

## AMERICAN PUBLIC HEALTH ASSOCIATION

# The John W. Knutson Distinguished Service Award in Dental Public Health—2000 Recipient Alice M. Horowitz

**Myron Allukian, Jr., DDS, MPH, Director of Oral Health, Boston Public Health**

A national and international stimulus and catalyst for better oral health

The perpetual oral health educator and promoter

A tireless leader and advocate Scientifically based, but yet pragmatic

Compassionate, dedicated, and inspirational

Never afraid to ask the tough questions

Never afraid to speak up for what's right

A voice for the voiceless

A true leader, yet very modest and humble.

Actually, I'm not sure how much more I can or should say about Alice. I was given no time limit or sense of direction. I'm musically and poetically challenged, and Alice provided no help, because she was always too busy. Also, as Alice is so serious and committed about her work, I wasn't sure if I should give a professional or humorous presentation, so I decided to try to do both. I know other speakers here tonight will detail Alice's many outstanding achievements and contributions. I will speak from my perspective and experiences with Alice.

Alice is the second woman to receive the Knutson Award since it was initiated in 1982, the first being Martha Fales in 1987, who is here tonight. Let's give Martha a round of applause.

I thought I'd begin my presentation about Alice with a funny story. But I didn't want to embarrass Alice or her husband, Hersh, so I pretested the story with Hersh last night. He frowned and said, "That's inappropriate, Myron, but I've got a funny story." He then proceeded to tell me his funny story. Now I've got two inappropriate stories. (That's a joke.) I've known of Alice most of my professional career (who hasn't), but I've had the privilege of working with her in a variety of

different ways for about the last 25 years.

## **Alice—My Oral Health Super Heroine**

Alice was a born oral health advocate who is totally committed to better oral health from head to toe. She is scientifically based in all of her advocacy, and often ahead of her time. For example, when there was a national plaque control movement in the 1970s with universal flossing sessions based on "fuzzy math" and "fuzzy studies," it was Alice who, along with her colleagues, did the studies that showed it didn't work on a population basis. Whenever there is a national dental meeting, and someone presents new or old information that is not scientifically based, you can count on Alice to ask the tough questions. Alice has boundless energy and enthusiasm to promote better oral health. For me she is the Superwoman of Oral Health.

## **Alice—the Super Oral Health Educator and Promoter**

Alice is the Super Oral Health Educator and Promoter. In her career, she has always been on the cutting edge of promoting new, scientifically based prevention programs, whether it's school fluoride programs, sealants, or oral cancer. Alice is like a national technological transfer agent for better oral health. She is probably the best-known health educator in oral health in the world. It is Alice who has educated us about the importance of health education as an integral component of dental public health and the difference between health education and health promotion.

## **Alice—the Super Change Agent**

Alice is always ready to make things better. When the American Association of Public Health Dentistry (AAPHD) was considering changing its name and membership requirements in the 1970s to allow dental hy-

gienists to become full voting members, it was Alice who helped lead the troops. When I was AAPHD president in 1985, one of my goals was to have the AAPHD fluoridation pamphlet updated. We then asked one of the most widely recognized experts in dental epidemiology and fluorides to update the pamphlet. After much prodding, he accepted. (I won't mention his name, so as not to embarrass him). As expected, he did an excellent job; however, he wrote it for an audience of public health dentists, rather than the general public. Everyone, including the printer, was waiting for it. We were in a dilemma. Do I ask him to redo it and aggravate him, or do I have someone else redo it and aggravate him? So I called Alice. Her response was, "Don't worry, I'll handle it." So, early on a Sunday morning, for three hours Alice went over the document with me on the phone, line by line, so we would have a user-friendly public brochure. Subsequently, hundreds of thousands of these brochures were requested for use all over the United States. True to Alice's word, I never heard a peep from the dental epidemiologist.

Alice and her husband, Hersh, are a unique team. Two very different individuals who have each made enormous contributions for better oral health in their own areas of expertise. They are also the first married couple to have each, due to their own contributions, received the Knutson Award. When Alice and Hersh first got married, Alice, who is ahead of her time on almost every issue, said to Hersh, "Let's have a prenuptial agreement, Hersh; you make all the major decisions, and I'll make all the minor decisions." Now, after 30 years of marriage, Hersh tells me that he still hasn't had to make a major decision! (That's a joke.)

