

ISE Newsletter

April 2009, Volume 8, Issue 1



Dear ISE Members and Readers of our Newsletter

Sadly, this special issue of the ISE Newsletter is dedicated to the memory of Prof. Nina Etkin, Hawai'i. On January 27, 2009 she passed away at the still very young age of 60 years after a long battle with cancer. Nina has been very important to our Society's development and instrumental in strengthening our dialogue on biocultural research in ethnopharmacology. Of course she has also left an important mark in the broader development of ethnopharmacology. This ISE newsletter is dedicated to Nina, her life and scholarly achievements.

We have asked her partner, her friends, colleagues, former PhD students and ISE Board members to contribute a personal or more scholarly recollection. Wonderful stories, personal accounts, scholarly analyses and confessions illuminate her life and work showing a most impressive person and friend.

We are very sad to have lost a warm-hearted friend, an excellent adviser and a genius scientist. Nevertheless, we are all very happy that we had the opportunity to meet Nina personally or through her academic work, to have been influenced by her ideas. We are all convinced that her studies will continue to influence the community of ethnopharmacologists, which will hopefully continue to develop and grow.

Just a few years ago when we were still writing letters (and not only emails), a letter from Nina always contained some pressed flowers, very often bougainvilleas. This message in a message from a friend and colleague had a lasting impact on many. We hope that the recollections of friends and colleagues assembled here may serve as a bouquet of flowers celebrating her life and achievements.

With our best regards,

Barbara Frei Haller and Michael Heinrich
Editor and Co-Editor, ISE Newsletter

Obituary

Nina L. Etkin, June 13, 1948 - January 27, 2009

Nina L. Etkin, 60, Professor of Anthropology at the University of Hawai'i, died in Honolulu, on January 27, 2009, of cancer. Nina was born in New York City, earned the BA in Zoology at Indiana University, and began graduate studies in Anthropology in 1970 at Washington University-St. Louis, where she received the MA in 1972 and the PhD in 1975.

Her early research emphasized the biocultural dimensions of health, beginning with her Ph.D. dissertation, which explains the biochemical basis of protection against malaria infection that is afforded by an inherited enzyme (G6PD) deficiency. She also explored the evolution of population variability, epidemiology, and health through studies of sickle haemoglobin and malaria; ABO blood groups and infectious diseases; and the intersection of diet, genetics, and daily activity patterns in the expression of hypertension.

Her postdoctoral research evolved into a multi-decade study of Hausa health, diet, and medicine in northern Nigeria, through which she broadened her theoretical perspective to work at the interface of biology and culture. Her husband, Paul Ross, was an integral element of her Hausa research. She is best known for her pioneering work on the pharmacologic implications of plant use, especially the interrelations between medicine and food, and the cultural constructions of health and physiologic implications of people's health-seeking actions. In a later trajectory of

ethnomedical inquiry Nina began research on the use of complementary and alternative medicines (CAM) in Hawai'i. Her studies revealed that the uses of CAM are not only for preventive and therapeutic actions, but also are statements about what it means to be sick and who has access to the knowledge and substance of cure.



In sum, Nina's biocultural medical anthropology research raised questions about explanatory disease models and healing paradigms, 'irrational' drug use, agency and authority in identifying drug actions as primary or side effects, the overlap of medicine and food, physiological outcomes of self- and specialist-care, physician-driven and patient-augmented polypharmacy, syncretic models of health care, gauging therapeutic efficacy, and the cultural construction and social negotiation of medical knowledge.

Beginning early in her career, Nina has published extensively across a range of

disciplines. Her most recent book is *Edible Medicines: An Ethnopharmacology of Food* (2006). At the time of her death another book was in production, *Biocultural Perspectives on Food, and Beverages, and Association* and another in process, *An Ethnobiology of Darwin's Gardens*. Her research has been funded by the National Science Foundation, National Institutes of Health, Social Science Research Council, National Endowment for the Humanities, Fulbright, American Heart Association, National Geographic Society, and several private foundations and university sources.

Nina Etkin's first academic position was at the University of Memphis (1977-1979). She joined the Anthropology faculty at the University of Minnesota in 1979, and the University of Hawai'i in 1990. At UH, she served for many years as Graduate Chair and briefly as Department Chair, with strong contributions to college and university governance. She chaired dozens of anthropology PhD and MA committees, mentored extensively outside of anthropology, and served as external reviewer at both the graduate and faculty levels. Her CV lists about 130 publications, including 28 (three of them books) since she became ill about 4 years ago. Her accomplishments were recognized through the prestigious Regents' Award for Excellence in Research, and college teaching and merit awards. She had only recently learned that she was to be awarded the Distinguished Economic Botanist award at the Society for Economic Botany meetings in June, 2009, in Charleston,

SC, USA, at which occasion the Society will celebrate her life and career.

Among her many colleagues she will also be remembered because of her great dedication to scholarly work, her enthusiasm for critical dialogue and her quiet but determined personality. Her research greatly improved our understanding of how people understand and use what we commonly call medicine and food: *Food as medicine and medicine as food*. Nina travelled extensively, many of the trips centering on invitations to present plenary addresses and serving on the scientific boards of international conferences. She was a Fellow of the Linnean Society of London and past President of the International Society for Ethnopharmacology. She was editor-in-chief of one academic journal, associate editor of 3 others, and served on the editorial boards of another ten.

Outside of her professional accomplishments, Nina was passionate about hiking, botanizing, and pet dogs. She is survived by her husband and research partner, Paul Ross; three sisters, a niece, two nephews, and their families; and a golden retriever.

Donations may be directed to the American Civil Liberties Union (ACLU) or to the Nina L. Etkin Memorial Fund, which has been established to support graduate students: <http://www.anthropology.hawaii.edu/News/Announcements/2009/Etkin/index.html>

*by Nina Etkin,
lightly edited by Elaine Elisabetsky,
Michael Heinrich, and Dan Moerman*



.... There is grandeur in this view of life.....

Like any creative artist, Nina Etkin recognized no boundaries between what she did and who she was. She was a full-time scholar – always learning, exploring, instructing -- punctuating her conversations with "Did you know?" or "Isn't that interesting?" or frequently breaking stride to scribble kernels of ideas in a notebook that was never far away. She marvelled at the nuances of language and the intricacies of science, always looking for order, reorder, association, and pattern.

She was never at ease with the boundaries of academic disciplines and got fidgety when faced with routine and comfort. For her, there was little leisure, only the constant joy of doing what she loved. She was reserved and diffident and yet quietly confident. As a public person, Nina was self-deprecating and modest but when alone and private, she "knew what she knew." She was always uncomfortable with the ebb and flow of social gatherings but gained vitality from heartfelt discussion, especially when centred on novel assaults to "the establishment", academic or otherwise. She disliked the formal and indiscriminate exercise of classroom teaching, but enthusiastically mentored those who demonstrated commitment and focus. Always sparing with her compliments, Nina was never more pleased than when her students succeeded. She was earnest -- even reverent -- about her calling but could not talk about what she did without drawing on a dry, deadpan, or even sardonic wit.

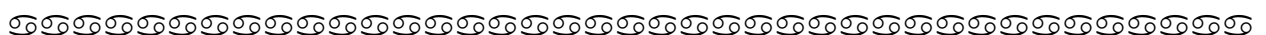
A terminal diagnosis five years ago was not a signal for her to slow down but a call to accelerate. With the end near, she was a whirlwind: finishing a book, cleaning up and organizing her files, cataloguing her

library, enthusiastically rekindling a love for the writings of Darwin, administering and advocating as her department's Graduate Chair, taking her beloved golden retriever for his daily walk, keeping her Vitae always current, and, yes, writing her own obituary. She loved her life and died too soon. She was my best friend for nearly 40 years and not nearly long enough.



Finally, a colleague reminded me of these words of Darwin: "It is interesting to contemplate an entangled bank, clothed with many plants of many kinds, with birds singing on the bushes, with various insects flitting about, and with worms crawling through the damp earth, and to reflect that these elaborately constructed forms, so different from each other, and dependent on each other in so complex a manner, have all been produced by laws acting around us... There is grandeur in this view of life...." With all certainty, these words would elicit from Nina a sympathetic smile.

Paul Ross



Our world is better off because she inhabited it

In August 1995 I joined the Anthropology program at the University Of Hawai'i as an assistant professor. One of the more substantial changes I experienced in joining the faculty involved meeting Professor Nina L. Etkin. The month before I moved to Honolulu, a senior colleague in the department had warned me with a chuckle (and some appreciation) that Nina was a "tough Russian." Upon meeting, she was cool but collegial; she was also



Nina Etkin received the Excellence in Research award from the university system in 2001. (l-r): Jim Bayman, Terry Hunt, Nina Etkin, Geoff White, Chris Yano, and Miriam Stark

intimidating. Our relationship really began after I learned, following her student advisees' cue, to call her "Dr. Etkin" and after I became enamoured of her large dog companion Solly. For more than 13 years, Nina and I worked together in various capacities on departmental governance and as committee members for shared students; we lamented over troubled students, we celebrated other students' victories, and we cut losses where we had to. During this process we gradually became friends---tentatively at first because of age, temperamental, and subdisciplinary differences. Nina couldn't resist cracking snide jokes about archaeologists (I countered in kind about cultural anthropologists) and we lobbed

occasional commentary about the madness of our daily lives. We were, in some senses, kindred spirits. Our departmental correspondence transformed as we began to socialize (always more comfortably on the hiking trail than in a restaurant setting). And throughout this process I grew to appreciate what my colleague had described as a "Russian" quality in Nina; she had consistently

high academic standards, she held high expectations of her colleagues, and made constant demands on herself. Nina's gruff exterior belied a deep empathy and

appreciation for others, evidenced in the flowers and cards she distributed and in her participation with me in various personal projects to reward and assuage friends and colleagues. She also extended that care to me during times of loss, and also during the five years in which we lived with knowledge of her illness. Words cannot convey the essence of "Dr. Etkin," her dry banter, her wry smile, her love of nature and many things animate, and her passion for this academic world. Our world is better off because she inhabited it, and her legacy will continue beyond all of us.

*Prof. Miriam T. Stark, Archaeologist
Department of Anthropology
University of Hawai'i at Manoa*



In remembrance of Nina Etkin as academic mentor and friend

From Jeremy Spoon

Dr. Nina L. Etkin was my academic mentor and an integral part of my professional development. Many are aware of her work in linking biological and cultural factors to studies on human health in Nigeria and beyond. Instead of focusing on the significant importance of her work in that area, I intend to briefly comment on her influence on my research in environmental anthropology. I completed my PhD in May 2008 at the University of Hawai‘i at Manoa under her supervision. My dissertation, entitled *Tourism in a Sacred Landscape: Political Economy and Sherpa Ecological Knowledge in Beyul Khumbu/Sagarmatha (Mount Everest) National Park, Nepal*, focused on how certain political and economic drivers influence Khumbu Sherpa sense of place. Dr. Etkin provided me invaluable guidance in various areas that are not typically associated with her academic work. She was an exemplary anthropologist – her high standards facilitated quality research no matter what the topic, rooted in extended field-stays and the ability to speak a local language. The research design and methods that Dr. Etkin endorsed included adequate sample sizes, triangulation of sources, and linked quantitative and qualitative techniques, as well as survey research. In the domain of traditional/local ecological knowledge (TEK), she demanded a systematic

and informed lens on knowledge, spiritual perspectives, and practices, as well as the physical landscape. Her influence pushed me to engage TEK on various overlapping levels, including botanical, mammalian, and avian species, place-based spirituality, and landscape. Finally, Dr. Etkin encouraged me to search for the influence of various past and present political and economic forces on human-environment relationships. In my research, these drivers of change included market integration through tourism, the advent of a protected area, Western-style education in non-local languages, and ten years of civil war and a subsequent political revolution. My research benefited in many ways from her mentorship, which has made me a more holistic and innovative environmental anthropologist. In Dr. Etkin’s memory, it is my honour to continue the lineage of her work not just on the bio-cultural factors influencing human health, but also applied to the discourse on ecological knowledge and its relevance to environmental sustainability.

*Jeremy Spoon, PhD
Assistant Professor
Portland State University*

PhD Thesis:
Spoon, J. (2008) *Tourism in a Sacred Landscape: Political Economy and Sherpa Ecological Knowledge in Beyul Khumbu/Sagarmatha (Mount Everest) National Park, Nepal*. PhD, University of Hawaii at Manoa.



The four students who received their PhD in Anthropology under Nina Etkin at UH- Manoa in May 2008. From l- r: Jonathan D. Baker, Jessica Busch-Sipos, Nina Etkin, Jeremy Spoon, and Heather McMillen



From Jonathan D. Baker

Professor Nina Etkin served as my academic advisor and chaired my PhD committee. I could not have asked for a better mentor, and I consider moving to Hawai'i to work with her as one of the wisest and most fortuitous decisions I have ever made. The academic rigor and excellence of her work set a high standard towards which I aspire. Her advice and guidance at all stages helped improve my research to a great degree, and also helped me maintain my sanity during the long PhD process.

Nina loved what she did, and through her inquisitive enthusiasm she blurred the distinction between work and play. My favourite memories of her illustrate the intellectual curiosity that infused her life and work. We shared a passion for hiking, and for collecting interesting plant matter (seeds, pods, flowers, etc.) on our journeys. On the trail together, intellectual discussions were interspersed with keen observations of our surroundings; we frequently botanized along the way.



In Nina Etkin's office, on the windowsill: a Kew Gardens coffee mug, converted into plant habitat. Diamond Head crater in the background on the left.

When Nina would fly to the mainland US during autumn, she would collect maple leaves for me, knowing that I missed the changing seasons in Hawai'i. Correspondence from her nearly always included dried *Bougainvillea* flowers in the envelope. In turn, I gave her unusual seeds I had collected. Sometimes, she would throw some of these into the soil of one of her potted plants, to see if they would grow in her office. The sword bean (*Canavalia gladiata* (Savi) DC.) was particularly successful. Its giant cotyledons loudly scattered dirt a few feet when they

emerged, and for several months the vine climbed around her office windowsill.



