

Noel T. Boaz, Ph.D., M.D.

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EDUCATION

M.D.	Saba University School of Medicine , Netherlands Antilles	2004
Ph.D.	University of California, Berkeley Biological Anthropology Dissertation: "Paleoecology of Plio-Pleistocene Hominidae in the Lower Omo Basin, Ethiopia."	1977
M.A.	University of California, Berkeley Biological Anthropology	1974
B.A.	University of Virginia Physical Anthropology (with Distinction) [with transferred credit from Harvard University Summer School 1969 and University of California at Berkeley Summer School 1972]	1973
	Graduation with High Honors Phillips Exeter Academy, Exeter, New Hampshire	1970

PROFESSIONAL POSITIONS

Director, Laboratory of Biological Anthropology and Anatomy, Integrative Centers for Science and Medicine, Martinsville, Virginia, 2010 – Present

Senior Fellow, Virginia Museum of Natural History, 2007 – Present; Founding Director, 1984 -1990

Adjunct Professor of Biology, Norfolk State University, 2021 - Present

TEACHING EXPERIENCE

Anatomy

Norfolk State University, Adjunct Professor

"Human Anatomy & Physiology" BIO166-90, Spring 2022 – Fall 2023 (Online)

"Human Anatomy & Physiology I Laboratory" BIO 165L, Fall 2021 – Spring 2022

Emory & Henry College School of Health Sciences, Professor of Anatomy and Director, Anatomy Laboratory

"Human Gross Anatomy" Fall 2017-19

"Anthropological Anatomy" BIOL 350, Emory & Henry College, Spring 2018

Libyan International Medical University, Professor of Anatomy and Head of Medical Education

"Neuroanatomy" Spring 2010

"Gross Anatomy" 2009 - 2011

Ross University School of Medicine, Professor of Anatomy and Director of Research Development

"Human Gross Anatomy I and II" 2001 - 2009

Saba University School of Medicine, Professor and Chair of Anatomy

"Gross Anatomy" 1995 – 1998
"Medical Embryology" 1995 – 1998

George Washington University, Research Professor and Director, International Institute of Human Evolutionary Research
"Introduction to Biological Anthropology" Fall 1991

New York University School of Medicine, Assistant Professor of Anthropology and Anatomy
"Human Gross Anatomy" School of Medicine 1978 – 1980
"Comparative Anatomy of the Primates" Anthro G14.1515, 1980 – 1981
"Fossil Evidence for Hominid Evolution" Anthro V14.0050, Spring 1983

University of California Los Angeles, Lecturer in Anthropology
"Comparative Morpho-Physiology of the Higher Primates" Anthro132, Spring 1978

Continuing Medical Education Courses

"Evolutionary Medicine: Why Are You Normal?" Carilion Clinic/Integrative Centers for Science and Medicine, Online Synchronous and Asynchronous CME, a series of three one-hour sessions on "Temperature," "Body Size," and "Blood Pressure" for 3.0 CME credits for physicians July 2021
"Lumbar Puncture," Carilion Clinic CME Program, Course Director, Online Synchronous and Asynchronous CME, July, 2020 – July, 2021
"12-Lead EKG and Clinical Anatomy of the Heart," Activity Director and Lecturer, Emory & Henry College School of Health Sciences, Marion, VA 1/31/2020
"Clinical Anatomy of Thoracentesis and Paracentesis," Activity Co-Director and Lecturer, Emory & Henry College School of Health Sciences, Marion, VA 11/17/18
"Airway Management and Tracheal Intubation," Activity Co-Director and Lecturer, East Tennessee State University Quillen College of Medicine, Johnson City, TN 7/14/18
"The Clinical Anatomy of Central Venous Catheterization," Activity Co-Director, Emory & Henry College School of Health Sciences, Marion, VA 2/10/18

Seminars & Small-Group Classes

Medical School Problem-Based Learning Facilitator, Libyan International Medical University, 2010-2011
Medical School Problem-Based Learning Facilitator, Ross University School of Medicine, 2002-2009
"Proseminar in Biological Anthropology" Anthro 201, George Washington University, Spring 1993
"Earth Science Perspectives in Paleoanthropology" Anthro G14.3398, New York University, Spring 1983
"Human Evolution: Problems and Perspectives" Anthro G14.2519, New York University, Spring 1982
"Paleoecology of Early Hominidae" Anthro 280, UCLA, Spring 1978
"Hominid Paleontology and Taphonomy" Anthropology G14.3218, New York University, Spring 1979
"Fossil and Biomolecular Phylogenies of the Primates" Anthro G14.1931, New York University, Spring 1979
"Reconstruction of the Behavior of Early Hominidae" Anthro G14.1935, New York University, Spring 1980
"Current Issues in Physical Anthropology" Anthro V14.0512, New York University, Spring 1982

