

Vice President's Message



By
LeVal
Lund

California Levees in Jeopardy?

The California Delta, created millions of years ago, is the confluence of the Sacramento and San Joaquin Rivers. Where the two rivers converge is a 1,153-square-mile maze of channels and islands. The agricultural and urban areas adjacent to the Delta, as well as along the rivers from Red Bluff to Fresno, are protected by 2,600-miles of levees. These levees are subject to damage by flooding and earthquakes, which could jeopardize the drinking water supply, agricultural supply, water quality and environment for Northern California, San Francisco Bay Area, Central Valley and Southern California.

The levees, originally constructed over 100 years ago, were often constructed by farmers, not engineers, to protect their lands from flooding or to create new lands for farming. Today there are still some privately owned levees, while others are owned and maintained by reclamation districts, the State and Federal governments. Some levees have been weakened by the erosion of levee bare slopes, seepage by levee tree roots and animal burrows. Flooding could cause over topping or breaching of the weakened levees. Levees in the Delta have been subject to subsidence, the gradual sinking of the land behind the levees from oxidation of the peat soil and compaction by farming. Many Delta islands are 25 feet below sea level; with the continuing subsidence there is the need to raise the height of these levees.

The peat soil was created many years ago by the deposition of vegetation from river runoff along with fine sands and silt. These fine sands, along with the high water table in the Delta, subject the foundation for the levees to liquefaction in an earthquake. Liquefaction is like "quick sand" which could cause failure of the levee.

The Delta, in addition to being critical for urban development, agriculture and the environment, is a significant utility lifeline corridor. Major highways, railways and shipping channels pass through the Delta, as well as water aqueducts, gas transmission and power transmission lines. Damage to these facilities could interrupt service to most all of the State.

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Levees Jeopardy

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In light of the aftermath of the damage caused by the 2005 hurricane Katrina along the Gulf of Mexico coast, there has been keen interest in their condition by the administration, legislature and the people who live near the levees in the California Central Valley. Governor Schwarzenegger in his "State of the State" address January 2006, called for the passage of sweeping infrastructure bonds. Water related portion of his speech he indicated the need for increasing investment in water infrastructure and flood control. Key points were increasing water storage capacity, expanding the state water delivery capacity network and strengthening the states levees. The total infrastructure costs would be \$220 billion over the next ten years. The water bond total is expected to be \$9 billion over at least two bond issues.

There are a number of proposals in the State legislature to raise the money by issuing bonds and/or charging a fee on the on the water bills for residential, commercial and agricultural users. The "water fee" as it is being called is receiving strong opposition. Water storage, separate Delta conveyance facility and funding is receiving considerable discussion along party lines. The Legislature is currently very active in attempting to meet deadlines for a bond issue to be placed before the voters in the upcoming election. 

Mulholland Exhibits

DWP - William Mulholland: Los Angeles Visionary and Remarkable Public Servant
Mulholland Exhibits are *open for public viewing during the regular business hours* at the DWP John Ferraro Building (111 North Hope Street)

MWD - Broad Visions: William Mulholland and the Colorado River Aqueduct
MWD Union Station Headquarters
(700 North Alameda Street)

Metropolitan Water District


JEFF KIGHTLINGER ANNOUNCED AS METROPOLITAN GENERAL MANAGER


Jeff Kightlinger, the lead attorney on western water issues for the Metropolitan Water District of Southern California, was introduced on February 14, 2006 as the new general manager of the Southland's major water importer and wholesaler.

Metropolitan's Board of Director's approved a contract for Kightlinger, Metropolitan's general counsel for the past four years, to become the 13th general manager in the agency's 78-year history. "Mr. Kightlinger offers an impressive resume of actual experience, having directed Metropolitan's legal staff and consulting attorneys, being the key strategist on litigation and protecting Metropolitan's interests in all things legal," said MWD board Chairman Wes Bannister. "In this new role, **he will simply exchange his current responsibility of protecting Metropolitan's interests in the legal arena, to protecting the agency's interests in every area of business.** His background in environmental and water rights negotiations will prove vital to the agency's future as we rise to the challenges in maintaining reliable water supplies from the Colorado River and Northern California, as well as seek out new transfer, storage and water management opportunities," Bannister said.

Contact: Bob Muir, (213) 217-6930; (213) 324-5213, mobile Feb. 14, 2006

Annual Water Quality Reports are Available from DWP and MWD.

See websites for information:
(www.ladwp.com or <http://www.ladwp.com>)
 or call Melinda Rho (213-367-1329).

