

December 2007

CURRICULUM VITA

Namulau‘ulu Gaugau Tavana
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EDUCATION

- 1994 Doctor of Philosophy, Brigham Young University, Provo, Utah.
Major in Educational Leadership and Foundations with Minor
concentration in Curriculum and Instructional Science.
Administrative endorsement, State of Utah, USA
- Dissertation: "Cultural Values Relating to Education in Western Samoa: A
Conceptual Analysis of the Perspectives of Samoan Social Leaders"
Won the Most Outstanding Award of the American Education Research
Association (AERA) in 1995
- 1987 Master of Education, Brigham Young University, Provo, Utah;
Curriculum Instructional Science, Major. Thesis: "Agent Motivation in the
Classroom."
- 1984 Bachelor of Science B.Sc. (cum laude) Brigham Young University, Provo,
Utah; Mathematics and Science Education.
- 1976 New Zealand Teaching Diploma (NZTC), North Shore Teachers' College,
Auckland, New Zealand.
- 1973 Western Samoa Teacher Certification, Western Samoa Teachers' College
(WSTC), Apia, Samoa

ACADEMIC AND PROFESSIONAL EXPERIENCE

- 1999- Director of Education, National Tropical Botanical Garden (NTBG),
Hawaii & Florida.
- 2005 - Adjunct Faculty Member - University of Hawaii at Manoa
- 1978- Independent consultant for translation and interpretation, leadership
development and training, instructional science, and assessment.

- 1995-1999 Director of Education, Church Educational System (CES), Samoa
Principal, Church College of Western Samoa (CCWS), Apia Samoa
- 1994- 1998 Chairman, Staff Development, National University of Samoa (NUS)
Adjunct Faculty Member, Brigham Young University, Hawaii Campus.
- 1994-1995 Director of Curriculum Development and Teacher Education, Samoa
- 1992-1994 Adjunct Faculty Member, Brigham Young University, Provo, Utah
- 1991 – 1992 Graduate Research Assistant, Educational Leadership, BYU Provo Utah
- 1987-1991 Principal, Church Education System Elementary Schools, Samoa
- 1987 – 1991 National Scholarship Committee Board Member, Ministry of Foreign
Affairs, Samoa
- 1987 – 1990 UNESCO Vaka Moana Project, Board of Director Member
- 1978-1984 Senior Advisor National Curriculum, DOE, Samoa and Australia
- 1977-1980 School Teacher, Ministry of Education, Samoa

PROFESSIONAL AWARDS AND HONORS

- 1995 American Educational Research Association (AERA), Division G: Social
Context of Education Most Outstanding Dissertation Award
- 1993 Member of the Phi Kappa Phi National Honor Society.
- 1993 Kennedy Center for International Studies Award, BYU, Provo, Utah
- 1992 National Association of Secondary School Principals (NASSP) Award
- 1987 Member of the Golden Key National Honor Society.
- 1984 Scholarship Award in Teaching English as Second Language (TESL),
Victoria University, Wellington, New Zealand.
- 1983 National Writing Scholarship Award, Natural and Social Sciences,
Australian National University, Canberra, Australia.
- 1981 National Writing Scholarship Award, Natural and Social Sciences,
McQuarrie University, Sydney, Australia.
- 1978-1979 Outstanding Teacher of the Year Award, Samoa

1974-1976 Academic Scholarship Award, Auckland, New Zealand

1973 Most Outstanding Graduate, Western Samoa Teachers' College

SELECT PROFESSIONAL PRESENTATIONS and PUBLICATIONS

Pacific Educational Conference (July, 2007). "Cultures and languages: A storehouse of traditional wisdom." Paper presented at the PEC Conference, University of Hawaii.

University of Hawaii, Hilo (June, 2007) "Advancing Knowledge for Agriculture, the Environment, Human Health and Well Being and Communities" Paper presented at University Conference

Lihue Kauai Hawaii Rotary Club (May, 2007). "Traditional wisdom is key to discovery of new medicine" Guest Speaker

Kauai Hawaii Business Community (April, 2007). "Leadership Training: Stewardship Model - Principles and Practices." Consultant/Instructor

Kauai Community College, University of Hawaii (April, 2007). "The science of ethnobotany and discovery of new medicine" Guest Lecture

Scouting Program Celebration Banquet (January, 2007). "Quality Leadership: Principles and Practices." Consultant/Instructor

