

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of

PACIFIC GAS AND ELECTRIC COMPANY

(Diablo Canyon Nuclear Power Plant,  
Units 1 and 2)

Docket Nos. 50-275 O.L.  
50-323 O.L.

AFFIDAVIT OF DR. HOWARD MITCHELL

I, Dr. Howard Mitchell, being duly sworn, state under oath  
the following:

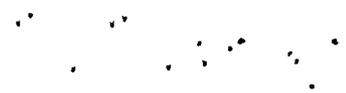
(1) I am the Health Officer of San Luis Obispo County  
("County"), California, having served in this position since July 8, 1976.  
I reside at Shell Beach, San Luis Obispo County, California.

(2) The County Health Agency has the responsibility to develop,  
implement and coordinate an overall plan for medical and health services  
during an emergency. As County Health Officer, my staff and I are  
responsible, among other things, for determining the extent of radiation  
beyond the Diablo Canyon site boundary in the event of a radiological  
emergency, and the proper medical care of persons who might be injured in  
such an emergency.

(3) The County does not have adequate nor sufficiently  
sophisticated equipment to monitor for radiation beyond the plant confines  
nor does it have adequate communication equipment to reach headquarters or  
other County personnel.

(4) The County Health Office is inadequately staffed to respond  
effectively to a radiological emergency at Diablo Canyon and carry out at  
the same time its regular environmental protection duties.

DUP  
OF 8105040488



(5) The County has inadequate medical facilities to care for or transport the persons who might be injured in a radiological emergency at Diablo Canyon. Except for French Hospital, which has limited facilities, the County's hospitals have not developed plans to treat persons injured in a radiological accident nor have they conducted training necessary for implementation of such plans.

(6) The County is inadequately prepared and has never attempted to evacuate persons in an orderly manner from the low population zone ("LPZ") which has limited ingress or egress and the difficult terrain, as well as the difficulty in advising LPZ residents of actions to be taken in the event of an emergency.

(7) I am familiar with and, indeed, on April 18, 1977, signed off on behalf of the County Health Agency, the Division of Environmental Health's Standard Operating Procedure for Nuclear Power Plant Emergency Response. While I believe these procedures, on paper, were thought to be adequate generally at that time, the County, as outlined above, cannot respond effectively and expeditiously to implement these procedures so as to respond to a radiologic emergency at Diablo Canyon.

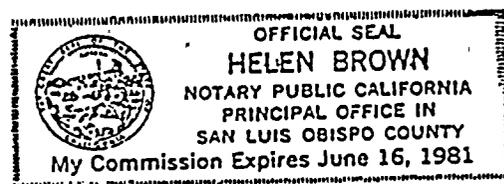
(8) It would take considerable time, equipment, training and personnel before the County Health Agency is reasonably ready to respond adequately to an emergency involving offsite radioactive releases from the Diablo Canyon facility.

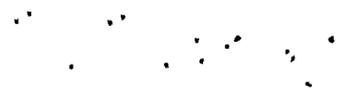
*Howard W. Mitchell, M.D.*  
 Howard W. Mitchell, M.D.

Subscribed and sworn to before me this 31st day of March, 1981.

*Helen Brown*  
 Notary Public

My commission expires: June 16, 1981





## CURRICULUM VITAE

Howard W. Mitchell, M.D., M.P.H.

Present Position: Health Agency Director and Health Officer  
County of San Luis Obispo  
2191 Johnson Avenue  
San Luis Obispo, California 93401; (805) 543-1200

Also:  
Lecturer in Preventive Medicine and International Health,  
School of Medicine, University of California, San Francisco.

Lecturer in Health Care Administration, Golden Gate University,  
San Francisco. and Vandenberg Air Force Base, California.

Birthplace and Date: Evansville, Indiana; 25 June 1923.

Home Address: 1702. Ocean Boulevard, Shell Beach, California 93449  
Telephone: (805) 773-1077

Family: Married to Marie Iverson Mitchell, 1950.  
Children: Christopher: Born November, 1952.  
Kathryn: Born January, 1956.

### Education and Training:

A.B., 1945, University of Michigan.

M.D., 1949, Indiana University.

Internship, 1949-50, State University of Iowa Hospitals, Iowa City.

Assistant Residency in Pediatrics, 1950-51, Children's Hospital of Michigan, Detroit.

Special Trainee, February-September, 1951: "Health Problems of Southeast Asia,"  
Harvard School of Public Health and U.S. Public Health Service.

Trainee, October-November, 1951, Foreign Service Institute, Washington, D.C.  
M.P.H., 1955, University of Michigan.

### Previous Employment and Consultations:

U.S. Public Health Service, February, 1951-March, 1954.

As trainee (shown above): February, 1951-December, 1951.

Assigned to U.S. Department of State, USOM/Iran, December, 1951-February, 1954.