Professional Review Courses

"MCAT Preparatory Course", BIO 405,, Spring 2025
"Anatomy" and "Embryology" question author and co-editor for medical student content, and "Anatomy" question author and co-editor for nursing student content, StatPearls (www.statpearls.com) 2017-2023

"Anatomy," "Histology," "Embryology," and "Neuroanatomy," Kaplan USMLE Review, Pasadena, CA, New York, NY, Guadalajara, Mexico, and Riyadh, Saudi Arabia 2011-2012
"Human Anatomy," Falcon Physician Reviews, Dallas, TX 2008-2009 (www.falconreviews.com)
"Clinical Anatomy" question author, Web-based medical examination preparation, Exam Master (www.exammaster.com), 1999-2010

RESEARCH

Anatomy

- Gobée, O.P., S. Sulaiman, **N.T. Boaz**, A. Mork, and I. Whitmore
2024 "Can AnatomicalTerms.info with its synonyms and succinct open definitions be a solution to address variations in usage of anatomical terminology?" *Anatomical Science International*. <https://doi.org/10.1007/s12565-024-00761-x>
- Detton, A.J., M. K. Anand, **N.T. Boaz**, G. Noel, C. Tessema, H. Labib, P.J. Ward, A. Weinhaus, A.E. Wink, and P.E. Neumann
2024 Preliminary Report on a Consensus Survey of the Fascia Subcommittee of the Clinical Anatomy Terminology Committee, *American Association of Clinical Anatomists Annual Meeting*, New York, NY.
- Boaz, N.T.**
2023 "Evo-Devo Virtual Dissection with VH Dissector as an Adjunct to Onto-Phylogenetic Soft-Embalmed Cadaveric Dissection." 2023 Toltech Virtual User Meeting, March 3, 2023.
- Boaz, N.T.**
2022 "Characterization and Evolutionary Medicine of the Transcellular Fluid Compartment." ISEMPH Annual Meeting Abstracts (presentation), Lisbon, Portugal.
- Boaz, N.T.**
2021 "Onto-Phylogenetic Dissection of the Back: Anatomy with a Narrative." American Association of Clinical Anatomists, 38th Annual Meeting [Virtual].
- Bernor, R.L., **N.T. Boaz**, O. Cirilli, M. El-Shawaihi, and L. Rook
2020 Sahabi *Eurygnathohippus feibeli*: Its systematic, stratigraphic, chronologic and biogeographic contexts. *Rivista Italiana di Paleontologia e Stratigrafia* 126(2):561-581.
- Stauffer, C.M., K. Meshida, R.L. Bernor, G. Granite and **N.T. Boaz**
2020 Anatomy, Pericardiacophrenic Vessels. [Updated 2020 Oct 1]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020 Jan.
- Muftah, A., M.H. El-Shawaihi, M.H. Al Riaydh, and **N.T. Boaz**
2020 Coprolites from the Neogene Sahabi Formation, northeastern Sirt Basin of Libya. *Arabian Journal of Geosciences* 13:223.
- Boaz, N.T.**, R.L. Bernor, K. Meshida, and F. Lui
2019 Anatomy, Thoracotomy and the Collateral Intercostal Neurovascular Bundle. *StatPearls* [Internet]. Treasure Island (FL): StatPearls Publishing; 2019 Jul 14. PMID: 31335088.
- Boaz, N.T.**
2018 "Umbilical Vein 'Folds of Hoboken' in a Coiled Umbilical Cord: An Evolved Fetal Adaptation to Withstand the High Pressure of Human Birth," International Society for Medicine, Evolution, and Public Health, Park City, UT.