## **Alice—the World Traveler**

There is an old Armenian proverb:

It is not she who has lived the  
longest,  
But she who has traveled the  
farthest,  
Who knows the most.

Alice has not only traveled all over the United States and the world promoting oral health, but has traveled in our hearts and minds. Her energy and compassion for better oral health is boundless and infectious. Her prevention and oral health expertise is invaluable. She is well known and revered in countries like Japan, Korea, and Thailand. Her home is like a foreign embassy and watering hole for visiting dental public health dignitaries and students.

#### **Alice—the Dental Leader**

Alice has been very active in many organizations, including the Ameri-

can Public Health Association (APHA), the oldest and largest public health association in the world. She has been chair of the Oral Health Section and chair of the International Council, which represents all of APHA's sections. She has served on many different committees and is now on the Publications Board, which is responsible for all of APHA's scientific publications. You can be sure that Alice scrutinizes all proposed publications to make sure that oral health is considered.

In 1992 Alice became president of the American Association of Public Health Dentistry, the first hygienist to be in that position. Under her leadership, AAPHD moved ahead in helping to obtain congressional authorization for dental public health residencies, increase the visibility of oral health in HRSA, and to include oral health in

national health care reform—a significant and major achievement. It was a very productive year for AAPHD.

It is an honor and a privilege for me to say a few words about Alice on her receiving dental public health's highest award—the John W. Knutson Distinguished Service Award. Needless to say, one could speak for hours about all of Alice's contributions. There is no question that the American taxpayers are getting more than 100 times their money's worth with Alice. We as a profession are also fortunate to have such a committed and productive colleague among us. And on a personal level, I have thoroughly enjoyed working with her, arguing with her, being challenged by her, and learning from her.

With Alice, after all is said and done, more is said and done.

#### **Harold S. Goodman, DMD, MPH, Director, Maryland Office of Oral Health**

It is with great honor and humility that I have been asked to celebrate Dr. Alice Horowitz's receiving the prestigious American Public Health Association Oral Health Section Knutson Award. I honestly cannot think of a better person currently in the dental public health field more deserving of this award. Alice is quite simply one of the finest, principled, dedicated, and energetic people in dental public health today. Principled and dedicated? Although I didn't know Alice when I first decided to formally pursue a dental public health career, she would have been my prototype for what constitutes dental public health, the proverbial picture in the dictionary under the definition of dental public health. Energetic? I made the mistake a month or so ago of feeling sorry for Alice when I first saw her on crutches. I saw the crutches as perhaps slowing Alice down and perhaps dousing the energetic and eternal flame that fuels Alice's heart each and every day. But I forgot that we are dealing with Alice Horowitz here—I now feel sorry for those crutches, for they will never be able to keep up with Alice's marathon sprint to make this world a better place to live. And she has done just that.

I am not going to delve too deeply into the many incredible individual achievements to prevent disease and

promote health in our community and society that Alice has accomplished in her career since they are well known and likely will be well documented by others in preparation for her receiving this award. So be it to say that Alice is a recognized national and international investigator and advocate for oral disease prevention and health promotion and she has extensively lectured, counseled, and contributed to community and academic oral health programs both in the United States and abroad. In recognition of the contributions that Alice has made to improve health throughout the world, she has been the recipient of many distinguished awards. She has held high elected and appointed positions in many professional dental organizations and she still remains incredibly involved in activities that will shape the future in dentistry, most notably the Healthy People 2010 Oral Health Objectives and the Surgeon General's Report on Oral Health, among many other projects.

My personal appreciation and admiration for Alice Horowitz goes back approximately 10 years to our collaborative efforts to address the prevention and early detection of oral and pharyngeal cancers. I have had the fortuitous opportunity to be part of her unwavering and energetic commitment

to make Maryland a model state in the prevention of oral cancer. Very early on, I came to appreciate and respect Alice's interest in and understanding of state and local dental programs and their importance in addressing the oral health concerns of our nation. And no matter how small the state or local function, Alice would always be there for me if I asked.

