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SCIENTISTS, ENGINEERS AND ARCHITECTS

BEFORE 2005

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NAME	CLASS YEAR	DEGREE	NOTES
Adams, Paul J.	87	Eng. Eng.	State Licensed
Waldrop, David J.	73	Eng. Eng.	State Eng. Lic.
Baughman, David R.	84	Eng. Eng.	Advanced Technology
Brown, Robert J.	88	Eng. Eng.	USA
Clark, William Michael	78	Eng. Eng.	Eng. Lic.
Conner, George E.	74	Eng. Eng.	Advanced Eng. License, Public Works
Cook, Robert E. Jr.	81	Eng. Eng.	Eng. Lic.
Cross, David R.	72	Eng. Eng.	Eng. Lic. State
Deaton, Fred D.	82	Eng. Eng.	Eng. Lic. State
Decker, Chris	88	Eng. Eng.	CA Dept. Lic.
Dray, John M.	88	Eng. Eng.	Eng. Lic.
Dunn, David John	84	Eng. Eng.	Eng. Lic.
Edwards, Roger R.	83	Eng. Eng.	Advanced Eng. License
Evans, Frank J.	88	Eng. Eng.	Eng. Lic.
Farmer, Mark A.	88	Eng. Eng.	Eng. Lic.
Gard, John	84	Eng. Eng.	CA Dept. License
Gibson, Charles A.	74	Eng. Eng.	Eng. Lic.
Gil, James T.	88	Eng. Eng.	Advanced Eng. License
Gray, Mark A.	78	Eng. Eng.	Eng. Lic.
Grove, Scott E.	82	Eng. Eng.	Eng. Lic. State
Gunn, Daniel Edward	81	Eng. Eng.	Eng. Lic. State
Guth, Eric Andrew	78	Eng. Eng.	Eng. Lic.
Hartman, Thomas R.	84	Eng. Eng.	Eng. Lic.
Hick, James J. Jr.	78	Eng. Eng.	CA Dept. Water Res.

# CBHS ENGINEER ALUMNI BEFORE 2005

## CB ENGINEER ALUMNI BEFORE 2005

NAME	CLASS	SPECIALTY	NOTES
Ackerman, Paul J.	57	Land Surveyor	State Licensed
Archangelo, David J.	75	Ind. Syst. Engineer	Interface Engr. Inc.
Barbadillo, Stacy P.	81	Elect Engr	Microchip Technology
Barsotti, Ralph J.	54	Logistics Proj. Mgr.	USAF
Beck, William Michael	95	Civil Engr	Const Insp.
Bencken, George E.	54	Applications Engr	Envirotech Pump Sys.
Bettencourt, Rodney E. Jr.	92		Control Sys. Intl.
Boessow, Daniel S.	53	Elect / Syst. Engr.	Assist. VP SAIC
Bottaro, Frank D.	58	Civil Engr.	Ca Dept. Water Res.
Brenner, Chris	78	Tech.	Hewlett-Packard
Brooks, John M.	56	Sta. Engr.	CA Dept Corr.
Brower, daniel Tyler	94	Mech Engr.	UPS
Caetano, Roger P.	53	Sofyware Engr	Lockheed Martin
Canelli, Patrick L.	68	Maint Enge	Best Western
Cardosa, mark A.	69	Civil Engr.	VP, Biggs Cardosa Assoc.
Caruso, John	84		Ch. Engr, Holiday Inn
Carvalho, Charles A.	74	Bldg Equip.	USPS
Chan, Terrin T.	99	Elect Engr.	Gen Atomics Aero Syst
Cleary, Mark A.	78	Design Engr.	Verifone
Cooling, Scott E.	83		Engr Mgr, UCD
Costa, Damian Edward	91	Chem Engr.	Oper Mgr. Frito-Lay Inc.
Cote, Mrs Andrea Sommerfield	79		
Crawford, Thomas N.	64	Mech Engr.	PGE
Crettol, James J. Jr.	73	Tele Com.	CA Dept. Water Res.