- Boaz, N.T.**, C. Abercrombie, J.Y. Balta, R. Becker, R. Bernor, T. Clary, C. Goodmurphy, J. Graham, E.L. Kalmar, T. Kwasigroch, J. Krimsier, C. Robinson, D. Sikon, R. Sikon, and M. Wessels
2018 "Tissue Solidification in Heart, Lung, and Brain in Soft-Embalmed (Modified Thiel Method) Cadavers," American Association of Clinical Anatomists, Atlanta, GA – AACA Anatomical Services Award.
- Boaz, N.T.**, A. Martin, K. Thompson, C. Ferreira, and L. Forest
2011 Structure and functional significance of the transverse vesical fold. *Clinical Anatomy* 24:62-69.
- Boaz, N.T.** and R.L. Ciochon
2004 Headstrong hominids. *Natural History* 113(1):28-34.
- Boaz, N.T.**, P. Pavlakis, and A.S. Brooks
1990 Late Pleistocene-Holocene human remains from the Upper Semliki, Zaire. In: *Evolution of Environments and Hominidae in the African Western Rift Valley*. Virginia Museum of Natural History Memoir No. 1. Ed. N.T. Boaz., pp. 273-299.
- Boaz, N.T.**
1988 Status of *Australopithecus afarensis*. *Yearbook of Physical Anthropology* 31:85-113.
- Boaz, N.T.**
1983 Morphological trends and phylogenetic relationships from middle Miocene hominoids to late Pliocene hominids. In: *New Interpretations of Ape and Human Ancestry*. Eds. Ciochon, R.L., and R.S. Corruccini. New York: Plenum, Pp. 705-720.
- Boaz, N.T.** and W.E. Meikle
1982 Fossil remains of primates (Cercopithecoidea and Hominoidea) from the Sahabi Formation. *Garyounis Scientific Bulletin*, Special Issue 4:41-48.
- Boaz, N.T.**
1980 A hominoid clavicle from the Mio-Pliocene of Sahabi, Libya. *American Journal of Physical Anthropology* 53:49-54.
- Boaz, N.T.**
1979 Hominid evolution in eastern Africa during the Pliocene and early Pleistocene. *Annual Review of Anthropology* 8:71-85.
- Boaz, N.T.**, A.W. Gaziry, and A. El-Arnauti
1979 New fossil finds from the Libyan upper Neogene site of Sahabi. *Nature* 280:137-140.
- Boaz, N.T.**, and J. Hampel
1978 Strontium contents of tooth enamel and diet in early hominids. *Journal of Paleontology* 52:928-933.
- Boaz, N.T.** and F.C. Howell
1977 A gracile hominid cranium from upper Member G of the Shungura Formation, Ethiopia. *American Journal of Physical Anthropology* 46:93-108.
- Boaz, N.T.**
1974 Positional and directional correlation of muscle attachments and split-line patterns in the pelvic region. *Southeastern Review* (University of Virginia) 1(2):123-133.

Medical Education

- Boaz, N.T.**, C. Abercrombie, J.Y. Balta, R. Becker, R. Bernor, T. Clary, C. Goodmurphy, J. Graham, E.L. Kalmar, T. Kwasigroch, J. Krimsier, C. Robinson, D. Sikon, R. Sikon, B. Wasko, and M. Wessels
2019 "Soft-Embalming Solidification Procedures to Maximize Student Learning Outcomes in Anatomy." American Association of Clinical Anatomists, 36th Annual Meeting, Tulsa, OK.
- Gould, D., **N.T. Boaz**, and B. Futterman (Eds.)
2018 Anatomy-Medical Student: 1200 Questions and Explanations. St. Petersburg, FL: *StatPearls*. [Online]
- Bhimji, S., and **N.T. Boaz** (Eds.)
2018 Embryology-Medical Student: 550 Questions and Explanations. St. Petersburg, FL: *StatPearls*. [Online]
- Jacobson, A., and **N.T. Boaz** (Eds.)
2018 Nurse-Anatomy: 1200 Questions and Explanations. St. Petersburg, FL: *StatPearls*. [Online]
- Boaz, N.T.**, R. Bernor, and K. Meshida
2017 "Onto-Phylogenetic Dissection of the Human Neck Utilizing Soft-Embalmed Cadavers: Clinical Anatomy," American Association of Clinical Anatomists Annual Meeting, Minneapolis, MN.
- Boaz, N.T.**
2016 Integration of embryology into an ontophylogenetic systems-based medical school curriculum. International Society for Evolution, Medicine, and Public Health, 2nd Annual Meeting, Durham, NC.
- Boaz, N.T.**, R. Bernor, and K. Meshida
2016 "Evo-Devo Anatomy Dissection: An Approach Using Soft Embalming that Transforms the Regional versus Systemic Debate," American Association of Anatomists Annual Meeting, San Diego, CA.
- Boaz, N.T.**
2015 The central role of Thiel-embalmed cadaveric dissection in a new medical school's integrated systems-curriculum emphasizing inquiry-based learning. *FASEB Journal* 29(1), Supplement 547.8.
- Boaz, N.T.**, R. Sikon, and D. Sikon
2012 "Comparison of Soft-Embalming, Low/Non-Formaldehyde Procedures for Laboratory Instruction in Anatomy," American Association of Clinical Anatomists, St. George's University, Grenada, West Indies.
- Boaz, N.T.**, R. Sikon, D. Sikon, L.N. Forest, and J.R. Wells
2013 "New Applications in Anatomical Education Using Soft-Embalmed Cadavers," American Association of Anatomists, Boston, MA.
- Boaz, N.T.**, and F. Anderhuber
2009 "The Uses of Soft Embalming for Cadaver-Based Dissection, Instruction in Gross Anatomy, and Training of Physicians," American Association of Anatomists, New Orleans, LA.
- Boaz, N.T.**, and D. Kronen