As a state dental director, I have come to appreciate that, to develop and apply appropriate strategies and policies, I must strike a balance between using data and listening to people—whether it be a consumer, advocate, legislator, or other interested partner. I learned early on in working with Alice that she not only obviously understands the importance and utility of data, but also the subjective meaning and translation of that data as they affect real people. While essential in understanding needs and formulating policies, the DMFS caries index cannot measure the cries of children waking up in the middle of the night with pain from a toothache. Through her work in caries prevention, health promotion, and her unwavering advocacy of community water fluoridation, it is obvious that Alice hears those cries. And while tooth loss has been called dentistry's mortality statistic by some, morbidity

and mortality due to oral and pharyngeal cancers represents a literal manifestation of the loss of life or at least the loss of quality of life when a simple, routine oral health examination is not rendered in a timely fashion. Through her efforts in this area, Alice again demonstrates her unique scientific and personal understanding of the ravages of cancer and she has used it to her best advantage.

Alice has designed a comprehensive and analytic approach for both Maryland and the country that encompasses an understanding of the epidemiology of this disease and the oral cancer knowledge, opinions, and practices of both health care providers and the public. She intends to use this information to fashion new and innovative health education and promotion approaches, as well as to impact dental school curricula and state and federal policies. Because of her determination and persistence she has been singularly responsible for bringing state and national attention to this once ignored cancer and we all should be eternally grateful for these efforts. For through her work in this area, patients whose lives are saved as the result of routine and early findings of oral cancer by their general health care practitioner will likely not know or

have ever heard of Alice Horowitz, but may have her to thank.

I am lucky and proud to be from Maryland for many reasons: it's America in miniature; we have arguably the best hardshell crabs in the country; we have a classic baseball stadium; we overwhelmingly picked the right person in this past presidential election without a vote recount; and we are home to federal agencies such as HRSA, HCFA, and NIDCR, among others. And so I have been very fortunate in having the opportunities and unique advantage over my peer state dental directors in working with people like Alice. Although we perhaps drank a few too many Starbucks coffees together, I have been very lucky to spend the many substantive and fun hours working with her, picking her brain, and bouncing ideas or opinions off her.

And, yes, she is known to have an opinion or two. And sometimes those opinions can be vented in my direction—I know trouble is on the horizon when she starts out a conversation "Listen, we have to talk." But even when we have differences or don't see eye to eye on something, it's an honest exchange and you know where you stand with Alice—and I think you really can't ask for anything more. And

through it all, she never fails to ask about the latest news concerning my family. Of course, her partner, as she calls him, Hersh, also attends many of the state projects and presentations that we work on together and again I am all the better for it. I know my life has been changed for the better in working with Alice and I am proud and honored to be able to call her a friend.

In conclusion, I am very gratified to have this opportunity to honor Dr. Alice Horowitz in her receiving the Knutson Award. However, her work doesn't end with receiving this award and it is most heartening that Alice still has so much more to offer and contribute to the world. In this unique period of uncertainty and vote recounts, I am certain that a recount in this case would only confirm by unanimous vote the respect and regard that Alice's peers have for her. The commitment, expertise, energy, and joy that she continues to bring to the public health forum over which she presides honor all of us who work in dental public health. And her enduring efforts in improving the health of our families, communities, and society serve as a model and a challenge for current and future generations.

### Herschel S. Horowitz, DDS, MPH

Some of you may recall that when I received the John W. Knutson Award a few years ago, Alice Horowitz, who will receive that award tonight, gave one of the introductory presentations. In her remarks, Alice proceeded to "roast" me. She let the dental public health world know what a bumbling idiot I sometimes am. As examples, she described my klutziness in doing chores around our home; how I cut the pocket flap off a new sports jacket in an attempt to remove stitches that were keeping the pocket closed; how I assumed that a T-shirt she had bought for a friend's child which showed a child's hand with two raised fingers and proclaimed "I am this many" was for me and I told her that I didn't want that one; and how my inventory of art for sale has grown out of its designated room and leans against walls and any other space I can appropriate in our home. The list goes on, but I think you

gather the tenor of many of Alice's remarks describing my so-called life.

