

A CENTURY OF CHANGE

A PROFESSION BORN

Historic Matrix Developed

For

WSEHA CONFERENCE

MAY 1999

BY

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With thanks to:

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Year	In The News	In Public & Environmental Health	
		Nationally	Washington
	THE PAST		
1900	Freud's Interpretation of Dreams Max Planck proposes quantum theory of energy	USA - Life expectancy = 47.3 years Germany – Karl Imhoff devises a sewage treatment tank (Imhoff Tank) France – Prof. Ringelman develops the Ringelman Chart for evaluating density of smoke emissions	
1901	Marconi send transatlantic wireless message	USA - Walter Reed proves Finlay's theory that yellow fever is transmitted by the <i>Aedes aegypti</i> mosquito. W.C. Gorgas demonstrates that yellow fever and malaria can be controlled by mosquito control	
1902		Chicago – City finally passes an ordinance requiring the reporting of disease	
1903	Wright Brothers fly at Kitty Hawk	USA – Stocking demonstrates advantage of small mouth milk pails in keeping dirt out of milk	
1904		USA – Commission shows that anemia in rural areas is due to hookworm and that lack of excreta disposal is the most important factor. US Army begins campaign against hookworm in Puerto Rico	
1905	Einstein's Theory of relativity ($E=mc^2$)	USA - Last major yellow fever outbreak in the US (New Orleans)	
1906	Earthquake hits San Francisco: "Paris of the West" burns	USA – Federal Food Laws enacted	
1907	Baekeland synthesizes plastic	New York - City Health Department provides garbage service until striking garbage men return to work	3 cases of Bubonic plague in Seattle.

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1908	Henry Ford builds the Model T	<p>USA – Congress passes limited workmen's compensation act.</p> <p>Kentucky – Jefferson County establishes first full time county health unit</p> <p>New Jersey – First large scale use of chlorination of public drinking water</p>	Seattle Department of Health formed with 80 men employed as rat trappers.
1909	First regular radio broadcasts begin in America Plastic is invented: revolutionizes products, packaging	<p>USA - Rockefeller Commission established to rid the South of hookworm</p> <p>US Bureau of mines begins investigation of hygiene and safety in mines</p>	In Seattle, the Yukon Exposition organizers pumped water from Lake Washington, in violation of law, causing 200 cases of Typhoid
1910		<p>USA – Stiles and Lumsden describe the first American type sanitary privy</p> <p>APHA - Publishes the first edition of <i>Standard Methods for the Examination of Milk</i></p>	
1911	Standard Oil loses Supreme Court antitrust suit: monopolies suffer blow	National Safety Council formed	Washington - Yakima County establishes county wide rural health services
1912	"Unsinkable" Titanic, largest manmade structure, sinks	<p>USA – Public Health Service Act authorizes investigation of water contamination related to human disease</p> <p>USPHS – establishes a Division of Industrial Hygiene</p> <p>New York – NYC adopts first milk grading system</p> <p>North Carolina – Robeson County forms first strictly rural county health department</p>	
1913	Henry Ford organizes the first major U. S. assembly line to produce Model T cars		
1914	World War I begins Panama Canal opens, linking the Atlantic and Pacific oceans	USA – W.T. Lockett discovers the activated sludge process	Rabies epidemic in Seattle

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1915			
1916			
1917	March - Soviet Revolution begins United States enters WWI	Swine Flu Pandemic / kills 20 million worldwide USA - USPHS begins major mosquito control program to combat malaria	
1918	November 11 – WWI ends		
1919			
THE 1920'S			
1920	Women win the vote U. S. Senate rejects Versailles Treaty: dooms League of Nations Mohandas Gandhi begins leading nonviolent reform movement in India	USA - Milbank Foundation begins funding demonstration PH agencies	
1921			
1922			
1923			
1924		USA – USPHS first publishes its <i>Standard Milk Code</i> Oil Pollution Act prohibits discharge of oil into US waters	
1925	Teacher John Scopes' trial pits creation against evolution in Tennessee		
1926			