2006 "Bristle Through Bone: An Osteological Model Approach to Teaching the Cranial Nerves and Their Foramina," American Association of Anatomists, San Francisco, CA.

Evolutionary Medicine

Boaz, N.T. and R.L. Chevalier
2025 Evolutionary Medicine of Emunctory Functions of the Kidney: An Empirical Review. *Evolution, Medicine and Public Health*, In press.

Boaz, N.T.
2024 "The Natural History Museum as Home to Evolutionary Medicine: A Natural Choice for Narrating 'Evolving Health' Through Time," *International Society for Evolution, Medicine and Public Health Annual Meeting*, Durham, U.K.

Fox, M., P. Dahal, C. Beall, J. Moore, J. O'Carroll, and **N. Boaz**
2022 Hearing Acuity in Later Life Improves Social Integration, An Avenue for Increasing Inclusive Fitness. International Society for Medicine, Evolution, and Public Health, Annual Meeting, Lisbon, Portugal.

Boaz, N.T. and R.L. Chevalier
2021 Glomerulopathy. *Evolution, Medicine, and Public Health*. 2021, eoab015, <https://doi.org/10.1093/emph/eoab015>

Boaz, N.T., and R.L. Chevalier
2021 "Smithian Renal Evolution Re-analyzed with Clinical Implications," International Society for Medicine, Evolution, and Public Health, Annual Meeting [Virtual].

Fox, M., C. Beall, **N. Boaz**, J. Filipovic
2021 "How Acuity of the Senses Relates to Social Integration with Consequences for Fitness in Later Life," The Evolutionary Medicine and Public Health Grand Challenges, 2021 - First Place. International Society for Medicine, Evolution, and Public Health, Annual Meeting [Virtual].

Boaz, N.T.
2019 "Retrodictive Disproof of the Onto-Phylogenetic 'Just-So Story' and the Role of Narrative in Evolutionary Medicine." International Society for Evolution, Medicine, and Public Health, Zurich, Switzerland.

Boaz, N.T., G.A.C. Grell, R. Nasiiro, and P. Ricketts
2004 Extreme longevity in Dominica, West Indies: A population study. 29th Annual Meeting, Human Biology Association, Tampa, Florida.

Boaz, N.T.
2002 *Evolving Health: The Origins of Illness and How the Modern World is Making Us Sick*. New York: Wiley.

Biological Anthropology/Anthropogeny

Boaz, N.T. and A.J. Almquist
In Prep. [2025] *Biological Anthropology: A Synthetic View of Human Evolution*, 4th ed. Minneapolis, MN: Open Text Library.