A collection of beakers filled with seeds that resided in the office. (Photo: Pam Runestad).

This enthusiastic appreciation was also at the heart of her academic work. A few months ago, when I stopped by her office, she ushered me in and excitedly showed me materials she was gathering on insectivorous plants for a section in her next book. As would be expected, her research was meticulous and thorough. But what I remember most fondly is how happy she was sharing what she had found with me: "Look at this one. Isn't this interesting?"

I deeply appreciate Nina's academic and professional mentoring. But I am most thankful to her for sharing her inquisitive approach to the world. Her attitude of enthusiasm and excitement remains with me, and I look forward to conveying it to my students.

*Jonathan D. Baker, PhD
Lecturer, Department of Anthropology
University of Hawai'i at Manoa*

Joint Publications:

Etkin N.L., J. D. Baker and J. N. Busch. (2008) Cultural factors influencing therapeutic practice." In *International Encyclopedia of Public Health*, Vol 2. Kris Heggenhougen and Stella Quah (eds.) San Diego: Academic Press. pp. 56-59.

PhD Thesis:

Baker, J.D. (2008) Kava Tradition and Toxicity: Local and Global Discourses about the Use and Safety of *Piper methysticum* G.Forst. (Piperaceae), an Indigenous Botanical Undergoing Pharmaceuticalization. PhD, University of Hawaii at Manoa



From Heather L. McMillen

Professor Etkin's supervision style combined tough love and unconditional love. Her tone was all business. Her expectations were very high and never compromised. At the same time, she was an unwavering supporter, remarkable editor, and effective motivator. She always came through for me. I always wanted to come through for her, too.

Her quiet example of incredible scholarship motivates me tremendously. Instead of imposing her interests, she always encouraged me to move forward with my own ideas...even when they may not have been purely my own. More than once I experienced the excitement of being "onto something new" and when I began to develop the idea, would find myself reading an article she had written 20 years prior that explained the same thought, only in a more eloquent way. Maybe it didn't occur to her to remind me of that particular article, or maybe she thought I should discover it on my own. It actually seemed not to matter to her. She wanted me to experience the process of growth and discovery. Getting credit for it was irrelevant to her. The magnitude of Nina Etkin's scholarship is matched only by the acute degree of her humility.

Indeed, scholarship was her passion. She was tireless, thorough, and fierce. Nothing held her back--especially not cancer. I remember hearing another student's response to the news, "Oh, *pooor* cancer. It has another thing coming!" Everyone knew better than to cross Professor Etkin. Stupid cancer, didn't it know better? We knew she would teach it a thing or two...and she did. She also continued to teach us. She remained active, hyper-productive, and engaged with her students for years until she was finally admitted to the hospital last January.

Unrestrained by disciplinary boundaries or by the false dichotomy of theoretical and applied work, Nina has made a difference in this world. Although her career was within the academy, the questions she chose to pursue were based on real world problems. Her work has, therefore, not only shaped ethnopharmacology, medical anthropology, and ethnobiology; it has also informed international public health,

conservation, and development. Many of her students have gone on to work in these fields. Others continue in the academy. I think I can speak for us all when I say that we recognize how special it has been to work with her and that we are motivated to follow her example and make a difference in this world.

*Heather L. McMillen, PhD
Affiliate Researcher,
People and Plants International*



*Noni flowers and fruit: Morinda citrifolia L.
Rubiaceae*

PhD Thesis

McMillen, H. L. (2008) *The Roots of Trade: Local Ecological Knowledge of Ethnomedicines from Tanga, Tanzania Markets*. PhD, University of Hawaii at Manoa.

Joint Publications:

Dixon, A. R., H. L. McMillen, and N. L. Etkin (1999) Ferment this: the transformation of noni, a traditional Polynesian medicine (*Morinda citrifolia*, Rubiaceae). *Economic Botany* 53(1):51-68.

Etkin, N. L. and H. L. McMillen (2003) *The Ethnobotany of Noni (Morinda citrifolia L., Rubiaceae): Dwelling in the Land between La'au Lapa'au and TestiNONIals*. 2002 Hawai'i Noni Conference, Hilo, Hawai'i, 2003, pp. 11-16. College of Tropical Agriculture and Human Resources, University of Hawai'i, Honolulu.



From Lisa X. Gollin

My dissertation acknowledgements state, “I would like to express my warmest appreciation to my Ph.D. principal advisor, Prof. Nina Etkin, a scholar and a gentlewoman if ever there was one. She elevated my understanding of ethnopharmacology and provided mentorship far beyond my expectations. On a personal note, I recall reading one of her (many) letters on a heart-pounding, bumpy plane ride to Samarinda. As my plane repeatedly dipped into the brown haze hanging over Kalimantan [in 1997 Borneo was ablaze with wildfires], her pithy and instructive letters kept my spirits aloft. This, as T.G.D. (The Good Doctor) knows, is an appropriate metaphor for her steadfast and encouraging role in the wild ride of my graduate career.”

That was in 2001. Since, my dear professor cum friend has been my regular hiking and, in recent years, walking companion (at a shockingly rapid clip, mind you).



After Lisas comprehensive exam. Ninas comment to this picture: "Seperated at birth?"

“You can sleep after you get your PhD,” was Nina’s response to my exclamation of exhaustion one day copying a stack of assigned articles and threatening to climb on top of the warm, humming copy machine and fall asleep. She saw in me more than I realized in myself, urging me early in my graduate career to present at conferences, pursue major grants and publish.

In 1995 Nina and I travelled to Maluku, Indonesia to conduct pilot research on ethnomedicine. I had a history of researching in Indonesia. It was luxurious to have her fine mind by my side—an incredible opportunity for exchange and shared insights. She provided

a deeper understanding and vocabulary to express observations I made in the past about Indonesian plant-therapies—stray bits of datum with no theoretical connective tissue.

With six weeks in the field and our mutual distaste of rapid assessments, tirelessly we tracked down people to interview. One pitch-black night we took a path leading out of Lohiatala village, our footing uncertain, aided by a failing flashlight. We came to a bend in the road where a tree was so dense with fireflies it cast a lunar glow across the land, momentarily knocking us off our mission, then providing the light needed to direct us to the farmer’s home.



I am forever touched and honoured by Nina’s contribution to my life. Next to an altar in memory of my father’s life I have a new one—a photograph of Nina in her office gazing at then puppy, Musa. Long black hair cascading down her back, the photograph surrounded by the seeds, pods and Job’s tears (*Coix lachryma-jobi*) she often collected on trails. I miss her terribly.

*Lisa Gollin, PhD (by way of NLE)
Projects Director, Cultural Impact Studies
Cultural Surveys Hawai’i Inc.*

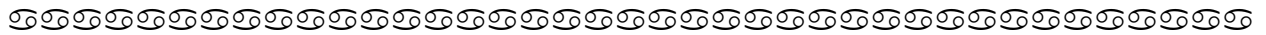
PhD Thesis:
Gollin LX. The Taste and Smell of Taban
Kenyah (Kenyah medicine): An Exploration of



Chemosensory Selection Criteria for Medicinal Plants among the Kenyah Leppo` Ke of East Kalimantan, Borneo, Indonesia. Department of Anthropology, University of Hawai`i at Manoa, 2001.

Joint Publication:

Etkin, N.L., L.X. Gollin, D. Binnendyk, and H. Sospelisa. (1998) Ethnomedicine in Maluku, Eastern Indonesia. *Cakalele* 7:33-50.



In Memoriam

Nina was such a wonderful person and a gracious lady. I knew her when she was a student since Walter (Lewis) was on her Ph.D. committee at Washington University. We shared an interest in West Africa; particularly since we both knew Nigeria. Later on when she was editing several books I was pleased to be a contributor to a number of these. Both Walter and I were pleased to see how well she was admired by her peers and all the many important contributions she made to her profession. We will miss her as we are sure she will be missed by so many of her colleagues and friends.

Sincerely,
Memory Elvin-Lewis
Professor of Biomedicine in
Microbiology and Ethnobotany
Washington University. St. Louis



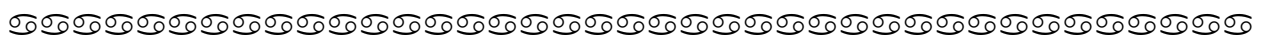
Photo: <http://record.wustl.edu/archive/2001/05-18-01/index.html>

Prof. Memory Elvin-Lewis

Joint publications:

Elvin-Lewis M. (1986) Therapeutic rationale of plants used to treat dental infections. Chapter 3, 46-69. In Etkin, N. L. *Plants used in Indigenous Medicine and Diet*. Redgrave Publishers, South Salem, NY

Elvin-Lewis M. (1983) The antibiotic and anticariogenic potential of chewing-sticks. Chapter 11: 201-220. In *The Anthropology of Medicine*, Romanucci-Ross, L., Moerman, D. and Tancredi L.R. (eds). Praeger Publications, New York.



Concepts foreshadowing global developments with important health and social implications

Nina Etkin presented a version of her 1982 paper "Food as medicine and medicine as food: an adaptive framework for the interpretation of plant utilization among the Hausa of northern Nigeria" at the Society of Ethnobiology at the University of Missouri in

March 1981. She spoke immediately before me, but any pre-stage nervousness I felt was superseded by an overwhelming exhilaration and sense of intellectual empowerment at having just understood the implications of my own upcoming presentation. Although we hadn't yet met, Nina had marvellously articulated the defining theme for much of my subsequent scientific career.

From that point we both recognized an intellectual affinity that we nurtured over the



years in various modes, from conversations to symposia to chapters, including those in the seminal books Nina edited, *Plants used Indigenous Medicine and Diet: Biobehavioural Approaches* and *Eating on the Wild Side: The Pharmacologic, Ecologic and Social Implications of Using Noncultigens*. These volumes were initiated, encouraged and expertly edited by Nina in a manner that generously amplified all of her colleagues. With each being greater than the sum of the component chapters, they were very much held together by the scope of Nina's multi-disciplinary vision and ideas. Although the books were well-received when they appeared, the better indicator of their magnitude is over time how influential they remain. While I personally continued to learn from these collective efforts, in my mind they were most authentically the fuller elaboration and logical outcome of the magical 1982 paper.



Prof. Tim Johns

While Nina's research and professional outputs were initially motivated by pure scientific inquiry and directed at a largely academic audience, they embodied concepts that foreshadowed global developments with important health and social implications. Nina's work provided an important

explanatory framework for the explosion of interest in and use of dietary supplements and functional foods that emerged in the 1990's. Our 1998 paper on this topic "Pharmafoods and Nutraceuticals: Paradigm Shifts in Biotherapeutics" gives me particular pride, partly because of the understanding we were able to articulate, but most markedly as a co-author with a friend who inspired me so profoundly on one first occasion, and then time and time again.

*Prof. Timothy Johns
School of Dietetics and Human Nutrition
at McGill University,
Montreal, Québec, Canada*

Reference:

Etkin, N. L. and P. J. Ross. (1982) Food as medicine and medicine as food: an adaptive framework for the interpretation of plant utilization among the Hausa of northern Nigeria. *Social Science and Medicine* 16:1559–1573.

Etkin, N.L., ed. (1986) *Plants in Indigenous Medicine and Diet: Biobehavioural Approaches*. Gordon and Breach Science Publishers. New York

Etkin, N.L., ed. (1994) *Eating on the Wild Side: The Pharmacologic, Ecologic, and Social Implications of Using Noncultigens*. University of Arizona Press. Tucson, Arizona

Joint publication:

Etkin, N.L. and T. Johns.(1998) Pharmafoods and nutraceuticals: paradigm shifts in biotherapeutics. In *Plants for Food and Medicine*. H.D.V. Prendergast, N. L. Etkin, D.R. Harris, and P.J.Houghton, eds. Pp. 3-16. Royal Botanic Gardens Press. Kew, England.



Encouraging student involvement in the ISE

I met Nina at the 2000 ISE congress in Zurich, my first international conference as a first-year Master's student. I was shy and intimidated by the big names of ethnobotany whose book and articles I had studied, yet Nina made me feel

welcome and treated me as a colleague rather than a student. When the ISE general meeting took place, I had recommended that the post of student representative be created on the executive board. Nina was the first to support the idea and nominated me for the position. Nina and my supervisor Timothy Johns had collaborated on numerous projects in the past and she once referred to him as her academic



brother. To have her backing at such an early stage in my academic career filled me with pride and honour, powerful sentiments that hearten a young researcher's resolve to continue along the path. Nina always encouraged student involvement in the ISE and suggested that I write a column discussing the difficulties endured by students studying multidisciplinary sciences such as ethnopharmacology, and having to frame their work inside the strictly defined disciplinary boundaries of university departments. The following year, Nina helped organize the unforgettable Building Bridges with Traditional Knowledge II in Honolulu, a conference I dreamed to attend but was unlikely to because of prohibitively expensive airfare from Montreal. The epitome of my respect and admiration Nina occurred when she suggested I present my review on student struggles in ethnosciences at the conference, and as an invited speaker, would have airfare and accommodation provided for. My gratitude was beyond measure and the experience I had was one of the best. When I saw her at subsequent conferences, I always thanked her for that opportunity.

I am truly sad and disappointed that I will not have another opportunity to see Nina. I would've liked to tell her that from just the few conversations we've had together, she was an inspiration and role model. I can only imagine what kind of influence she must have had on all the grad students and colleagues that

worked more closely with her. My deepest sympathies to her friends and family.

*Patrick Owen, Ph.D.
School of Dietetics and Human Nutrition
McGill University
Montreal, Québec, Canada*



Patrick Owen in Papua New Guinea (2005) interviewing traditional healers on the plants they use to treat symptoms related to diabetes.

Owen P. L. (2001) Graduate studies in ethnopharmacology: bridging the intellectual chasm between the natural and social sciences. *ISE Newsletter* 1(1): 8.