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Davis-Conklin, Mrs. Justina	86	Civil Engr.	Sac Co. Dept. Trans.
Delgado, Robert	82		Engr. Mgr., Motorola
Drucker, Mrs. Mary B.	91		Engr. GE
Eggers, Dr. Thomas C. XIV	99	Environ. Engr.	ENV America
Estrada, Duane A.	74		Princ. Engr. Raytheon Systs.
Fenech, Eugene J.	49	Nuclear Engr.	General Atomics
Fenner, Paul Andrew	87	Mech Engr .	ConQuip Inc
Fischer, Dennis C.	54		
Flewel, Jerome J.	62	Chem Engr.	Bechtel Corp.
Galliani, John L.	76	Proj Mgr.	Mark III Engr. Contrs.
Gau, Thomas M.	66		Dep. Dir. San Joaquin Co. Pub. Wks. Dept.
Gemsch, Joseph F.	58		
Ghelfi, Peter	82		Dir Engr. SAFCA
Gonsalves, David Peter	88		AT&T
Graham, Robert D. III	83	Mech Engr.	Lockheed Martin
Gray, Tom	80	Civil Engr.	Southern CA Water Co
Gregory, Wayne E.	91	Mech Engr .	
Guess, Jesse E.	98	Land Surveyor/ Engr.	LDC Design Group
Gutierrez, Mrs. Faith	73		
Harling, Martin	84	Elect Engr.	SMUD
Harrington, James P.	37		
Hashimoto, Michael	84	Civil Engr.	Cal Trans
Healy, Keith Edward	86		Lockheed Martin
Henderson, Kenneth J.	84	Civil Engr.	HDR Engrg. Inc.
Herzog, Francis C.	50	Mech/Aerospace	Lockheed Martin
Hilson, Christopher W.	1		
Ito, Larry	80	Chem Engr.	Tech. Mgr. Dow Chemical Co.

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Jaime, Mario R.	57	Environ Engr.	IBM
Jurach, Thomas A.	58		
Keating, Jerome W.	41		Pres. SKS Diecasting & Machining Co.
Keener, Kerry K.	55		Supv. Mfg. Engr. Owens Illinois Inc .
Kuhlman, Robert C.	52	Mech Engr.	Mgr. Lab Svcs. CA Air Res. Bd.
Lang, Carl T.	49	Elect Engr.	US Corps. of Engrs.
Lawrence, Sthephen P.	61	Elect Engr.	Turlock Irrig. Dist.
Laws, Thomas L.	58	Security	Booz, Allen & Hamilton
Lawson, H. James	54	Civil Engr.	
Leahy, Daniel M.	47	Elect Engr	Gen. Elect. Co.
Lee, Steve J.	85	Civil Engr.	State of CA
Legarra, James R.	66		CPI
Lemieux, Paul J.	93	Bldg. Maint.	SMUD
Leon, Felipe PE	81	Elect Engr.	US Corps. of Engrs.
Lopez, Max	79		Dir. Product Mktg. Cambridge Custom Inc.
Lovato, Noel David	90	Compliance Engr.	Intertek
Machabee, William J .	48	Stationary Engr.	Del Web Corp.
Makris, Tom	81	Civil Engr.	
Malaki, Michael R. Jr.	76	Plant Operator	Regional Waste Treatment
Maller, StephenV.	71		Dep. Dir. CA Trans. Comm.
Mallery, Carl F. Jr .	83		Ensign-Bickford Aero. & Def. Co.
Mann, Sean Howard	89		
Manno, Peter L.	60		
McCoy, James W.	54	Civil Engr.	
McGrew, Kent J .	63		Reagentech Inc.
Mendenhall, Thomas J.	43	Plant Mgr.	Teichert Agg.
Mette, Edwin J.	68	Mech Estimator	Mark III Engr. Contrs.

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Mette, Stanley Richard	82	Planner	Wood Rodgers Inc.
Meyers, Lucian J.	42		
Moitoso, Manuel A.	68	Engr Estimator	
Montemayor, Joseph	77	Clinical Engr.	Medtronic Inc.
Moore, Scott douglas	86		
Moreno, Mario, Jr.	93	Civil Engr.	City of Sacramento
Morrow, matthew D.	98		
Murphy, Steven R.	79		Gencorp Aerojet
Nguyen, Dung T.	97	Mech Engr.	Dagher Engr.
Paalman, Hunter H.	51	Chem Engr.	Dow Chemical Credited with 6 patents
Parino, Sam	77		Ch. Info. Officer ChevronTexaco
Parra, Thomas I.	85	Software Engr.	Veriffone
Pechacek, Robert E.	50	Elect Engr.	
Pesavento, Donald W.	56	Elect Engr.	
Pesce, Robert E.	65	Stationary Engr.	US Merchant Marine
Peter Richard R.	64	Materials Engr.	CA Dept.Trans..
Piacentini, Chris P.	85		PG&E
Porter Joseph	67	Mech Engr.	Conoco
Puentes, Fil Jr.	87	Network Ping Engr.	Pack West Telecom.
Raimundo, Armando L.	44	Water Research Engr.	
Rakela, David A.	63	Operating Engr.	
Ralph, Terrence M.	66		Engrg. Mgr. FAA
Rankins, Mrs. Erica L.	92	Civil Engr.	CA Dept.Trans..
Rawlins, Walter James IV	90	Bio. Med. Engr.	
Riley, Kevin Michael	89	Civil Engr.	CA Dept.Trans..
Riojas, Ed Chen-Yu	97	Software Engr.	Apple Comp.
Robinson, Jeffrey H.	97		
Rojas, Bud A.	97		Hewlett-Packard
Rolufs, Robert H.	50		AT&T

