


2-2018

Faculty Achievements, February 2018 Report

Otterbein University

Follow this and additional works at: <https://digitalcommons.otterbein.edu/achievements>

 Part of the [Educational Assessment, Evaluation, and Research Commons](#), and the [Scholarship of Teaching and Learning Commons](#)

Recommended Citation

Otterbein University, "Faculty Achievements, February 2018 Report" (2018). *Faculty Achievement Reports*. 1.
<https://digitalcommons.otterbein.edu/achievements/1>

This Article is brought to you for free and open access by the Faculty Scholarship at Digital Commons @ Otterbein. It has been accepted for inclusion in Faculty Achievement Reports by an authorized administrator of Digital Commons @ Otterbein. For more information, please contact shickey@otterbein.edu.

Faculty Achievements, February 2018 Report

OFFICE OF ACADEMIC AFFAIRS

PAUL S. EISENSTEIN, Dean, School of Arts and Sciences/Professor in the Department of English

Presentations and Posters

Eisenstein, Paul. "Time, Messianism, and Denis Villeneuve's *Arrival*." LACK II: Psychoanalysis and Politics Now. Colorado College. October 19-21, 2017.

WENDY R. SHERMAN HECKLER, Interim Provost and Vice President for Academic Affairs/
Professor in the Department of Education

Presentations and Posters

Sherman Heckler, W., Robertson, D., Reber, D., and Richards, K. (2017, January). Physics mysteries: OP2 activities for engaging middle grades students. Workshop presented at the annual meeting of the Science Education Council of Ohio, Columbus, OH.

DEPARTMENT OF BIOLOGY AND EARTH SCIENCE

KEVIN D. SVITANA, Associate Professor

Service/Leadership in the Profession

Invited by the Ohio Environmental Protection Agency to serve on the Ohio Voluntary Action Program Advisory Group. The group is tasked with preparing an assessment of the Brownfield revitalization rules (Ohio Administrative Code 3745-300) and Certified Professionals Program.

DEPARTMENT OF BUSINESS, ACCOUNTING AND ECONOMICS

MICHAEL A. LEVIN, Associate Professor

Presentations and Posters

Presented "Pairing Big Data in to Bite Size Morsels," Ohio Program Evaluators' Group's Autumn conference, Springfield, OH, September 29, 2017.

Delivered the keynote address, "Innovating and Motivating Generation Z," to the Southwest College Bookstore Association's annual conference in Dallas, TX, October 22, 2017.

Participated in the panel, "The 10 Commandments of Marketing," Society for Marketing Advances' annual conference, Louisville, KY, November 10, 2017. Levin covered "Honoring thy Father and Mother" related to product and brand extensions as well as "Keep and Remember the Sabbath" related to brand communities.

Service/Leadership in the Profession

Elected to serve a two-year term as treasurer for Society for Marketing Advances, an international group for marketing academicians. Levin previously was appointed to serve out the vacated position.

CENTER FOR TEACHING AND LEARNING

KATHRYN M. PLANK, Associate Professor in the Department of Education/Director of the Center for Teaching and Learning/Interim Associate Vice President for Academic Affairs and Dean of University Programs

Presentations and Posters

Plank, K. M., Esson, J. M., Wendel, P., Young, A., and McCargar, J. (2017). Which instrument should we use? Assessing classroom observation protocols. AAC&U's Transforming STEM Higher Education Conference. San Francisco, CA, November 2-4.

DEPARTMENT OF CHEMISTRY

CARRIGAN J. HAYES, Associate Professor

Books, Book Chapters, and Journal Articles (peer reviewed)

Hayes, C. J. "Adapting Visual Art Techniques via Collaborations with a Local Museum To Engage Students in an Interdisciplinary Chemistry and Art Course." In Liberal Arts Strategies for the Chemistry Classroom; Kloepper, K. D., Crawford, G. L., Eds. American Chemical Society Symposium Series, 2017, pp 99-112.

Tao, P., Hackett, J. C., Kim, J. Y., Saffen, D., Hayes, C. J., Hadad, C. M. "Molecular Determinants of TRPC6 Channel Recognition by FKBP12." In Computational Chemistry Methodology in Structural Biology and

Material Sciences, Chakraborty, T., Ranjan, P., Eds. Apple Academic Press, 2017.