(www.mwdh2o.com or
<http://www.mwdh2o.com>)
 or call Edgar Dymally 23-217-5709)

Board Meeting Guests

Thank You

Our guest speakers, guest members and non-members contribute tremendously to the quality of discussions and exchange at our Board meetings, and we thank them. Recent guests include:

Fred S. Barker, P.E. W&PA member;
LADWP Waterworks Engineer,
Transmission Operations,
Water Quality & Operations.

Tim Hemming W&PA member;
Retired LADWP Power Engineer;

Kent Noyes W&PA member;
Retired LADWP;

Rita Oliphant. W&PA member;

Ed Schloatman
Retired Assistant Deputy City Attorney

Edgar G. Dymally,
Guest Speaker;
W&PA member;
Metropolitan Water District
Of Southern California;
Senior Environmental
Specialist, Water Quality



Gerald Gewe retired from DWP
as Chief Operating Officer-Water
System. Presently he is Adjunct
Professor of Civil Engineering
teaching "Engineering Ethics" at
Cal Poly Pomona.



Anh-Thu Pham
W&PA member;
LADWP Manager,
Graphic Displays & Exhibits,
Corporate Communications



DWP Regional Science Bowl 2006

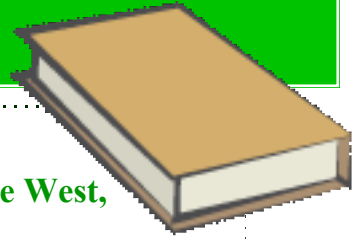
W&PA, Inc. Members Volunteer Help

Water and Power Associates members assisted DWP employees with the **14th Annual DWP sponsored Regional Science Bowl** on February 25, 2006. Associates member volunteers *Fred Barker, Dorothy Fuller, Tim Hemming, LeVal Lund, Victor Murillo, David Oliphant, and Melinda Ro* along with many DWP employees participated as moderators, timekeepers and scorekeepers. *Lund* and *Oliphant* also conducted student group tours through the Mulholland 150th exhibit.

Walter Zeisl, DWP Corporate Communications Education Coordinator, managed the event, a part of the *U. S. Department of Energy National Science Bowl*. This annual high school event is designed to encourage students to pursue studies and careers in mathematics, science and technology. The Science Bowl also seeks to showcase the talents of local high school scholars and to enhance student achievement by providing motivation and incentives for success. Public schools throughout the Los Angeles Unified School District and private/parochial schools within the city participated.

DWP Regional Science Bowl winning teams have had the greatest success at the national competition compared to any other area in the nation. Local teams have won four national titles and achieved final four status seven times since 1995.

There were 42 teams, of four students each, from 29 high schools entered into the competition using eighteen DWP conference rooms to conduct the competition. A round robin competition was held in the morning and a double elimination competition in the afternoon. *North Hollywood High School was the winner and El Camino Real High School the runner up. North Hollywood High School will represent the city at the National Science Bowl in Washington D.C. April 27 to May 1, 2006.*



BUILDING THE ULTIMATE DAM:

John S. Eastwood and the Control of Water in the West,

by Donald C. Jackson .

Norman: University of Oklahoma Press, 2005. 336 pp. Maps, line drawings, illustrations, notes, glossary, index. Paper, \$19.96. Order from University of Oklahoma Press, Order Department, 2800 Venture Drive, Norman, OK 73069-8218; (800) 622-7377; www.oupres.com.



By Abraham Hoffman

First published in 1995, this new paperback edition of Donald C. Jackson's study of the career of John S. Eastwood makes the work available to a wider audience. It certainly merits attention, for it is an excellent inquiry into the life and work of a man who, if not neglected in the history of water resource development, has been overlooked and his contributions unfairly denigrated. Born in Minnesota, Eastwood (1857-1924) became a civil engineer specializing in dam construction. He developed a method of building multiple arch dams as an alternative to the massive gravity dams that were standard in the planning of engineers in the late 19th and early 20th centuries. In contrast to the massive gravity dams (the one most familiar to everyone would be Hoover Dam), Eastwood created dams that utilized far less concrete and cost as little as half that of gravity dams. For anyone unfamiliar with the multiple arch design, think of a line-up of arches on the upstream side of a reservoir and a series of buttresses on the downstream side. Eastwood designed arches that were as thin as a foot at the top of the arch.

☞ To many engineers of the time, Eastwood's designs may have been graceful, but they also seemed fragile when contrasted with gravity dams. Moreover, Eastwood lived for a quarter century in Fresno, hardly a center of dam engineering, and while in later years he moved to Oakland, his operation was seldom more than a one-man office. For much of his career he designed small dams for mining and logging companies, private power companies, and local public agencies. It should be noted that not one of the dams he designed has ever failed. However, engineers who favored conventional gravity dams considered him a maverick on the margins of mainstream engineering. Eastwood ran up against two men in particular: John R. Freeman, a major proponent of gravity dams, and Wilbur F. McClure, California's state engineer in the 1920s. These influential men succeeded in keeping Eastwood on the fringes of the great age of dam construction.