Public Health Advisor: Province of Azerbaijan, 1952.

Province of Fars, January-April, 1953.

Chief Technical Advisor in Public Health, Tehran, April, 1953-February, 1954.

Indiana State Board of Health, Indianapolis:

Pediatric Physician, 1954.

Director, Division of Maternal and Child Health, 1955-56.

Indiana University Graduate School of Social Services:

Lecturer in Health and Disease, 1955-56.

University of California, Berkeley:

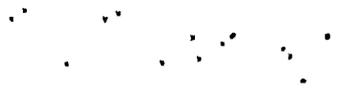
Associate Clinical Professor of Public Health Administration, School of  
Public Health, 1956-58

City of Berkeley, California:

Assistant Health Officer, 1956-58.

Member, Medical Advisory Committee, Alameda County Tuberculosis and  
Health Association, 1957-58.

Member, Allocation Committee, Council of Social Welfare, Berkeley  
Area, 1957-58.



Co-chairman, Public Health Section, Herrick Memorial Hospital, 1957-58.  
American University of Beirut, Lebanon:

Acting Director, School of Public Health, 1958-60.

Chairman, Department of Public Health Practice, School of Public Health, and

Chairman, Department of Preventive Medicine, School of Medicine, 58-60.

Associate Professor of Public Health and Preventive Medicine, 1958-60.

Consultant to U.N. Relief and Works Agency, 1959.

Consultant to Arabian-American Oil Company, 1960.

Harvard University School of Public Health:

Visiting Lecturer in Public Health and Preventive Medicine, 1960.

State of California Department of Public Health:

Chief, Bureau of Occupational Health, 1960-65.

Member; Medical Services Committee, and Alcoholism & Dangerous Drugs  
Committee, Alameda-Contra Costa Medical Association, 1962-65.

Chairman, Occupational Health Section, and Vice-chairman, Accident Pre-  
vention Committee, American Conference of Governmental Industrial  
Hygienists, 1962-63.

Member, Health Services Committee, Council of Social Welfare, Alameda  
County, 1962-63.

University of California, Berkeley:

Lecturer in Public Health, 1960-65.

Head, Medical Care Administration, 1963-64.

University of California, San Francisco:

Lecturer in Preventive Medicine, 1964-65.

University of California Business & Economics Extension, San Francisco and Berkeley:

Lecturer in Medical Care Administration, 1961-63.

Ford Foundation, New Delhi, India:

Consultant to Punjab State and Government of India in Health and Family Plan-  
ning, 1965-67.

Program Advisor in Family Planning, 1967-68.

University of California, Los Angeles:

Lecturer in Public Health and Head, Program in Population and Family Health,  
1968-70.

Consultant to the Community Health Action Planning Service (CHAPS),  
American Public Health Association, in a review of the Los Angeles  
County Health Department, January-June, 1969.

Consultant to the W.H.O. and UNICEF in India, June-August, 1969.

Consultant to the Los Angeles Regional Family Planning Council, 1969-70.

Consultant to Southern California Region, Planned Parenthood, 1970.

Westinghouse Electric Corporation:

Director, Westinghouse Population Center, 1970-71.

Consultant to the Family Planning Program, San Juan, Puerto Rico, July, 1971.

Representative of the W.H.O. on the U.N.-U.N.E.S.C.O.-W.H.O. Interagency  
Mission to Iran, January-March, 1971.

Maryland Department of Health and Mental Hygiene:

Special Consultant to the Baltimore City Health Department, November-  
December, 1971.

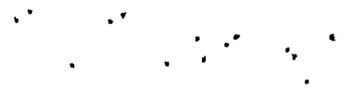
Alameda County, California:

Chief, Division of Adult and Child Health, Health Care Services Agency, 1972-74.

Member, Program Council, Planned Parenthood, San Francisco-Alameda.

Member, Ad Hoc Committee on Aging, Comprehensive Health Planning Council  
of Alameda County.

Member, Family Life Committee, Geriatrics Committee, Perinatal Mortality  
Committee, Child Welfare Committee, Alameda-Contra Costa Medical  
Association.



Member, National Family Planning Forum.

Member, Children's Council of Alameda County.

Member, Utilization Review Committee, Visiting Nurse Association of Oakland, California.

Special Consultant on Occupational Health to the Department of Personnel, County of Alameda, December, 1973-February, 1974.

Kaiser Foundation International, Oakland, California:

Senior Program Advisor in Public Health and Population, February, 1974-October, 1974.

Vice-President, Medical Affairs, November, 1974-June, 1976.

Consultant to the U.N.D.P., September and November, 1974.