JOAN M. ESSON, Associate Professor

Presentations and Posters

Esson, J. M., Plank, K., Wendel, P., Young, A., and McCargar, J. Which Instrument Should We Use? Assessing Classroom Observation Protocols. AAC&U's Transforming STEM Higher Education: Discovery, Innovation, and the Value of Evidence conference. San Francisco, CA, November 2017.

ROBIN E. GROTE, Assistant Professor

Presentations and Posters

Isaac, L., Grote, R., Esson, J. Otterbein University Student Chapter. 253rd American Chemical Society National Meeting, San Francisco, CA, April 1-6, 2017.

Bliss, E., Isaac, L., Merringer, K., Peters, L., Sowers, B., Grote, R. Synthesis of 1,3,4-Oxadiazoles using Dibromotriphenylphosphorane. 253rd American Chemical Society National Meeting, San Francisco, CA, April 1-6, 2017.

DEPARTMENT OF EDUCATION

PAUL J. WENDEL, Associate Professor

Presentations and Posters

Plank, K. M., Esson, J. M., McCargar, J., Wendel, P. J., Young, A. M. (2017, November 30). Which instrument should we use? Assessing classroom observation protocols. Presentation at AACU/Project Kaleidoscope Conference Transforming STEM Higher Education: Discovery, Innovation, and the Value of Evidence, San Francisco, CA.

DEPARTMENT OF ENGLISH

NORMAN R. CHANEY, Professor

Books, Book Chapters, and Journal Articles (peer reviewed)

Chaney, Norman R. The Appointed Earth: Literary Reflections on the Creation. CreateSpace Independent Publishing Platform, September 2017. This book

maintains that the biblical story of creation contained in the first three chapters of Genesis is alive with meanings that specific writers have captured for conceiving the world of nature as "appointed" under a divine entity. The writers are Richard Jefferies, Theodore Roethke, Robinson Jeffers, E. O. Wilson, Harlan Hubbard, Wendell Berry, Louis Bromfield, Shakespeare, R. S. Thomas, Mother Ann Lee, and Ralph Waldo Emerson.

DEPARTMENT OF HEALTH AND SPORT SCIENCES

KRISTY L. MCCRAY, Assistant Professor

Presentations and Posters

Guest lecturer, November 2017. Title IX, Sexual Assault, and College Athletics. KNSISM 5614: Sport and Sexuality, The Ohio State University, Columbus, OH.

Service/Leadership in the Profession

Co-Chair, Diversity Committee. North American Society for Sport Management, June 2017-present.

Service/Leadership in the Profession

Facilitator/Organizer for A Zero Tolerance Approach: Sexual Assault Prevention Education for Student-Athletes (10-hour pilot program for 60+ athletes) at Otterbein University, December 2017.

PATRICIA S. WILSON, Senior Instructor

Community Outreach/Service Learning

Coordinated the 3rd Annual Westerville Hunger Heroes 5K & Fun Run to support W.A.R.M.'s Share Bac A Pac and the Otterbein University Promise House.

Designed and implemented a six week Strengths-Based Leadership Development program with Heritage Middle School students along with her FYS 1025 class.

Presentations and Posters

"Strengths-Based Leadership Development," Leadership Westerville. September 2017.

"Strengths-Based Team Development," OhioHealth Wound Care Department and OhioHealth Learning Department. September 2017.

"Dare to be Practical," Van Sant Leadership Series presentation. September 2017.
"StrengthsExplorer in the Middle School Curriculum," Westerville City Schools Middle School Guidance Counselors. December 2017.