☞ Eastwood's accomplishments included the Big Bear Valley Dam and Littlerock Dam in southern California; he also found strong support from San Diego businessman and developer Ed Fletcher who engaged Eastwood's services in designing and building storage reservoirs in the San Diego area. Another supporter of multiple arch dams, Sylvester Q. Cannon, hired Eastwood to design dams in the Salt Lake City region. Although at times Eastwood was financially hard pressed in seeking commissions, Fletcher and Cannon gave him both income and validation for his designs.

☞ Unfortunately for Eastwood, Freeman and McClure demonstrated a hostility to him that went well beyond professional differences. For example, Eastwood needed McClure's approval for the plans for Littlerock Dam, but McClure dragged out the approval process with one bureaucratic delay after another. Freeman belittled Eastwood in professional journals. Eastwood had a temper, and it didn't help him to write angry letters and protest publicly that his designs were safer than conventional gravity dams, since the "establishment" engineers could more easily brand him an obsessive crank.

☞ Eastwood died of a heart attack in 1924, and multiple arch dams essentially died with him. No dams using this design have been built in the United States since World War II. Jackson has done an outstanding job of telling Eastwood's story, and non-engineers or people concerned about mathematical complexities will find the narrative clearly written and a compelling story. Several points are worth noting. Jackson observes that the Great Depression inadvertently supported the conventional, massive gravity dam view of Freeman and his cohorts. The public works projects of the New Deal era cemented (pun intended) an image in the public mind of how dams should look: "Hoover Dam, Grand Coulee Dam, and the dams built by the Tennessee Valley Authority", dams that in their massiveness satisfied public concerns about safety. Such constructions carried with them the stipulation that dams cost a lot of money, and the public accepted that too. Eastwood's graceful designs seem deceptively fragile and cost far less. The dam-building establishment, including the Bureau of Reclamation and the Corps of Engineers, gives the public its money's worth, with no one surprised at the cost overruns.

☞ Jackson, in co-authorship with Norris Hundley, wrote an important article, "Privilege and Responsibility: William Mulholland and the St. Francis Dam Disaster" in the Fall 2004 issue of California History, a decade after this book was first published. They note that Wilbur McClure gave the St. Francis Dam a rubber-stamp approval with minimal inspection in contrast to the red tape he threw at Eastwood's Littlerock Dam designs, though both were in the same area only a few miles apart. After the failure of the St. Francis Dam, Freeman urged a retrofitting of multiple-arch dams even though the St. Francis Dam was a gravity design. Eastwood might have relished the irony, but he was already dead, a victim of history's selectivity and the path not taken. ☞

Historical Preservation Committee (HPC)

Mulholland/Scattergood Museum & Learning Center



By David J. Oliphant


The **Historical Preservation Committee (HPC)**, jointly chaired by W&PA Board member Dave Oliphant and DWP Exhibits and Displays Manager Thu Pham and composed of Associates Board members, interested DWP personnel, and retired DWP persons, has been working on a number of projects to preserve DWP institutional history. Among the projects are: archiving and storing historical artifacts, materials and other memorabilia; collecting and making video and audio recordings of people with institutional knowledge of the Department's history; and establishing a learning center and museum to educate the public on the Department's history and current activities in providing state-of-the-art utility services to the community. What follows is an update of our current activities.

The HPC's **Archival SubCommittee** is chaired by Victor Murillo, ably assisted by Tom McCarthy, LeVal Lund, and Thu Pham, among others. After visiting several museums, learning centers and the like, and speaking to the curators and archivists, the Archival Committee determined that the best database system for Department storage would be PastPerfect and are recommending that this system be used. Its flexibility and ease of use for different kinds of memorabilia storage proved the optimum system. With the purchase of the software and the provision of two or three personal computers, identification and storage of historical items at facilities made available at Crenshaw Commercial Office can commence. In addition, the Department has commenced the process to create a position for a full-time archivist in the future, to manage this activity. Members of the Associates and the Retired Employees Association, with appropriate training, may be able to assist in inputting initial data to commence the storage.

The HPC's **Audio/Video Interview SubCommittee** consists of Jim Wickser, Mike Moore and Thu Pham. Earlier this year, Thu Pham and Peter Garra went up to the Owens Valley and conducted a valuable video interview of Bob Phillips and Catherine Mulholland to preserve their recollections of early Department history. These will be added to the collection of 40 or more transcripts of interviews of significant DWP personnel by Dick Nelson, interviews by Steve Erie of Bob Phillips and of Mike Ely, and other transcripts in the Department's files. Jim and Mike are preparing a list of additional persons to interview.