After Alice was informed that she had been selected as this year's recipient of the Knutson Award and subsequently asked me if I would say a few introductory remarks for the occasion, I jumped at the opportunity. Not only was I pleased that I would have a chance to expound a bit on Alice's accomplishments, but I thought that I would have an opportunity to get even with Alice by "roasting" her. My problem in accomplishing the second objective is that Alice does not do any dumb things. Maybe that's because she's too busy correcting or repairing all my mistakes. I barely have enough material to lightly brown Alice, let alone roast her.

A few things come to mind, though. For example, for many years before we had a self-focusing camera, when Alice would take a photograph, I

would generally set up the approximate focus for the shot before turning the camera over to her. Before she took the picture I usually would ask, "Is it in focus?" Invariably, she would answer "yes." After 20 or so years of this ritual, a chance conversation revealed that Alice thought my question on focusing meant whether or not she could see me or the object of the photo in the viewfinder of the camera. Other examples abound of how we fail to communicate when we think we are.

Alice was born in southern California and spent her early years in the towns of Taft and Ventura. She was the second child of four of Ruby and Hank Munkhoff (that's what the initial M stands for in Alice M. Horowitz). Her father worked in the oil well supply industry and her mother ran the cafeteria in a school and was a homemaker and childrearer extraordinaire. Ruby prepared all kinds of fresh vegetables

for the family's consumption (whereas most of mine came out of cans). Hank was a good provider, particularly adept at obtaining free fruit growing in orchards and produce from farms near their home. Alice is as chauvinistic about her home state as anyone I know. When we meet new people, I wait for Alice to inform them that she is a fourth-generation Californian and that her children are fifth-generation Californians and that her grandchildren are sixth generation Californians. I am never disappointed. She has a right to be proud: Alice's great grandparents migrated to California by covered wagon and farmed in the Watts area of Los Angeles.

As a youngster, Alice developed a love for horses, and became an accomplished equestrienne, mainly to emulate or compete with her older sister. Although I knew this when I married Alice, her competence at this endeavor only struck me when we visited Alice's mother in Utah shortly after we were married and I saw the dozens of colorful ribbons and trophies Alice had won at horse show competitions. She even was Queen of the Rodeo at the 1947 Ventura County Fair, much to her sister's chagrin. In the 30 years of our marriage, Alice has threatened to get me onto a horse, but so far she has failed.

After completing the 10th grade, Alice dropped out of high school to marry. After having two children, Alice came to the conclusion that she must receive an education to achieve her newly realized goals in life. Her husband at the time, an army career person, was not particularly supportive, but agreed to permit Alice to return to school to complete her high-school education. Alice's biggest obstacle was convincing the superintendent of schools in Mountain Home, Idaho, and the principal of the high school she wished to attend to permit her to become an 11th grade student at age 23. They were afraid that she would not be a good role model for her younger classmates; they were worried that this older woman might lead the innocent 16-year-olds astray. Finally, school officials conditionally agreed to permit Alice to register for school. Not only did Alice excel academically in high school, but she won awards and recognitions from the school system and her fellow students.



*Alice with her father—developing an early love for horses.*

Among Alice's friends in Idaho were a dentist and his wife, a dental hygienist. Their friendship led Alice to believe that dental hygiene would be a good profession for her to gain fulfillment and independence. Alice separated from her husband and traipsed off to Iowa City with her children to enroll in the University of Iowa's School of Dental Hygiene. She received her certificate in dental hygiene in 1961, earned a baccalaureate degree the following year, joined the faculty of the dental school at the University of Iowa, and immediately enrolled in the master's program at the university, earning her MA in education in 1965.

Life was not easy for her, supporting herself and two children while going to school. After she received her dental hygiene certificate, she worked part time in private practice as a dental hygienist while going to school to complete her baccalaureate. It was not until about 1970 that she gave up working part time as a dental hygienist to pay off the debts she had incurred to gain her education. A family joke between us is my suggesting periodically to this day that I think she ought to get a job cleaning teeth on Saturdays. Although I did not know Alice at the time, I frequently think about the fortitude and drive that she possessed to return to high school in

her 20s with two children to rear, who turned out very nicely, and end up where she is today as a leader in oral health education and research.