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

MARCUS E. GREEN, Associate Professor
Presentations and Posters
"Intersection of Race and Class in Gramsci's Writings on Subalternity," Association for Economic and Social Analysis Retreat/Workshop, University of California, Riverside, April 21-23, 2017.
Publications and Essays (non-peer reviewed)
"Editors' Introduction" (with Serap Kayatekin), *Rethinking Marxism* 29.2 (2017): 229-232.
"Editors' Introduction" (with Serap Kayatekin), *Rethinking Marxism* 29.1 (2017): 1-6.
Service/Leadership in the Profession
Board Member, Association for Economic and Social Analysis, 2017-present.
Advisory Committee, *Gramsciana. Rivista critica internazionale*, 2014-present.
Co-Editor, *Rethinking Marxism*, 2013-present.
Editorial Board Member, *Rethinking Marxism*, 2010-present.
Editorial Board Member, *International Gramsci Journal*, 2007-present.
Secretary, International Gramsci Society, 2007-present.
Editor, International Gramsci Society website, 2002-present.

COURTRIGHT MEMORIAL LIBRARY

JANE H WU, Professor/Systems Librarian
Presentations and Posters
Wu, Jane. (2017 October 27). Culturally Sustaining Pedagogy through Navigating Information Literacy (IL) Education Differences for Chinese International Students. Academic Library Association of Ohio (ALAO) Annual Conference Presentation. Lewis Center, OH.

DEPARTMENT OF MATHEMATICAL SCIENCES

RYAN M. BERNDT, Associate Professor
Books, Book Chapters, and Journal Articles (peer reviewed)
Berndt, R. "The weighted Fourier inequality, polarity, and the reverse Holder inequality." *Journal of Fourier Analysis and Applications*, November 2017.

WILLIAM V. HARPER, Professor
Books, Book Chapters, and Journal Articles (peer reviewed)
Kowalski, Angel, Jason Land, William V. Harper, "Enhanced Corrosion Management Analysis of Pipelines," National Association of Corrosion Engineers, NACE 2017 C2017-9729.
Harper, William V., "Finite Population Agresti-Coull based Binomial Confidence Intervals and Excel VBA Function," Proceedings of the Joint Statistical Meetings (JSM2017-Section on Physical and Engineering Sciences), August 2017.

DEPARTMENT OF MODERN LANGUAGES AND CULTURES

AMY K. STRAWSER, Part-Time Faculty
Published Reviews, Teaching Applications, and Essays
Published the translations (with Helen Fehervary) of the short stories "The Excursion of the Dead Girls," "Post to the Promised Land," and "The End" by Anna Seghers in Anna Seghers: Three Tales for Dark Times, "Exile and Memory," *American Imago: Psychoanalysis and the Human Sciences*, vol. 74, no. 3, Fall 2017.
"Navigating the Literary Marketplace since the 1970s: The Case of Ursula Krechel." Paper presentation at the German Studies Association Conference, Atlanta, GA, October 7, 2017.

DEPARTMENT OF MUSIC

JENNIFER MERKOWITZ, Associate Professor
Artistic Exhibits and Performances

Original composition *And the Dish Ran Away with the Spoon* for solo percussion was performed by Joseph Van Hassel at the Percussive Arts Society International Convention, Indianapolis, IN, November 9, 2017.

Service/Leadership in the Profession

Coordinator of the 2017 Women in Music-Columbus Call for Scores by Women Composers, which will culminate in a concert of music written by women at Capital University in April 2018.

WALKER A. GAYLE, Professor

Artistic Exhibits and Performances

Conducted Otterbein University Concert Choir on their Germany performance tour. Performed by invitation at: Cologne Cathedral, Cologne, December 13, 2017; Christuskirche, Schwelm, December 13, 2017; St. Nikolaikirche, Leipzig, December 14, 2017; Thomaskirche, Leipzig, December 15, 2017; and Kirche Phöben, Werder, December 17, 2017.

Conducted the Otterbein University Honor Choir, October 25, 2017.

Conducted Otterbein University Concert Choir in local performances at: All Shepherds Lutheran Church, November 5, 2017; Westerville Community United Church of Christ, November 19, 2017; and Holiday concert at Fritsche Theatre, December 2, 2017.

Conducted Opus One in performance at: The Center for Balanced Living Fundraiser, Easton, October 14, 2017; and Holiday concerts at Fritsche Theatre, December 1-2, 2017.