The **Mulholland / Scattergood Learning Center and Museum (MSLC) SubCommittee**, chaired by Richard Dickinson, continues to work towards the establishment of DWP museum and learning center. Dickinson is working on putting together a management plan, incorporating the work that has been done previously, and adding in additional research as it is completed. Members of the HPC have visited any number of museums, including the [L.A. Airport] Flight Path Learning Center, [L.A.] Police Museum, [L.A.] Fire Museum, Cabrillo Aquarium, the Nethercutt Museum, and the Huntington Library. The activities of your Associates members, in assisting the Department in the 2002 DWP 100th Anniversary displays, and the current William Mulholland 150th Anniversary exhibit, provided us with useful exposure to the kinds of problems involved in setting up and managing displays. Dave Oliphant, Ken Downey and Bill Williams are preparing documents for the formation of a nonprofit corporation which, if appropriate, could be used to manage such a facility as well as raise funds for it. We hope to have a total package completed this spring which could be presented to management for its consideration. Meanwhile, a number of facilities have been suggested for a MSLC location.

The **MSLC Activities Learning Center SubCommittee**, composed of Dorothy Fuller and Walter Zeisl, has been looking at a variety of activities in which a learning center might be effective. Walter is concentrating on school activities from elementary through high school. Dorothy is concentrating on adult activities. Walter's experience with Department educational activities, from preparation of teacher/student materials to conducting activities such as the Science Bowl, and Dorothy's years of work with the Muses of the California Science Center, are examples of experiences that provide strong backgrounds in proven delivery methods.

It is proposed that the museum will deal with both the Department's history and its current activities in leadership of the water and power industry. The learning center will provide interactive educational and entertaining functions designed to interest and intrigue school-age youngsters, encourage them in activities to benefit the community such as conservation of energy use, and encourage them to consider the utility field for careers. A supplemental feature will be a Study Laboratory where historians, educators, and energy providers could view DWP documents, recorded materials, photographs, drawings and writings, for accurate historical knowledge. 

Board Of Directors ✨ 2006

ROBERT AGOPIAN retired

from the DWP as Manager of Electrical Distribution Design. Positions previously held at DWP were Assistant Engineer of Facilities Construction, Assistant Engineer of Distribution Construction and Maintenance, Engineer of Underground Distribution Design, Transmission Engineering and Network Studies, and Overhead Design.

Mr. Agopian has worked as a consultant and as an expert witness on many electrical accident and injury lawsuits. He resides in Los Angeles' Hancock Park and has been on the Board of Directors for the Los Angeles Tennis Club.

Mr. Agopian is a LIFE MEMBER of the Institute of Electrical and Electronic Engineering society. ◇



Wally BAKER is Senior Vice President, Economic and Public Policy Consulting, for the Los Angeles Economic Development Corporation (LAEDC), overseeing all aspects of consulting partnerships and consulting research projects.

The LAEDC's role in influencing and defining the region's economic well-being has been shaped, in no small measure, by Wally Baker's leadership. He has made significant contributions to the organization's vision and influence, while generating operating revenue. Through his open and creative approach to discerning and addressing needs, the LAEDC is a frequent consultant to mega projects of State and national significance. It advises a who's who list of organizations which are vital to the viability of California's infrastructure and economy - Metrolink, the Ports of LA and Long Beach, the Alameda Corridor, Alameda Corridor East, LAX, all 5-County Transportation Commissions, UCLA, USC's Tomas Rivera Policy Institute, and the California Film Commission. Wally has compiled a powerful portfolio of knowledge in the areas of mega-project management, strategy, environment, fund, outreach campaigns, and public private partnerships.

Wally was instrumental in establishing the new Southern California Leadership Council - enabling civic leaders to address public policy issues critical to the economy and quality of life. He is spearheading the creation of the Backyard Coalition - a media partnership which informs public discussion and facilitates positive public response to crucial needs in communities. Wally gives his time, energy and monetary support, volunteering on executive boards of the Water and Power Associates and the Southern California Salvation Army.

Wally retired from the Southern California Gas Company, communications Initiative Manager. ◇



RICHARD A. DICKINSON

retired from the City of Los Angeles with 32 years of public service. Most of his career was with the City Administrative Officer (CAO), which by Charter serves as the advisor to both the Mayor and City Council. His assignments included serving for six years as the liaison to the Department of Water and Power, during which time he was involved in such matters as the restructuring of water rates, the Mono Lake agreement, the Inyo ground water pumping and the rewatering of the Lower Owens. Most recently Dickinson directed the overall preparation of the Los Angeles City budget, supervised the public safety budget group, and directed teams working on Charter reform and Valley, Harbor and Hollywood secession. He also served as chief of the CAO's grants group that was responsible for overseeing the City's non-General Fund programs including housing, redevelopment and economic development.

