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Personal History:Edward L. Alpen

Born, [REDACTED] San Francisco, California

Married, [REDACTED] to [REDACTED]

Children, Two, [REDACTED], Born [REDACTED]

[REDACTED], Born [REDACTED]

Present Home Address:

[REDACTED]

Home Phone [REDACTED]

Education:

University of California, Berkeley. B.S. Degree, 1946.

Major, Chemistry; Minors, Mathematics, Engineering.

University of California, San Francisco. Ph.D. Degree, January 1950.

Major, Pharmaceutical Chemistry and Pharmacology. Minors,

Physiology and Biochemistry. Title of Ph.D. dissertation:

Electric Dipole Moments and Absorption Spectra of Some Alpha-Phenyl Carbonyl Compounds Related to Methadon.Experience:

1946-1947: Research Chemist, Cutter Laboratories, Berkeley, CA.  
Duties: Investigating fermentation processes associated with the production of natural antibiotics.

1950-1951: Assistant Professor of Pharmacology, George Washington University School of Medicine, Washington, DC.  
Duties: Lecturing to second year medical students in Pharmacology and to fourth year students in Experimental Therapeutics. Also conducted research in metabolic fate of drugs and on the activity of chemotherapeutic agents.

1951-1952: Recalled to active duty as Lieutenant, Medical Service Corps, U.S. Navy, assigned to the Naval Radiological Defense Laboratory as Scientific Investigator. Carried out research on the effects of thermal and ionizing radiations on living systems.

1952-1954: Same as above as civilian employee of the Laboratory, after release from active military service.

Presently holds rank of Captain, Medical Service Corps, U.S. Naval Reserve.

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Experience: continued

- ✓ 1954-1958: Head, Biophysics Branch, Naval Radiological Defense Laboratory. Duties: Supervise the research of a professional staff of eight persons trained at the doctoral level in biophysics, biochemistry and medicine. The research was devoted to the effects of radiation on functional organ systems and was particularly concerned with the effects of neutron irradiation and other high ionization density radiations. About half time was devoted to research supervision of others, and about half time to personal research.
- ✓ 1958-1969: Head, Biological and Medical Sciences Division, Naval Radiological Defense Laboratory, San Francisco, CA. Duties: Direct and administer the research activities of a staff of 150 persons.
- ✓ 1969-1971: Manager, Environmental and Life Sciences, Pacific Northwest Laboratory, Battelle Memorial Institute. Duties: Direct and manage the research activities of approximately 500 people engaged in research on a highly diversified program of environmental, biological and medical sciences. The Laboratory is an operating laboratory of the Energy Research and Development Administration which also conducts privately funded research for other sponsors.
- ✓ 1971-1972: Associate Director, Pacific Northwest Laboratory of Battelle. Management responsibility for one half of the Laboratory engaged in research in a wide variety of specialties including physics and chemistry, environmental and biomedical sciences, systems and computer sciences.
- ✓ 1972-present: Director, Pacific Northwest Division, Battelle Memorial Institute. Management responsibility for the Pacific Northwest Laboratory, Richland, WA; the Battelle Seattle Research Center; and the Battelle Marine Sciences Laboratory, Sequim, WA. Responsible for the leadership and management of a staff of over 2000, annual budget \$70M. The principal laboratory in Richland is a multi-disciplinary research center whose principal client is the Energy Research and Development Administration. Nearly all physical, life and social sciences are represented.

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2. Kinetics of Cell Proliferation of an Experimental Tumor. E. Frindel, E.P. Malaise, E. Alpen, and M. Tubiana. Cancer Research 27 (Part 1): 1122-1131, June 1967.
3. DNA Synthetic Rate and DNA Content of Nucleated Erythroid Cells. E.L. Alpen and M.E. Johnston. Experimental Cell Research 47: 177-192, 1967.
4. Radiation Effects on DNA Synthesis and Cell Division in the Bone-marrow of Mouse. E. Frindel, F. Charruyer, M. Tubiana, H.S. Kaplan and E.L. Alpen. International Journal of Radiation Biology 11 (5): 435-443, 1967.
5. The Comparison of Hematological Responses and Radiation Recovery in Several Mammalian Species. E.L. Alpen, pp 103-109, in Proceedings of a Panel on the Effects of Various Types of Ionizing Radiations from Different Sources on Haematopoietic Tissue, 17-20 May, 1966, International Atomic Energy Authority, Vienna, 1967.
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8. Deoxyribonucleic Acid Content of Mitotic Nuclei of Two Mouse Tumors. E.L. Alpen and M.E. Johnston. Nature 211: 715-717, 13 August 1966.
9. Acute Mortality and Recovery Studies in Sheep Irradiated with Cobalt-60 Gamma Rays or I-Mvp X-rays. G.E. Hanks, N.P. Page, E.J. Ainsworth, G.F. Leong, C.K. Menkes, and E.L. Alpen. Radiation Research 27: 397-405, 1966.
10. Comparative Lethality Responses of Neutron- and X-irradiated Dogs: Influence of Dose Rate and Exposure Aspect. E.J. Ainsworth, G.F. Leong, K. Kendall and E.L. Alpen. Radiation Research 26: 32-43, 1965.

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