Service/Leadership in the Profession

Vice-President, American Choral Directors Association Central Division

DEPARTMENT OF NURSING

JACQUELINE J. HAVERKAMP, Professor

Books, Book Chapters, and Journal Articles (peer reviewed)

Haverkamp, J., Ribar, A.K., Ball, K., Ballard, K., Butz, S., Chovan, J.D., Fried, E.M., Garrett, B., Hughes, K., Keane, P., Prusinski, R., and Shoemaker, J.R. (2017). A map for successful CCNE accreditation. *Journal of Professional Nursing* (2017), <http://dxdoi.org/10.1016/j.profnurs.2017.09.003>.

JOHN D. CHOVAN, Associate Professor

Completion of Doctoral Degrees/Certifications
Post-Master's Certificate in Psychiatric and Mental Health Nurse Practitioner Across the Lifespan, University of Cincinnati, August 8, 2017.

Psychiatric/Mental Health Nurse Practitioner-Board Certified, national board certification, American Nurses Credentialing Center, December 10, 2017.

KAY A. BALL, Professor

Books, Book Chapters, and Journal Articles (peer reviewed)

Haverkamp, J., Ribar, A.K., Ball, K., Ballard, K., Butz, S., Chovan, J.D., Fried, E.M., Garrett, B., Hughes, K., Keane, P., Prusinski, R. and Shoemaker, J.R. (2017). A map to successful CCME accreditation. *Journal of Professional Nursing*. DOI: <http://dx.doi.org/10.1016/j.profnurs.2017.09.003>

Presentations and Posters

Ball, K. (2017, September 16-17). Lasers in Healthcare. Sponsored by Laser Institute of America. Chicago, IL.

Ball, K. (2017, September 18). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon presentation. Cincinnati, OH.

Ball, K. (2017, September 19). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Dinner. Minneapolis, MN.

Ball, K. (2017, September 27). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Dinner. South Bend, IN.

Ball, K. (2017, October 11). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Dinner. Indianapolis, IN.

Ball, K. (2017, October 12). The Art of Writing Books. Otterbein FDSC event luncheon. Otterbein University. Westerville, OH.

Ball, K. (2017, October 14-15). Lasers in Healthcare. Sponsored by Laser Institute of America. Phoenix, AZ.

Ball, K. (2017, October 27). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Workshop. Dallas, TX.

Ball, K. (2017, November 2). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Dinner. Ft. Worth, TX.

Ball, K. (2017, November 7). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Dinner. Charleston, SC.

Ball, K. (2017, November 15). Surgical Smoke Evacuation and Implementing a Hospital Policy. American Association of Gynecological Laparoscopists (AAGL). Baltimore, MD.

Ball, K. (2017, November 16). Reintegration into Society of an Incarcerated Inmate (panel discussion). Otterbein University course. Invited by Heidi Ballard. Otterbein University, Westerville, OH.

Ball, K. (2017, November 17). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Workshop. Houston, TX.

Ball, K. (2017, November 28). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Dinner. Seattle, WA.

Ball, K. (2017, November 29). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Dinner. Portland, OR.

Ball, K. (2017, December 5). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Dinner. Mansfield, OH.

Ball, K. (2017, December 19). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Dinner. Jacksonville, FL.

Ball, K. (2017, December 20). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon luncheon at Florida Hospital System. Daytona, FL.

Ball, K. (2017, December 20). Surgical Smoke Evacuation and Implementing a Hospital

Policy. Ethicon luncheon at Halifax Hospital. Daytona, FL.

Ball, K. (2017, December 20). Surgical Smoke Evacuation and Implementing a Hospital Policy. Ethicon Dinner. Orlando, FL.

Service/Leadership in the Profession
Delegate to Ohio Nurses Association Convention. Columbus, OH. October 5-8, 2017.

Set up and conducted AORN of Central Ohio chapter meetings at Columbus Zoo Healthcare Center, November 14, 2017 and Cardinal Health International Headquarters (invited quadruple amputee to speak), December 12, 2017.

DEPARTMENT OF PHYSICS

UWE TRITTMANN, Associate Professor
Books, Book Chapters, and Journal Articles (peer reviewed)
Published an introductory astronomy textbook ("The Expanding Universe") with Cognella Academic Publishing.