During Dickinson's career, he also served as Harbor Department liaison analyst and Fire Department budget analyst. Other interesting assignments included: (1) the Alameda Corridor project where he was involved in the basic agreements from land acquisition to operating agreements with the railroads; and (2) the 1984 Olympic Games where he participated in the bid process and then, once the Games were awarded to Los Angeles, participated in negotiating and administering a contract with the Los Angeles Olympic Organizing Committee (LAOOC) that provided full reimbursement for all municipal services.

Dickinson is currently a member of the Los Angeles Conservancy, a member of several museums, and serves on the Loraine Square Homeowners Association in Glendale ◇



NANCY I. DAY has worked for over 30 years in both regulated and competitive energy businesses.

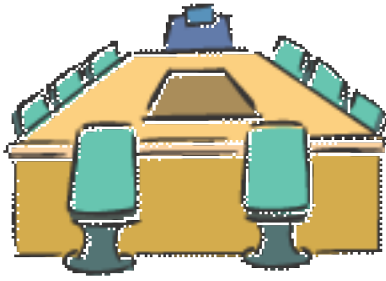
Most recently Nancy was Senior Vice President of Government & Regulatory Relations for New Energy (now Constellation New Energy) - the first U.S. non-utility company to engage in retail electricity sales.

Prior to joining New Energy, Nancy was Vice President of Regulatory Affairs for Southern California Gas Company. While at the Gas Company Nancy helped guide the company through the most significant competitive and regulatory changes experienced in that company's 100+ year history.

Nancy earned her B.S. Degree in Business Administration from the University of Redlands and she completed the Harvard University, Graduate School of Business Administration, Advanced Management Program.

Nancy is a member of the Board of Directors of the Los Angeles County Economic Development Corporation and chairs its California Energy Strategy Team. She is President of the Water and Power Associates. ◇

Board Of Directors ❄️ 2006



KENNETH W. DOWNEY,

a native of Los Angeles, practiced law for 37 years - 30 years as Assistant City attorney at DWP. Most of his legal efforts were in the fields of Land, *Municipal Affairs*, Water Law and Environmental Law.

Downey obtained a B.S. degree at Stanford University and a Law Degree at UCLA. He is a member of the California State Bar. He has also served in the U.S. Marine Corps. (His grandfather worked the construction of the L.A. Aqueduct.) ◇

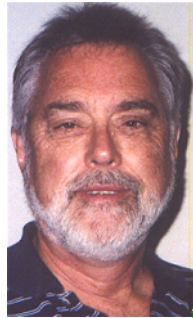
VINCENT J. FOLEY retired from the L.A. Department of Water & Power in 1995 after a 36-year career. His total career was in the Municipal Finance and Pensions areas of DWP.

Vince has been volunteering his entire adult life. From his 18th birthday (when he became an Assistant Scoutmaster) until today, he has been actively involved with at least one community organization, and usually several at a time.

He has served on the Boards of the following organizations:

- Arcadia Citizens for the Police Station Bond Issue (Chairman)
- Arcadia Citizens Financial Advisory Committee (Vice Chairman)
- Arcadia City Charter Revision Committee
- Arcadia Tournament of Roses Association (President)
- Arcadia Unified School District, Facilities Improvement Committee
- American Heart Association, Arcadia Chapter
- Arcadia Methodist Hospital, Major Gifts Committee
- Los Angeles Area Council, Boy Scouts of America
- Los Angeles Water & Power Associates (President, current Treasurer)
- DWP Retirement Board of Administration (President)
- Los Angeles City Deferred Compensation Plan (founding member)
- Government Finance Officers Association of the U.S. and Canada
- National Association of Government Deferred Compensation Administrators
- St. Francis High School Booster Club (President)

Foley currently serves on the Boards of the Rancho Santa Anita Residents Association and the DWP Retired Employees' Association. He is coordinator of the volunteer patrol-support officer program for the Arcadia Police Department, and a docent at the L.A. County Arboretum. ◇



STEVEN P. ERIE

is a Professor of Political Science and Director, Urban Studies and Planning Program, University of California, San Diego.

Erie is the author of "Globalizing L.A.: Trade, Infrastructure and Regional Development", and has, with Gregory Freeman, co-authored many other books and publications. ◇



DOROTHY M. FULLER,

Secretary and Newsletter Editor, retired after 30 years in the DWP Commercial and Customer Services Divisions. She retired as Commercial Manager of the Credit and Collections, Mail Center and Accounts Receivable units. She was also a member of the Water and Power Speakers Club, W&P Speakers Bureau, Toastmasters, and trainer in the Departmentwide Total Quality Management (TQM) and Customer Focused Quality (CFQ) programs.