University of Minnesota (January, 2007). "Drug discovery and pharmaceutical industry development" Guest Lecture

Eric J Buenz., Brent A. Bauer, Holly E Johnson, **Gaugau Tavana**, Eric M. Beekman, Kristi L. Frank and Charles L. Lowe (December, 2006). Searching historical herbal texts for potential new drugs *British Medical Journal* 333: 23-30

Family, School and Community Partnerships Workshop (Kauai, December 2006). "Growing People: Leadership in the 21st Century" Consultant/Instructor

Asia Pacific Leadership Program, East West Center, University of Hawaii (November 2006). "Voice of the Pacific Island Nations in the 21st Century." Guest Lecture

University of Portland (October 2006). "Bio-cultural conservation and village-based pharmaceutical industry" Guest Lecture

University of Portland (June, 2006). Tropical Ecology Expedition Course in Samoa Consultant/Instructor

University of Minnesota (January, 2006). "Village-based pharmaceutical industry in the Pacific Island Nations" Guest Lecture

Weber State University, Utah (April, 2004). “Multi-cultural education” Conference Main Speaker

Brigham Young University Hawaii (March 2004). “Education and politics” Guest Lecture

Tavana, G. (2005). High-leverage education at the National Tropical Botanical Garden *ASPB News* 32 (4): 19-21.

Valenti, J.M., and **Gaugau Tavana** (2005) Continuing Science Education for Environmental Journalists and Science Writers: In Situ with the Experts. *Science Communication* 27(2): 300-310.

University of California Los Angeles (UCLA) (November, 2005). Ethnobotany: Canoe plants of ancient Polynesia.”

University of Hawaii (October, 2005). “Standards-based and culturally relevant Science Curricula.”

University of Hawaii (October, 2005). “Examples of qualitative research: Using concept mapping to analyze data.”

“Kaua`i Healing Garden: Celebrating the multi-cultural medicinal plants of Kaua`i.” Kaua`i, Hawaii (April, 2005).

Kaua`i Community College (April, 2005). Ethnobotany: Plants use by ancient Polynesians.”

Brigham Young University Hawaii Honors Program (March, 2005). “Village-based pharmaceutical industry”

University of Minnesota Ethnobotany Course, (January, 2005, Kona) “Drug discovery in Samoa: Bio-prospecting, Intellectual Property Right and Benefit Sharing Activities.”

Brigham Young University Hawaii Undergraduate Research Conference (November, 2005). “Indigenous knowledge is key to drug discovery.”

Ragone, D., **Gaugau Tavana**, Jon Stevens, Patricia Stewart, Paul Mathew, Paul Alan Cox (2004). “Nomenclature of breadfruit cultivars in Samoa: saliency, ambiguity, and monomiality.” *Journal of Ethnobiology* 24(1) spring/summer 2004.

Paper presented at the National Association of Research Science Teachers (NARST), Vancouver, Canada, (April 2004). “Invigorating Introductory Biology Teaching at the University Level”

Kaua`i Parents and Teachers Association - "Celebrating the Family: Socio-economic and cultural implications on the family." Sheraton Hotel, Kaua`i, Hawaii (April 2004).

Weber State University, Logan, Utah, (March 2004). "Traditional Knowledge: the basis of Modern Scientific Discovery."

The Kampong, Florida Physicians' Course (January 2004). "Kava and pharmacology"

University of Minnesota, (January 2004 in Hilo) "Drug discovery in Samoa: Intellectual Property Right and Benefit Sharing."

University of Hawaii, Kava Conference, Lyon Aboretum (2003) "Kava and liver problems: study of Samoan kava users."

Tavana, G.. Paul Alan Cox, Diane Ragone, Sarah Snyder, Joan Borel and Kerisa Fredrickson, (2003) "Lack of evidence of Kava-related hepatotoxicity in native populations in Savaii, Samoa." *Herbalgram the Journal of the American Botanical Council*, vol. 59, pp. 28-32.

National Association of Biology Teachers (NABT) (2003 in Honolulu) "Invigorating Introductory Biology Teaching at the Freshman Level"

University of Minnesota (July 2003 on Maui) "Polynesian medicine: issues of intellectual property right, bio-piracy, and bio-prospecting."