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1927	Charles Lindbergh crosses the Atlantic in first solo flight Babe Ruth hits 60 home runs—a single-season record that would last for 34 years		
1928	Josef Stalin begins forced modernization of the Soviet Union: resulting famines claim 25 million	Fleming discovers penicillin	
1929	Dec. 27 - Stock Market Crash		
THE 1930'S			
1930		Life expectancy = 59.7 years	Early 30's were a time of little professional definition. It was "virgin territory", where those in the field learned on the job and from each other.
1931		USA – First issue of <i>The Sanitarian</i> (now the <i>Journal of Environmental Health</i>)	
1932	Democrat Franklin Roosevelt beats incumbent President Herbert Hoover		
1933	Adolf Hitler takes power FDR launches "New Deal": sweeping federal economic, public works legislation to combat depression		Throughout the late 30's, "New Deal" projects started across the state changing life styles especially in rural areas. These projects included electrification, communication, water and sewer projects, educational facilities and many other public works projects. Drilled wells replaced surface water sources for drinking water, septic tanks replaced privies, etc., all of that drastically improved the environmental health of rural and urban areas.
1934	Mao leads the Long March		

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1935		USA - Social Security Act → funding for state and local health departments (Title VI)	Kellogg Foundation grant to Washington State Department of Public Health allowed for one year study of environmental health at the University of Michigan. Five from Washington, including Hayes Evans, were selected to attend. This was the <u>first</u> such class in U.S.
1936		USA – Walsh-Healy Act sets standards for safety and Health in workplace	
1937		USA – National Housing Act passed Creation of the National Association of Sanitarians (now NEHA)	Typhoid outbreak of 102 school children in Olympic Health District led to compliance of milk and food regulations.
1938	Hitler launches "Kristallnacht," ordering Nazis to commit acts of violence against German Jews	USA – Congress passes the Federal Food, Drug and Cosmetic Act	
1939	Germany invades Poland: World War II begins in Europe Television debuts in America at New York's World's Fair		1939 – 1941 - The Haven Emerson report was very significant in state; was impetus for rapid expansion of local health departments.
	THE 1940'S		
1940	Winston Churchill is designated Prime Minister of Great Britain		Sometime in the "pre-war" period, Federal government put some money into short-term training offered in Pierce County. The intensified course drew 20 people. Early health officers were Dr. E.R. Coffey (1 st H.O.), Dr. D. Evans (2 nd H.O.)
1941	Japan bombs Pearl Harbor: United States enters World War II Regular TV broadcasting begins in the United States First jet airplane takes flight		Pacific coast areas forced to black out homes, offices and drive vehicles at night using parking lights only – making a major challenge for sanitarian driving from Port Angeles to coast on the, then, dirt road!

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1942	Manhattan Project begins secret work on atomic bombs: Fermi triggers first atomic chain reaction		<p>Proposal to add sodium fluoride to Seattle water was defeated.</p> <p>Occupational Health program started in Seattle, including asbestos studies on shipworkers.</p>
1943			<p>About 1943 – 1st meeting of sanitarians to discuss need for organization was held in Chehalis. Organized by Neil Blanton, it became the Westside Group.</p> <p>1943-1944 – Washington State Sanitarians' Committee to study and prepare documents for affiliation with NAS.</p> <p>1943-1944 – Hayes Evans – 1st sanitarian to be President of WSPHA</p>
1944	D-Day invasion marks the beginning of the end of World War II in Europe	DDT manufactured in large quantities	1944-46 – There were meetings of sanitarians on the Eastside and on the Westside, but no "statewide" group until 1946.
1945	<p>US drops the atomic bomb - WW/II Ends</p> <p>Congress passes "GI Bill of Rights" to help veterans</p> <p>United Nations is officially established</p>	California – First Registered Sanitarians Act passed	In February, WSAS (WSEHA) affiliated with NAS (NEHA).
1946	ENIAC becomes the world's first computer	1946 - Close affiliation between NAS and state associations. (e.g. a portion of national dues were given to states for their use in supporting state associations. In effect, joining a state association meant joining the national.)	<p>Washington State Association of Sanitarians first President was Ed Hochsprung.</p> <p>10th AEC of NAS ((NEHA) held in Seattle on August 13-15.</p>