In addition to volunteering 26 years at the ◦California Science Center (formerly, California Museum of Science And Industry), since retirement, Fuller has volunteered, served on several boards, and held numerous offices with

- The MUSES of the California Science Center Foundation,
- the LAPD Community-Police Advisory Board,
- the Eighth Council District Empowerment Congress,
- L.A. City Attorney's Office Days Of Dialogue,
- L.A. Personnel Department, and
- Water And Power Associates. ◇

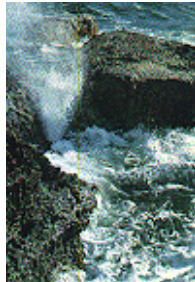
GREGORY FREEMAN is the Vice President Public Policy Consulting for the Los Angeles County Economic Development Corporation (LAEDC) and the California Economic Research Center (CERC). He conducts economic and public policy research for clients of the LAEDC, including both public agencies and private companies. Mr. Freeman's primary areas of expertise are in economic impact analysis and trade and transportation infrastructure.

Mr. Freeman has conducted numerous economic impact studies on projects ranging from special events (such as the Oscars), to new hotels, development projects, and company expansions, to analyses of the ongoing operations of major institutions such as the University of California, Los Angeles and the Los Angeles Metropolitan Transportation Authority. He is frequently the lead investigator on important economic impact projects, most recently for analyses of the economic impact of the Breeders' Cup; the job, wage, and tax implications of planned operations of the new Home Depot Center in Carson; and a study of the implications of Wal-Mart's entry into the Southern California grocery market.

Mr. Freeman is a frequent speaker on trade, population, and transportation trends in Southern California. He has co-authored several papers on major infrastructure for the Southern California Studies Center at the University of Southern California: *The LAX Master Plan: Facing the Challenges of Community, Environmental and Regional Airport Planning*, co-authored with Professor Steven P. Erie and Thomas Kim; *Planning Airport Expansion: A Survey of Best Practices at Nine Leading International Airports*, co-authored with Steven P. Erie and Harold Brackman; and *Global High-Speed Rail Projects: Lessons for California*, co-authored with Steven P. Erie and Harold Brackman. *W(h)ither Growth: Metropolitan Water District Policies and Southern California Sprawl, 1928:1996*, co-authored with Steven P. Erie and Pascale Joassart-Marcelli, was published as a chapter in book on urban sprawl.

Before joining in the LAEDC, Mr. Freeman was a research analyst at Decision Research, a national polling firm. Mr. Freeman gathered and analyzed polling data and wrote focus group and survey reports for political candidates and ballot initiative campaigns. While a graduate student at the University of California, San Diego, Mr. Freeman worked as a researcher and teaching assistant. He was a consultant for the Canadian Department of Indian and Northern Affairs before moving to the United States in 1995.

Greg was born in Canada and is a citizen of both his native country and the United States. Mr. Freeman holds a Bachelor of Arts degree in Political Science from the University of British Columbia, Canada, and has completed three years of course work in the Ph.D. program in political science at the University of California, San Diego. ◇



EDWARD G. GLADBACH

retired from LADWP as a Senior Power Engineer in Power Design and Construction (PD&C).

He was elected in 1985 to the Board of Directors of the Castaic Lake Water Agency where he continues to serve. Other Boards of Directors on which he has served include the Water Education Foundation since 1988 and the Association of California Water Agencies from 1986 to 1993, again since 1988 where he also served as Vice President and a member of the Executive Committee of the Association of California Water Agencies' Joint Powers Insurance Agency. Gladbach also served on the Los Angeles County Local Agency Formation Commission (LAFCO).

Gladbach is the Grand Knight in his parish's Knights of Columbus. ◇

ABRAHAM HOFFMAN

is an Instructor in the Department of History of Los Angeles Valley College. He earned his Ph.D. (History), UCLA; M.A. (History), California State University, Los Angeles; B.A. (Social Studies), California State University, Los Angeles

Research Interests and Activities

Book Editor, *Western States Jewish History Research in the history of California; American West, immigration and ethnicity; water resource development; motion pictures (silent era)*

Hoffman holds professional memberships in:

- Organization of American Historians,
- Western History Association,
- Historical Society of Southern California,
- Western Writers of America,
- Los Angeles City Historical Society,
- Water and Power Associates, Inc.

Also an author, his book publications include: *Vision or Villainy: Origins of the Owens Valley-Los Angeles Water Controversy* (1981); *Unwanted Mexican Americans in the Great Depression: Repatriation Pressures, 1929-1939* (1974); *California Then and Now* (1995).

His articles are published in *Pacific Historical Review*, *California History*, *Southern California Quarterly*, *Arizona* and the *West*, *History Teacher*, other journals.