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Sander, Kenneth S. PE	68		Mgr. Tech Oper. FAA
Sandlin, Peter John	90	Civil Engr.	Barrish, Pelham & Partners Inc.
Savarino, Michael	66		
Schnetz, Richard J.	62		Lawrence Livermore Lab.
Semon, Joseph A.	65		Interwest Consulting Gp.
Shamrock, Jeffrey Michael	86	Elect Engr.	Hewlett-Packard
Sherman, Richard J. PhD	57	Elect Engr.	Lockheed Martin
Silva, Jess P.	70	Environ. Engr.	City of West Sac.
Skarbic, Anthony M.	58	Elect Engr.	City of Redding
Skokan, Joseph M. Jr.	80		JJ Rebar Corp.
Smith, Dyke J.	64	Fire Systems	Honeywell Intl.
Smith, Gordon H.	42		
Smith, Stephen D.	75	Civil Engr.	Mackay & Soms
Smolich, Anthony J .	41		CA Office State Arch.
Spease, Kevin David	86	Syst. Engr.	Northrop Grumman
Stefan , Richard J.	71		SMUD
Steffens, Gary R .	51	Mech Engr .	CA Dept. Water Res.
Tancreto, James E.	61	Civil / Struct Engr.	NFESC
Tremblay, David A. Jr.	94	Syst Arch.	Hewlett-Packard
Tucker, Raymond	52	Civil Engr.	President, Radco
Tuma, Jerry A. Sr.	85		City of Lake Havasu
Valdez, Robert	78	Field Svc Engr.	ADAC
Valdez William A. Sr.	85	Network Engr.	Surewest
Varozza, Jack A.	85		VP Peabody Engr.
Ware, Ramon Arthur	89	Customer Engr.	Applied Materials
Watkins, Kevin M.	75	Stationary Engr.	State of CA
Weisickle, Bob	70		Lab Mgr. Hewlett Packard
Weninger, John	80	Civil / Struct Engr .	SESOL



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West, Robert P.	81	Operating Engr.	Lucas Marine Const
Wexted, William F.	52	Electronic Supv.	GTE Govt. Sysys.
White, Mack W.	52	Civil / Struct Engr.	LBDG
Wilson, Edward L.	50	Civil / Struct Engr.	Professor, UC Berkeley
Wilson, John P.	71	Data Analyst	SBC Comm.
Wulfert, Thomas M.	62	Surveying & Mapping	Thomas M. Wulfert Co.
Yap, Eric S.	85	Elect Engr.	
Zeman, Mrs. Anne Marie	78	Cust. Engr.	Teichert Const.
Zenovieff, George A.	68	Mech Engr.	Mark III Engr. Contrs.
Zentner, Mark A.	69		Butler Heating & Airconditioning
Zupan, Matthew D.	92		

**DANIEL S. BOESSOW**  
Senior Systems Engineer

EDUCATION: M.B.A., Florida State University, 1971  
B.S.E.E., University of Santa Clara, 1957

**RESUME SUMMARY:**

More than thirty-seven years' experience. Program management; organization, planning, and startup of new contracts; technical supervision and management of large military test range support operations; systems engineering; communications engineering; office automation; computer networks; large data base systems and proposal management.

**PROFESSIONAL HISTORY:**

SAIC (SASIG) (4/97-1/99). Program Manager.