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1947	Jackie Robinson breaks baseball's color barrier Secretary of State George Marshall proposes European recovery program (the Marshall Plan)		<p>WSAS President was Harold Amundson</p> <p>1947 – Al Green, sanitary engineer, started the undergraduate program for educating sanitarians in the Dept. of Preventive Medicine, School of Medicine, UW. Started with six students.</p> <p>Ollie Johnson started as Campus Sanitarian at WSU.</p> <p>M.P. (Mitch) Mondala, R.S., Sanitarian with Washington State Health Dept. elected NAS (NEHA) President.</p>
1948	Scientists at Bell Labs invent the transistor Israel obtains statehood Soviets blockade West Berlin: Western allies respond with massive airlift		<p>WSAS President was Roy Olsen</p> <p>About 1948 – State Health composed primarily of engineers dealing with public water and sewage.</p> <p>1948 – A Kellogg grant to State Department of Health for purpose of improving technical competence of local health personnel through academic, pre-service and in-service training (included HO's, nurses, sanitarians), the training center was set up in Bremerton. (This was the foundation of training commitment of association.) Ultimately, the state training site was moved from Bremerton to Seattle and became more focused on Sanitarians.</p> <p>Based on Kellogg work, State Health Training Officer (Sam Reed) worked with WSU to set up degree program for the Department of Bacteriology and Public Health. Ollie Johnson leads the program.</p>
1949	Mao Tse-tung establishes People's Republic of China: Nationalists flee to Formosa (Taiwan)		<p>WSAS President was John Drake</p> <p>1949 – John Nordin and John Fish, new <u>college educated</u> employees, did the initial inspections of food establishments in King County.</p>

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	THE 1950'S		
1950	United States sends troops to defend South Korea		<p>WSAS President was Charles Reagan</p> <p>Early 50's – Sanitarians Association began to help with state training, and over years took over leadership for training.</p> <p>In 1950's, Civil Defense was big issue for Seattle. Sanitarians trained in mass feeding, radiation control, bio and chemical warfare, first aid, disaster planning, vector control, emergency response.</p>
1951			WSAS President was Don Morrison
1952	US explodes first Hydrogen Bomb		WSAS President was John Gainer
1953	Crick & Watson map the structure of DNA	<p>USA – Federal Security Agency becomes the Department of Health, Education and Welfare, includes the USPHS and FDA</p> <p>Dr. Jonas Salk's polio vaccine proven effective in University of Pittsburgh tests</p>	WSAS President was Hayes Evans
1954	<p>Birth of Rock 'n' Roll</p> <p>Brown vs. Board of Education ends "separate but equal" school segregation</p>		<p>WSAS President was Oliver Johnson</p> <p>Sam Reed, Sanitarian, President WSPHA</p> <p>Hayes Evans elected NAS Vice President</p>
1955	Montgomery, Alabama, bus boycott begins after Rosa Parks refuses to give up her seat to a white person		WSAS President was John Nordin
1956	Congress passes the interstate highway bill	USA – Congress passes a modernized Federal Water Pollution Control Act	<p>WSAS President was Roy McDonald</p> <p>First proposed Registration Act to Washington Legislature (failed)</p>