- El Shawaihdi, M.H., **N.T. Boaz**, A.M. Muftah, and F. Salloum
2022 New lithostratigraphic nomenclature of Neogene rock units in As-Sahabi area, Sirt Basin, northeast Libya. In: *Stratigraphy and Time Scales. Integrated Quaternary Stratigraphy*. Ed M. Montenari. London: Elsevier, pp. 269-308.
https://www.researchgate.net/publication/364613718_New_lithostratigraphic_nomenclature_of_Neogene_rock_units_in_As-Sahabi_area_Sirt_Basin_northeast_Libya.
- El-Shawaihdi, M.H., A. Muftah, R.L. Bernor, and **N.T. Boaz**
2022 Stratigraphy and Age of the Sahabi Formation, Libya. *Mediterranean Geosciences Union, Istanbul, Proceedings*, 1091, 4 pp.
- Crawford, M.H., C. Phillips-Krawczak, K. Beaty, and **N. Boaz**
2021 Migration of Garifuna: Evolutionary Success Story. In: *Human Migration: Biocultural Perspective*. Munoz, L. and M. H. Crawford, Eds. Oxford: Oxford University Press. 17 pp.
- Muftah, A., M. H. El-Shawaihdi, M. H. Al Riaydh, and **N. T. Boaz**
2020 Coprolites from the Neogene Sahabi Formation, northeastern Sirt Basin of Libya. *Arabian Journal of Geosciences* 13:223, 10 pp. <https://doi.org/10.1007/s12517-020-5219-x>
- Boaz, N.T.**
2018 Zhoukoudian. In: *International Encyclopedia of Biological Anthropology*, ed. W. Trevathan. New York: Wiley.
- Muftah, A. M. Triantaphyllou, A. El-Mehaghag, P. Pavlakis, and **N.T. Boaz**
2018 Late Miocene formations from As Sahabi area, Sirt Basin, Libya in correlation to isochronous SE Europe deposits: A paleoclimatic approach. *Geologica Balcanica* 39(1-2):267-268.
- El-Shawaihdi, M.H., P.S. Mozley, **N.T. Boaz**, F. Salloum, P. Pavlakis, A. Muftah, and M. Triantaphyllou
2016 Stratigraphy of the Neogene Sahabi units in the Sirt Basin, northeast Libya. *Journal of African Earth Sciences* 118 (2016): 87-106.
- El-Shawaihdi, M.H., A. M. Muftah , P. S. Mozley, and **N. T. Boaz**
2014 New age constraints for Neogene sediments of the Sahabi area, Libya (Sirt Basin) using strontium isotope ($^{87}\text{Sr}/^{86}\text{Sr}$) geochronology and calcareous nannofossils. *Journal of African Earth Sciences* 89 (2014): 42–49.
- Muftah, A.M., P. Pavlakis, A. Godelitsas, P. Gamaletsos , and **N. Boaz**
2013 Paleogeography of the Eosahabi River in Libya: New insights into the mineralogy, geochemistry and paleontology of Member U1 of the Sahabi Formation, northeastern Libya. *Journal of African Earth Sciences* 78 (2013): 86–96.
- Crawford, M.H., K.G. Beaty, C. Krawczak, **N.T. Boaz**, R.J. Mitchell
2014 Genetic structure of island Carib populations. Human Biology Association. Podium presentation.
- Bernor, R.L., **N. T. Boaz** & L. Rook
2012 *Eurygnathohippus feibeli* (Perissodactyla: Mammalia) from the Late Miocene of As Sahabi (Libya) and its Evolutionary and Biogeographic Significance. *Bollettino della Società Paleontologica Italiana* 51 (1), 2012, 39-48. Modena.
- Argyriou, T., O. Otero, P. Pavlakis, and **N. T. Boaz**

- 2012 Description and paleobiogeographical implications of new *Semlikiichthys* (Teleostei, Perciformes) fish material from the Late Miocene deposits of Sahabi, Libya. *Geobios* 45 (5):429-436.
- Boaz, N.T.**, A. El-Arnauti, J. Agusti, R.L. Bernor, P. Pavlakis, and L. Rook
2008 Temporal, lithostratigraphic, and biochronologic setting of the Sahabi Formation, north central Libya. In: *Geology of East Libya*. Eds. M.J. Salem, et al. Amsterdam: Elsevier, Pp. 233-246.
- Boaz, N.T.**
2008 A view to the south: Eo-Sahabi palaeoenvironments compared and implications for hominid origins in Neogene North Africa. In: Boaz, N.T., El-Arnauti, P. Pavlakis, and M. Salem (eds.), *Circum-Mediterranean Geology and Biotic Evolution During the Neogene Period: The Perspective from Libya*. *Garyounis Scientific Bulletin, Spec. Iss.* 5:291-308.
- Boaz, N.T.** and R.L. Ciochon
2004 *Dragon Bone Hill: An Ice-Age Saga of Homo erectus*. New York: Oxford University Press.
- Boaz, N.T.**, R.L. Ciochon, Xu Qinqi, and Liu Jinyi
2004 Mapping and taphonomic analysis of the *Homo erectus* Loci at Locality 1 Zhoukoudian, China. *Journal of Human Evolution* 46:519-549.
- Boaz, N.T.** and R.L. Ciochon
2004 Brute of Dragon Bone Hill. *New Scientist* 182 (2443):32-35.
- Boaz, N.T.** and A.J. Almquist
2002 *Biological Anthropology: A Synthetic Approach to Human Evolution*. Upper Saddle River, NJ: Prentice-Hall. 2nd ed.
- Boaz, N.T.** and R.L. Ciochon
2001 The scavenging of "Peking Man". *Natural History* 110(2):46-51.
- Boaz, N.T.**, R.L. Ciochon, Xu Qinqi, and Liu Jinyi
2000 Large mammalian carnivores as a taphonomic factor in the bone accumulation at Zhoukoudian. *Acta Anthropologica Sinica*, Suppl. vol. 19:224-234.
- Boaz, N.T.** and A.J. Almquist
1998 *Essentials of Biological Anthropology*. Saddle River, NJ: Prentice Hall.
- Boaz, N.T.** and A.J. Almquist
1997 *Biological Anthropology: A Synthetic Approach to Human Evolution*. Upper Saddle River, NJ: Prentice-Hall. 608 pp.
- Boaz, N.T.**
1997 Calibration and extension of the record of Plio-Pleistocene Hominidae. In: *Biological Anthropology: The State of the Science*. 2nd edition. Eds. N.T. Boaz and L. Wolfe. Bend, OR: International Institute for Human Evolutionary Research, Pp. 25-52.
- Boaz, N.T.**
1997 *Eco Homo: How the Human Being Emerged from the Cataclysmic History of the Earth*. New York: Basic Books.
- Boaz, N.T.**