Systems Engineer (8/95-4/97). Proposal Manager

Manager of Division 0561, (3/95-8/95)

Manager of Division 0561, (11/89-3/95)

Senior Systems Engineer (5/89-11/89). Proposal Manager.

Activation Manager (1/89-5/89).

Program Manager (10/87-1/89).

SAIC, Senior Staff Engineer (6/87-10/87).

Computer Sciences Corporation San Diego, California (1985-4/87). Operations Manager.

Computer Sciences Corporation, Edwards Air Force Flight Center, California (1983-1985). Operations Manager.

Computer Sciences Corporation, Ridgecrest, California (1978–1983). Deputy Project Manager.

Computer Sciences Corporation, Kennedy Space Center, Florida (1977–1978). Manager Data Systems Department.

Federal Electric Corporation, Kennedy Space Center, Florida, (1975–1977). Manager Communications Department.

RCA Service Company, Kennedy Space Center, Florida (1966–1967). Leader, OIS and Audio.

National Aeronautics and Space Administration, Kennedy Space Center, Florida (1964–1966). GS-13, Design Engineer.

Brown Engineering Company, Huntsville, Alabama and Kennedy Space Center, Florida. (1962 –1964). Engineer.

## **BIOGRAPHY OF Robert C. Kuhlman**

Christian Brothers High School '52

B S in Mechanical Engineering, University of California at Berkeley '56

Registered Professional Engineer, State of California '59.

Certified Air Pollution Control Engineer, American Academy of Environmental Engineers '73

Fifteen years in Rocket and Space vehicle design and testing with Aerojet-General Corporation.

Oversaw work performed on rocket engines spanning the Titan & Apollo programs to the Space shuttle's orbital maneuvering system, garnering a vast array of recognition for his innovative and efficient management along the way. Managed a number of research and development laboratories testing intercontinental ballistic missiles and lunar Landers including the Hydraulics lab, Controls Lab and Hydrazine fuels labs. Managed the startup and operation of Test zone A with a complex of three research and development laboratories with Liquid hydrogen flow capabilities for testing a thrust launch vehicle and a deep space nuclear rocket engine.

Twenty five years with the California Air Resources Board in the design of instrumentation and facilities to reduce air pollution problems in the State. Twelve years in design, installation and operation of expanded air pollution monitoring instrument repair and field support laboratories. Designed and installed a statewide data telemetry system to collect real time air pollution data for emergency episode control.

Thirteen years in the startup and development of a Northern California State Laboratory for the chemical analysis of low level atmospheric concentrations of toxic and carcinogenic chemicals, halocarbons, aromatics and pesticides.

Thirteen years as Manager of the Organics Laboratory Section in the Monitoring and Laboratory Division.

Retired in 1996.

( Excerpted from SEAONC Newsletter)

## **GETTING TO KNOW JOHN J. WENINGER JR., S.E., SECB**

*By Diane Gould, S.E.*

If you have not yet had the opportunity to meet John Weninger, please allow me introduce you. Not only does he hail from my home town of West Sacramento, he is also very modest and has a self-deprecating sense of humor. John obtained his B.S. in Civil Engineering from CSUS in 1985, then returned for his M.S., which he completed in 1987 while

working full time. John currently heads up the Sacramento branch of SESOL (Structural Engineering Solutions), while his boss Bill Warren runs the Southern California office. He is enjoying this venture as it allows him to continue designing, while branching out into forensic engineering and expert witness arenas.

John has been an active member of SEAOC for many years. He has volunteered countless hours and served many roles, including: Secretary, Treasurer, Board of Directors, Vice President, President, and Chair of the 2003 Convention Committee. He is currently a member of the AISC Quality Certification Committee, and Treasurer of the SEAOC Foundation.

## Professor Emeritus Edward L. Wilson

**Edward L. Wilson**

**Structural Consultant**

**Education**

D. Eng. University of California,  
Berkeley, 1963

M.S. University of California,  
Berkeley, 1959

B.S. University of California,  
Berkeley, 1955

**Professional Societies**

Member, ASCE, American  
Society of Civil Engineers

Member, EERI, Earthquake  
Engineering Research Institute

Member, USCOLD, United States  
Committee on Large Dams

Member, SEAONC, Structural  
Engineers Association of  
Northern California

**Biographic Details**

Over fifty years of professional experience in Civil, Mechanical and Aerospace Engineering. Former Professor and Vice Chairman of the Civil Engineering Department at University of California at Berkeley (1965-1991).