Owen P. L. (2001) Graduate studies in ethnopharmacology - building bridges between disciplines. Building Bridges with Traditional Knowledge II, Honolulu, Hawai'i, USA, 28 May – 1 June, 2001.



Reminding us what the discipline is all about

I have often heard that contacts are perhaps the most relevant benefit one gets from attending scientific congresses. In the astounding city of Strasbourg, way back in 1990, I was by chance sitting next to Nina Etkin when Laurent Rivier was listing candidates for the first ISE board, the society just born. He mentioned the importance of having an anthropological view in Ethnopharmacology issues and proceeded with the call for names. I readily raised my hand and proposed the name of Dr. Darell Posey. Dr. Rivier politely pointed out we had Prof. Nina Etkin in the audience, and following

his sight I found Nina (with Paul next to her) with her hand midway in the air, but timidly bouncing her head signalling she would accept the nomination. Apologetics, therefore, were my first words to Nina when I had the chance to introduce and excuse myself, explaining I had no idea who she was. Working in the Amazon in a time when immediate access to literature was not even available in science fiction, I told her I in fact had never heard of her. I guess we soon identified with each other, the candidness, the humor...

From that point on I began reading Nina's papers and, as others in the field, I was certainly influenced by her thoughtful elegant work. Nina kept reminding us what the



discipline is all about: “theory-driven and context-sensitive study of the pharmacologic potential of species used by indigenous peoples for medicine, food, and other purposes,” “shift current biodiversity management strategies from economic concerns to issues that bear on ecological and environmental health,” “assist the conservation of species that indigenous peoples regard as important, rather than focus on species that have been identified by outsiders who are politically and culturally remote from the threatened environments”.

collaborating in a couple of projects, and just the pleasure of getting to know her, was yet another unexpected gift from being an ethnopharmacologist. Over the years we had stimulating scientific discussions and a fair amount of fun in different places and its surrounding cultures. Little did I know back in 1990 how much I could gain from attending a scientific congress. I sure knew then, as I know now, how priceless is a friend. I am afraid it will never again be as good.

*Prof. Elaine Elisabetsky
Honorary Board Member, ISE*



Nina and Elaine at the medicinal plant garden, Nanning P.R. China, 2006

Having the chance of spending a few days together nearly every two years,

Joint publications:

Etkin, N. L. and E. Elisabetsky (2005) Seeking a transdisciplinary and culturally germane science: the future of ethnopharmacology *Journal of Ethnopharmacology* 100: 23-26.

Elisabetsky, E. and N.L. Etkin, Honorary Theme eds. (several in 2005, 2006) *UNESCO On-line Encyclopedia: Global Sustainable Development, Water, Energy, Environment, Food & Agriculture, Knowledge Foundations*. UNESCO/EOLSS. Oxford, England. [<http://www.eolss.net>].



A passion for high standards



My first recollection of Nina was as a fellow member of the ISE committee as we prepared for the meeting in London in 1996. She was not afraid of expressing her views and had a passion for high standards in research and the need for integration across the wide spectrum

of expertise that comprises ethnopharmacology. Over the last 10 years my respect developed into friendship and I particularly enjoyed spending time with her and Paul at the meeting in Nanning in 2006. I treasure several photographs taken with her at various meetings and share in the sadness at the loss to ethnopharmacology that her death has brought.

*Prof. Peter Houghton
Treasurer, ISE*

Joint Publication:

Prendergast, H.D.V. and N. L. Etkin, D.R. Harris, and P.J.Houghton, eds. (1998) *Plants for Food and Medicine*. Royal Botanic Gardens Press. Kew, England.



A sparkling reminder of a vivid interest in all scholarly questions relating to human interaction with the environment

Nina's Email to Peter Houghton and Michael Heinrich on 17.10.08:

*Hello Peter and Michael,
I am writing about Charles Darwin, and would like to "fact check" with you. Is the following correct?
"The more familiar icons of legend appear on the ten-pound British sterling note that bears Darwin's image (issued in 2000): over the backdrop of a compass, the Beagle navigates blue waters off the Galapagos archipelago, a hummingbird hovers, and only a prosaic magnifying glass alludes to the essence of a rigorous research program."
Oh, come on, this must be more entertaining than students' papers.
I am "the same" -- which is the best I can expect, still hiking.
I missed friends and colleagues at the Brazil meeting, and otherwise, and am very pleased for Elaine that it went well.
Best,
Nina*

Having met Nina for the first time about twenty years ago, her last email sent 17.10.08, is a sparkling reminder of her vivid interest in all scholarly questions relating to how we humans interact with the environment. And this is Nina---sharp and right to the point.

Without doubt her research has had considerable impact on the development of my scientific thinking and will certainly do so in the future. She always has been an enthusiastic and critical discussant and a scholar keenly interested in ethnopharmacology. One of her interests which connected us was her concern about ascertaining that ethnopharmacology is a 'theory-driven and context-sensitive study of the pharmacologic potential of species used by indigenous peoples for medicine, food, and other purposes' (Etkin and Elisabetsky 2005).

Her earlier work (published jointly with her husband Paul Ross) influenced many of the current researchers in the area and her visionary perspective on the integration of food and medicine is much better understood today

than when it was first published: *Food as Medicine and Medicine as Food: An adaptive framework for the interpretation of plant utilisation among the Hausa of Northern Nigeria* (Etkin and Ross 1982).

In later years she pioneered links between the study of pharmaceutical and medicinal plant usage in indigenous communities, an area of research which is still underdeveloped (Etkin et al. 1990). Other interests were linked with medical research and more specifically the interface of human physiology and biological anthropology (Etkin et al 1982).

All her works were at the same time very stimulating and a challenge to read. Her well-written articles and books are, without doubt, one of her most important legacies. At the same time, she was a unique personality, reluctant and withdrawn at the beginning of a conversation but also very warm and an engaging, and an engaged biocultural scientist. We all miss her.

*Prof. Michael Heinrich
President ISE (2008-2010)*



Nina and Paul in a taxi, saying good-bye after the ICE Nanning conference, 2006

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Joint publications:

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Collaborating where necessary and consulting literature outside one's own professional disciplines

As a young lecturer, I listened to a plenary talk Nina Etkin gave at the ISE 'Ethnopharmacology 2000: Challenges for the New Millennium' conference in Zürich (2000). Nina talked about the lack of interdisciplinarity in ethnopharmacological studies, and more importantly stressed that scientific discoveries of pharmacological effects of medicinal plants were not sufficiently placed in the cultural context, not benefitting the populations using the plants. She wrote in the abstract 'Specifically, we suggest that ethnopharmacologists of all backgrounds

project pharmacologic data against a backdrop of medical ethnography (e.g., by addressing therapeutic objectives, specific contexts of use, preparation, etc.), and enrich cultural interpretations of medicinal actions by exploring the physiologic potential of plants – collaborating where necessary and consulting literature outside their own professional disciplines.' At this talk, Nina planted the thoughts in me that over the years have shaped my understanding of how our field, Ethnopharmacology, ideally should be. I know very well how difficult it is to give back scientific information to healers and their patients – but maybe in honour of Nina Etkin we should all just try a little more.

Anna K Jäger
ISE Board member, auditor



The crème de la crème of ethnopharmacology

Nina was a highly critical and courageous scientist. For us, these characteristics are best illustrated in her article "Perspectives in ethnopharmacology: forging a closer link between bioscience and traditional empirical knowledge" (2001) where she demands a true interdisciplinarity in ethnopharmacological research. In analyzing the contents of the *Journal of Ethnopharmacology* from its beginning in 1979 she criticized that "whereas

the published articles represent the breadth of natural and social science, most studies are themselves not synthetic or interdisciplinary. Very few combined pharmacologic data with sufficient ethnographic depth to make substantive statements about how specific plants influence the health of a particular population." (p. 178). She found that only 6 percent of all articles published in JEP between 1979 and 1996 could be truly called "interdisciplinary" – a trend that was perpetuated in the years 1996-2000, where the number declined to 4 percent. "The point is that interdisciplinary studies effectively



combine ethnography and pharmacology to formulate meaningful conclusions” (p. 180). Furthermore she criticizes that “many authors still position their research in a Western pharmaceutical frame without considering the implications for populations” and that “ethnopharmacology has not been appreciably influenced by the very public and political attention to biodiversity, ethics and intellectual property rights” (p. 180). “What is more disturbing now is that most researchers appear to have no objective at all, at least most authors do not state what the purpose of their research is. (...) By all appearances, no one seems to reflect much on what the larger picture might be” (p. 181). She concludes: “How can we reconcile that research conducted during the last two decades has yielded an enormous amount of information on plant constituents and activities with virtually no practical application?” (p. 181)

Perfect! This is Nina at her best. Sharp, courageous, incorruptible.

We are using many of Nina’s articles (especially 1992) and books in our lectures and seminars, but this article we find most characteristic for her strength, her courage and her scholarly anger. She always did what she demanded of others---doing extensive fieldwork, truly working interdisciplinarily, being as much a cultural anthropologist as a natural scientist. And, apart from that, she was an excellent mentor, supporting, encouraging and paying attention to detail.

I (Ruth) once wrote a manuscript on the indigenous use of water beetles and asked Nina if she could go through it and advise me on where to publish it. I had met her at a conference in Costa Rica, where Armin introduced us, but we did not know each other very well so I was a bit shy to write her. For me she was (and still is!) the crème de la crème of ethnopharmacology and I actually did not even expect her to answer my mail. But there it came; she gave me enormously useful and encouraging feedback. I did as she suggested and sent the article to the Journal of Ethnobiology. When the journal’s editors sent the manuscript to her for review (she was on the editorial board) she rejected to do so because of personal bias. I don’t remember the actual words but she wrote something like “I know this person too well, please send it to

another reviewer.” This was a reply I found somehow meticulous at first reaction, but later deeply impressed me. For me, this small incident shows so well Nina’s integrity, and her supportive and unwavering nature. (The paper was then sent to another reviewer and accepted by JEB.)

For Nina the biologist, Hawaii was the ideal place to live her closeness to nature. In her house, huddled against the mountain, she lived amidst her plants. In every letter she wrote she would enclose a dried flower. We will miss her.

*Prof. Armin Prinz and Dr. Ruth Kutalek
Unit of Ethnomedicine
and International Health
Center for Public Health
Medical University of Vienna*

See also: *viennese ethnomedicine newsletter ven*, where Nina served as member of the editorial board
<http://www.univie.ac.at/ethnomedicine/>



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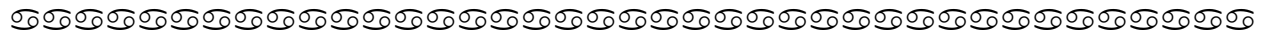
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Etkin, N.L. (In Press) Street foods: the biocultural underbelly. In *Essays in Medical Anthropology: A Festschrift for the Austrian Ethnomedical Society after Thirty Years*. R. Kutalek and A. Prinz, eds. LIT- Verlag. Vienna.



Nina's traces in Germany

In German speaking countries ethnobotany and ethnopharmacology do not take up an important place in academic life. That is a pity, because Germany has a large cultural tradition of ethnobotanical practice, and Nina represented the best tradition of ethnological studies on plant medicine in an academic framework, combining sciences as well as arts. The importance of the plants for the history of mankind is enormous, so that you could say, the history of mankind is at the same time also the history of plant use in daily life. Nina showed the importance of this role of plants not only in healing, but also in dietetics, prevention, and cosmetics. And you could easily broaden up this scope into religion and healing rituals. Nina herself knew this well, but she remained in her special scope of interest. She also considered botanical and biochemical interpretations of the effects of plants, in order to better understand the cultural details of her findings, thereby providing a good example of what the crux of interdisciplinary work is.

In March 1993 we had the chance to invite her to Heidelberg, to our 11th "Ethnomedizin" conference, the German academic tradition of discourse in all fields of medical anthropology at that time (see her presentation Etkin and Ross 1993b, 1996). We know that her article which she presented at the 1st ISE conference in the founding year of the ISE remarkably echoes its German translation in *Curare* in 1993, prepared especially for our conference (Etkin and Ross 1993a). After visiting Strasbourg in 1990, Nina enjoyed being in Heidelberg in 1993, with its old university, just on the other side of the Upper Rhine. She also liked the hotel in the

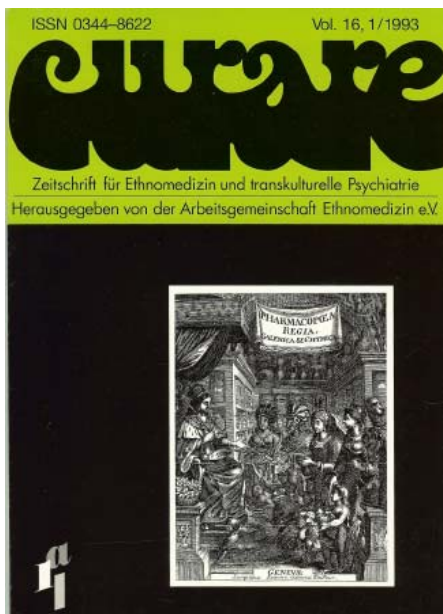
medieval building at Neckargmünd near Heidelberg, where most of the guests at the conference were living. I remember her appreciation of the breakfast view over the Neckar river that runs between the narrow hills there, and the lights of early spring. She did not speak about the landscape much, because the conference talk in the Museum of Ethnology in the centre of Old Heidelberg came afterwards. She only commented, "How beautiful," not only on the daily blue sky, but also on the blossoms of the Hawaii bougainvillea. These blossoms were used here for decoration of the breakfast room, and she gave me such a blossom. Thank you Nina.

