



MUELLER CO. introduces the
ORISEAL[®] VALVE

Now! a new valve . . . the ideal curb valve

- SURPRISINGLY EASY TO OPERATE—EVEN AFTER PROLONGED IDLENESS!
- POSITIVE LIFE-TIME PRESSURE SEALING!
- EXTREMELY LONG CYCLE LIFE!
- PERMANENTLY "LUBRICATED" WITHOUT GREASE!

the key to its performance is in the design . . .

MUELLER CO., DECATUR, ILL.

MAY 1961

MUELLER RECORD

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SINCE 1857
Quality Products for the
Waterworks and Natural Gas
Industries



The name MUELLER is a registered
trademark of Mueller Co.

THE COVER of this issue is a reproduction of part of a Mueller Co. award-winning sales promotional piece which was cited recently by an international advertising organization.

Affiliated Advertising Agencies Network, the largest advertising agency network in the world, presented a plaque to Mueller Co. and its advertising agency, Ross, Flink & Associates of Peoria, Ill., for its preparation and development of an ORISEAL ad. More than 1,100 entries were submitted in competition in six categories.

The award, in the ad insert division, was for a four-page, four-color insert which was published last year in many trade magazines throughout the country as part of the introduction of Mueller Co.'s new ideal curb valve—ORISEAL.

After more than 10 years of research and testing the ORISEAL valve was introduced formally at the AWWA convention in Bal Harbour, Fla., last May.

The award-winning piece was a portion of a sales promotion program initiated for ORISEAL by Vice-President and General Sales Manager Dan R. Gannon and Sales Promotion Manager Hugh L. Baker.

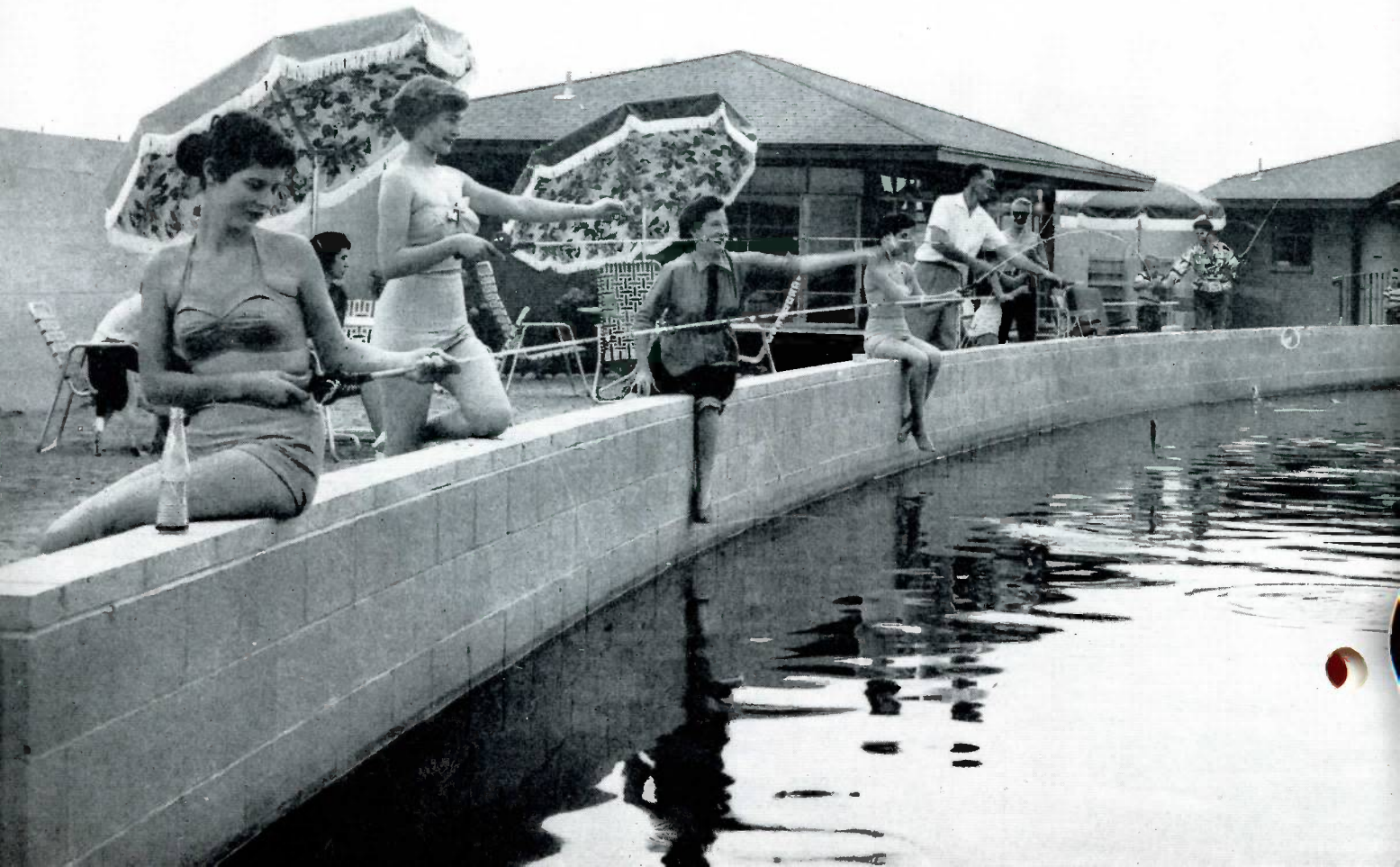
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- 19 STRICTLY OFF THE RECORD** *is to be taken lightly.*
- 20 A REQUEST FOR HELP.**