In the late 1980s, Alice decided that the time was right for her to fulfill a long-term goal of obtaining a doctorate degree. She returned to school while working full time and earned a PhD in health education from the University of Maryland in 1992, at age 59.

Alice has published widely, including more than 80 papers in peer-reviewed journals, 11 chapters in textbooks, and 11 monographs on various oral health topics. She has written and/or produced six educational films on fluorides, particularly important ones on the use of fluorides in school-based programs. Many of the posters she developed on fluorides and sealants during the 1970s and 1980s in various languages are still posted; I still observe them displayed in offices and schools when I travel. She conscripted colleagues, our friends, and the children of colleagues and friends (including the wife of one director of the NIDR) to be photographed for these posters. I get a kick out of seeing some of these posters with photographs of infants and toddlers who now are adults.

Alice has been chairperson of the Dental (now Oral) Health Section of the American Public Health Associa-

tion and on the association's Intersection Council, Governing Council, and Nominating Committee. Currently, she is a member of APHA's Publications Board. She has been president of the American Association of Public Health Dentistry (the first dental hygienist to hold that post) and served on AAPHD's Executive Council. She was associate editor for the *Journal of Public Health Dentistry* from 1992 until this year.

Among her many honors and awards, Alice received the prestigious H. Trendley Dean Award from the International Association for Dental Research in 1992, the Distinguished Service Award from AAPHD in 1999, a year 2000 Health and Human Services Award for Distinguished Service, and an NIH Director's Award in 1999.

Among her many professional activities, Alice may be most proud of the guide she developed on how to implement school-based programs for the use of fluorides, particularly fluoride mouthrinsing and dietary fluoride supplements; her contributions to Healthy People 2000 and Healthy People 2010; and the conferences, workshops, and consensus development conferences on various topics that she has organized. In the past few years, her prime concern has been to increase the early detection and early treatment of oral and pharyngeal cancers. She

and her colleagues have gathered data from dentists, dental hygienists, nurse practitioners, physicians, and the public on their knowledge and attitudes regarding this disease, which readily can be prevented and treated successfully if detected early. She has been mentor to her granddaughters in their school science projects, convincing them to conduct studies with public health implications such as the effects of fluoride in hardening the shells of eggs, hand washing following use of bathrooms, and children's knowledge of oral cancer. Alice ensured that these projects were prize winners.

Alice is dedicated to educating the public and various health professions on health matters. These are not necessarily limited to issues that affect oral health. For example, Alice survived ovarian cancer 18 years ago because she was fortunate enough to have received a thorough pelvic examination, which led to the cancer's early detection before it had spread to the peritoneal cavity. Since then she has been an evangelical crusader in getting women to know what is involved in a good gynecologic examination. Only a month or two ago, she wrote to a columnist in a newspaper in Halifax, Nova Scotia, who had reported mistreatment by a gynecologist during a pelvic examination. Alice's thoughtful letter pointed out that it is possible that

a woman who had not been used to receiving a complete bimanual pelvic examination might think that a "new" doctor was being unduly rough or aggressive by doing a complete examination.

