# **Chapters At A Glance**

BRIEF OVERVIEW OF CALIFORNIA'S WATER SUPPLY	1
CHAPTER 2 A CAPSULE VIEW OF WATER RIGHTS LAW	35
CHAPTER 3 SURFACE WATER RIGHTS	39
CHAPTER 4 GROUNDWATER RIGHTS	75
CHAPTER 5 THE DOCTRINES OF REASONABLE USE AND PUBLIC TRUST	105
CHAPTER 6 EQUITABLE APPORTIONMENT AND THE DOCTRINE OF PHYSICAL SOLUTION	143
CHAPTER 7 STATE WATER RESOURCES CONTROL BOARD ITS ROLE IN WATER RIGHTS AND WATER QUALITY REGULATION	— 161
CHAPTER 8 INTERACTION OF FEDERAL LAW AND STATE WATER LAW	191
CHAPTER 9 URBAN WATER SUPPLIERS— REGULATION AND PLANNING	219
CHAPTER 10 LAW OF THE COLORADO RIVER	235
CHAPTER 11 REFLECTIONS	263

## **Contents**

Preface	ix	CHAPTER 3
Acknowledgments	xvi	SURFACE WATER RIGHTS
Foreword	xvii	
About the Authors	xx	Introduction
		Riparian Water Rights
CHAPTER 1		Development of Riparian Rights in California
CHAPIER		Nature and Extent of Riparian Rights
BRIEF OVERVIEW OF CALIFORNIA'S		Acquiring and Losing Riparian Rights
WATER SUPPLY	1	Priority/Interrelationship with Other Rights
Introduction	2	Appropriative Water Rights
California's Water Supply	2	Development of Appropriative Rights in California
Surface Water	2	Nature and Extent of Right
Groundwater	5	Transfer, Loss and Severance of Appropriative Rights
Climate Change	5	Priority/Interrelationship with Other Appropriators
California's Water Use	7	Limitations on Appropriative Rights
Agricultural Use	7	Prescriptive Surface Water Rights
Urban Use	7	Introduction
Environmental Use	8	Waters Subject to Prescription
California Water Projects	8	Prescriptors
Central Valley Project	8	Extent of Right
State Water Project	13	Reasonable and Beneficial Use
Conveyance in the Delta	19	Open and Notorious Use
Water Districts	19	Adverse and Hostile Use
Water Supply by Region	20	Continuous and Uninterrupted Use
San Francisco Bay Area	20	Under Claim of Right
Los Angeles and Southern California Areas	28	Prescription Occurs by Operation of Law
Colorado Desert Area	33	Limitations on the Right
Golorado Desertanca	33	Surface Water Transfers
		Transfer of Appropriative Surface Water Rights
CHAPTER 2		Transfers of Riparian Rights
A CAPSULE VIEW OF		Transfers of Conserved and Surplus Water
WATER RIGHTS LAW	35	State Water Project Transfers—The Monterey Agreement
		Wheeling Transfers
Introduction	36	Surface Water Rights Remedies
Property-Based Rights	36	Introduction
Water Rights Not Connected to Land Ownership	36	Declaratory Relief
Reasonable Use Doctrine	37	Injunction
Statutory Regulation	37	Parties Entitled to Relief
Allocating Water to Meet Future	27	Adjudication of Water Rights
Water Supply Challenges	37	Area of Origin Protections
		County of Origin Act
		Watershed Protection Act