Ekkehard Schröder
Editor of Curare,
Journal of Medical Anthropology
(founded by AGEM in 1978)

References and joint publications:

Etkin, Nina und Paul J. Ross (1993a) Brauchen wir einen Platz für Ernährungsgewohnheiten und Diätetik in der Ethnopharmakologie. *Curare* 16,1: 3-16 (translated version from Etkin, N.: Should we set a place for diet in Ethnopharmacology? *Journal of Ethnopharmacology*, 32 (1991) 25-36 (from a paper presented at the first International Congress of Ethnopharmacology 1990 at Strasbourg).





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Calling for a readjustment of the balance between the various disciplines involved in ethnopharmacology

Nina Etkin made an invaluable contribution to the development of ethnopharmacology. Her competence as an anthropologist shed precious light on her work. She also found ways to build bridges between the humanities and life sciences and thus promoted interdisciplinary studies that serve as a platform for research in ethnopharmacology.

She repeatedly called for a readjustment of the balance between the various disciplines involved in ethnopharmacology and appropriately advocated more involvement by ethnologists in this area of studies.

She was one of the key figures from the U.S. to contribute actively to the Congress of the European Society for Ethnopharmacology and Société Française d’Ethnopharmacologie, in particular on the occasion of the Heidelberg, Germany (1) and the Genoa, Italy (2) conferences. Her numerous publications are considered as essential for our discipline. All those who had

the privilege of meeting her and becoming her friend will always remember her joviality and her enthusiasm.

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*Dr. Jacques Fleurentin
President of
Société Française d’Ethnopharmacologie -
French Society for Ethnopharmacology
Metz, France*

See also:

- <http://www.ethnopharmacologia.org/>
- <http://www.jardinsdumonde.org/>
- <http://www.ethnopharmacologia.org/default.asp?page=revue>



A sharp and critical mind that immediately recognized if a study was of high quality

Unfortunately I never had the chance to meet Nina Etkin, but I certainly do know her from the many reviews she wrote on manuscripts submitted to JEP. It was clear that she had a sharp and critical mind that immediately recognized if a study was of high quality. She dissected papers almost like a surgeon, pointing out weaknesses but at the same time giving advice to do better next time. So many authors profitted by her efforts, and so did the

journal, as we can see a continuous increase in the quality of the papers. A reviewer like Nina is an enlightening example for the younger generation, showing us the meaning of academic duties and how to practice these to the benefit of the society. Her spirit will thus stay with us, and her scientific heritage will remain a source of inspiration for researchers in the field of ethnopharmacology.

*Prof. R. Verpoorte
Editor-in-Chief,
Journal of Ethnopharmacology*



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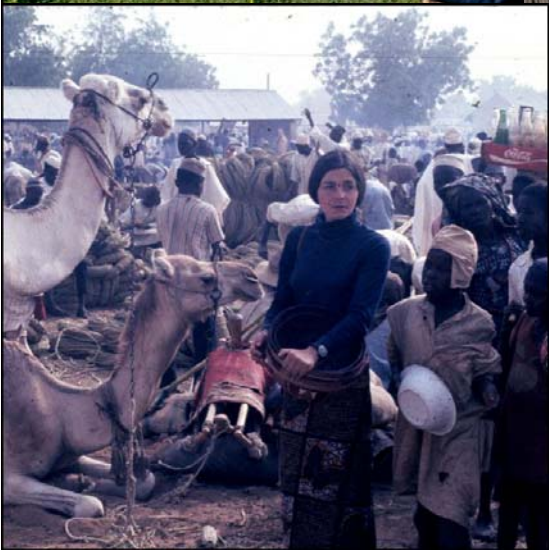
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*Irene Kanter-Schlifke, PhD
Publishing Editor, Pharmacology & Pharmaceutical Sciences
Journal Development and Support, ELSEVIER - www.elsevier.com*

The enclosed articles (attachment) by Nina Etkin have been made available by Elsevier B.V. for inclusion in this ISE Newsletter We are very grateful to Dr. Irene Kanter-Schlifke for her help and support.







Nina L. Etkin's Publication List



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- *1999: **Etkin, N.L.**, A.R. Dixon, P.W. Nishimoto, and P.J. Ross. Medicinal Foods in Multiethnic Honolulu, Hawaii. In *Cultural Food*. A. Guerci, ed. Pp. 12-26. Erga Edizioni. Genoa, Italy.
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- *1999: **Etkin, N.L.**, P.J. Ross, and I. Muazzamu. The Rational Basis of "Irrational" Drug Use: Pharmaceuticals in the Context of "Development." In *Anthropology in Public Health*. R.A. Hahn, ed. Pp. 165-181. Oxford University Press. Oxford.
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- 1998: **Etkin, N.L.** and T. Johns. Pharmafoods and Nutraceuticals: Paradigm Shifts in Biotherapeutics. In *Plants for Food and Medicine*. H.D.V. Prendergast, N. L. Etkin, D.R. Harris, and P.J. Houghton, eds. Pp. 3-16. Royal Botanic Gardens Press. Kew, England.
- *1998: **Etkin, N.L.**, L.X. Gollin, D. Binnendyk, and H. Soselisa. Ethnomedicine in Maluku, Eastern Indonesia. *Cakalele* 7:33-50. (backdated 1996)
- *1997: **Etkin, N.L.** and P.J. Ross. A Discipline Maturing: Past Trends and Future Direction in Ethnopharmacology. In *Salute e Malattia: Indirizzi e Prospettive*. A. Guerci, ed. Pp. 85-95. Erga Edizioni. Genoa, Italy.
- 1997: **Etkin, N.L.** Protecting Habitats for Medicinal Plants and Local Populations. In *Herbal Medicine: A Holistic Approach*. D.A. Wozniak, S. Yuen, M. Garrett, and T.M. Shuman, eds. Pp. 260-287. International Institute for Human Resources Development. San Diego State University. San Diego, CA.
- 1997: **Etkin, N.L.** Drugs and Traditional Medicines. In *The Encyclopedia of Africa South of the Sahara*. Volume 2. J. Middleton, ed. Pp. 283-286. Scribner Publishers. New York.
- *1997: **Etkin, N.L.** Plants as Antimalarial Drugs: Relation to G6PD Deficiency and Evolutionary Implications. In *Adaptation to Malaria: the Interaction of Biology and Culture*. L.S. Greene and M.E. Danubio, eds. Pp. 139-176. Gordon and Breach Science Publishers. New York:
- 1997: **Etkin, N.L.** Medicinal Food Plants. In *The Encyclopaedia of the History of Science, Technology and Medicine in Non-Western Cultures*. H. Selin, ed. Pp. 676-679. Kluwer Publishers. Dordrecht, The Netherlands.

- 1997: **Etkin, N.L.** and P.J. Ross. Reframing Studies of Plant Medicines. In *Guarire, Ieri e Oggi. Domani? Healing Yesterday and Today. Tomorrow?* A. Guerci, ed. CD-ROM. Erdi Multimedia. Genoa, Italy.
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- 1997: **Etkin, N.L.** and P.J. Ross. Malaria, Medicine and Meals: A Biobehavioral Perspective. In *The Anthropology of Medicine*. 3rd edition. L. Romanucci-Ross, D.E. Moerman, and L.R. Tancredi, eds. Pp. 169-209. Praeger Publishers. New York.
- *1996: **Etkin, N.L.** Medicinal Cuisines: Diet and Ethnopharmacology. *International Journal of Pharmacognosy* 34(5):313-326.
- *1996: Ross, P.J., **N.L. Etkin**, and I. Muazzamu. A Changing Hausa Diet. *Medical Anthropology* 17:143-163.
- 1996: **Etkin, N.L.** Review of *Ethnobotany and the Search for New Drugs*. CIBA Foundation Symposium 185, edited by Derek J. Chadwick and Joan Marsh. *Journal of the Royal Anthropological Institute* 2(4):748-749.
- *1996: **Etkin, N.L.** Ethnopharmacology. In *The Encyclopedia of Cultural Anthropology*. D. Levinson and M. Ember, eds. Pp. 443-447. Human Relations Area Files and Henry Holt Publishers. New York.
- 1996: **Etkin, N.L.** Ethnopharmacology: The Conjunction of Medical Ethnography and the Biology of Therapeutic Action. In *Medical Anthropology: Contemporary Theory and Method*. Revised edition. C.F. Sargent and T.M. Johnson, eds. Pp. 151-164. Praeger Publishers. New York.
- 1996: **Etkin, N.L.** Ethnopharmacologic Perspectives on Diet and Medicine in Northern Nigeria. In *Médicaments et Aliments: Approche Ethnopharmacologique*. E. Schröder, G. Balansard, P. Cabalion, J. Fleurentin, and G. Mazars, eds. Pp. 58-62. Société Française d' Ethnopharmacologie. Metz, France.
- *1995: Spring, M.A., P.J. Ross, **N.L. Etkin**, and A.S. Deinard. Sociocultural Factors in the Use of Prenatal Care by Hmong Women, Minneapolis. *American Journal of Public Health* 85:1015-1017.
- 1995: **Etkin, N.L.** Review of *Edible Wild Plants of Sub-Saharan Africa*, by Charles R. Peters, Eileen M. O'Brien, and Robert B. Drummond. *Journal of Ethnobiology* 15(1):87-88.
- 1995: **Etkin, N.L.** Review of *Kava: The Pacific Drug*, by Vincent Lebot, Mark Merlin, and Lamont Lindstrom. *The Contemporary Pacific* 7(1):218-221.
- *1995: **Etkin, N.L.** Ethnopharmacologic Perspectives on Diet and Medicine in Northern Nigeria. *Curare* 16(3&4):207-210.
- 1994: **Etkin, N.L.** The Cull of the Wild. In *Eating on the Wild Side: The Pharmacologic, Ecologic, and Social Implications of Using Noncultigens*. N.L. Etkin, ed. Pp. 1-21. University of Arizona Press. Tucson.
- 1994: **Etkin, N.L.** and P.J. Ross. Pharmacologic Implications of 'Wild' Plants in Hausa Diet. In *Eating on the Wild Side: The Pharmacologic, Ecologic, and Social Implications of Using Noncultigens*. N.L. Etkin, ed. Pp. 85-101. University of Arizona Press. Tucson.
- 1994: **Etkin, N.L.** The Negotiation of "Side" Effects in Hausa (Northern Nigeria) Therapeutics. In *Medicines: Meanings and Contexts*. N.L. Etkin and M.L. Tan, eds. Pp. 17-32. University of Amsterdam. Amsterdam.
- 1994: **Etkin, N.L.** Depending on Fulbright: One Researcher's Experience in Northern Nigeria. In *Fulbright Experience in Benin [sic Nigeria]*. F.A. Salamone, ed. Pp. 65-76. Studies in Third World Societies/College of William and Mary. Williamsburg, VA.
- *1994: **Etkin, N.L.** Consuming a Therapeutic Landscape: A Multicontextual Framework for Assessing the Health Significance of Human-Plant Interactions. *Journal of Home and Consumer Horticulture* 1(2/3):61-81.
- *1994: **Etkin, N.L.** Consuming a Therapeutic Landscape: A Multicontextual Framework for Assessing the Health Significance of Human-Plant Interactions. In *People-Plant Relationships: Setting Research Priorities*. J. Flagler and R. Poincelot, eds. Pp. 61-81. Haworth Press. Binghamton, NY.
- 1994: Tan, M.L. and **N.L. Etkin**. Introduction. In *Medicines: Meanings and Contexts*. N.L. Etkin and M.L. Tan, eds. Pp. 1-8. University of Amsterdam. Amsterdam.



- *1993: **Etkin, N.L.** and B.A. Meilleur. Ethnomedicine in Polynesia: Past Trends and Future Directions. *Journal de la Société des Oceanistes* 96:19-27.
- *1993: **Etkin, N.L.** Anthropological Methods in Ethnopharmacology. *Journal of Ethnopharmacology* 38:93-104.
- *1993: **Etkin, N.L.** and P.J. Ross. Brauchen wir einen Platz für Ernährungsgewohnheiten und Diätetik in der Ethnopharmakologie? *Curare* 16(1):3-16.
- 1992: **Etkin, N.L.** Review of *With Bitter Herbs They Shall Eat It: Chemical Ecology and the Origins of Human Diet and Medicine*, by Timothy Johns. *Journal of the History of the Behavioral Sciences* 28:390-392.
- *1992: **Etkin, N.L.** Side Effects: Cultural Constructions and Reinterpretations of Western Pharmaceuticals. *Medical Anthropology Quarterly* 6:99-113.
- 1992: **Etkin, N.L.** Review of *Essential Medical Genetics*. 3rd edition, by J.M. Connor and M.A. Ferguson-Smith. *Human Biology* 64(3):463-464.
- *1991: Ross, P.J., **N.L. Etkin**, and I. Muazzamu. The Greater Risk of Fewer Deaths: an Ethnodemographic Approach to Child Mortality in Hausaland. *Africa* 61(4):502-512.
- 1991: **Etkin, N.L.** and P.J. Ross. Recasting Malaria, Medicine, and Meals: A Perspective on Disease Adaptation. In *The Anthropology of Medicine*. 2nd edition. L. Romanucci-Ross, D.E. Moerman, and L.R. Tancredi, eds. Pp. 230-258. Praeger Publishers. New York.
- 1991: **Etkin, N.L.** Review of *Herbal Medicine Past and Present*, by J.K. Crellin and J. Philpott. *Medical Anthropology Quarterly* 5(3):286-288.
- 1991: **Etkin, N.L.** Review of *A Continuing Trial of Treatment: Medical Pluralism in Papua New Guinea*, edited by S. Frankel and G. Lewis. *The Contemporary Pacific* 3(2):457-458.
- *1991: **Etkin, N.L.** and P.J. Ross. Should We Set a Place for Diet in Ethnopharmacology? *Journal of Ethnopharmacology* 32:25-36.
- *1991: **Etkin, N.L.** The Behavioral Dimensions of Malaria Control: Guidelines for Culturally Sensitive and Microecologically Germane Policies. In *Malaria and Development in Africa: A Cross-Sectoral Approach*. American Association for the Advancement of Science SubSaharan Africa Program, eds. Pp. 59-69. AAAS. Washington, DC.
- *1991: **Etkin, N.L.** Behavioral Dimensions of Malaria Control. In *La Malaria et le Développement en Afrique: Une Approche Intersectorielle*. L'Association Américaine pour l'Avancement des Sciences, eds. AAAS. Washington, DC.
- 1990: **Etkin, N.L.** Ethnopharmacology: Biological and Behavioral Perspectives in the Study of Indigenous Medicine. In *Medical Anthropology: A Handbook of Theory and Method*. T.M. Johnson and C.F. Sargent, eds. Pp. 149-158. Praeger Publishers. New York.
- *1990: Iwalewa, E.O., L. Lege-Oguntoye, P.P. Rai, T.T. Iyaniwura, and **N.L. Etkin**. *In vitro* Antimalarial Activity of Leaf Extracts of *Cassia occidentalis* and *Guiera senegalensis* in *Plasmodium yoelii nigeriensis*. *West African Journal of Pharmaceutical and Drug Research* 9:19-21.
- 1990: **Etkin, N.L.** and P.J. Ross. Plant Use among the Hausa and Its Impact on Disease. In *The Anthropology of Medicine*. Japanese translation. L. Romanucci-Ross, D.E. Moerman, and L.R. Tancredi, eds. UNI Agency. Tokyo.
- 1990: **Etkin, N.L.** Review of *The Professionalisation of African Medicine*, edited by M. Last and G.L. Chavunduka. *American Anthropologist* 92:809-810.
- *1990: **Etkin, N.L.**, P.J. Ross, and I. Muazzamu. The Indigenization of Pharmaceuticals: Therapeutic Transitions in Rural Hausaland. *Social Science and Medicine* 30(8):919-928.
- 1989: **Etkin, N.L.** Review of *Hausa Medicine*, by Lewis Wall. *Africa* 59(4):533-535.
- *1988: **Etkin, N.L.** Ethnopharmacology: Biobehavioral Approaches in the Anthropological Study of Indigenous Medicines. *Annual Review of Anthropology* 17:23-42.
- 1988: **Etkin, N.L.** Cultural Constructions of Efficacy. In *The Context of Medicines in Developing Countries*. S. van der Geest and S.R. Whyte, eds. Pp. 299-326. Kluwer. Dordrecht, The Netherlands.
- 1986: **Etkin, N.L.** Multidisciplinary Perspectives in the Evaluation of Plants Used in Indigenous Medicines and Diet. In *Plants in Indigenous Medicine and Diet: Biobehavioral Approaches*. N.L. Etkin, ed. Pp. 2-29. Gordon and Breach Science Publishers. New York.