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1957	USSR launches Sputnik satellite	NAS headquarters relocated from Los Angeles to Denver, with the first full-time paid Executive Secretary and managing Editor of "The Sanitarian" (Nick Pohlit)	WSAS President was John Van Amburgh Food worker fee set at \$2.00 Hayes Evans, became President of NAS (NEHA) at 21 st Annual conference held in Seattle. The theme was "The Coming of Age", featuring and honoring Walter S. Mangold. Also, a one-day joint meeting with C.I.S.I. was held to form I.F.S.O. Dr. Brock Chisholm immediate P.P. of WHO was featured speaker.
1958	China begins "Great Leap Forward" modernization program: an estimated 20 million die in ensuing famine	USA – Congress passes the Food Additives amendment to the FDCA	WSAS President was Ray Smith
1959	American scientists patent the computer chip	USA – Enactment of the Federal Poultry Inspection Act	WSAS President was John Girard Sanitarian Registration Act passed the legislature and was signed by Governor Rosellini. John Nordin and Hayes Evans chaired the committee to see this through.
THE 1960'S			
1960	FDA approves birth-control pill	USA – Color additive amendments to the FDCA passed Federal Hazardous Substances Labeling Act passed	WSAS President was Jim Bessey In 1960's – Sanitarians began meeting separately, holding meetings independently from WSPHA. Governor Rosellini appointed Oliver H. Johnson, Glen Hallman and Hayes Evans to the first Sanitarians' Registration Board.
1961	"Bay of Pigs" Invasion Yuri Gagarin becomes the first man in space Communists build wall to divide East & West Berlin	USA – Report of the Committee on Environment Health Problems (Gross report) Housing Act passed to reduce urban blight and stimulate urban renewal	WSAS President was John Fish

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1962	<p>Rachel Carson's <i>Silent Spring</i></p> <p>Cuban Missile Crisis threatens World War III</p> <p>John Glenn becomes first American to orbit the earth</p>	<p>1962 – World's Fair in Seattle – major impetus for environmental health programs in food sanitation and sewage programs (cruise ships).</p>	<p>WSAS President was Jack B. Hatten</p> <p>"Outstanding Sanitarian Award" 1st given to Hayes Evans</p> <p>1962 – John Fish took over UW Environmental Health program and provided the public health vision in a "work setting", was deputized Health Officer of the state.</p> <p>Air program established in Seattle Health Dept.</p>
1963	<p>First "Earth Day"</p> <p>President John F Kennedy assassinated</p> <p>Civil-rights march converges on Washington, D.C.: Martin Luther King gives "I Have A Dream" speech</p> <p>Betty Friedan's "The Feminine Mystique" inaugurates modern women's-rights movement</p>	<p>USA – Federal Clean Air Act passed</p>	<p>WSAS President was John L. Johanson</p>
1964	<p>Congress passes landmark Civil Rights Act outlawing segregation</p> <p>British rock group The Beatles takes the United States by storm after debut on the Ed Sullivan show</p> <p>North Vietnamese boats reportedly attack U.S. ships: Congress passes Gulf of Tonkin resolution</p>	<p>The U.S. surgeon general warns about smoking-related health hazards</p>	<p>WSAS President was D.J. Sherlock</p>
1965	<p>Congress passes Voting Rights Act, outlawing measures used to suppress minority votes</p> <p>U.S. combat troops arrive in South Vietnam: U.S. planes bomb North Vietnam</p>	<p>USA - Department of Housing and Urban Development established</p> <p>Federal Clean Air Act amendments passed</p> <p>Federal Water Quality Act passed</p> <p>Solid Waste Disposal Act passed</p>	<p>WSAS President was Forrest D. Foster.</p> <p>1st female sanitarian in state, Karen Jenkins, hired by Seattle-King County Health Dept.</p>