Professional and Scholarly Societies:

Alpha Omega Alpha Honor Medical Society

Phi Kappa Phi Honorary Fraternity

Delta Omega Honorary Public Health Society

American College of Preventive Medicine, Fellow

American Public Health Association, Fellow

Royal Society of Health, Fellow

San Luis Obispo County Medical Society

California Medical Association

American Medical Association

American Society of Tropical Medicine & Hygiene

California Academy of Sciences

Population Association of America

California Conference of Local Health Officers

Mission Coast Lung Association, Vice President and Member of Board.

Consortium For Nurse-Midwifery, Director

Published Writings and Reports:

"Certain Political and Social Aspects of the Point Four Program in Iran." The Indiana Social Studies Quarterly, VII:I, Autumn, 1954.

"Caesarean Section Rates in Indiana - A Concluding Study," Journal of the Indiana State Medical Association, 49, May, 1956.

"A Contagious Disease We Should Spread - Enthusiasm," Nursing Outlook, 4:8, August, 1956.

"A Diabetes Fair - Tried and Found Successful," (with William A. Weeden, M.D.); California's Health, 14:14, January 15, 1957.

"Occupational Health in Government," Western City, 33:6, June, 1957.

"Occupational Health in Local Government," California's Health, 14:24, June 15, 1957.

"Public Health Problems of Metropolitanism," prepared August, 1957, as part of a California-wide study of metropolitanism, financed by the Ford Foundation, and issued by the University of California, Berkeley.

"Teaching Public Health at the University of Beirut," Highlights (University of California, Berkeley), Spring, 1961.

"Health Hazards of Heavy Construction," (with Craig Burns, M.D., and Fred Ottoboni), American Industrial Hygiene Association Journal, 23:4, July-August, 1962.

"Occupational Health in Rural Areas," 1963 Seminar for Contract County Health Officers, State of California Department of Public Health, April 28, 1963.

"Parathion Residue Poisoning Among Orchard Workers," (with Thomas H. Milby, M.D. and Fred Ottoboni), Journal of the American Medical Association, 189:5, August 3, 1964.

"Is 'Accident Proneness' a Useful Concept in Medical Practice?" (with Julian Waller, M.D.), Medical Times, January, 1965.



"Ambulances and Emergency Medical Care" (summarized), Public Health Reports, 80:2, February, 1965.

"Pesticides and Other Agricultural Chemicals as a Public Health Problem," American Journal of Public Health, 55:7, Part II, July, 1965.

"Ambulances and Emergency Medical Care," American Journal of Public Health, 55:11, November, 1965.

Reports prepared for the Commissioner of Family Planning, Government of India, (duplicated and distributed to foundations, universities, and others):

Family Planning Program in Andhra Pradesh, March 7, 1966.

Family Planning Program: Kerala, February 19, 1966.

Family Planning Program in Madhya Pradesh, May 12, 1966.

Family Planning Program in Madras, September 18, 1966.

Family Planning Program: Mysore, February 16, 1967.

Family Planning Program in Rajasthan, January 30, 1967.

Report on Visit to Madras State, March 14, 1967.

Family Planning in India and the Ford Foundation, a planning document prepared for the Foundation, February 15, 1968.

The World Population Explosion and UCLA: A Time for Academic Action, a planning document prepared for the University of California, Los Angeles, March 1, 1969.

Urban Health Services for Mothers and Children in Selected Indian Cities and Their Relationships to the Family Planning Programme, prepared for the W.H.O., August, 1969. (Published as SEA/MCH/54, 17 November 1969, Restricted.)

"Family Planning Services," in Future Directions for Health Services: County of Los Angeles, prepared by CHAPS, American Public Health Association, February, 1970.

"Implementing Family Planning Programs at the State Level in India," in Studies in Demography, compiled by Bose, Desai, and Jain, published by Allen & Unwin, London, 1970.

Population and Family Planning in Iran: A Report Prepared for the Government of Iran by a UN Interagency Mission, March, 1971. (Published as ST/SOA/SER.R/13, April 7, 1971.) Mission members: UN: Lord Caradon, Prof. J. Caldwell; UNESCO: Mr. H. M. Phillips, Mr. M. V. Farr; WHO: Dr. H. W. Mitchell, Dr. L. Engstrom, Rapporteur.

Report to PAHO on Family Planning in Costa Rica and Guatemala with Special Reference to Contraceptive Use Effectiveness Including the Rhythm Method, prepared November 14, 1971.

A Preliminary Examination of the Process for Determining Level of Care and Placement in Skilled Nursing Homes in Baltimore City Health Department, prepared December 28, 1971.

Report and Suggestions for Future Action, prepared for Island Governing Council, Curacao, Netherlands Antilles, 17 October 1974.

Report of the Evaluation Mission: Latin American Programme for Health Planning, prepared for the UNDP pursuant to project RLA/74/021, 22 November 1974. Mission Members: Dr. J. J. Barrenechea, Dr. Peter N. Kessler, Dr. H. W. Mitchell.