Apple Valley, Calif.

Desert Playground Floats Upon Lake

Apple Valley seems to have everything—including a few apple orchards. It even has its own stocked trout stream where visitors catch beautiful rainbow trout in the middle of the Mojave Desert.



("Land of contentment and center of activity:" these are two phrases used to describe the Mojave Desert community of Apple Valley, Calif. This desert area plays the roles of health resort, vacation paradise and home for thousands of persons each year. It offers 9,000 acres of land for home-sites, fishing, community services, beautiful clubs and resorts, golfing and even water skiing in the middle of the desert. It is a desert retreat and playground but still a growing community of 10,000 persons only 90 minutes away from Hollywood.)

**By Ben Bass, Vice-President,
Apple Valley Ranchos Water Co.**

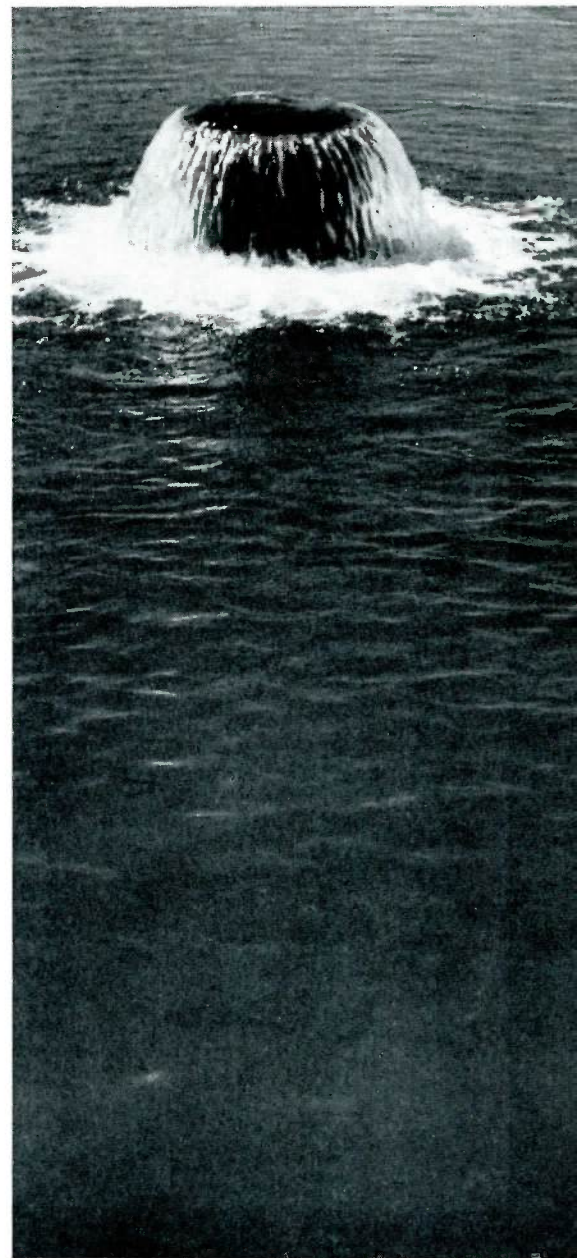
This story could not have been written 15 years ago, in 1946—for there was not only no Apple Valley Ranchos Water Co. at that time—there wasn't even an Apple Valley.