1983: **Etkin, N.L.** and P.J. Ross. Malaria, Medicine, and Meals: Plant Use among the Hausa and Its Impact on Disease. In *The Anthropology of Medicine*. L. Romanucci-Ross, D.E. Moerman, and L.R. Tancredi, eds. Pp. 231-259. Praeger Publishers. New York.

1983: **Etkin, N.L.** Health Care in the Mid-South. In *Memphis, The Mid-South, and the Mississippi Valley*. C. Crawford and E. Fruchtman, eds. Reference Collection, Archives of the Mississippi Valley Collection. Brister Library. University of Memphis. Memphis, Tennessee.

*1983: **Etkin, N.L.**, J.W. Eaton, O. Gomez-Marin, R. Prineas, and R. Gillum. Red Cell Sodium Permeability and Blood Pressure: Minneapolis Children's Blood Pressure Study. Abstract. *Cardiovascular Disease Newsletter* 3:25.

*1982: **Etkin, N.L.** and P.J. Ross. Food as Medicine and Medicine as Food: An Adaptive Framework for the Interpretation of Plant Utilization among the Hausa of Northern Nigeria. *Social Science and Medicine* 16:1559-1573.

*1982: **Etkin, N.L.**, J.R. Mahoney, M.W. Forsthoefel, J.R. Eckman, J.D. McSwigan, R.F. Gillum, and J.W. Eaton. Racial Differences in Hypertension-Associated Red Cell Sodium Permeability. *Nature* 297:588-589.

*1982: Mahoney, J.R., **N.L. Etkin**, J.D. McSwigan, and J.W. Eaton. Assessment of Red Cell Sodium Transport in Essential Hypertension. Abstract. *Blood* 59(2):439-442.

*1982: Mahoney, J.R., **N.L. Etkin**, J.D. McSwigan, M.W. Forsthoefel, J.R. Eckman, and J.W. Eaton. Racial Differences in Hypertension-Associated RBC Na⁺ Permeability. Abstract. *Clinical Research* 30(2):338a.

*1981: Mahoney, J.R., **N.L. Etkin**, J.D. McSwigan, and J.W. Eaton. Abnormal Red Cell Cation Permeability in Essential Hypertension. Abstract. *Blood* 58:31a.

*1981: **Etkin, N.L.** A Hausa Herbal Pharmacopoeia: Biomedical Evaluation of Commonly Used Plant Medicines. *Journal of Ethnopharmacology* 4:75-98.

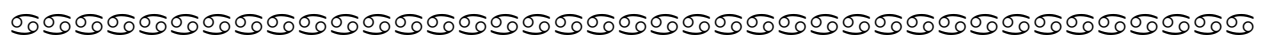
*1980: **Etkin, N.L.** Indigenous Medicine in Northern Nigeria. Oral Hygiene and Medical Treatment. *Journal of Preventive Dentistry* 6:143-149.

*1979: **Etkin, N.L.** Introduction: Biomedical Evaluation of Indigenous Medical Practices. *Medical Anthropology* 3(4):393-400.

*1979: **Etkin, N.L.** Indigenous Medicine among the Hausa of Northern Nigeria: Laboratory Evaluation for Potential Therapeutic Efficacy of Antimalarial Plant Medicinals. *Medical Anthropology* 3(4):401-429.

*1975: **Etkin, N.L.** and J.W. Eaton. Malaria-Induced Erythrocyte Oxidant Sensitivity. In *Erythrocyte Structure and Function*. G.J. Brewer, ed. Pp. 219-232. Alan R. Liss Publishers. New York.

*1972: Eaton, J.W., M. Boraas, and **N.L. Etkin**. Catalase Activity and Red Cell Metabolism. In *Hemoglobin and Red Cell Structure and Function*. G.J. Brewer, ed. Pp. 121-130. Plenum. New York.



CURRICULUM VITAE

PROFESSIONAL PREPARATION

Ph.D. Washington University. St. Louis, Missouri. 1975 - Anthropology
 M.A. Washington University. St. Louis, Missouri. 1972 - Anthropology
 B.A. Indiana University. Bloomington, Indiana. 1970 - Zoology

RESEARCH AND EMPLOYMENT

Administration/Teaching

Graduate Chair, Department of Anthropology, University of Hawai'i. Honolulu, Hawai'i. 2002-2009
 Professor, Department of Anthropology, University of Hawai'i. Honolulu, Hawai'i. 1994-2009
 Associate Professor, Department of Anthropology, University of Hawai'i. Honolulu, Hawai'i. 1990-1994
 Chair, Department of Anthropology, University of Hawai'i. Honolulu, Hawai'i. 2001-2002
 Professor, Department of Ecology and Health, John A. Burns School of Medicine (JABSOM), University of Hawai'i. Honolulu. 2001-2009
 Professor, Graduate Program in Ecology, Evolution and Conservation Biology, University of Hawai'i. Honolulu, Hawai'i. 2001-2009



Graduate Faculty, Department of Public Health, JABSOM, University of Hawai'i. 1994-2009
 Graduate Faculty, Program on Population Studies, University of Hawai'i. 1994-2009
 Researcher, Social Science Research Institute, University of Hawai'i. Honolulu, Hawai'i. 1990-2009
 Scientific Advisory Committee, Clinical Research Center, University of Hawai'i. 2001-2005.
 Associate Faculty, Public Policy Center, University of Hawai'i. Honolulu, Hawai'i. 2003-2009.
 Associate Professor, Department of Anthropology, University of Minnesota. Minneapolis, Minnesota. 1983-1990
 Assistant Professor, Department of Anthropology, University of Minnesota. Minneapolis, Minnesota. 1979-1983
 Visiting Professor, Department of Pharmacognosy and Drug Development, Ahmadu Bello University. Zaria, Nigeria. 1987-1988
 Adjunct Professor, Department of Afro-American and African Studies, University of Minnesota. Minneapolis, Minnesota. 1979-1990
 Assistant Professor, Department of Anthropology, and African Studies Advisor, University of Memphis. Memphis, Tennessee. 1977-1979
 Instructor of Anthropology. Department of Social Sciences, Webster College. Webster Groves, Missouri. 1972
 Graduate Teaching Assistant, Department of Anthropology, Washington University. St. Louis, Missouri. 1970-1973

Research Program

The Environment of Healing/Cultural Ecology of Clinical Encounters: health disparities, developing cultural competency. 2001-2009
 Local Knowledge and Resource Management: Building Iterative and Communicative Processes into Policy Decisions about Important and Invasive Plant Species in Hawai'i. 2002-2009
 Integrative (Complementary and Alternative/CAM) Medicines: prevention and treatment in the "informal sector" in contemporary Hawai'i – cultural constructions of healing, commodification of health and healing, physiological interactions between CAM and between CAM and pharmaceuticals, ethics, implications for clinic policy. 1990-2009
 Ethnomedicine in Eastern Indonesia: indigenous and western medicines in transition. 1990-1994
 Health and therapeutics among Hausa in Nigeria: cultural constructions of Hausa medicine; indigenous medicines and diet; impact on indigenous therapeutics of introduced biomedicines. 1975-2009
 Southeast Asian (Hmong) immigrants encounter the prenatal, biomedical clinic. 1984-1990
 Red blood cell studies in hypertension: population and individual differences in cation permeability and pathophysiology. 1980-1984
 Evolutionary significance of ABO blood groups: relation to infectious diseases. 1983-1985
 Laboratory and population studies of hemoglobin S (sickle cell anemia) and malaria infection. 1980-1990
 AIDS: behavioral correlates of transmission and prodromal syndromes. 1983-1985
 Diet among African Americans in Memphis, Tennessee. 1978-1980
 Post-doctoral field research in northern Nigeria: indigenous medicine in Hausa society; cultural constructions of health and therapeutics; food and health; pharmacologic analysis of medicinal and dietary flora; time allocation studies; dietary surveys. 1975-1976
 Laboratory Scientist, Department of Medicine, University of Minnesota Medical School: malaria infection and G6PD deficiency, hemoglobin S, and other red cell disorders of evolutionary significance. 1973-1975
 Research Assistant, Department of Anthropology, Washington University, St. Louis, Missouri: red blood cell metabolism; — regulators of glycolysis and redox status, G6PD deficiency, catalase and oxidation; inherited deficiencies of alpha-1-antitrypsin – relationship to infectious diseases and atherosclerosis. 1971-1972
 Research Assistant, Dept of Anatomy and Physiology, Indiana Univ. Bloomington, Indiana. 1969-1970

GRANTS/AWARDS: National/International Funding Agencies

1995: National Endowment for the Humanities. "The Transformation of Indigenous Medicines in Eastern Indonesia" (\$2700)
 1994-95: National Geographical Society (5255-94). "Migration and Ethnomedical Transitions in Maluku, Indonesia" (\$2600)
 1994-95: Shaman Pharmaceuticals. "Ethnomedicine and Ethnopharmacology in Maluku, Indonesia" (\$2600)
 1993-97: National Science Foundation (DBS-9221266) "Use of Plant Medicines by Contemporary Native Hawaiians" (\$90,214)
 1987-90: National Science Foundation (BNS-8703734). "Health in Rural Nigeria: Pharmacology of Indigenous Plant Medicines" (\$150,891)
 1987-88: Social Science Research Council (and the American Council of Learned Societies). "Health Behavior in Rural Northern Nigeria: Indigenous and Western Medicines in Transition" (\$11,600)
 1987-88: Fulbright Senior Research Scholar Award. "Health in Rural Northern Nigeria" (\$24,000)
 1988-89: Bush Foundation Grant. "Health in Rural Northern Nigeria" (\$16,000)



1987-89 Howe Memorial Foundation. "Hmong Reproductive Behavior and Perinatal Health" (co-PI) (\$80,000)
 1981-83 American Heart Association – National Association, and Montana and Wyoming Affiliates (AHA 81-715). "Altered Red Cell Cation Transport in Hypertensive States" (\$23,710)
 1981-82 National Institutes of Health (HL-19877). "Prevention of High Blood Pressure in Children" (co-Investigator) (\$1,659,950)
 1971-72 National Science Foundation Graduate Fellowship
 1968-70 Undergraduate Merit Scholarships