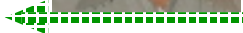
In addition to his quarterly book reviews in the W&PA Newsletter, his Book reviews are published in *American Historical Review*, *Journal of American History*, *Pacific Historical Review*, *Western Historical Quarterly*, *California History*, *Southern California Quarterly*, and other journals. ◇

Board Of Directors ✨ 2006

JOSEPH L. HEGENBART

retired from LADWP as Assistant Chief Engineer of the Water System.

Deacon Joe Hegenbart is an Ordained Catholic Deacon, and he provides Detention Ministry at Barry J. Nidorf Juvenile Hall, and Deacon services for St. James The Less Catholic Parish, La Crescenta.



Alice Lipscomb

received a degree in Home Economics from Mount Mercy College (now, Carlow University) in Pittsburgh, PA. and took graduate studies at Columbia University. She worked at L.A. Department of Water and Power in the Power System Home Economics department where, [in the days of “unlimited energy”] she gave cooking demonstrations using “Medallion Home, All Electrical Cooking and Home Appliances”.

Lipscomb has also held responsible positions in the Home Economics field and traveled extensively on assignments for

- *Purex* (consumer relations, Director of Woman’s Touch Office),
- *Procter & Gamble* (product promotion -- Tide),
- *Sears, Roebuck & Company* (quality control; sales promotions),
- *Quality Bakers of America* (included Mexico & Canada) (product development & sanitation),
- *Waste King - Universal* (consumer relations).

Lipscomb teaches at Cerritos College, Whittier College, Mercy Hospital, L.A. Unified School Adult Education Department and she is a Sanitation Consultant

Still, she finds time and energy to volunteer with:

- California Home Economists Associations,
- Altrusa International of L.A.
- Family & Consumer Affairs Society,
- American Women in Radio & TV,
- Culinary Historians of Southern California,
- L.A. Trade Council,
- Carlow University Alumni,
- Good Shepherds Guild, and
- Water & Power Associates, Inc. ◇

LEVAL LUND

a Civil Engineer, Formerly Assistant Chief Engineer of Waterworks and Assistant Manager LADWP.

- Member of the Board of Directors of the John Marshall High School Alumni Association, Inc.
- President of the Board of Directors of the Caltech Gnome Club.
- Founding member Board of Directors of the Greater Griffith Park Neighborhood Council and currently a
- member of the Parks, River and Open Space Committee. ◇

THOMAS J. MCCARTHY,

P.E. retired from DWP in 2005. His last position was in the Power System as Director of Transmission & Distribution, Construction & Maintenance. He understands the issues that are involved with the Generation, Transmission and Distribution of Electrical Energy.

He is currently employed part time with Lindsey Manufacturing Azusa as a Technical Consultant.

M^cCarthy is also active with the

- Institute of Electrical and Electronic Engineers.
- the local Boy Scout Troop and serves on the Sierra Madre Financial Council for St. Rita's Catholic Church. ◇

MICHAEL T. MOORE

retired from LADWP Public and Legislative Affairs. He also serves on the Water and Power Retirement Board as the retiree representative.

Moore is the W&PA webmaster.

Board Of Directors ❄️ 2006

CATHERINE MULHOLLAND

a native daughter of Los Angeles and a granddaughter of William Mulholland, is a lecturer and writer of regional history and the biography of Mulholland.

She authored *William Mulholland And The Rise Of Los Angeles*; and *The Owensmouth Baby - The Making of a San Fernando Valley Town*.

She also co-authored *The St. Francis Dam Disaster Revisited*. ❖



CARLOS V. SOLORZA

current 2nd Vice-President of Water and Power Associates, Inc., is a former Department of Water and Power employee. He retired as Director of Administrative Services, Water System, after 35 years of service.

Solorza also volunteers as Board member and current Vice-President of the Interfaith Food Center of Whittier and La Mirada. (The IFC is a food distribution program serving approximately 800 families and 200 homeless individuals weekly.) ❖



JAMES F. WICKSER

retired from 37 years at Los Angeles Department of Water & Power where he worked for eleven years as the Northern District Engineer, Water System in Bishop and then Assistant General Manager/Water for 8 years.

Wickser is Past President of Water & Power Associates. ❖



DAVID J. OLIPHANT

was born in England in 1935 and came to the United States in 1955. He worked for the Los Angeles City Attorney, retiring in 1995 after some 29 years of service, the last 21 of which were served at the Department of Water and Power. His last position was as an Assistant City Attorney from 1981 to 1995. He is a member of the California Bar Association, and, in [c.] 1978, he argued the Manhart case before the U.S. Supreme Court.

A past president of the Water and Power Associates, Inc. and a current Board member, David presently chairs the Associates' Historical Preservation Committee. In his local community, he is active on the Board of Temple Beth Torah in Granada Hills, where he serves as Recording Secretary.