Delta Protection Act	72	After Audubon	130
"Protected Areas" Statutes	73	Consumptive and Instream Uses in the Litigation Context: A Case Study of Environmental Defense Fund v. East Bay Municipal Utility District	132
CHAPTER 4		Fish and Game Code Sections 5937 and 5946	136
CDOUNDWATER RIGHTS		Mono Lake	136
GROUNDWATER RIGHTS	75	Recent Litigation Involving Fish and Game Code	
Introduction	76	Section 5937	138
What Is "Groundwater"?	76	Section 5937 as an Expression of the	
Springs	78	Public Trust Doctrine	140
<b>Groundwater Rights</b>	78	Implication Under the Fifth Amendment of the United States Constitution	140
Overlying Rights	78	United States Constitution	140
Appropriative Rights to Groundwater	80		
Municipal Rights to Groundwater	81	CHAPTER 6	
Prescriptive Rights	82	EQUITABLE ADDODTIONMENT	
Evolution of Groundwater Rights Law in Adjudications	84	EQUITABLE APPORTIONMENT AND THE DOCTRINE OF	
<b>Groundwater Storage</b>	87	PHYSICAL SOLUTION	143
Right to Use Storage Capacity Is Not Proportionate		PHISICAL SOLUTION	143
to Pumping Rights	88	Introduction	144
Groundwater Management	88	<b>Equitable Apportionment</b>	144
The Sustainable Groundwater Management Act (SGMA)	88	Physical Solution Doctrine	145
Groundwater Management Plans	96	Substantial "Enjoyment" of Prior Rights	146
Local Regulation of Groundwater	96	Duty to Consider Physical Solution	146
Groundwater Transfers	98	Physical Solutions Do Not Require Consent of Parties	
Transfers of Overlying Rights	98	or Overdraft	146
Conjunctive Use of Surface and Groundwater	98	California Physical Solution Cases	147
Wheeling Transfers	101	Peabody v. City of Vallejo	147
Groundwater Rights Remedies	101	Tulare Irrigation District v. Lindsay-Strathmore Irrigation District	148
Civil Action	101	City of Lodi v. East Bay Municipal Utility District	148
Reference Procedure	102	Hillside Water Company v. City of Los Angeles	150
Stipulated Decrees	102	Rancho Santa Margarita v. Vail	151
Groundwater Pollution	102	Meridian, Ltd. v. City and County of San Francisco	152
		Allen v. California Water and Telephone Company	152
CHAPTER 5		City of Barstow v. Mojave Water Agency	153
		California American Water v. City of Seaside	154
THE DOCTRINES OF REASONABLE USE		City of Santa Maria v. Adam	155
AND PUBLIC TRUST	105	Trial Court Physical Solutions	157
Introduction	106	Orange County Water District v. City of Chino	157
Reallocating Water	106	Chino Basin Municipal Water District v. City of Chino	159
Law of Reasonable Use	106	Western Municipal Water District of Riverside County v.	137
Origin of the Reasonable Use Doctrine	107	East San Bernardino County Water District	160
1928 Constitutional Amendment	108		
The Erosion of Absolute Priority	108		
The Further Development of Article X, Section 2	112	CHAPTER 7	
Reasonable Water Use in the Imperial Irrigation District	116	STATE WATER RESOURCES CONTROL B	OARD-
Public Trust Doctrine	120	ITS ROLE IN WATER RIGHTS AND	
Public Trust Doctrine in the United States	121	WATER QUALITY REGULATION	161
Public Trust Doctrine in California	123	Introduction	162
National Audubon Society v. Superior Court	127	Authority Over Water Rights	163
		Tambority Over tracer regimes	. 05