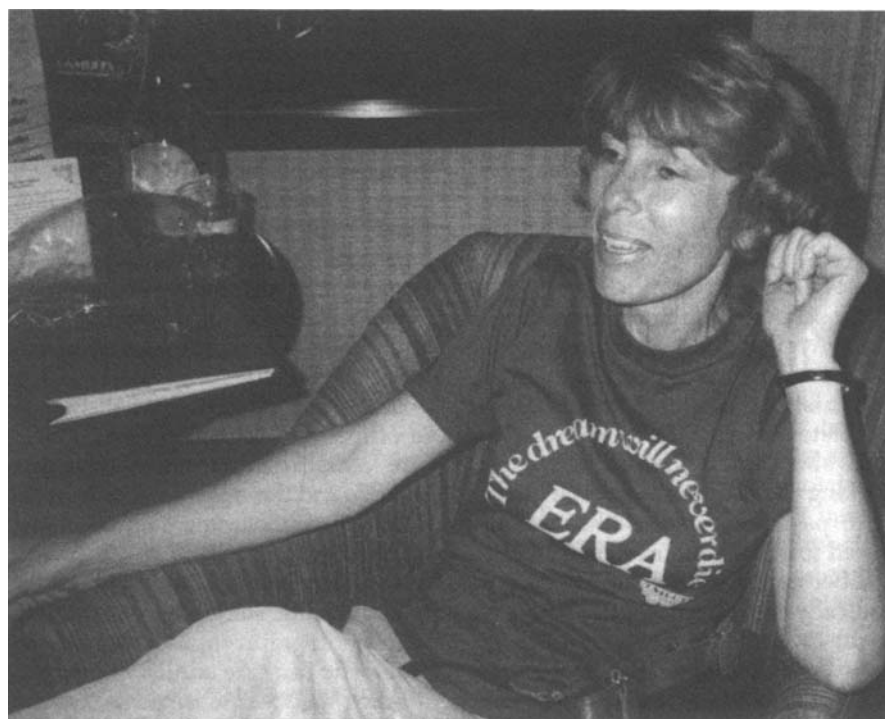
Alice also is compelled to educate family and friends on health matters. She so imbued the importance of good oral hygiene practices in her children that her daughter, Janet, claims that, as a child, when she got up to urinate in the middle of the night, the importance of brushing her teeth was so inculcated in her, that occasionally she would instead automatically get out her toothbrush and begin to brush her teeth, forgetting the urge that led her to wake up.

Alice is driven to contribute to society. She believes strongly that each of us has a duty to contribute to the betterment of the world, and not just to be a "taker." She zealously takes on public health issues and social problems and works assiduously to solve them. Somewhat in jest, I refer to Alice as Our Lady of Perpetual Responsibility for Everything.

She works tirelessly without complaint on the projects that she undertakes. For the past few years, there has not been a Saturday or Sunday when we are in town that Alice has not spent most of the day at her office. She has no intention of retiring as long as health promotion challenges remain that interest her. In fact, my prognostic scenario for Alice is that she will die at her office at age 97 on a Sunday.

Alice is happiest when she is working. In fact, we sometimes jest that she is in charge of work and I am in charge of fun. There's some truth to that because, even though Alice loves the theater, good films, ballet, and musical events, if we left it to her, we would never go to anything.

Alice is an extremely active person who believes in staying fit. She walks vigorously for more than two miles every day regardless of weather conditions. One of her shortcomings is her inability to relax. Her record relaxation time around our swimming pool is one and a half minutes. One of our good friends and a colleague of Alice's, Paravash Nourjah, mentioned recently that in her early meetings with Alice she observed that Alice never neglected an opportunity to exercise her body. If it were necessary at meetings to go to another floor, the use



*Alice's attire makes a statement.*

of elevators was verboten. Alice would walk vigorously between floors and exercised her arms over her head while on the stairs. At first Paravash thought Alice was deranged, but she has grown to love and admire her. When we travel, Alice invariably suggests taking the stairs in both directions and I am always admonished to

hold in my stomach during stair ascension.

Alice richly deserves being a recipient of the John W. Knutson Distinguished Service Award in Dental Public Health. I cannot think of anyone who has contributed more than Alice to educational issues of oral health. Her commitment and dedication to

these issues are exemplary. Although I have poked a little fun at her this evening, I am very proud of her and her accomplishments. She has inspired many of her colleagues, professionals from several other countries, and even me to work harder on oral health matters.

### **Dushanka V. Kleinman, DDS, MScD, Immediate Past President, AAPHD**

We are here to honor Dr. Alice Louise Munkhoff Horowitz and to celebrate her many achievements. Her curriculum vitae speaks for itself, so I will not focus on her education; her contributions to research and research agenda setting; to her advocacy for the public's health; to the visibility and action she has given to health education, health promotion, and health literacy; or to her many contributions to professional organizations and the community at large.

Instead, let me tell you about the Alice I know. It actually surprised me to recall that I first met Alice at an APHA meeting in Chicago in the mid-1970s, since it seems that she has always been in my professional and personal life. Alice is a constant reminder that we must adhere to and live a healthy lifestyle, a gift to ourselves and to those around us. Alice lives what she preaches. I have tried to walk her brisk walk. I have tried to eat her clean diet. She routinely informs me of new diagnostic tests that help stimulate and reinforce healthy behaviors. Just her presence makes those of us around her hide our candy bars, put a bounce in our step and stand a bit taller. I happen to know that Alice can make the most delicious lemon bars in the whole world—full of butter, eggs, and sugar. Yet she is able to resist such temptations. Ugh—how can she be so good?