Published over 180 papers, reports and books. Supervised 29 Doctor's Degree Students

Appointed as the T.Y. and Margaret Lin Professor in Engineering, 1990. Received Berkeley Citation, 1991. Elected to the National Academy of Engineering, 1985. Received the Huber, 1974, and Howard, 1995 awards by ASCE for his contributions to the Structural Engineering Profession.

**Currently Member of** Engineering Criteria Review Board for BCDC  
Seismic Review Committee for the UC Berkeley Campus  
Member of the Seismic Instrumentation Advisory Committee for the Golden Gate Bridge.

President of the T. Y. Lin Foundation

**Selected Projects**

Field Engineer Ten Mile River Bridge on State Highway 1, 1953

Project Engineer for the Model Analysis and Material Studies of Oroville Dam, 1958-60  
Wrote the first automated finite element analysis computer program and analyzed Norfolk Dam, 1960-62

Developed numerical methods and computer programs for the stress analysis of the Minuteman missile and the APOLLO space capsule 1963-65

Developed the original three-dimensional earthquake analysis programs SAP, 1969, ETABS, 1973, SAP80 1980 and SAP2000.

Developed the computer programs SMIS, 1963, and CAL, 1976, for the Computer Assisted Learning of static and earthquake analysis of structural systems. Various versions of these programs have been used worldwide. Consultant on the new Bay Bridge, retrofit of the Richmond-San Rafael and Golden Gate Bridges and many other major projects.

### **Expanded BIOGRAPHICAL SUMMARY**

*Edward L. Wilson is a Professor Emeritus of Structural Engineering at the University of California at Berkeley, where he was a faculty member from 1965 to 1991. From 1973 to 1976 he served as Chairman of the Division of Structural Engineering and Structural Mechanics. From 1987 to 1990 he was Vice Chairman of the Department of Civil Engineering. At the present time he is a consultant on the structural analysis of complex structures and is engaged in the development of new methods of analysis and computer programs in the general area of structural engineering. He is currently a member of the Seismic Review Committee for the Berkeley Campus.*

*At the University he taught courses and conducted research on structural analysis, computer analysis, dynamics and finite element methods. He has published over 180 technical papers and reports. During his 30 years of teaching at the University, 29 doctoral students completed their dissertations under his supervision.*

*He received his D. Eng. Degree from the University of California in 1963. From 1963 to 1965 he was a senior research engineer at Aerojet General Corporation, Sacramento, California. At Aerojet he developed numerical methods and computer programs for the thermal and stress analysis of the MINUTEMAN missile and the APOLLO space capsule. He has been responsible for the development of several computer programs which are extensively used by professionals in the Civil, Mechanical and Aerospace engineering. The general three-dimensional finite element analysis program SAP and the TABS series of programs for the static and dynamic analysis of three-dimensional building systems are examples of programs initially developed by Professor Wilson.*

*He was the first to develop computational methods and practical computer programs for the analysis of tall buildings and hydroelectric structures. These special purpose programs include heat transfer analysis and the effects of creep, incremental construction, soil-structure-fluid interaction, and flow in porous media. Since these programs have been extensively adopted by a large number of firms throughout the world he has been involved directly and indirectly as a consultant on a very large number of engineering projects.*

*In 1985 he was elected to the National Academy of Engineering. He was appointed as the T. Y. and Margaret Lin Professor in Engineering in 1990. He received the Berkeley Citation at the time of his retirement from teaching in 1991. For his contributions to the profession he received the Huber (1974) and the Howard (1995) medals by ASCE. In 1998 he received the Lifetime Achievement Award from the Los Angeles Tall Building Design Council. In 2003 he received Von Neumann Medal from the United States Association of Computational Mechanics for the development of the SAP series of programs. In 2008, he received an Outstanding Contribution to Engineering Award from ASME and he was made an Honorary Member of the Structural Engineering Association of Northern California.*