- 1996 Vertebrate paleontology and terrestrial paleoecology of Sahabi and the Sirt Basin. In: *Sedimentary Basins of Libya*, Vol. 1, ed. M. Salem. The Hague: Elsevier.
- Boaz, N.T.** and L. Wolfe (eds.)
1995 *Biological Anthropology: The State of the Science*. Bend, Oregon: International Institute for Human Evolutionary Research. 267 pp. (2nd edition 1997).
- Boaz, N.T.**
1995 Calibration and extension of the record of Plio-Pleistocene Hominidae. In: *Biological Anthropology: The State of the Science*. Eds. N.T. Boaz and L. Wolfe. Bend: IHER, pp. 23-47.
- Boaz, N.T.**
1994 Significance of the Western Rift for Hominid Origins. In: *Integrative Paths to the Past: Paleoanthropological Advances in Honor of F.C. Howell*. Eds. R.S. Corruccini and R.L. Ciochon. New York: Prentice-Hall, pp. 321-343.
- Boaz, N.T.**, P. Pavlakis, M. McDonnell, and J. Gatesy
1994 Early hominid environments in the late Pliocene of eastern Zaire: Analysis of the Senga 13B excavation. *National Geographic Research and Exploration* 10:124-127.
- Boaz, N.T.**
1993 Human origins. In: *Milestones in Human Evolution. Perspectives in Human Evolution*, Volume 6. Eds. A.J. Almquist and A. Manyak. Prospect Heights, Ill.: Waveland Press, pp. 141-166.
- Boaz, N.T.**
1993 *Quarry: Closing In On the Missing Link*. New York: Free Press/Macmillan
- Boaz, N.T.**
1992 Climate and evolution: First steps into the human dawn. *Earth* 1:36-43.
- Boaz, N.T.**, R.L. Bernor, A.S. Brooks, H.B.S. Cooke, J. de Heinzelin, R. Dechamps, E. Delson, A.W. Gentry, J.W.K. Harris, P. Meylan, P.P. Pavlakis, W.J. Sanders, K. M. Stewart, J. Verniers, P.G. Williamson, and A. J. Winkler
1992 A new evaluation of the significance of the Late Neogene Lusso Beds, Upper Semliki Valley, Zaire. *Journal of Human Evolution* 22:505-517.
- Boaz, N.T.**, Ed.
1990 *Evolution of Environments and Hominidae in the African Western Rift Valley*. Virginia Museum of Natural History Memoir No. 1. 356 pp.
- Boaz, N.T.**
1987 Sahabi and Neogene hominoid evolution. In: *Neogene Paleontology and Geology of Sahabi, Libya*. Eds. Boaz, N.T., et al., New York: Liss. Pp. 129-134.
- Boaz, N.T.**, A. El-Arnauti, A.W. Gaziry, J. de Heinzelin, and D. Dechant Boaz, Eds.
1987 *Neogene Paleontology and Geology of Sahabi, Libya*. New York: Liss. 401 Pp.
- Harris, J.W.K., P.G. Williamson, J. Verniers, M.J. Tappen, K. Stewart, D. Helgren, J. de Heinzelin, **N.T. Boaz**, and R.V. Bellomo
1987 Late Pliocene hominid occupation in Central Africa: The setting, context, and character of the Senga 5A site, Zaire. *Journal of Human Evolution* 16:701-728.
- Boaz, N.T.**