GRANTS/AWARDS: Competitive University Sources

2006: University of Hawai'i Research Council. International Congress of Ethnopharmacology. Nanning, Guangxi Province, China. 22-26 August.
 2005: University of Hawai'i Research Council. International Conference on the Modernization of Chinese Medicine. Chengdu, Sichuan Province, China. (travel)
 2005: University of Hawai'i Research Council. International Congress of Ethnobotany: At the Junction of the Continents and the Disciplines. Istanbul, Turkey. (travel-declined)
 2003: University of Hawai'i Research Council. Joint meeting of the International Society for Ethnopharmacology and the South African Assoc of Botanists. Pretoria, South Africa. (travel-declined)
 2001: Research Corporation of Hawai'i, Excellence in Research Recognition Award (\$5000)
 2001: University of Hawai'i Research Council. American Anthropological Association. Washington DC. (travel)
 2000: University Research Council, University of Hawai'i. Joint Meeting of the International Society for Ethnopharmacology and the European Society for Medicinal Plant Research. Zurich, Switzerland. (travel)
 1999: University Research Council, University of Hawai'i. International Symposium on Ethnobotany. San José, Costa Rica. (travel)
 1998: University Research Council, University of Hawai'i. American Anthropological Association. Philadelphia. (travel)
 1998: University Research Council, University of Hawaii. International Conference on Anthropology and the History of Health and Illness. Genoa, Italy. (travel)
 1996: University Research Council, University of Hawai'i. Joint Meeting of the International Society for Ethnopharmacology and The Society for Economic Botany. London. (travel)
 1992-93: Research Corporation University of Hawai'i (RCUH) "Health and Healing in the Informal Sector: Use of Plant Medicines by Populations in Contemporary Hawai'i" (\$14,000)
 1990-93: College of Social Sciences, University of Hawai'i. "Laboratory Assessment of Medicinal Plants" (\$26,888)
 1993: President's Fund, University of Hawai'i. "Ethnopharmacology and Ethnomedicine" (\$700)
 1993: University Research Council, University of Hawai'i. African Studies Association. Boston. (travel - declined)
 1992: Center for SE Asian Studies, University of Hawai'i. "Indigenous Medicines in Maluku, Indonesia" (\$1100)
 1992: University Research Council, University of Hawai'i. International Congress of Ethnopharmacology. Uppsala, Sweden. (travel)
 1990-94: Research Support, Social Science Research Institute, University of Hawai'i. "Health and Healing in the Informal Sector: Use of Plant Medicines by Populations in Contemporary Hawai'i" (salary)
 1991: President's Fund, University of Hawai'i. "Social and Cultural Aspects of Pharmaceuticals" (\$1720)
 1991: University of Hawai'i College of Social Sciences. "The Pharmacology of Food and Medicine" (salary)
 1991: University Research Council, University of Hawai'i. Annual Meeting of the American Anthropological Association. Chicago. (travel)
 1990: University Research Council, University of Hawai'i. Annual Meetings of the American Anthropological Association. New Orleans. (travel)
 1989-90: University of Minnesota. "Medicinal Plants in Nigeria: the Pharmacology of Healing" (\$8,334)
 1989: College of Liberal Arts, University of Minnesota. "Infant Mortality in Hausaland" (\$400)
 1988-89: Sabbatical Leave, University of Minnesota. "Indigenous and Western Medicines in Transition in Northern Nigeria." (salary)
 1987-88: College of Liberal Arts, University of Minnesota. "Medical Transition in Rural Nigeria." (\$1000)
 1987-88: International Programs, University of Minnesota. "Indigenous and Western Medicines in Transition in Nigeria." (\$800)
 1986-87 Grant-in-Aid of Research, University of Minnesota. "Hmong Health Care and Pregnancy Outcome." (\$4,000)
 1985: Single Quarter Research Leave, University of Minnesota. "Evolutionary Significance of ABO Blood Groups: Adaptation to Infectious Disease." (salary)
 1984: Research Appointment, University of Minnesota. "Sickle Hemoglobin: Molecular Basis of Antimalarial Effect." (salary)



- 1984-85: Grant-in-Aid of Research, University of Minnesota. "Plants, Diet, and Medicine: A Bio-Behavioral Perspective." (\$7,000)
- 1984-90: Grant-in-Aid of Research, University of Minnesota. "Computer Applications in Journal Editing." (\$5120)
- 1981: University of Minnesota Medical School. "Cellular Cation Transport in Essential Hypertension." (salary)
- 1979-1989: University of Minnesota. Each year, Annual Meetings of the American Anthropological Association. (travel)
- 1978: Research Appointment, Memphis State University. "Folk Medicine: Bio-Anthropological Approaches." (salary)
- 1970-73: Graduate Assistantships, Washington University, St. Louis, Missouri.

HONORS, EDITORIAL POSITIONS, AND ADVISORY BOARD AFFILIATIONS

- 2001: University of Hawai'i Regents' Medal for Excellence in Research.
- 2007: Scientific Committee, International Society of Ethnopharmacology, São Paulo, Brazil (2008)
- 2006: Scientific Committee, International Congress of Ethnobotany, San Carlos de Bariloche, Patagonia, Argentina (2009).
- 2006: Vice Chair of Academic Committee, International Congress of Ethnopharmacology, Nanning, Guangxi Province, China.
- From 2004: Honorary Board Member of the International Society of Ethnopharmacology, as a scholar of highest international stature.
- 2004-2005: Scientific Advisory Board, International Congress of Ethnobotany (ICEB), Istanbul.
- 2004: Scientific Committee, joint meeting of the International Society for Ethnopharmacology, the International Society for Ethnobiology, and the Society for Economic Botany. Kent, England.
- 2003-2009: Editorial Board Member, *Journal of Complementary and Integrative Medicine (JICM)—An International Forum for Evidence-Based Practice* (www.bepress.com/jcim)
- 2003-2009: Editorial Board Member, *Ethnobotany Research and Applications*
- 2003: Vice Chair, Scientific Committee, International Symposium on New Achievements in Natural and Traditional Medicine. Beijing, China.
- 2003: Scientific Committee, joint meeting of the International Society for Ethnopharmacology and the South African Association of Botanists. Bridging the Gap between Traditional Knowledge and Sustainable Development. Pretoria, South Africa.
- 2002: Official Delegate to the Opening Ceremony of the China Beijing International High-Tech Expo, Great Hall of the People; joined a small group of dignitaries received by Zhu Rongji, Premier of China.
- 2002-2009: Scientific Advisory Committee for the Clinical Research Center, a part of the National Institutes of Health Program on Research Centers in Minority Institutions
- 2001-2009: Panel of Experts for Review of the National Institutes of Health (NIH)/Fogarty International Cooperative Biodiversity Groups (ICBG) Grants
- 2001-2009: Review Panel, National Science Foundation, Grants in Aid of Graduate Studies
- 2008-2009: Editorial Board, *Pharmaceutical Biology*
- 2001-2008: Associate Editor, *Pharmaceutical Biology*
- 2001: Scientific Committee, International Congress of Ethnobotany: Ethnobotany in the Third Millennium: Expectations and Unresolved Issues. Naples, Italy
- 2001: Scientific Committee, International Symposium on Ethnobotany, Ethnomedicine, and Pharmacology. Antigua, Guatemala
- 2001: Co-Chair, Scientific Committee, International Symposium on Lycium and Antiaging Agents. Yinchuan, Ningxia, China
- 2001-2009: Editorial Board Member, *International Journal of Tropical Medicinal Plants*
- 2000: Scientific Committee, joint meeting of the International Society for Ethnopharmacology, and the European Society for Medicinal Plant Research. Zurich, Switzerland
- 2000-2002: Past President, International Society for Ethnopharmacology
- 1999-2009: Scientific Staff, Museum of Ethnomedicine, University of Genoa, Italy
- 1999: Scientific Committee, International Symposium on Ethnobotany, University of La Paz, San José, Costa Rica
- 1998-2001: Member, Scientific Committee for the conference Building Bridges. Honolulu, Hawai'i
- 1998-2009: Editorial Board Member, *University of Vienna Institute of Medicine Newsletter*
- 1997-2009: Editorial Board Member, *SOMA: Interactions Therapeutiques et Anthropologie Médicale*
- 1997-2002: Editorial Board Member, *American Anthropologist*
- 1996-97: Excellence in Teaching Award, College of Social Sciences
- 1996-2000: President, International Society for Ethnopharmacology
- 1996-2009: Fellow, The Linnean Society
- 1984-99: Editor-in-Chief of the journal *Reviews in Anthropology*



1996-2009: Editorial Board Member, *Anthropology and Medicine*
 1996-2009: Editorial Board Member, *Journal of Ethnopharmacology*
 1996-2009: Editorial Board Member, *Journal of Ethnobiology*
 1990-2009: Member, Scientific Committee for the International Congress on Ethnopharmacology.
 1994-2009: Member, Scientific Committee, European Colloquium on Ethnopharmacology
 1995-2009: Member, Scientific Committee for the International Conference on Anthropology and the History of Health and Disease. Genoa, Italy
 1999-2008: Editorial Board Member, *Reviews in Anthropology*
 1991-94: Editorial Board Member, *Medical Anthropology Quarterly*
 1991-2009: Board Member, International Society for the Study of Social and Cultural Aspects of Pharmaceuticals
 1990-2004: Board Member and U.S.A. Representative for the International Society of Ethnopharmacology
 1990-92: Advisory Committee, American Association for the Advancement of Science (AAAS) Malaria in Sub-Saharan Africa Project
 1990-93: Chair, Nominations Committee. Council for Nutritional Anthropology
 1989-92: Africa Advisory Committee for Fulbright Senior Scholars Awards and the Council for International Exchange of Scholars
 1979: Special Editor of the journal *Medical Anthropology*
 From 1969: Phi Beta Kappa

PROFESSIONAL CONFERENCES AND PRESENTATIONS (all refereed or by special invitation)

2009: **Etkin, N.L.** Ethnography and Ecology in Theory-Driven, Integrated Field Methodologies. Invited Plenary Address. International Congress of Ethnobotany. La Plata, Argentina. 21-24 September
 2009: **Etkin, N.L.** Pharmaceuticals and Folk Traditions in Hawai'i: Polypharmacy in Contested Narratives of "Noncompliance." Invited Plenary Address. 50th Anniversary Meeting of the American Society of Pharmacognosy. Honolulu, Hawai'i. 27 June - 1 July.
 2008: **Etkin, N.L.** The Indigenization of Pharmaceuticals and the Mediation of Side Effects. Invited Keynote Address. International Congress of Ethnopharmacology. São Paulo, Brazil. 16-19 September.
 2006: **Etkin, N.L.** Edible Medicines: The Intersection of Food, Life Narratives, and Health. Presented to the Center for Biographical Research. University of Hawai'i. Honolulu. 28 September
 2006: **Etkin, N.L.** Taking the Tradition out of Traditional Medicines: Globalization and Natural Health Products. Invited Plenary Address. International Congress of Ethnopharmacology. Nanning, Guangxi Province, China. 22-26 August.
 2005: **Etkin, N.L.** "Acculturation" and Health Disparities Research. Presented to the Clinical Research Seminar. JABSOM/University of Hawai'i Medical School. Honolulu, HI. 13 October.
 2005: **Etkin, N.L.** Panel Executive Co-Chair. "Sustainable Development and Utilization of TCM Resources. International Conference on the Modernization of Chinese Medicine. Chengdu, Sichuan Province, China. 25-27 September.
 2005: **Etkin, N.L.** The Emperor Has no Clothes: "Acculturation" and Health Disparities Research. Presented to the Community Pediatrics Research Seminar. Kapi'olani Medical Center. Honolulu, HI. 7 September.
 2005: **Etkin, N.L.** Research Progress for Sustaining TCM in 21st Century USA. International Conference on the Modernization of Chinese Medicine. Chengdu, Sichuan Province, China. 25-27 September.
 2005: **Etkin, N.L.** Symposium Organizer. "Ethnobotanical Studies of Wild Plant Foods." Presented as an Invited Session to the International Congress of Ethnobotany. Istanbul, Turkey. 21-26 August.
 2005: **Etkin, N.L.** Wild Plant Management in Rural Hausaland: Local Ecological Knowledge Contributes to the Conservation of Biodiversity. International Congress of Ethnobotany. Istanbul, Turkey. 21-26 August.
 2005: **Etkin, N.L.** More than Microbes: Cultural Constructions and Social Negotiations of Re-Emergent Infections. Invited Plenary Address. Emerging Infectious Disease and Socioecological Systems. John A. Burns School of Medicine and the East-West Center. Honolulu, Hawai'i. 9-11 March.
 2004: **Etkin, N.L.** Traditional Ecological Knowledge and the Conservation of Botanical Diversity in Northern Nigeria. Presented to the University of Hawai'i Department of Botany. 7 April.
 2004: **Etkin, N.L.** Polypharmacy in Contested Narratives of "Noncompliance:" Critical Theory, Urgent Issues, Advocacy. Joint Meeting of the Society for Medical Anthropology and the Society for Applied Anthropology. Dallas, Texas. 31 March - 4 April.
 2004: **Etkin, N.L.** and S.E. Edwards. Workshop on Ethnographic Data Collection and Management. Joint Meeting of the International Society for Ethnobiology, International Society of Ethnopharmacology, and the Society for Economic Botany. Kent, England. 14-18 June
 2004: **Etkin, N.L.** Polypharmacy: Rethinking the Cultural Construction and Social Negotiation of Multiple Medicines. Joint Meeting of the International Societies for Ethnobiology and Ethnopharmacology, and the Society for Economic Botany. Kent, England. 14-18 June