NAME	CLASS	SPECIALTY	NOTE
Dr. [Name]	80	Physics	Dr. [Name]
Dr. [Name]	81	Chem	Dr. [Name]
Dr. [Name]	82	Physics	Dr. [Name]
Dr. [Name]	83	Physics	Dr. [Name]
Dr. [Name]	84	Physics	Dr. [Name]
Dr. [Name]	85	Physics	Dr. [Name]
Dr. [Name]	86	Physics	Dr. [Name]
Dr. [Name]	87	Physics	Dr. [Name]
Dr. [Name]	88	Physics	Dr. [Name]
Dr. [Name]	89	Physics	Dr. [Name]
Dr. [Name]	90	Physics	Dr. [Name]
Dr. [Name]	91	Physics	Dr. [Name]
Dr. [Name]	92	Physics	Dr. [Name]
Dr. [Name]	93	Physics	Dr. [Name]
Dr. [Name]	94	Physics	Dr. [Name]
Dr. [Name]	95	Physics	Dr. [Name]
Dr. [Name]	96	Physics	Dr. [Name]
Dr. [Name]	97	Physics	Dr. [Name]
Dr. [Name]	98	Physics	Dr. [Name]
Dr. [Name]	99	Physics	Dr. [Name]
Dr. [Name]	00	Physics	Dr. [Name]

# CBHS SCIENTIST ALUMNI

## BEFORE 2005



## CB SCIENCE ALUMNI BEFORE 2005

NAME	CLASS	SPECIALTY	NOTES
Bambery, Raymond J. PhD	60	Physics, Astronomy	JPL, NASA
Barbadillo, Stacy P.	81	Elec	Microchip Technology
Berry, Edwin X. PhD	53	Physics	Climate Expert
Binsfeld, Michelle E.	1	Anthropology	
Buchanan, Paul A.	80	Hydrology	USGS
Cress, James P.	60		
Doctolero, Michael H.	89		
Ecans, Mrs. Frances M.			
Facino, John J. Sr.	54		R. E. Wright Assoc.
Foy, Patrick Joseph	87	Biology	CA Dept. Fish & Game
Gamez, Mrs. Delena E.	87		
Garcia, Ms. Xochella R.	99	Biology	Vertex Pharm.
Golden, Michael P.	56	Biology	Wildlife biologist
Humfeld, Kelli R.	94		USF administrator
Irving, Mrs. Terra M.	95	Agricultural Biology	Agri. Bio. Tech.
Kuhn, Mrs. Amanda RCP	86	Respiratory Practitioner	Mercy Healthcare
Onishi, Marc E.	91	Chemistry	STL, Sacramento
Peter, Timothy J.	79	Geology	Associated Earth Sciences Inc.
Ramirez, Marco A.	97	Chemistry	Campbell Soup
Santolini, Michael J.	93	Biology	Genentech, Inc
Scherer, James R. PhD	49	Chemistry	UC Berkeley Rsch.
Smith, Alan J.	72	Electronics	Cleveland Inst. Electr.



posted: Monday, March 23, 2009 1:00 am

JIM MANN/The Daily Inter Lake | 0 comments

'The global warming hypothesis is dead, scientifically'

**Ed Berry** is making some noise about climate change, and he's singing a different tune than former Vice President Al Gore and his "Inconvenient Truth."

Berry, 73, an accomplished atmospheric physicist who recently moved to the Flathead Valley from Sacramento, Calif., was among about 700 scientists who attended the International Conference on Climate Change in New York City March 7-10.

Sponsored by the Heartland Institute, the group has decidedly different views on climate change than Gore and the Intergovernmental Panel on Climate Change.

The IPCC consensus asserts that the influence of human-produced greenhouse gases will cause a warming trend with dire environmental consequences.

The prevailing conclusion at the New York conference, according to Berry, is that "the global warming hypothesis is dead, scientifically."

The conference, he noted, was attended by high-profile scientists and figures such as former NASA astronaut and U.S. Sen. Harrison "Jack" Schmitt, whom Berry has known since he was an undergraduate at Caltech University.

"It seems every few years we run into each other," he said. "We were good friends from Caltech all the way through."

Berry noted that the attendance of 700 scientists at the conference "is just a drop in the bucket" of the growing ranks of scientists who disagree with IPCC conclusions.

"There's a big list of scientists that in just the last year have changed their minds," Berry said. "The momentum is in our direction."

But politics, he said, are still thoroughly dominated by global warming alarmists and major media that advance their views.

"Clearly, Al Gore is good at what he does," Berry conceded, adding that it is now up to scientists with different views to make them known.

Since moving to the Flathead, Berry has been publicly engaged on the topic, writing letters to the editor and speaking to groups, using a lengthy PowerPoint presentation that is basically an outline for a book he is writing.

"What I'm after is making it comprehensive but simple because I'm aiming at the general public rather than scientists," he said of the book.