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1966	National Organization for Women founded US Department of Transportation created	USA – Enactment of the National Highway Safety Act Creation of the American Intersociety Academy for Certification of Sanitarians	WSAS President was Frank Calico Air Section in Seattle Dept. of Health became PSAPCA.
1967		USA - Establishment of the National Center for Urban and Industrial Health	WSAS President was Jerry Cluckey
1968	Rock musical <i>Hair</i> Civil-rights leader Martin Luther King assassinated in Memphis, Tennessee Violence erupts at Democratic National Convention in Chicago	USA – Noise Abatement Act passed	WSAS President was James B. Callahan
1969	Neil Armstrong walks on the moon Woodstock Festival Weathermen Riot in Chicago	USA – Passage of the National Environmental Policy Act Establishment of the US Environmental Protection Agency Establishment of the Occupational Safety & Health Administration	WSAS President was William F. Miller Rock festivals were big health issues in Washington NAS membership approved name change to NEHA, which took effect on Jan. 1, 1970.
THE 1970'S			
1970	April - First "Earth Day"	USA – Federal Clean Air Act Federal Water Quality Improvement Act Occupational Safety and Health Act	WSAS President was Tom Barton Seattle water was fluoridated School of Public Health & Community Medicine established at UW
1971			WSAS President was Martin Auseth
1972		USA – Federal Water Pollution Control Act Federal Insecticide, Fungicide and Rodenticide Act (FIFRA)	WSAS name changed to WSEHA WSEHA President was Francis E. Horrell

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1973	Roe Vs. Wade decision legalizes abortion Watergate scandal engulfs Nixon administration United States withdraws last ground troops from Vietnam		WSEHA President was Gordon Meade
1974	President Richard Nixon resigns after Watergate scandal	USA – Safe Drinking Water Act passed	WSEHA President was Terrance R. Strong
1975	North Vietnamese forces take over Saigon Bill Gates and Paul Allen start Microsoft to develop software for Altair computer		WSEHA President was Karen VanDusen
1976		USA – Toxic Substances Control Act Resource Conservation and Recovery Act	WSEHA President was Henry Hamm
1977	First mass-market personal computers launched	USA – Water Pollution Control Act of 1972 amended New amendments to the Clean Air Act	WSEHA President was Tony Barrett
1978	Louise Brown, first “test-tube baby” is born healthy		WSEHA President was Edward Pickett
1979			WSEHA President was Kim Jones
THE 1980’S			
1980			WSEHA President was Richard P. Sarver “Jack B. Hatlen Inspirational Award” started and given to Jack B. Hatlen
1981	Deadly AIDS disease identified		WSEHA President was Linda Chapman
1982			WSEHA President was Derek Sandison
1983			WSEHA President was Marjory Gunthro
1984			WSEHA President was John Thayer

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1985			WSEHA President was David Lenning "Ed Pickett Memorial Student Scholarship" established and given to Jim Sackville-West
1986	The Space Shuttle Challenger explodes, killing crew including school teacher Christa McAuliffe Chernobyl nuclear-plant explosion results in deaths of an estimated 7000		WSEHA President was Gregg Grunenfelder
1987			WSEHA President was Larry Kamberg
1988			WSEHA President was James O. White First "Rookie of the Year Award" given to Michael Bratcher
1989	Berlin Wall falls as East Germany lifts travel restrictions World Wide Web revolutionizes the Internet Exxon Valdez, American oil tanker that went aground in Prince Williams Sound, Alaska: leaked 260,000 barrels of oil		WSEHA President was Bill White
	THE 1990'S		
1990			WSEHA President was Richard Ellis
1991	USSR dissolves, Mikhail Gorbachev resigns, Boris Yeltsin takes over		WSEHA President was Gary Fraser
1992			WSEHA President was Don Oliver
1993	Apartheid ends in South Africa: law to treat races equally	Crypto outbreak, Milwaukee, WI 104 die	Health Care Reform WSEHA President was Larry Kirchner
1994		E.Coli 0157H7 Outbreak at Jack in the Box chain	WSEHA President was Frank Westrum

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1995			Public Health Improvement Plan WSEHA President was Janet Anderberg
1996			WSEHA President was Daryl Way
1997	Scientist clone sheep in Great Britain Pathfinder lands on Mars, sending back astonishing photos		WSEHA President was Jane Hedges
1998	White House sex scandal leads to impeachment of President Clinton		WSEHA President, David Gifford
1999			WSEHA President, Rick Miklich
	THE FUTURE		