Prior to becoming an attorney, David worked for the Los Angeles School District as a teacher. With the DWP, he was engaged in a wide variety of assignments, including bond financing, pension and benefits law, and water rights litigation. He also served as a president of the Water and Power Speakers Club. From this broad background, David brings to the Associates Board a love for DWP history and a continuing interest in water and electric power matters. ❖



WILLIAM G. WILLIAMS

retired from LADWP as Assistant Chief Financial Officer. He was the first retiree appointed to the DWP Retirement Board of Directors under the new City Charter Directive. ❖

Power Related Events of 2005

On July 29, 2005 Congress approved the national energy policy. The effect on LADWP will include greater Federal Energy Regulatory Commission (FERC) oversight of DWP wholesale activities. Time will tell how the new legislation will affect DWP's Transmission business practices. **DWP has asked FERC to allow it to maintain its current Council approved open access transmission tariff (OATT).** DWP supports preserving local control of its power system with the principal to preserve the transmission system for the purpose for which it was planned and built: **to serve the needs of the electricity users in the city.**



Other key provisions of the act are:

- Reliability standards, Complaints and investigations of how the system is operated,
- Uniform refund authority to prevent market manipulation and
- Vegetation management to reduce outages on the transmission right of ways.

On September 12, 2005 the DWP Power System experienced a major outage that originated at the Toluca Receiving Station during upgrading the control systems at the station. The resulting outage affected a major portion of the power system affecting over a million customers. An independent investigation was undertaken and resulted in recommendations of:

- Perform work planning to avoid overlapping responsibilities.
- Better define the responsibilities of work participants relative to review and quality control of the design process,
- provide sufficient resources to provide complete engineering activities prior to field work including project management.
- Conduct daily tailgates to review the days work activities,
- Provide adequate training for workers relative to work practices and work methods.

By Thomas J. McCarthy



In addition, recommendations were also made relative to the response of the dispatchers during a major disturbance

Los Angeles Mayor Villaraigosa has set the goal of having renewable energy sources make up 20% of the electricity provided by the city Department of Water and Power by the year 2010. To achieve this goal green power will be produced by the DWP's Pine Tree Wind Project and in partnership with Imperial Irrigation District, DWP will build a Transmission Line to bring Geothermal Power from Imperial Valley. Also DWP has signed power contracts for energy from landfill gas.

Earlier this year FERC completely exonerated DWP from any energy manipulation during the early 2000's during the energy crisis that the IOU's faced. Because of the alleged ENRON-like actions the 2005 Energy Act was written to combat that type of practice in future wholesale trading activities. ☺



Annual Membership Meeting

At the February Annual Board/General Membership meeting, as required by the Water & Power Associates, Inc. bylaws, one third of the Board Of Directors were elected for 3-year terms

Directors elected to 3-year terms ending in **2007**:

Nancy Day,
Gregory Freeman,
Dorothy Fuller,
Abe Hoffman,
LeVal Lund,
James Wickser,
William G. Williams.

Directors elected to 3-year terms ending in **2008**:

Wally Baker,
Kenneth Downey,
Steve Erie,
Vincent J. Foley
Joe Hegenbart
Alice Lipscomb
Carlos Solorza.

Directors elected to 3-year terms ending in **2009**:

Robert Agopian,
Richard Dickinson,
Edward Gladbach,
Michael Moore,
David J. Oliphant,
Catherine Mulholland,
Thomas McCarthy.

Membership



By Vincent J. Foley

Regular membership in the Water and Power Association, Inc. is **open to all employees, former employees and retirees of the DWP and to all others who subscribe to the purposes of the Corporation**, “. . . to communicate with, inform and educate its members, public officials and the general public regarding the LADWP, its past, present and future, and its plans, needs and benefits; and to assure for the inhabitants of the City of Los Angeles, the economic and other advantages of municipal ownership and operation essential utility Services.”

Annual membership dues are \$15.

To join or renew, send your name and contact numbers to: W&PA,
320 Cambridge Dr.,
Arcadia, CA 91007,
or e-mail to vinmar@altrionet.com.

National Volunteer Week April 23-29.

The 2006 theme ,
"Inspire By Example"

truly reflects the power volunteers have to inspire the people they help, as well as to inspire others to serve!

Volunteer!

WATER AND POWER ASSOCIATES, INC.

320 Cambridge Drive -- Arcadia, CA. 91007 -- (626) 445-7376

Water and Power Associates, Inc. is a nonprofit, independent, private organization incorporated in 1971 for informing and educating its members, public officials and the general public on critical water and energy issues affecting the citizens of Los Angeles, of Southern California, and of the State of California.