DEPARTMENT OF RELIGION AND PHILOSOPHY

GLENNA S. JACKSON, Professor
Books, Book Chapters, and Journal Articles (peer reviewed)
Glenna S. Jackson, "Insiders and Outsiders and a Hermeneutic of Resonance," *Hervormde Theologiese Studies 73/4 [Yolanda Dreyer Festschrift] 2017.*

Honors and Awards
Visiting Scholar: St. George's College (Jerusalem) 2017.

Research Associate, "Biblical Theology and Hermeneutics," University of Pretoria, South Africa.

Presentations and Posters
"Mpalale Village and Gospel Times," International Society of Biblical Literature (Seoul, South Korea).

Published Reviews, Teaching Applications, and Essays
Book Review: Sheila E. McGinn, *The Jesus Movement and the World of the Early Church*

(Anselm Academic, 2014). The Fourth R 30/2, 2017.

Book Review: Mercedes Navarro Puerto and Marinella Perroni, eds., *Gospels: Narrative and History: The Bible and Women 2.1* (Atlanta: SBL Press, 2015) Review of Biblical Literature, 2017.

Service/Leadership in the Profession
Presider, Westar Institute Semi-Annual Meetings (Boston; November 2017).

Editorial Board, *The Fourth R: An Advocate for Religious Literacy* (Santa Rosa, California).

Review Staff, *Hervormde Theologies*.

DEPARTMENT OF THEATRE AND DANCE

CHRISTINA M. KIRK, Professor

Artistic Exhibits and Performances
Director, *Who's Afraid of Virginia Woolf?*,
Otterbein University, November 2017.

MELISSA J. LUSHER, Associate Professor

Artistic Exhibits and Performances
Played Martha in *Who's Afraid of Virginia Woolf?*, directed by Christina Kirk, Otterbein Theatre, November 2017.

Presentations and Posters

Invited Guest Lecturer, Ancient Greek Theatre, Kenyon College, October 2017.

ROBERT W. JOHNSON, Professor

Artistic Exhibits and Performances
Guest scenic designer for a production of *Royal Gambit* at Ohio Wesleyan University and led a masterclass in design for the OWU theatre students.

TIMOTHY J. GERCKENS, Assistant Professor

Artistic Exhibits and Performances
Lighting Design for *Wonderful Town*, directed by Mary Zimmerman, The Goodman Theatre, Chicago, IL, September 2016.

Lighting Design for *Dance Concert 2016: The Goddess*. Stella Kane, Artistic Director, Otterbein University Theatre, November 2016.

Lighting Design for new production of *Rusalka*, by Antonin Dvorak and directed by Mary

Zimmerman. The Metropolitan Opera, New York, NY. February 2017.

Lighting Design for Metropolitan Opera production of *Rusalka* live simulcast into HD cinemas worldwide, February 2017 and encore rebroadcast March 2017.

Lighting Design for Metropolitan Opera production of *Rusalka Broadcast* on PBS Great Performances from the Met, Spring 2017.

Lighting Design for *Lyrics from Lockdown*, written and performed by Bryonn Bain, Vernon Pack Lecture Series, Otterbein University, April 2017.

Lighting Design for *Damn Yankees*. Directed by Mark Mineart, Otterbein University Theatre, March 2017.

Lighting Design for *The Odyssey*. Adapted and Directed by Mary Zimmerman, The Oregon Shakespeare Festival, Ashland, OR, June 2017.

Lighting Design for *Adding Machine: A Musical*. Directed by Lenny Leibowitz. Otterbein University, October 2017.

Lighting Design for *Dance Concert 2017: Move Me*. Stella Kane, Artistic Director, Otterbein University, November 2017.

SUMMARY OF RECENT GRANTS: OFFICE OF GRANTS AND SPONSORED PROGRAMS (OGSP)

Otterbein faculty and administrators have received four grants totaling \$60,330 since our last update, bringing the 2018 total to \$86,287 with \$2,925,469 in pending requests. Ranging widely from research to academic studies to community education, these grants support the mission of Otterbein, enhance faculty achievement and student learning, and strengthen social justice in the central Ohio community.