Appropriation of Surface Water	163	Federal Reserved Rights	202
Evolution of the State Board's Authority	165	Winters Doctrine	202
Authority over Water Quality	169	Winters Extended to Non-Indian Federal Reservations	203
State and Federal Water Quality Legislation	169	Adjudication of American Indian Water Rights	203
Reach of State and Federal Legislation	170	Pupfish Case	203
Water Quality Planning	170	Reserved Rights Curtailed	204
Regulation of Waste Discharge	174	Reserved Rights for Non-Consumptive Use	204
Non-Point Sources	176	Federal Riparian Water Rights	205
Enforcement	177	Do Winters Rights Extend to Groundwater?	206
Review of Regional Board Action	178	<b>Endangered Species Act</b>	206
State Board Authority Over Groundwater	178	Bay-Delta	207
Bay-Delta Hearing Process	178	Cooperation with State and Local Authorities	208
D-1275	180	Water Quality Regulation	208
D-1379	180	State Regulation of Water Quality After	
D-1485	180	the Clean Water Act	208
Racanelli Decision	181	State Authority Over Water Quantity and the	
Confirmation of State Board's Authority	182	Wallop Amendment	211
Water Right Priorities Modified	182	Federal Regulation of Water Projects	216
Seemingly Never-Ending Bay-Delta Hearings,			
Between 1987 and 2000	183	CHAPTER 9	
Appeal of D-1641 and the Robie Decision	187	URBAN WATER SUPPLIERS—	
Involvement of Other State and Federal Agencies	189	REGULATION AND PLANNING	219
Ongoing Bay-Delta Efforts	189		
		Introduction	220
CHAPTER 8		Legal Authority for Local Regulation of Water Use Water Conservation Programs	220
INTERACTION OF FEDERAL LAW AND		Conservation Through Water Pricing	220
STATE WATER LAW	191	Water Shortage Emergencies	222
		No-Growth Policies	224
Introduction	192	Application of CEQA	224
Mining Act of 1866	192	Claim of Inverse Condemnation	226
Desert Land Act of 1877	194	Water Meter Requirements	227
Reclamation Act of 1902	194	-	227
Reversal Toward Federal Control	196	Exacting Water Rights as a Condition of Service	
The 160-Acre Limitation	196	Recycled Water	228
Area of Origin Protection	196	Planning for Future Water Needs	229
State Prior Appropriation Principles	197	Urban Water Management Planning Act	229
California v. United States	197	Duty to Augment Supply	230
State Law Prevails Unless Inconsistent with		Water Supply for New Developments	231
Clear Congressional Directives	198	Water Supply Assessments and Verifications	231
Section 8 in the 1980s	199	Vineyard Decision	233
Acquisition of Water Rights by Federal Agencies	199		
Racanelli Decision	199	CHAPTER 10	
Federal Energy Regulatory Commission and		2 · — · · · ·	
NIGHE RIGHTS	200	LAW OF THE COLORADO BUIER	
States' Rights  First Iowa—Federal Preemption	200	LAW OF THE COLORADO RIVER	235
First Iowa—Federal Preemption  Rock Creek Challenge for State Minimum Flow Control	200 201 201	LAW OF THE COLORADO RIVER Introduction	235 236

Colorado River Compact	238	APPENDICES	269
Fear of Equitable Apportionment	238	Appendix A: Total Amounts of Annual Table A	
Terms of the Compact	239	Water and Water Conveyed, by Type, 1962–2015	270
Basic Allocations	240		
Tributary Flows	240	Appendix B: CASGEM Groundwater Basin Prioritization	272
Present Perfected Rights	241	Dasiii Fi ioi itizatioii	272
Ratification of the Colorado River Compact	241		
Federal Legislation Leading to the Boulder Canyon Project Act	241	TABLE OF AUTHORITIES	287
Boulder Canyon Project Act	242	INDEX	297
California Limitation Act	243		
Seven Party Agreement	243	ACRONIVAC	
Continued Disputes with Arizona	245	ACRONYMS	314
Neither the Law of Prior Appropriation Nor Equitable Apportionment Controlled	247	LIST OF FIGURES	
Tributary Waters Excluded	247	Figure 1-1. Major Water Infrastructure in California	3
Congressional Apportionment Scheme	248	Figure 1-2. Annual California Runoff in inches	4
Secretary of the Interior's Power to Contract	248	Figure 1-3. Rain as a Percentage of Total Precipitation	
American Indian Water Rights and		in California	6
Present Perfected Rights	250	Figure 1-4. Wild and Scenic Rivers in California	9
Mexico's Water Rights	251	Figure 1-5. Major State Water Project and	
Water Rights of the Imperial Irrigation District	252	Central Valley Project Facilities	14
The Colorado River Today	253	Figure 1-6. State Water Project and Central Valley	
The Central Arizona Project	253	Project Facilities in the Delta	15
California's 4.4 Plan	253	<b>Figure 1-7.</b> San Francisco's Hetch Hetchy Water Supply System	22
Quantification Settlement Agreement Package	254	Figure 1-8. EBMUD's Mokelumne River	
Over-Allocation of the Colorado River	258	Aqueduct System	24
Prolonged Drought, Operational Guidelines, and the Bureau's Water Supply and Demand Study	258	Figure 1-9. SCVWD's Water Supply System	26
Pilot Programs for Conservation	260	Figure 1-10. Santa Clara County's History of	
Endangered Species	260	Groundwater Use	27
Salinity	261	Figure 1-11. Main Sources of Los Angeles' Water Supply	29
,		Figure 1-12. MWD's Water Supply System	31
CHAPTER 11		<b>Figure 1-13.</b> Imperial Irrigation District's Water Supply System	34
REFLECTIONS	262	Figure 4-1. SGMA Timeline	94
	263	Figure 7-1. Delta Waterways	179
Introduction	264	Figure 10-1. Upper and Lower Colorado River Basins	237
Author's Reflections	264		
Can the State Continue to Meet Water Demands?	264	LIST OF TABLES	
The Need for Leadership	264	Table 1-1. State Water Contracting Agencies and	
The Need to Look Ahead	265	Their Maximum Allocations (in acre-feet)	17
The Need to Consider In-Stream Values; The Need to Build	265	<b>Table 3-1.</b> Main Types of Statutory Surface Water Transfers	62
How Well Are We Now Doing?	266	Table 4-1. Basins Exempt from SGMA	
Endangered Species Act	266	(Water Code § 10720.8)	92
No Growth	267	Table 10-1. Seven Party Agreement Priorities	246

