitting on the Steering Committee in Cambridge as a technical representative for the southern African subcontinent. The project culminated in the production of an IBA book for southern Africa in 1998, *The Important Bird Areas of southern Africa*. Project management, coordination and editing of the revision of *The Eskom' Red Data Book of Birds of South Africa, Lesotho & Swaziland*, an updated Red Data Book for birds using the revised IUCN criteria, was completed in 2000. Also involved in the Coordinated Waterbird Count Project (CWAC) which fed data into the Ramsar agreement and contributed to the Southern African Bird Atlas Project (SABAP) and Coordinated Avifaunal Roadcount (CAR) report.

## **EXPEDITION EXPERIENCE**

Full-time career coordinator and leader of commercial expeditions and tours since 2001. In that time, I have assisted in the co-ordination of over 1000 and personally led over 120 trips that have lasted multiple weeks, to over 50 countries on 7 continents, mostly developing countries, several of which are highly challenging to work in.



## PUBLICATIONS (Selected)

### BOOKS IN PREPARATION

**BARNES, K.N., STEVENSON, T. & FANSHAW, J. A FIELDGUIDE TO THE BIRDS OF GREATER SOUTHERN AFRICA: SOUTH AFRICA, LESOTHO, SWAZILAND, NAMIBIA, BOTSWANA, ZIMBABWE, MOZAMBIQUE, ZAMBIA, MALAWI AND ANTARCTICA.** Helm. Bloomsbury.

### PUBLISHED BOOKS

**BARNES, K.N.** 2016. The Animals of Kruger National Park. WildGuides. Princeton University Press.

**BARNES, K.N. (ed).** 2000. The Eskom Red Data Book of South Africa, Lesotho & Swaziland. BirdLife South Africa, Johannesburg. pp 167.

**BARNES, K.N. (ed).** 1998. The Important Bird Areas of southern Africa. BirdLife South Africa, Johannesburg. pp 394.

**BARNES, K.N & BEHERNS, K.** 2017. The Birds of Kruger National Park. WildGuides. Princeton University Press.

BEHERNS, K & **BARNES, K.N.** 2016. The Wildlife of Madagascar. WildGuides. Princeton University Press.

BEHRENS, K., **BARNES, K.N.** & BOIX-HINZEN C. 2010. Birding Ethiopia. Lynx Edicions. Barcelona. pp 183.

BEHRENS, K., BOIX-HINZEN C. & **BARNES, K.N.** 2014. Wild Rwanda. Lynx Edicions. Barcelona.

HOCKEY, P.A.R., DEAN, W.R.J., RYAN, P., TREE, A.J., VERNON, C.J., CRAIG A.J.F.K., ALLAN, D.G., TURPIE, J.K., SIMMONS, R.E., SPOTTISWOODE, C.N., KEMP, A.C., LOUW, K., OATLEY, T.B., CHITTENDEN, H.N., JENKINS, A.R., JOHNSON, D.N., HERREMANS, M.L.J., LLOYD, P., SMITH, N., VOELKER, G., BOWIE, R.C.K., NUTTALL, R.J., PAYNE, R.B., COLAHAN, B.D., DU PLESSIS, M.A., PIPER, S.E., TARBOTON, W.R., CRAWFORD, R.J.M., LITTLE, R.M., HUSTLER, K., ANDERSON M.D., **BARNES, K.N.**, BROWN, M., COHEN, C., EARLE, R., MILLS, M.S.L. & WANLESS, R.M. (2005). In HOCKEY P.A.R., RYAN, P.G. & DEAN, W.R. (eds.). Roberts Birds of southern Africa VII. John Voelcker Bird Book Fund, Cape Town. Pp1296.

#### **PUBLISHED SCIENTIFIC PAPERS**

MILLER, S.M, **BARNES, K.N.**, BLOOMER, P. & RYAN, P.G. (in press). Phylogeography and morphometric variation of the Spike-heeled lark *Chersomanes albofasciata* complex. *Ostrich*.

ALSTRÖM, P., **BARNES, K.N.**, OLSSON, U., BARKER, F.K., BLOOMER, P., KHAN, A.A., QURESHI, M.A., GUILLAUMET, A., CROCHET, P.-A. & RYAN, P.G. (2013). Multilocus phylogeny of the avian family Alaudidae (larks) reveals complex morphological evolution, non-monophyletic genera and hidden species diversity. *Molecular Phylogenetics and Evolution* **69**: 1043–1056.

GREEN, R.E, **BARNES, K.N.** & BROOKE, M DE L. (2009). How the longspur won its spurs: a study of claw and toe length in ground-dwelling passerine birds. *Journal of Zoology* **277**: 126–133.

**BARNES, K.N.** (2000). Wetland Conservation and Management in South Africa. In: Severinghaus, L-L. (ed). *Proceedings of the International Conference on Wetland Management, Taipei*.

**BARNES, K.N.** (1999). Collisions of first and third world conservation problems: The IBA example. In: Adams, N.J. & Slotow, R.H. (eds). *Proceedings of the 22<sup>nd</sup> International Ornithological Congress, Durban*. Ostrich.

**BARNES, K.N.**, RYAN, P.G. & BOIX-HINZEN, C. (1997). The impact of the Hake *Merluccius* spp. longline fishery off South Africa on procellariiform seabirds. *Biological Conservation* **82**: 227–234.

**BARNES, K.N.**, NICOLSON, S.W. & VAN-WYK, B.E. (1995). Nectar sugar composition in *Erica*. *Biochemical Systematics and Ecology* **23 (4)**: 419–423.

HOCKEY, P.A.R. & **BARNES, K.N.** (1997). Latitudinal patterns in the structure of coastal wader assemblages and associated implications of habitat loss. In: Goss-Custard, J.D., Rufino, R. and Luis, A. (eds) *Effects of Habitat loss and change on waterbirds*. Proceedings of the 10th international waterfowl ecology symposium held at the University of Aveiro, Portugal 18-21 September 1995. Wetlands International Publication No 42.

In addition, I have published nearly 100 consultancy reports, book chapters, accounts for books and popular articles. Please ask for a more comprehensive listing if required.