- 2003: **Etkin, N.L.** Ethnography of Foraging, Phytofoods, and Fermentation. International Conference on the Anthropology of Food. International Commission for the Anthropology of Food (ICAF). International Union of Ethnological and Anthropological Sciences (IUEAS). Poysdorf, Austria : 4-7 December.
- 2003: **Etkin, N.L.** Biocultural Approaches in Health Research: Ethnographic Methods for Developing Cultural Competence. Invited In-Service Presented to the Department of Pediatrics Kapi'olani Medical Center. Honolulu, Hawai'i. 17 September.
- 2003: **Etkin, N.L.** The Co-evolution of People, Plants, and Parasites: Implications for the Conservation of Biodiversity. Presented to the University of Georgia Department of Anthropology. 10 January.
- 2003: **Etkin, N.L.** Benefit-Sharing (BS?): Hype or Hope? Invited Plenary Address. International Conference on Medicinal Plants: Access, Use and Benefit Sharing in the Light of the Convention on Biological Diversity. Oslo, Norway. 3-5 April.
- 2003: **Etkin, N.L.** Ethnopharmacology and Biodiversity. Invited Plenary Address. Joint Conference of the International Society for Ethnopharmacology and the South African Association of Botanists. University of Pretoria. Pretoria, South Africa. 7-11 January.
- 2002: **Etkin, N.L.** The Co-evolution of People, Plants, and Parasites: Biological and Cultural Adaptations to Malaria. Invited Lecture. Biomedical Research Seminar. University of Hawai'i. Hilo, Hawai'i. 26 November
- 2002: **Etkin, N.L.** The Role of Nutraceuticals in Health Care. Invited Plenary Address. World Ayurveda Congress. Kochi-Kerala, India. 1-4 November.
- 2002: **Etkin, N.L.** and H.L. McMillen. The Ethnobotany of Noni: Dwelling in the Land between La'au Lapa'au and TestiNONIals. Invited Plenary Address. Hawai'i Noni (*Morinda citrifolia*) Conference. Hilo, Hawai'i. 26-27 October.
- 2002: **Etkin, N.L.** Population, Ecology, Health: Biocultural Perspectives on the Interrelations between People and Environment. Invited Faculty Seminar. Population Studies Program. University of Hawai'i. Honolulu, Hawai'i. 14 October.
- 2002: **Etkin, N.L.** Eco-Health Series: The Cultural Ecology of Clinical Encounters. Department of Medicine Grand Rounds, Queen's Hospital/University of Hawai'i. Honolulu, Hawai'i. 3 September.
- 2002: **Etkin, N.L.** Ethnopharmacology: Exploring the Co-Evolution of People, Plants, Herbivores, and Their Respective Pathogens. Invited Plenary Address. Nutrition Society Conference: The Food Chain – Plants, Animals, Man. Leeds, England. 2-5 July.
- 2002: **Etkin, N.L.** Creating Links between Bioscience and Traditional Empirical Knowledge. Invited Plenary Address. World Congress of Pharmacology. San Francisco, California. 7-12 July.
- 2002: **Etkin, N.L.** CAM Use among Cancer Patients: Invited Plenary Address. International Symposium on Integrated Treatment for Cancer. Honolulu, Hawai'i. 29-30 June.
- 2002: **Etkin, N.L.** CAM Research in Honolulu: beyond Catalogues of "How Many?" and "Who Uses What?" Invited Plenary Address. "Conference on the Future of CAM Research and Education in Hawai'i. Honolulu, Hawai'i. 25-26 June.
- 2002: **Etkin, N.L.** Contributions of Traditional Knowledge and Practices to the Conservation of Biodiversity. Invited Plenary Address. International Conference on Science and Technology in Biodiversity Conservation and Utilization. Beijing, China. 22-24 May .
- 2002: **Etkin, N.L.** and P.J. Ross. Polypharmacy and the Elderly Cancer Patient: Rethinking "Noncompliance." Invited Magisterial (Plenary) Address. International Conference on Ethnogerontology & Ethnogeriatrics: Living and Healing Old Age in the World. Genoa, Italy. 11-16 March.
- 2001: **Etkin, N.L.** One Hundred Years of Paradigmatic Shifts in the Bioscience of Food: Implications for the Anthropology of Diet and Health. Presented at the 100th Annual Meeting of the American Anthropological Association in the Council on Nutritional Anthropology sponsored session "Plus ça Change: Shift and Stasis in the Anthropology of Food and Diet." Washington DC. 28 November - 2 December.
- 2001: **Etkin, N.L.** Learning How to Learn Cultural Issues: Implications for Health Care Practice, Research, and Policy. Cultural Sensitivity Training Workshop/Inservice. Presented to Hawai'i Biodyne. Honolulu, Hawai'i. 10 December.
- 2001: **Etkin, N.L.** Cultural Issues in Health Care: Implications for Process and Policy. Inservice. Presented to the Hawai'i Medical Service Association (HMSA) Care Management Department. Honolulu, Hawai'i. 25 October.
- 2001: **Etkin, N.L.** The Future of Ethnobotany: Moving Fast, Going Where? Invited Plenary Address. International Congress of Ethnobotany: Ethnobotany in the Third Millennium: Expectations and Unresolved Issues. Naples, Italy. 22-30 September.
- 2001: **Etkin, N.L.** Complementary and Alternative Medicine (CAM): "Folk Medicine" of the Early 21st Century in the West. Invited Senior Magisterial Dissertation (Plenary Address). International Symposium on Ethnobotany, Ethnomedicine, and Pharmacology. Antigua, Guatemala. 14-18 September.
- 2001: **Etkin, N.L.** Nutraceuticals, Cosmeceuticals, and Antiaging Agents in US Popular Culture. Invited Plenary Address. International Symposium on Lycium and Antiaging Agents. Yinchuan City, Ningxia Hui Autonomous Region, China. 6-9 August.



- 2001: **Etkin, N.L.** Symposium Organizer. "Ethnopharmacology: Building Bridges between Natural Products Chemistry and Traditional Knowledge." Presented as an Invited Session to the Building Bridges Conference. Honolulu, Hawai'i. 28 May - 2 June.
- 2001: **Etkin, N.L.**, P.J. Ross, A. Funahashi, J.N. Busch, and J.D. Baker. Ethnopharmacology: Building Bridges to Where? Presented to the Building Bridges Conference, as part of the Invited Session "Ethnopharmacology: Building Bridges between Natural Products Chemistry and Traditional Knowledge." Honolulu, Hawai'i. 28 May - 2 June.
- 2001: **Etkin, N.L.** Invited Specialist for Lecture Series in "Advanced Ethnobotany." University of Hawai'i. Honolulu, Hawai'i. 2-6 June.
- 2001: **Etkin, N.L.** The Co-Evolution of People, Plants, and Parasites: Biological and Cultural Adaptations to Malaria. Presented to the Faculty of the Ecology, Evolution, and Conservation Biology Program (EECB). University of Hawai'i. Honolulu, Hawai'i. 27 April.
- 2000: **Etkin, N.L.** The Co-evolution of People, Plants, and Parasites: Biological and Cultural Adaptations to Malaria. Annual Meeting of the American Anthropological Association. San Francisco, California. 15-19 November.
- 2000: Moerman, D.E. and **N.L. Etkin**, Symposium Co-Chairs. Ethnobotany Goes Public: "Herbal" Medicines in an Anthropological Context. Annual Meeting of the American Anthropological Association. San Francisco, California. 15-19 November.
- 2000: **Etkin, N.L.** Perspectives in Ethnopharmacology: Forging a Closer Link between Bioscience and Traditional Empirical Knowledge. Invited Keynote Address. Joint meeting of the International Society for Ethnopharmacology and the European Society for Medicinal Plant Research. Zurich, Switzerland. 3-7 September.
- 1999: **Etkin, N.L.** Ethnomedical Approaches to the Study of Indigenous Antimalarials: Prevention and Treatment. Invited Keynote Addresses. WHO Research Initiative on Traditional Antimalarials. Moshi, Tanzania. 8-13 December.
- 1999: **Etkin, N.L.** From Crabs to Oncogenes: The Cultural Construction of Cancer in the U.S. Presented to Oncology Staff at St. Francis Medical Center as a component of the Hawai'i Nurses' Association Continuing Education Program. Honolulu, Hawai'i. 23 November.
- 1999: **Etkin, N.L.** The Ethnopharmacology of Fermented Medicinal Foods. Magisterial Dissertation (Keynote Plenary Address). International Symposium on Ethnobotany. San José, Costa Rica. 14-18 September.
- 1998: **Etkin, N.L.** and P.R. Ross. Local Knowledge of Biotic Diversity and its Conservation in Rural Hausaland (Nigeria). 97th Annual Meeting of the American Anthropological Association. Philadelphia, Pennsylvania. 2-6 December.
- 1998: **Etkin, N.L.** Complementary ("Alternative") Therapies. Invited Address. Clinical Trials Update Meeting. Cancer Research Center of Hawai'i. Honolulu, Hawai'i. 13 October.
- 1998: **Etkin, N.L.** Antimalarial Plants: Co-evolutionary Dimensions of Human Biology and Culture, Botanicals, and Infectious Disease. Invited Keynote Address. European Congress on Tropical Medicine and Meeting of the Royal Society of Tropical Medicine and Hygiene. Liverpool, England. 14-18 September.
- 1998: Ross, P.R. and **N.L. Etkin**. Alternative/Complementary Cancer Therapies. Invited Address. Oncology Nursing Conference "Cancer Care; Hitting the High Notes." Honolulu, Hawai'i. 21 August.
- 1998: **Etkin, N.L.**, A.R. Dixon, P.W. Nishimoto, and P.J. Ross. Medicinal Foods in Multiethnic Honolulu, Hawai'i. Invited Plenary Address. International Conference on Anthropology and the History of Health and Illness. Genoa, Italy. 2-5 April.
- 1997: **Etkin, N.L.** Protecting Habitats for Medicinal Plants and Local Populations. Invited Plenary Address. International Symposium on Herbal Medicine. Honolulu, Hawai'i. 1-4 June.
- 1996: **Etkin, N.L.** Biocultural Perspectives on Health in a Hausa Village in Northern Nigeria: Linking the Ethnography of Illness to the Pharmacological Action of Plant Medicines. Department of Anthropology, Northwestern University. Evanston, Illinois. 18 November.
- 1996: **Etkin, N.L.** Nutrition and Health in African Societies. Invited Faculty Seminar. Population Studies Program. University of Hawai'i. Honolulu, Hawai'i. 26 September.
- 1996: **Etkin, N.L.** and T. Johns. "Pharmafoods" and "Nutraceuticals:" Paradigm Shifts in Biotherapeutics. Medicines and Foods. Invited Keynote Address. Joint Meeting of the International Society for Ethnopharmacology, and the Society for Economic Botany. London. 1-6 July.
- 1996: **Etkin, N.L.** and P.J. Ross Reframing Studies of Plant Medicines. Invited Plenary Address. European Colloquium on Ethnopharmacology, and the International Conference on Anthropology and the History of Health and Disease. Genoa, Italy. 29 May - 2 June.
- 1995: **Etkin, N.L.** The Rational Basis of "Irrational" Drug Use: Pharmaceuticals in the Context of "Development." International Institute and School of Pharmacy, University of Michigan. Ann Arbor. 24 October.



- 1995: **Etkin, N.L.** Medical Anthropology – Bridging the Social Sciences and the Professional Schools of Medicine, Pharmacy, and Public Health. International Institute, University of Michigan, Ann Arbor. 25 October.
- 1995: **Etkin, N.L.** Plants as Antimalarial Drugs: Relation to G6PD Deficiency and Evolutionary Implications. Invited Plenary Address. International Symposium on G6PD Deficiency: Evidence for Adaptation and Health Consequences. Cortona, Italy. 3-5 July.
- 1995: **Etkin, N.L.** Antimalarials of Plant Origin. Invited Plenary Address. Presented as part of the symposium “Biochemical Co-Evolution: Some Evolutionary Implications.” Annual Meeting of the Society for Economic Botany. Ithaca, New York. 21-25 June.
- 1995: **Etkin, N.L.** Medicinal Cuisines: Diet and Ethnopharmacology. Invited Plenary Address. Functional Foods for Health Symposium. University of Illinois. Chicago, Illinois. 22-24 May.
- 1995: A.R. Dixon, **N.L. Etkin**, and P. Nishimoto. Preliminary Findings on the Current Use of Complementary Medicine among Hawaii's Residents. Invited Plenary Address. E Ola Mau Symposium “Health and Healing: Ancient Traditions in a Modern World.” Wai’anae, Hawai’i. 31 March - 1 April.
- 1995: **Etkin, N.L.** The Pharmacologic Implications of Conserving Biodiversity through Indigenous Models of Plant Utilization. Annual Conference of the Society of Ethnobiology. Tucson, Arizona. 15-18 March.
- 1994: **Etkin, N.L.** Making Sense of the Therapeutic Jungle. Presented to the 93rd Annual Meeting of the American Anthropological Association, Invited Discussion for the session “Culture, Perception, and the Environment.” Atlanta, Georgia. 30 November - 4 December.
- 1994: **Etkin, N.L.** The Pharmacologic Implications of Conserving Biodiversity through Indigenous Models of Plant Utilization. Invited Keynote Plenary Address. Third International Congress on Ethnopharmacology. Beijing, China. 6-10 September.
- 1994: Dixon, A.R. and **N.L. Etkin**. Health and Healing in the Informal Sector of Medicine. Conference on Health Care in the Twenty-First Century: Implications for Nursing Practice and Research. Honolulu, Hawai’i. 9 September.
- 1993: **Etkin, N.L.** The Flexible Forest: Ethnopharmacologic Perspectives on Diet and Medicine. Plenary Address. Colloque Européen d’Ethnopharmacologie, and la Conférence Internationale d’Ethnomédecine. Heidelberg, Germany. 24-27 March.
- 1992: **Etkin, N.L.** and F. Hopkins. Contemporary Uses of Medicinal Plants in Hawai’i. Annual Meetings of the Society for Economic Botany and the American Institutes of Biological Sciences (AIBS). Honolulu, Hawai’i. 9-13 August.
- 1992: **Etkin, N.L.** A Multicontextual Framework for Assessing the Health Significance of Human-Plant Interactions. National Symposium on People-Plant Relationships: Setting Research Priorities. Newark, New Jersey. 24-26 April.
- 1992: **Etkin, N.L.** Anthropological Methods in Ethnopharmacology. Keynote Plenary Address. Second International Congress on Ethnopharmacology. Uppsala, Sweden. 2-4 July.
- 1991: **Etkin, N.L.** Symposium Organizer. “Eating on the Wild Side: The Pharmacologic, Ecologic, and Social Implications of Using Noncultigens.” Council on Nutritional Anthropology Invited Session to the 90th Annual Meeting of the American Anthropological Association. Chicago, Illinois. 20-24 November.
- 1991: **Etkin, N.L.** and P.J. Ross. Pharmacologic Implications of “Wild” Plants in Hausa (Nigeria) Diet and Therapeutics. 90th Annual Meeting of the American Anthropological Association, as part of the Invited Session “Eating on the Wild Side” sponsored by the Council on Nutritional Anthropology. Chicago, Illinois. 20-24 November.
- 1991: Ross, P.J. and **N.L. Etkin**. A Changing Hausa Diet: Digesting a Perspective on Disease Adaptation. 90th Annual Meeting of the American Anthropological Association, as part of the Invited Session “Thinking About Eating” sponsored by the Archaeology Division. Chicago, Illinois. 20-24 November.
- 1991: **Etkin, N.L.** The Problem of “Side Effects” in Planning Better-Informed Use of Pharmaceuticals. International Conference on Social and Cultural Aspects of Pharmaceuticals. Amsterdam, The Netherlands. 17-21 October.
- 1991: **Etkin, N.L.** The Behavioral Dimensions of Malaria Control: Guidelines for Culturally Sensitive and Microecologically Germane Policies. American Association for the Advancement of Science (AAAS) Conference “Malaria in Sub-Saharan Africa: A Cross-Sectoral Approach.” Mombasa, Kenya. 24-28 May.
- 1991: **Etkin, N.L.** and B. A. Meilleur. Ethnomedicine in Polynesia: Past Trends and Future Directions. XVII Pacific Science Congress. Honolulu, Hawai’i. 27 May - 2 June.
- 1990: AAAS Malaria in Africa Project Advisory Committee Meeting and Workshop. Washington, D.C. 13-20 September, 6-11 November.
- 1990: **Etkin, N.L.** and P.J. Ross. Domestic Risk Factors in Diseases of Childhood in Northern Nigeria. 89th Annual Meeting of the American Anthropological Association, as part of the Invited Session “Household Ecology of Disease Transmission,” sponsored by the Society for Medical Anthropology. New Orleans, Louisiana. 27 November - 1 December.