Berry insists that the models used to support the warming theory produce faulty predictions because they cannot account for all of the dynamics influencing the atmosphere.

They cannot account for ever-changing greenhouse gases, radiation, solar energy and ocean currents. One of the greatest omissions from climate modeling, Berry said, is they do not account for the incredibly dynamic influences of cloud cover, a subject he knows well.

After Caltech, Berry went on to earn a master's degree in physics from Dartmouth College, and then a Ph.D. in physics from the University of Nevada.

His doctoral thesis involved measuring and predicting the formation of the smallest

water molecules into raindrops.

He was the chief scientist and manager of the airborne research facility at Nevada's Desert Research Institute, where he developed instrumentation technology for aircraft in monitoring the atmosphere.

He recalls one aircraft radar innovation in 1972 that produced the largest radar image of a hurricane up to that time.

Berry also managed for a period the National Science Foundation's weather modification program, which involved cloud-seeding research. He was involved with a research project that for the first time identified how cities, filled with heat-radiating concrete and asphalt, actually modify the weather.

For Berry, studying the atmosphere wouldn't be complete without actually getting into it.

He started as a glider pilot and later became a powered airplane pilot. He got involved in competitive sailing with his wife, eventually winning major national and North American regattas.

Throughout his educational and work experience, Berry says he is most grateful for the pre-eminent scientists who taught him how to approach problem solving, going all the way back to learning under the renowned Linus Pauling at Caltech.

"It isn't the things you learn," Berry said. "It's how you learn to think."

Berry has deep concerns about the political direction for climate-change policies, particularly a cap-and-trade system that is likely to come from Washington, D.C. It is a system that will produce a bureaucracy and it will essentially amount to a tax on energy production and consumption.

It was a major topic at the conference in New York, where economists projected the economic impacts.

"People have different numbers, but they are all big," Berry said of those impacts.

"It's going to affect the cost of energy significantly," he adds, in a regressive fashion impacting low-income energy consumers the most.

Reporter Jim Mann may be reached at 758-4407 or by e-mail at [jmann@dailyinterlake.com](mailto:jmann@dailyinterlake.com)

Larry Ito, Ph. D.  
Recipient of  
Creighton University's  
2002 Alumni Achievement Citation



Dr. Ito posing with some of the chemistry faculty. From left: Dr. Juliane Soukup, Dr. Mark Kearley, Dr. Larry Ito, Dr. Bruce Mattson, Dr. Martin Hulce and Dr. Gary Michels

Larry N. Ito received his BS Chemistry from Creighton University in 1984 and his MS in Chemistry (1986) also from Creighton University. He received his PhD Chemistry, University of Minnesota in 1990. Dr. Ito currently works for Dow Chemical Company in Midland, Michigan where he has achieved the company's highest technical/research rank of Dow

Fellow. His area of expertise is heterogeneous catalysis and process design. In his ten years at Dow Chemical, he has received over ten major awards from Dow and Michigan Catalysis Society and holds 7 US patents and 15 world patents.

Dr. Ito exemplifies Creighton's Credo with his demonstrated dedication to humanity and the importance of protecting our earth and making it a better place to live for people and all of God's creatures. Dr. Ito has dedicated his professional life to finding new scientific truths that directly improve our world and protect it for future generations. He personally portrays many Jesuit qualities; he is caring, thoughtful, introspective, humble, and selflessly gives of his time and talents. He has been described as a 'consummate listener.' He personally epitomizes one who respects the intrinsic value of every person and living thing. His professional contributions and faithful pursuit of truth and better ways have enriched the human community and our world. Dr. Ito's chemical processes have changed our world for the better in concrete ways that few, if any, of us can imagine doing. In my opinion, Dr. Larry Ito exemplifies an individual with most noteworthy and distinguished service to the University.

After joining Dow Chemical, Dr. Ito became involved in designing chemical processes that would take chemical waste streams from other Dow commercial processes and convert the waste materials into useful products. His work led to the development of industrial applications that has allowed to Dow to eliminate the use of several existing chemical incinerators while concomitantly reducing potential Greenhouse emission gases significantly. The value to Dow is estimated at over \$100 million annually! Most of these processes carry a weighty environmental importance. As for the effects that Dr. Ito's contributions have on society as a whole, it simply is hard to imagine! Dr. Ito has used his acute mind basic science knowledge mastered first at Creighton University and then the University of Minnesota and has gone on to change the world for the better! On a 1998 Dow evaluation, Jack Kruper (Dow) wrote, "He (Dr. Ito) has accomplished more value creating opportunities for Dow in a few short years than most researchers do in a lifetime." In 1994, Dr. Ito was awarded Dow's Environmental Care Award. These contributions directly protect the environment and impact the quality of life for all

Americans and thus nicely exemplifies numerous points of the Creighton Credo.