### **Preface**

### THIRD EDITION, 2019

My first encounter with water law was in a law school class. I found it fascinating in part because everything was shades of gray. There was no simple or final right answer as to how water should be allocated because people need water, farms need water, industries need water and the environment needs water. How that water is allocated is a matter of societal needs and priorities which, like the resource itself, are always changing.

After law school, I was very fortunate to join the law firm of Best Best & Krieger (BBK), which had been involved in water law for more than a half-century before I arrived. However, as a junior associate, every time I was sent to research a water law issue, I felt like I was reinventing the wheel. Nothing had been written on California water in over 20 years, and what had been written before that was pretty user-unfriendly. During those two decades, there had been a number of major judicial water decisions, as well as the passage of the Clean Water Act and the Endangered Species Act. Since I was researching and writing about many different water issues, I wanted to compile what I was finding in one place. So, I decided it made sense to do a new book on California water and managed to convince a skeptical Art Littleworth to work on it with me. With so much information available online today, it is gratifying that nearly 25 years after the first edition was published, the first two editions are sold out and there is interest in a third edition.

The inherent hazard in writing the preface to a water book is that, if someone bothers to read it years from now, it will, inevitably, be hopelessly dated. That is because water law and policy is constantly evolving in ways that few can anticipate. Despite this knowledge, I will go ahead and offer a few thoughts on where things stand in the water world in 2019.

The wonderful thing about working in water, whether it be in California, the east coast, the Middle East, Africa or Asia, is that one is working at the most basic human level. It doesn't matter what nationality, race or religion a person is, everyone needs water to survive, and the issues and problems that accompany meeting this fundamental human need are remarkably consistent the

world over. I have been fortunate to work in all of those regions, and what I am saying in a nice way is that it is not just California water law and policy that seems complex and at times dysfunctional; that is the case almost everywhere.

For the California water professionals reading this, I believe that California is the best place to practice water law or work in water. First, that is because we absolutely have the engineering, policy and legal capacity to solve California's water law and policy challenges. That is simply not true in many places around the world. Second, and this is purely from a lawyer's perspective, California's water law is extremely complex—the California Supreme Court has called it the most complex subject it deals with except for tax—and it provides a never-ending challenge. Third, almost any water issue that comes up anywhere outside California, or some variation of it, has already been addressed in some fashion in California. Sometimes that just means saying "don't do what we did in California," but, more often than not, it means those of us who work in water in California can offer some useful information or guidance.

The reason that California has already faced so many water law and policy issues is that there are few, if any, places in the world with a Mediterranean climate that have the population and agricultural and industrial water demands that California has had. California's population has grown more than 10 fold in the past 100 years, and it has doubled in just the past half-century. Moreover, more than half of the nearly 40 million people living in California live in the drier southern part of the state, and that poses a substantial water challenge.

California water law and policy has gone through a lengthy evolution over what can roughly be described as four eras. In the first era, which lasted from 1850-1928, the Gold Rush and a great increase in irrigated agriculture prompted heavy water demand, both for those uses and the increasing population. During this time, surface supplies became fully used, and the basic rules of surface water rights were established. Later in this period, technology made it possible to pump groundwater, and groundwater rights were developed. Establishing rules was crucial as this really was the Wild West, and there was a good deal of truth in the phrase "better upstream with a shovel than downstream with a water right." John North, who shared a desk with BBK founding partner

Raymond Best when Mr. Best established his law practice, once defended a client in front of the Supreme Court who had killed his neighbor over a surface water rights dispute.