- 1985 Early hominid paleoecology in the Omo basin, Ethiopia. In: *L'Environnement des Hominidés au Plio-Pléistocène*. Ed. Coppens, Y. Paris: Fondation Singer- Polignac, Pp. 283-312.
- Boaz, N.T.**, and L.H. Burckle
1984 Paleoclimatic framework for African hominid evolution. In: Vogel, J.C., ed. *Late Cainozoic Palaeoclimates of the Southern Hemisphere*. Rotterdam: Balkema, Pp. 483-490.
- Boaz, N.T.**, D. Ninkovich, and M. Rossignol-Strick
1982 Paleoclimatic setting for *Homo sapiens neanderthalensis*. *Naturwissenschaften* 69:29-33.
- Boaz, N.T.**, and D.L. Cramer
1982 Fossils of the Libyan Sahara. *Natural History* 91:34-41.
- Boaz, N.T.**
1982 American research on australopithecines and early *Homo*, 1925-1980. In: *History of American Physical Anthropology, 1930-1980*. Ed. Spencer, F. New York: Academic Press, Pp. 239-260.
- Boaz, N.T.**
1982 Aspects of early hominid emergence. *Reviews in Anthropology* 9:313-319.
- Spencer, F., **N.T. Boaz**, M. Allen, and W.C. McGrew
1982 Biochemical detection of fecal hematin as a test for meat-eating in chimpanzees (*Pan troglodytes*). *American Journal of Primatology* 3:327- 332.
- Boaz, N.T.**, F.C. Howell, and M.L. McCrossin
1982 Faunal age of the Usno, Shungura B and Hadar Formations, Ethiopia. *Nature* 300:633-635.
- Cronin, J.E., **N.T. Boaz**, C.B. Stringer, and Y. Rak
1981 Tempo and mode in hominid evolution. *Nature* 292:113-122.
- Boaz, N.T.**
1981 History of American paleoanthropological research on early Hominidae, 1925-1980. *American Journal of Physical Anthropology* 56:397-406.
- Boaz, N.T.**
1977 Paleoecology of Early Hominidae in Africa. *Kroeber Anthropological Society Papers* 50:37-62.
- Boaz, N.T.** and J.E. Cronin (eds.)
1977 *Berkeley Papers in Physical Anthropology*. Berkeley, CA: Kroeber Anthropological Society Papers 50. 122 Pp.
- Boaz, N.T.** and A.K. Behrensmeyer
1976 Hominid taphonomy: Transport of human skeletal elements in an artificial fluvial environment. *American Journal of Physical Anthropology* 45:53- 60.
- Johanson, D.C., M. Spingaer, and **N.T. Boaz**
1976 Paleontological excavations in the lower Omo Valley, Ethiopia. In: *Earliest Man and Environments in the Lake Rudolf Basin*. Eds. Coppens, Y., F.C. Howell, G.L.I. Isaac, and R.E.F. Leakey. Chicago: University of Chicago Press, Pp. 402-420.

SELECTED HONORS AND AWARDS

- Outstanding Eagle Scout Award*, National Eagle Scout Association, National Capital Area Council, Washington, DC, 2024
- International Society for Evolution, Medicine and Public Health, Annual Meeting 2021, “Grand Challenges” in Aging Research, First Place (with Cynthia Beall, Molly Fox, and Jelena Filipovic)
- Virtual Library of Virginia (VIVA) Course Redesign Grant Program, “Biological Anthropology Open Source Textbook” \$9,700. 2020-2022
- American Association of Clinical Anatomists, Anatomical Services Award, 2018
- Beirne Carter Foundation - “Ultrasound Imaging System for Visualization and Measurement of Anatomical Structures and Fluid” \$10,000. 2015
- Outstanding Virginian Award, Colonial District, Exchange Club of Martinsville, VA, 2015
- Harvest Foundation of the Piedmont - “Active Learning in Medical Education: A Clinical Gross Anatomy Course Utilizing Soft-Embalmed Cadavers” \$10,000. 2013-14
- Dominica Council on Ageing, Commonwealth of Dominica, “Certificate of Appreciation in Recognition for your Contribution and Dedicated Service to the Dominica Council on Ageing” April 26, 2006
- “Noel T. Boaz Director’s Award” established in 2009 as annual award for service to the Virginia Museum of Natural History
- Shell Exploration and Production Libya GmbH “East Libya Neogene Research Project” Grants (3) ca. \$125,000. 2008-2010
- U.S. National Science Foundation “Revealing Human Origins Initiative” Grants (2) \$51,000. 2007-2009
- Ross University Faculty Research Grants, Various 2002-2006 (ca. \$50,000)
- Research Center of Excellence Award, George Washington University “International Institute for Human Evolutionary Research” 1992 (\$150,000)
- Meyerhoff Visiting Professor, Weizmann Institute of Science, Faculty of Chemistry (Environmental Sciences and Structural Biology), Rehovot, Israel, 1993-1994
- Fulbright Senior Research Fellowship – Université de Kinshasa, D.R. Congo 1983-84
- Presidential Fellowship, New York University 1980-81