Alice is a role model when it comes to caring for others. She forgets no one. Whether a friend, teachers from long ago, students, children—Alice is watching and taking deliberate steps to make sure that rewards, encouragement, get-well notes, sympathy cards, and any other type of support are appropriately provided. If Alice were an astronaut, we would need to watch over extraterrestrial beings, since she

would want to care for them. We all should be ecstatic to be on her "radar screen."

Alice mentors others in the art and science of mentoring. Alice actually has a sixth sense for mentoring. She serves on dissertation committees and is an avid sponsor of pre- and postdoctoral fellows, visiting scientists, and students, among others. In addition, Alice has perfected the "pre-mentoring" skill (a skill that has not yet been documented). This skill involves the uncanny ability to identify young individuals who yet do not know that they have a passion and interest in public health. She then "infects" them and provides continual exposure as needed until they have internalized the passion for public health. I understand Alice is planning a preconference workshop to provide a select group of individuals with this skill. I urge you to sign up quickly!

Alice has a natural internal time clock for catalyzing events and encouraging others to promote public health. In some incredible way, Alice is able to react at just the right moment in order to plan a symposium or workshop, submit an award nomination, or make a proposal. She is constantly pushing the envelope—and the fax—and the E-mail—and the phone and ... Has any one of you known someone who has said "no" to Alice, ultimately?

Alice is a living example of innovation and creativity. She deliberately studies everything from all angles and plans multifaceted strategies. What else can you say about someone who turns her dissertation on gaps in knowledge among women about gynecological and colorectal cancer screening into oral cancer screenings? When I was stymied as to how to introduce a Christmas tree into our in-

terfaith household, I called upon Dr. Alice to help. With her determined focus on a win-win outcome, Alice concocted a scheme. Then one night, miraculously with the ring of the doorbell, a decorated tree appeared upon our doorstep. How can you not let a lonely, free tree in during the holiday season? Alice turns challenges into opportunities.

Alice was health promotion before health promotion was cool. Just when I thought I had mastered the WHO definition of health, and the definition of dental public health, Alice had us memorizing the definitions and distinctions between health education and health promotion. Now we all must chant the definition of health literacy—are you ready?

Alice is a science transfer maven. She is a firm believer and practitioner of all forms of science transfer to all audiences. Workshops, conferences, symposia, CE sessions, training courses, publications, posters, pamphlets, special supplements, lectures, PSAs, films, televised programs, consensus conferences, editorials, and on and on. I don't believe there is a mechanism Alice has not used or proposed. Although I am not supposed to disclose unpublished experiments, I am sure Alice would not mind—I understand that the ST gene has been isolated from Alice and successful gene transfer experiments are well underway.

Alice is pure energy and knows how and when to have fun. I don't believe Alice really sleeps. Alice's activity level seems to keep escalating over time. Other than Hershey (and this is unconfirmed), has anyone seen Alice take a wink of sleep? Alice also can carve a mean pumpkin, she can dance a mean jig, she has hiked mountains and ravines throughout the world. It

might be sufficient to say that she has a pair of red rollerblades in her office—you can take it from there.

Alice is Dr. Horowitz. There once was a time when there was only one Dr. Horowitz, and we all know who that was. Sorry, Hersh, but we all know too well that those days are gone. Alice is a doctor of philosophy in health education, a senior scientist, a dental hygienist, a person who cares

about all those around her, whether she knows them or not. Alice is a wife, mother, grandmother of three granddaughters, friend, public advocate, and according to my husband, Joel, “a public health fascist.” Alice has made this large world fit into her hand. It is nothing for her to “grandmother” in California while she lectures in China and keeps all of us busy in the United States focusing on making sure we

have healthy people. Finally, let me take this opportunity to unveil the creation of the newest international unit of measure of time—the ALICE—the time it takes Alice to shift from one project to the next on behalf of the health of the public (measured in nanoseconds).

Alice, congratulations! I thank you for being a shaker and a mover and for being a guide to me and to others.