The second era was characterized by the development of major water projects (Los Angeles' first water project was completed in 1913 so these eras are only rough approximations). Water projects were needed because local surface and groundwater supplies were being fully used and yet demand continued to grow. From the early 1930s until the early 1970s, the Colorado River Aqueduct, Central Valley Project and State Water Project were built. It was a time when water supplies seemed limitless, and technology, it seemed, would allow water to be brought from almost anywhere to meet California's water needs. BBK partner James Krieger was a major participant in developing the State Water Project and helped form several of its member agencies. The end of this era of construction and development as the primary way to meet California's water supply needs, in the early 1970s, coincided almost precisely with Krieger's untimely death in an airplane accident in 1975.

The third era involved recognizing the importance of environmental values and integrating those into water law and policy. This began in earnest with the Clean Water Act and Endangered Species Act in the early 1970s and continued through the California Supreme Court's public trust decision in the National Audubon case in 1983, certainly one of the most important California water law decisions.

The fourth era, which we are still in, has encompassed the challenge of allocating water between environmental and consumptive uses, the recognition that California's water demand is closely matched with its supply, and the reality that climate change will have a huge impact on California's water that has yet to be addressed. This may well turn out to be the most difficult era yet unless technological innovation can significantly increase the efficiency of existing uses.

So in summary, the evolution of California water could be described as: 1) Use the cheapest water first (surface and then groundwater); 2) Go get more water because we can bring it from anywhere; 3) Wow, the environment is really important—we should do something to take care of it; and 4) Uh oh, the supplies are stretched pretty thin and may be getting a lot thinner. Of course,

this is a tongue-in-cheek version, but, when dealing with California water, you have to have a sense of humor.

Meeting the challenges of this era will require creativity. We can't simply build our way out of it, but neither can we just conserve our way out of it. Instead, the solution is to develop a new synthesis of both supply and law that will allow California to meet its present and future water demands.

It is important to address the demand side and do everything possible to stretch existing supplies further. This includes using new irrigation technologies (and figuring out creative ways to help agriculture cope with the cost of implementing them) and less irrigation in outdoor urban areas. Conservation does need to be a way of life in California but, as will be discussed below, using less water cannot cause our water suppliers to be unable to meet their capital, operational and maintenance-related expenses.

On the supply side, particularly because of the changing climate, we have to do everything we can to diversify our water supply portfolio. This includes more recycled water and more storm water capture. However, at least in the short-term, new sources and conservation cannot replace the water currently moved great distances to the Bay Area and Southern California. While, as I noted above, we can't build our way out of the challenges we face, the transition to more local sources will take decades, and this means that water has to be moved through the Bay-Delta in the most efficient and environmentally-sensitive manner reasonably possible. That means construction of a Delta conveyance facility.

Increasing fluctuations in water supply due to climate change also mean that storage is extremely critical. Underground storage and off-stream storage are preferable for both economic and environmental reasons and hopefully can provide the storage we need.

A fundamental issue with limiting demand and diversifying supply is economics. Most water suppliers rely on sales to fund their operations and maintenance, meaning that conservation actually decreases their revenue. This is a major problem and must be addressed if efficient use is to be consistently maximized and if projects to use recycled water and capture storm water are to be completed.

Over the next two decades, groundwater use in California will change significantly. The implementation of the Sustainable Groundwater Management Act means that the time-honored practice of overdrafting basins and "pumping until a judge tells you not to" will be replaced with limiting pumping to the sustainable yield of the basin. While SGMA may produce a number of groundwater adjudications, one way or another there will be sustainable groundwater management throughout California by the 2040s.

I am optimistic that California will meet these challenges. We won't get to where we need to be as quickly or as easily as we would like, but that is the nature of water. Water is often compared to gold or referred to as the "new oil," but unlike gold or oil, we can't live without it. Quick and easy solutions to water allocation issues can't possibly consider all potential uses and reach the proper balance between them. Rather, meaningful progress and equitable solutions take time. However, I believe we will meet our challenges in large part because of the reasonable use doctrine that governs all California water law. The reasonable use doctrine has allowed California to gradually adapt its water uses to changing demands and societal priorities. It will continue to allow California to use its incredible technological, intellectual and financial resources to meet its water demands.

Whether you work in water or simply enjoy watching the water world, I hope you find the information in this book useful as California continues on its water journey.