SELECTED PRESENTATIONS AND INVITED LECTURES

- 2022 Invited Lecture – “Evolutionary Medicine: A New Paradigm for Biomedicine.”
University of Integrated Health, Florida City, FL [Virtual]

- 2021 Invited Keynote Address - "Proposal for a U.S.- India Post-Pandemic Medical Educational Partnership," 2nd International Universal Conference on "Multidisciplinary Research & Innovation," DHS Foundation, New Delhi, India [Virtual]
- 2021 "Evolutionary Medicine: Why Are You Normal?" Carilion Clinic Continuing Medical Education, 71st Annual Spring Symposium, Roanoke, VA [virtual]
- 2019 "The Anatomical Core Syllabus in an Evolutionary Medical Curriculum," International Federation of Associations of Anatomy, London, U.K.
- 2019 "Medical Anthropogeology of Prospective Uranium Mining in Virginia," Lyceum Lecture, Emory & Henry College, Emory, VA
- 2018 "Evolutionary Medicine of the Clinically Normal: Three Narratives of Temperature, Weight, and Blood Pressure." Clinch Valley Medical Center Fall CME Symposium, Medical Society of Virginia, Cedar Bluff, VA
- 2017 "Your Inner Neandertal." Virginia Ice Age Exhibition, Virginia Museum of Natural History, Martinsville, VA
- 2014 "Medical Geology and Uranium Mining in Virginia" Anthropology Colloquium Series, Virginia Commonwealth University, Richmond, VA
- 2012 "Australopithecines and Health." Australopithecine! Exhibit, Virginia Museum of Natural History, Martinsville, VA.
- 2010 "Evolutionary Medicine," Invited Lecture, University of Porto School of Medicine, YES Symposium, Porto, Portugal
- 2006 "Integrative Anatomy," Invited Presidential Lecture, American Association of Clinical Anatomists, Cleveland, OH
- 2004 "*Homo erectus* and Dragon Bone Hill," Invited Lecture, Royal Association, London, U.K.
- 2004 "Centenarians of Dominica," Dominica Council on Ageing, Dominica, West Indies [covered by BBC]
- 1999 "Forensic Anthropology of the Bosnia Project, Physicians for Human Rights," Invited Lecture to the German Medical Corps, Sarajevo, Bosnia
- 1992 "Quarry: Closing in on the Missing Link," Human Origins Symposium, George Washington University, Washington, DC
- 1988 "Recherche par le 'Semliki Research Expedition,'" Research Conference, Parc National des Virunga, Rwindi, Democratic Republic of the Congo [in French]
- 1983 "Early Hominid Paleoecology in the Omo Basin, Ethiopia," Symposium "L'Environnement des Hominidés au Plio-Pléistocène," Fondation Singer-Polignac, Paris, France

PROFESSIONAL AFFILIATIONS

American Association of Anatomy (Chair, Outreach Grants Committee 2008-2009; Chair, Embryology Sub-Committee, Anatomical Curriculum Task Force 2015-16)

American Association of Clinical Anatomists (Appointed Co-Chair, Outreach and Liaison Committee 2009-2010; Elected Member, Clinical Anatomical Terminology Committee 2018-2023; elected Deputy Chair 2023;)

American Association of Biological Anthropologists, 1976 - present

Consortium of Universities for Global Health, 2021 - present

Explorers Club (Fellow National 1982; ECWG Board of Directors 2023 – present; Member, Grants Committee; Awarded EC flag on Zairean and Libyan expeditions)

PROFESSIONAL SERVICE

Symposium/Workshop Organizer

2023 “Workshop on ‘Niveau Diagnosis’”. International Society for Medicine, Evolution and Public Health, Annual Meeting 2023, Irvine, California.

2021 “Generating and Testing Hypotheses in Evolutionary Medicine: Banning the Idiopathic.” International Society for Evolution, Medicine and Public Health Annual Meeting 2021 (Virtual)

1980 “History of American Paleoanthropology, 1930-1980,” Jubilee Symposium, American Association of Physical Anthropologists, Detroit, MI

Reviewer of Articles and Poster Abstracts for:

- Anatomical Record
- Clinical Anatomy
- American Association of Cloinical Anatomists
- American Association of Anatomy
- American Journal of Biological Anthropology
- African Journal of Earth Sciences
- Journal of Human Evolution