ERIN BENDER, Executive Director, The Point
MICHAEL HUDOBA, Assistant Professor, Department of Engineering

Martha Holden Jennings Foundation, *Partnering Industry & Education* (\$5,500)

This program will provide education and training for K-12 teachers in the Big Walnut School District, using design thinking and problem based learning approaches to problem solving. Teachers will participate in a one-week intensive training course focused on these approaches, while developing a curriculum for their fall semester courses in their home school. In the summer, participating teachers will learn how to develop lasting relationships with industry partners in their district that will enhance their community engagement. Teachers will have identified their community partner by the end of the week session and will begin working together with that partner to identify and develop the problem that the students will solve in the fall of 2018. Industry partners will be expected to remain in communication with the teachers and the students throughout the summer and fall sessions. As the students progress through the problem based learning approaches to problem solving, the industry partner will provide feedback and support to the students through periodical visits. The culmination of the project will be a “pitch” event designed to provide the industry partner with the students’ solution to the problem, along with other business related details. The goal is to incorporate as many facets of learning as possible into the project: writing, communication and speech, art, STEM fields, and making. K-12 students and their teachers will have the opportunity to work with a local community member client and solve their problem while learning by doing.

TROY BONTE, Executive Director of Facilities

TRACY BENNER, Director of Residence Life

MELISSA GILBERT, Associate Dean for Experiential Learning/Director, Center for Community Engagement

GARY JOHNSON, Assistant Director of Grounds, Facilities

SWACO, *Community Waste Reduction: A Plan for Plastic Waste Reduction* (\$27,810)

The objective of the program is to eliminate the sale of single use bottled water at our food service outlets as well as in vending machines, thus diverting the amount of waste entering landfills and recycling facilities. Currently Otterbein food service outlets sell 14,000 bottles of water annually. Although there will be residents, faculty, and staff who will continue to use single use bottled water the initiative should significantly reduce and, over time, eliminate this practice. The project consists of three initiatives:

- a. Education of faculty, staff, and students on the impact of single use bottled water on the environment
- b. The installation of 30 additional bottle fill stations
- c. Providing 2,200 reusable water bottles to promote the initiative

JANICE GLOWSKI, Gallery and Museum Director,
Department of Art
National Endowment for the Arts, *Another Place:
Photographs and Stories from a Refugee's
World* (\$15,000)

Another Place: Photographs and Stories from a Refugee's World is a series of arts-related events that will explore, through images and words, the notion of "place" in Somali refugee communities, focusing particularly on how the physical experience of place and displacement constructs, deconstructs, and reconstructs identity. The visual arts component of the project will include

- 1) a public art exhibition featuring photographs and video by award-winning photographer, documentary artist, and Somali refugee Tariq Tarey,
- 2) an interdisciplinary public arts panel featuring the artist, a Somali poet, and Somali scholars, and,
- 3) a public interactive art-making event related to refugee resettlement.

ANNA YOUNG, Associate Professor, Biology and Earth Science
Eppley, *Exploring Vocal Dialects in the Threatened Cape Parrot of South Africa as an Indicator of Taxonomic Distinction* (\$12,020)

When BirdLife International affirmed the Cape parrot (*Poicephalus robustus*) as a distinct species from the brown-necked parrot (*P. fuscicollis fuscicollis*) and the grey-headed parrot (*P. fuscicollis suahelicus*) on June 1, 2017, it officially became the most endangered African parrot species. This new species identification remains contentious. BirdLife International weighed evidence from morphological, vocal, genetic, ecological, and behavioral data for years, and declared that they relied on differences in plumage, bill size, and a rudimentary vocal assessment to make their decision. The handful of vocalizations that were assessed were noted to potentially not be representative of a vocal repertoire. The 1700 remaining Cape parrots are sequestered to fragmented, indigenous forest patches. It is possible that they actually represent different subspecies or species and their issue of conservation even more pressing. Dr. Young will travel to South Africa with two undergraduate researchers for a month of vocal sampling. They will work with local connections to find the parrots, and will record at least 100 contact calls from at least three sites within each province and along the forest archipelago. This will help

- 1) provide a better assessment of geographical range of the Cape parrot;
- 2) determine how vocally different the northern Limpopo population is to the brown-necked parrot; and
- 3) distinguish whether the southern population is divided into two or more distinct groups, or if they represent a continuum.