-Eric L. Garner

#### **SECOND EDITION, 2007**

The first edition of *California Water* was published more than ten years ago. At that time, I had some doubts about whether a book of this kind would be well received. I knew there was a real need for a practical book that dealt not only with basic water law, but also more generally with water issues, water development, and the relationship of water to the environment. Multi-volume treatises were then available as they are now, but there was nothing that was easily readable for the interested person. The visible need was not only for the lawyer, but for the engineer, the planner, the elected official, or the community leader who was interested in water, for those who were looking for a concise, yet still comprehensive, story of California water. Nonetheless, a book of this kind is hardly bedtime

reading, and I was pleasantly surprised when the first printing sold out. And, later, even more heartened when people began to ask about when we were going to put out another edition.

More than a decade later is a good time for the new book. The historic Bay-Delta Accord of 1994 has now achieved legal recognition in State Board Decision 1641 which was essentially affirmed in Justice Robie's landmark opinion. However, the promise of implementation through the consensus approach of CALFED appears to be fading. The critical issues on the Colorado River, occasioned by disappearing surpluses and California's use of more than its basic 4.4 million acrefeet entitlement, occupied almost a decade of sometimes bitter politics, negotiations, and litigation. But a settlement of those issues is now in place among the major California water users, the Bureau of Reclamation, and other Colorado basin states. Water transfers, conservation, recycling, and conjunctive use of groundwater have begun to emerge as major sources of supply. The ESA and CEQA have come to overshadow traditional water rights in the allocation of the state's water resources. Global warming is much in the news, but the impact on our water supplies is still uncertain. A recent 2007 report by the Public Policy Institute of California asserts that our decades-old policy of trying to maintain the entire Delta as a fresh water source is no longer viable, suggesting a return to more natural saline conditions, and resurrecting the peripheral canal. In 2000, the Supreme Court issued its most important decision on groundwater law since the 1975 opinion in Los Angeles v. San Fernando. The historic settlement in the Friant case restored flows in a reach of the San Joaquin River. And the legislature and the Supreme Court have now begun to tie the approval of future urban development to more secure water supplies. So while much of the history of California's water development and the basic principles of water law that were included in the original edition of California Water are still present in this book, much material has been added to recount more than ten years of significant change.

As noted in our first edition, we come to water issues from the perspective of a law firm that primarily represents public agencies which bear the heavy responsibility of providing reliable water supplies to a growing population and some of the most productive agriculture in the world.

<sup>\*</sup> City of Barstow v. Mojave Water Agency (2000) 23 Cal. 4th 1224.

Still, we have tried to keep the book impartial, and to fairly represent the increasing importance of the environmental uses of water. The in-stream use of water and the consumptive uses of water frequently clash, and we have devoted significant portions of the book to this issue. At one point, it appeared that conflict might be on the wane as the Environmental Water Account and CALFED paid huge amounts of money into ecosystem restoration. However, recent dramatic declines of pelagic fisheries in the Delta, and diminishing support for the CALFED consensus approach, have led to renewed attacks on SWP and CVP Delta exports. Conflict, without a solution, is the condition as this book goes to press.

On a personal note, I continue to believe that state efforts to create more storage are sadly lagging. The capture and storage of high flows, not needed for environmental uses, are vital to long-term reliable water supplies. Additional surface storage facilities become even more important as climate changes may substitute increased rainfall and fast runoff for the natural storage of water now achieved from mountain snow packs. Moreover, the increased use of groundwater basins to store water still requires the temporary use of surface storage facilities. Getting water underground is a slow process. High flows first have to be held somewhere before they can be percolated into groundwater basins. And storage facilities take years, if not decades, to get finally built. Storage facilities constructed now can help to head off the potentially disastrous impacts of a long drought, but storage facilities that are only studied and talked about now, though perhaps to be built later, cannot provide quick relief from drought. Previous generations planned for growth and to protect the state against drought. That surplus capacity has now been essentially used up. Without the same kind of foresight, drought will simply pit cities, farmers, and the environment against each other for the use of the scarce resource. We should have learned from the electrical crisis how devastating a shortage in a basic utility service can be. Yet a shortage of electricity is far easier to remedy than a shortage of water. Electricity can be manufactured and purchased from outside the state. Water has only one advantage over electricity. It can be stored. This advantage should not be squandered.

—Arthur L. Littleworth