- 1990: **Etkin, N.L.** Diet and Ethnopharmacology. Invited Keynote Plenary Address. International Congress on Ethnopharmacology. Strasbourg, France. 5-9 June.
- 1990: **Etkin, N.L.** Methodologic Questions in Medical Anthropology Research: Approaching the Community. School of Public Health. University of Minnesota Medical School. Minneapolis, Minnesota. 12 April.
- 1990: **Etkin, N.L.** Bio-Behavioral Perspectives in Medical Anthropology. Department of Anthropology. University of Minnesota. Minneapolis, Minnesota. 27 February.
- 1990: **Etkin, N.L.** Evaluating Efficacy: Indigenous Medicines in Nigeria. Humanistic Health Forum. University of Minnesota Medical School. Minneapolis, Minnesota. 6 February.
- 1989: **Etkin, N.L.** and P.J. Ross. The Greater Risk of Fewer Deaths: An Approach to Infant Mortality in Hausaland. 88th Annual Meeting of the American Anthropological Association, as part of the Invited Session "Infant Morbidity and Mortality: Relationships to Fertility" sponsored by the Biological Anthropology Section. Washington D.C. 15-19 November.
- 1989: **Etkin, N.L.** Pharmaceuticals and Plant Medicines in Nigeria. University of Maryland Department of Anthropology. College Park, Maryland. 29 March.
- 1989: **Etkin, N.L.** Plants and Pills: The Dynamics of a West African Medical System. University of Hawai'i. Honolulu, Hawai'i. 2 March.
- 1988: **Etkin, N.L.**, P.J. Ross, and I. Muazzamu. The Indigenization of Pharmaceuticals: Therapeutic Innovations in Rural Hausaland. 87th Annual Meeting of the American Anthropological Association. Phoenix, Arizona. 16-20 November.
- 1988: **Etkin, N.L.**, P.J. Ross, and I. Muazzamu. Indigenous Medicine and Biomedicine in Transition: A Study in Rural Northern Nigeria. 31st Annual Meeting of the African Studies Association. Chicago, Illinois. 28-31 October.
- 1988: **Etkin, N.L.** Traditional Medicine and Traditional Diseases: A Framework for the Evaluation of a Hausa Herbal Pharmacopoeia. Keynote Address. Annual Meeting of the Nigerian Society of Pharmacognosy. Zaria, Nigeria. 8 January.
- 1987: **Etkin, N.L.** Anthropological Perspectives on Health. Multi-Disciplinary Forum on Health. School of Nursing. University of Minnesota. Minneapolis, Minnesota. 11 February.
- 1987: **Etkin, N.L.** Food as Medicine and Medicine as Food. Carlton College. Northfield, Minnesota. 21 May.
- 1987: **Etkin, N.L.** Anthropologic Approaches to Cross-Cultural Health Issues. School of Public Health, University of Minnesota Medical School. Minneapolis, Minnesota. 16 April.
- 1986: **Etkin, N.L.** Medicinal Food and Nutritious Medicine: Implications for Health. Food and Values Conference. Hamline University. St. Paul, Minnesota. 11 June.
- 1986: **Etkin, N.L.** Medical Anthropology and Its Relation to Public Health. School of Public Health. University of Minnesota Medical School. Minneapolis, Minnesota. 17 April.
- 1986: **Etkin, N.L.** Processual Healing and Cultural Constructions of Efficacy. Department of Anthropology, Northwestern University. Evanston, Illinois. 28 April.
- 1986: **Etkin, N.L.** Cultural Interpretations of Health. Presentation and Workshop for "First Do No Harm: A Symposium on Preventive Medicine." School of Medicine, University of Minnesota. Minneapolis, Minnesota. 3 May.
- 1983: **Etkin, N.L.** and J.W. Eaton. Blood Bankers, Viruses, and ABO Blood Groups. 52nd Annual Meeting of the American Association of Physical Anthropologists. Indianapolis, Indiana. 6-9 April.
- 1983: **Etkin, N.L.**, J.W. Eaton, O. Gomez-Marin, R. Prineas, and R. Gillum. Red Cell Permeability and Blood Pressure: the Minneapolis Children's Blood Pressure Study. 23rd Annual Conference on Cardiovascular Disease Epidemiology. Dallas, Texas. 3-5 March.
- 1983: Ross, P.J. and **N.L. Etkin**. How Can You Be in All Places at Once When You're Not Anywhere At All? Time Allocation Research and Fieldwork in Northern Nigeria. Workshop: Annual University of Minnesota Anthropology Conference. Woodbury, Minnesota. 20-22 May.
- 1982: Mahoney, J.R., **N.L. Etkin**, J.D. McSwigan, and J.W. Eaton. Abnormal Red Cell Sodium Transport in Essential Hypertension. Annual Meeting of the Academy of Clinical Laboratory Physicians and Scientists. Seattle, Washington. 23-25 June.
- 1982: **Etkin, N.L.**, J.R. Mahoney, J.D. McSwigan, and J.W. Eaton. Altered Erythrocyte Sodium Transport in Essential Hypertension. 51st Annual Meeting of the American Association of Physical Anthropologists. Eugene, Oregon. 31 March - 3 April.
- 1981: **Etkin, N.L.** Nutritional Anthropology: Research Questions and Methodologic Implications. Biomedical Anthropology Colloquium. University of Minnesota. Minneapolis, Minnesota. 11 February.
- 1981: **Etkin, N.L.** and P.J. Ross. Food as Medicine and Medicine as Food: An Adaptive Model for the Interpretation of Plant Utilization among the Hausa of northern Nigeria. Annual Ethnobiology Conference. Columbia, Missouri. 13-14 March.
- 1981: **Etkin, N.L.**, J.R. Mahoney, and J.W. Eaton. Hemoglobin S: Molecular Basis for Antimalarial Effect. 50th Annual Meeting of the American Association of Physical Anthropologists. Detroit, MI. 22-25 April.



- 1981: Mahoney, J.R., **N.L. Etkin**, J.D. McSwigan, and J.W. Eaton. Abnormal Red Cell Cation Permeability in Essential Hypertension. Annual Meeting of the American Society of Hematology. San Antonio, Texas. 5-8 December.
- 1980: **Etkin, N.L.** Biochemical Evaluation of Indigenous Medicines. Department of Social and Administrative Pharmacy, University of Minnesota School of Pharmacy. Minneapolis, Minnesota. 10 March.
- 1979: **Etkin, N.L.** and P.J. Ross. Indigenous Medicine, Diet, and Malaria among Hausa of Nigeria. 78th Annual Meeting of the American Anthropological Association. Cincinnati, Ohio. 27 November - 1 December.
- 1980: **Etkin, N.L.** Biocultural Issues in Medical Anthropology. University of North Dakota. Grand Forks, North Dakota. 11 April.
- 1979: **Etkin, N.L.** Bio-behavioral Studies in Medical Anthropology and Public Health. School of Public Health and Department of Pediatrics, University of Minnesota. Minneapolis, Minnesota. 15 November.
- 1979: **Etkin, N.L.** Factors Influencing Diet and Nutrition in Developing Countries: A Case Study among the Hausa. Keynote Address. Memphis District Dietetic Association Meetings. Memphis, TN. 10 April.
- 1979: **Etkin, N.L.** and P.J. Ross. Disease, Nutrition, and Indigenous Medicine. 22nd Annual Meeting of the African Studies Association. Los Angeles, California. 31 October - 3 November.
- 1979: **Etkin, N.L.** Symposium Organizer, Empirical Methods in the Evaluation of Indigenous Medical Systems: Cross-Cultural Comparisons. Invited Session for the 14th Annual Meeting of the Southern Anthropological Society. Memphis, Tennessee. 22-24 February.
- 1979: **Etkin, N.L.** An Indigenous Medical System among Hausa of Northern Nigeria: Laboratory Evaluation for Potential Therapeutic Efficacy of Antimalarial Plant Medicinals. Annual Meeting of the Southern Anthropological Society. Memphis, Tennessee. 22-24 February.
- 1978: **Etkin, N.L.** Empirical Evaluation of Hausa Medicinal Flora. 47th Annual Meeting of the American Association of Physical Anthropologists. Toronto, Canada. 12-15 April.
- 1974: **Etkin, N.L.** and J.W. Eaton. Malaria-Induced Erythrocyte Oxidant Sensitivity. International Conference on Red Cell Metabolism and Function. Ann Arbor, Michigan. 16-19 October.
- 1974: **Etkin, N.L.** and J.W. Eaton. Selective Advantage of Glucose-6-Phosphate Dehydrogenase Deficiency: the Biochemical Basis. 43rd Annual Meeting of the American Association of the American Association of Physical Anthropologists. Amherst, Massachusetts. 10-13 April.
- 1972: **Etkin, N.L.** and J.W. Eaton. Glucose-6-Phosphate Dehydrogenase Deficiency: Mode of Protection against Fulminant Malaria Infection. 71st Annual Meeting of the American Anthropological Association. Toronto, Canada. 20-26 November.
- 1972: Eaton, J.W., M. Boraas, and **N.L. Etkin**. Catalase Activity and Red Cell Metabolism. International Conference on Red Cell Metabolism and Function. Ann Arbor, Michigan. 27-29 April.

GOVERNANCE/LEADERSHIP/PROFESSIONAL SERVICE

Nina Etkin directed the University of Hawai'i Medical Anthropology Program and participated as well in curriculum, research, and advising in the Cultural, Ecological, and Biological Anthropology concentrations. She served in 2001-2002 as Department Chair, and since 2002 as Graduate Chair. On another level, she has participated in university-wide governance through the activities of the following committees, on each of which she served an average of 2 years; Graduate Council; Tenure and Promotion Review Committee; Gender and Ethnic Minority Faculty Equity Review Panel; Committee for PhD Proposal in Food and Environmental Sciences; Planning Committee, Program on Human Biology; School of Medicine Basic Sciences Committee; University Program Review Committee; Committee on Human Subjects in Research; and the Arts and Sciences Faculty Executive Committee. Similarly, Nina Etkin has served the UH College of Social Sciences through the Social Sciences Research Council; Social Science, Health, & Medicine Certificate Program Committee; and CSS Program Review Committee.

Each year Nina Etkin reviewed 20-25 manuscripts for *Social Science and Medicine*; *Medical Anthropology*; *American Anthropologist*; *Africa*; *Economic Botany*; *Human Biology*; *Medical Anthropology Quarterly*; *Journal of Laboratory and Clinical Medicine*; *Journal of Ethnobiology*; *Ecology of Food and Nutrition*; *Journal of Ethnopharmacology*; *Pharmaceutical Biology*; *Folklore*, and others; 4 book manuscripts for major university presses and other academic publishers; 8-10 grants for the National Science Foundation, Social Science Research Council, National Institutes of Health, National Geographic Society, and others.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

International Society of Ethnopharmacology
 American Association for the Advancement of Science
 Fellow, The Linnean Society
 Society for Medical Anthropology
 Human Biology Association

Society for Economic Botany
 Austrian Society for Ethnomedicine
 Health Action International
 International Health & Infectious Diseases
 Ame Assoc of Biological Anthropologists



Society of Ethnobiology
American Society of Pharmacognosy
International Council on Social and
Cultural Aspects of Pharmaceuticals
Society for Anthro of Food and Nutrition

American Anthropological Association
African Studies Association
Nigerian Society of Pharmacognosy
Phi Beta Kappa
Sigma Xi

AREAS OF PROFESSIONAL INTEREST: RESEARCH, TEACHING, CONSULTING

Medical Anthropology
Cultural Ecology and Political Economy of Health
Food, Health & Society
Ethnomedicine
World Systems/Globalization & Health
Integrative (Complementary & Alternative) Medicine

Hawai'i and the Pacific
Indonesia
West Africa

LANGUAGE PROFICIENCY other than English

Spanish: Reading, Writing, Speaking
French: Reading, Writing, Speaking
Russian: Speaking
Hausa: Speaking
Italian: Technical Reading
Indonesian: Limited Speaking



Conferences where Nina Etkin will be honoured

- May 31-June 4, 2009 - Charleston, South Carolina, USA - College of Charleston - SEB 2009 - 50th Annual Meeting - **African Ethnobotany in the Americas** - <http://www.econbot.org/>

Nina Etkin was named a recipient of the 2009 Distinguished Economic Botanist Award by the Society for Economic Botany (SEB), the Society's highest honour. The Society will celebrate her life and career.

- September 20 -25, 2010 – Castilla La Mancha, Spain - **11th ISE congress "in memoriam"** Nina Etkin

Impressum

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