Science Teachers' Training in Hawaii (July, 2003). "Traditional knowledge systems and sustainable development of natural resources"

College Professors' Course in Hawaii (July, 2003). "Promoting higher level thinking skills in introductory biology teaching"

National University of Samoa (September 2002). "Ethnotaxonomy of breadfruit varieties in Samoa"

Tavana, G. (2002, No. 3, pp. 11-14). "Traditional knowledge is the key to sustainable development in Samoa: examples of ecological, botanical and taxonomical knowledge." *Samoa Environment Forum: Proceedings of the National Environment Forum, 2001.*

State of Hawaii Teachers' Association (2001) "Intrinsic motivational practices in the classroom"

Hawaii State Parent Teacher Association, Hawaii (2001) "Family is Key to Successful Education."

Hawaii State Partnership in Learning, Honolulu (2001): "Cultural Values and Learning."

Tavana, G. (February 2001). “The gifts of the Taulasea” Odyssey Adventures in Science Museum of Science, Boston, Massachusetts, (2001) “Natural Mystery: a replica of Lawai Kai, Hawaii.”

Tavana, G. (January 2001). “The passing of plants, peoples and cultures” Plant Talk: the bulletin of the National Tropical Botanical Garden, Issue 24, p. 6.

Windward School District Second Language Learners (2000) “Ownership: Teaching & Learning”

Kaumuki School District, Oahu, Hawaii (2000) “Motivation: the Key to the Learning Process.”

National University of Samoa History Seminar Series, Apia (April 1997). “Samoa Culture and its Implication on Education”

Tavana, G., Steven I. Hite, and E. Vance Randall (January 1997). “Cultural values and education in Western Samoa: tensions between colonial roots and influences and contemporary indigenous needs.” International Journal of Educational Reform, Volume 6, No. 1

National University of Samoa Apia (May 1996). “Educational Development of Samoa”

National Registered Nurses’ Association of Samoa, (Sept.1996) “Role of the Family in Health Education”

National Health for School Promotion Program (Oct. 1997) “The Model School in Health Education”

Western Samoa Teachers’ College Celebration of World Teachers’ Day (1996) “Learn to teach, teach to learn.” Guest speaker

PROFESSIONAL SERVICE

2004 - Hawaii Tourism Authority: ‘Healing in Paradise’ – Networking and Planning Board, Member

2001- Department of Education/University of Hawaii, Advisory Board of Directors for the Career and Technical Education, Member.

2002-2006 Ho’ike Television Community Education Program, Vice President

1999– University of Hawaii and National Tropical Botanical Garden, Memorandum of Understanding Liaison

- 1999-2004 Board of Trustees of the Foundation for the Advancement of Science Education in Samoa, Council Member
- 1996-1999 National University of Samoa (NUS) Professional Development Leave, Committee Chairman
- 1996-1999 National University of Samoa (NUS) Advisory Council, Member
- 1995-1999 Government of Samoa Staff Training and Scholarships Committee, Ministry of Foreign Affairs, Member
- 1995-1997 Samoa Post-Primary Principals' Association (PPPA), President
- 1994-1999 UNESCO Vaka Moana National Committee, Member
- 1994-1999 Strategic Planning National Committee, Educational Reform, Ministry of Education, Member
- 1981-1987 National Curriculum Committee Samoa Ministry of Education, Australian National University, Canberra, Senior Author
- 1974 Western Samoa Teachers' College, Student body President

COMMUNITY SERVICE

- 2007- Alexander & Baldwin Properties Inc. Advisory Board for Community Planning, Member.
- 2003- Adopt a School Initiative, Island of Kauai, Hawaii USA Member.
- 1999- Brigham Young University Alumni Association, Kauai, Hawaii Chapter, Chairman
- 2001- Polynesian Festival Council of Kauai, Hawaii, Member
- 1999 – 2005 LDS Church, Kauai, Hawaii Stake, High Council Member
- 1998-1999 Samoa National Public Affairs Committee, Chairman.
- 1998-1999 Samoa Rocket Football Association Vice Patron.
- 1997 Oceania Area Athletic Championship, Suva, Fiji, Manager
- 1996 - 1998 LDS Church, Pesega Samoa Stake, President.
- 1995-1998 Samoa National Health Association Committee, Member.

1995-1997	Pesega Samoa Veterans' Tennis Association, President.
1987-	Holder of Samoan Oratory Chiefly Title Namulau'ulu
1982-1984	Western Samoa Volleyball Association, President
1981-1984	International Volleyball Referee Certification, Member
1981-1984	Western Samoa National Volleyball Team, Player
1983	South Pacific Games Organizing Committee, Member