Larry Ito lives with his wife Kim and his three children (Matthew, Jeffrey, Jacqueline) in Midland, Michigan.



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## Near Earth Object P

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NEAR-EARTH ASTEROID TRACKING (NEAT)

The NEAT discovery team at the NASA/Jet Propulsion Laboratory has a cooperative agreement with the U.S. Air Force to use a GEODSS telescope to discovery near-Earth Objects. The NEAT team designed a CCD camera and computer system for the GEODSS telescope located on Haleakala, Maui, Hawaii. The CCD camera format is 4096 x 4096 pixels and the field of view is 1.2 x 1.6 degrees. When used for NEO discovery efforts, Air Force contractor personnel operate the telescope and the data are routed directly to the Jet Propulsion Laboratory for analyses. The NEAT system began observations in December 1995 and observed for 12 nights each month centered on the new moon through December 1996. Beginning in January 1997, the number of observing nights was reduced to the six nights each month preceding the new moon because of increased Air Force operational requirements upon the facility. In February 2000, NEAT operations were transferred from the one-meter GEODSS telescope to the nearby AMOS 1.2-meter telescope. While the field of view of the AMOS 1.2-meter telescope is about that of the 1-meter GEODSS telescope, the AMOS telescope is available for more nights per month than was the GEODSS telescope. Beginning in April 2001, a 1.2 meter aperture Schmidt telescope at Palomar mountain (southern California) was also put into service to discover and track near-Earth objects. This telescope is equipped with three cameras, each of which has its own 4096x4096 CCD array.

As part of the NEAT effort, a SkyMorph system was developed whereby searches can be made for pre-discovery images of newly discovered objects. These pre-discovery images can then immediately improve the initial orbits of newly discovered NEOs and ensure that these objects will not be lost. Searches within the SkyMorph system can be made upon the archive of approximately 40,000 CCD images made by the NEAT system or within either the original or second generation Digitized Sky Surveys (DSS and DSS2).

### Raymond Bamberg: Principal Investigator

Steven H. Pravdo: Co-Investigator and Project Manager

David L. Rabinowitz, Ken Lawrence and Michael Hicks: Co-Investigators

Look here for additional information on the NEAT program:

<http://neat.jpl.nasa.gov/>

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ARCHITECT ALUMNI

BEFORE 2005

## CB ARCHITECT ALUMNI BEFORE 2005

NAME	CLASS	SPECIALTY	notes
Albericci, Ms. Allison N.	99	Urban Designer	Skidmore Owings & Merrill LLP
Burger, Edmund G.	47	Arch/Owner	Edmund Burger Arch
Carissimi, Ronald J.	51	Arch/Pres.	Cirissimi Rohrer Assoc
Cecchettini, Brunero	68	Residential	
Colmenarez, Ruben O.	84	Analyst	Orange Co Fire Authority
Cook, Lawrence F.	54	Arch/Owner	Lawrence F. Cook, Arch
Fong, Jeremy T.	97	Arch	William Adams, Architects
Garcia, Steven D.	96	Designer	Limn Co
Glanville, Richard	67	Landscape Arch/ Owner	Glanville Assoc
Hurtzig, John C.	74	Landscape Arch	CalTrans
Jelicich, John A.	69	Planning Director	Trinity Co
Lopez, Mark J.	88	CAD Operator	
Luchini, Eric S.	96	Assoc Planner	City of Concord
McKechnie, Mark	67	Project Mgr	Univ of Maryland
McKoy, Patrick J.	51	Arch	State of CA
Pacheco, Thomas E.	64	Arch	State of CA
Prettyman, Gregory L.	74	CAD Mgr	State of CA
Radosevich, Louis J.	99	Student	
Russell, Mark E.	72	Arch/Owner	Mark Russell Architects
Tunison, James C.	66	Dir of Arch	LJB Arch & Engr
Valle, John E. NCARB AIA	65	Arch/Owner	John Valle & Assoc
Wiedner, John William	86	Arch	Shimahara Illustration