Oh yes, the valley was there all right, but the entire area was marked by just one weather-beaten building. So, to tell the story of the Water Company, it is necessary to tell the story of Apple Valley, its growth and development in just a few short years, into one of the West's foremost all-year desert resorts.

After the war, two far-sighted Long Beach, Calif. oilmen—Newton T. Bass and B. J. Westlund, surveyed the vast, vacant desert in the foothills of the San Bernardino Mountains, and, in keeping with the rules and regulations of all romantic novels, they fell in love with it. They saw a dream community of homes, churches, businesses—a planned community that would be called "vacation paradise" by thousands all over the world.

So they hired the finest architects, engineers and land planning experts in the nation. Their skills, combined with infinite energy and millions of dollars, began to bear fruit.

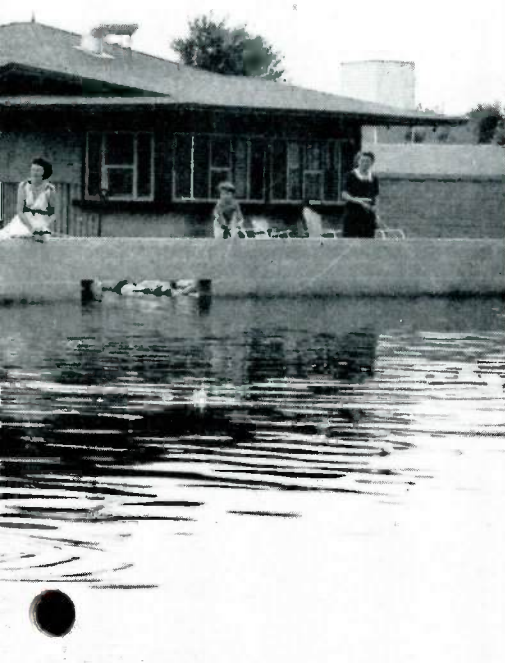
Their biggest asset, in a desert area, was water—and water in abundance can be found in Apple Valley. Not on the surface, mind you, because to the naked eye Apple Valley was pure desert before 1946. But under the surface—a huge reservoir upon which the valley literally "floats"—one of the West's richest water sources, according to government engineers. Tremendous underground lakes flood beneath the massive valley like a huge system of connecting water storage basins. These subterranean lakes, which are fed by streams and creeks coming down from Lakes Arrowhead and Gregory provide Apple Valley with a water supply infinite in both quantity and purity. It was to develop this water supply that the Apple Valley Ranchos Water Company, a public utility, was formed.



Apple Valley literally floats on a huge underground lake where an abundance of water supplies the needs of all. The above bubbling irrigation standpipe is one of many on alfalfa ranches in the immediate area.

The water company was formed, and is owned and operated by the developers, Bass and Westlund. For supply, seven wells, ranging in depth from 150 feet to 500 feet were dug. From these wells it is possible to draw 5470 gallons per minute . . . a maximum that has never been remotely approached.

Behind the Apple Valley Inn stands a huge 1,500,000 gallon



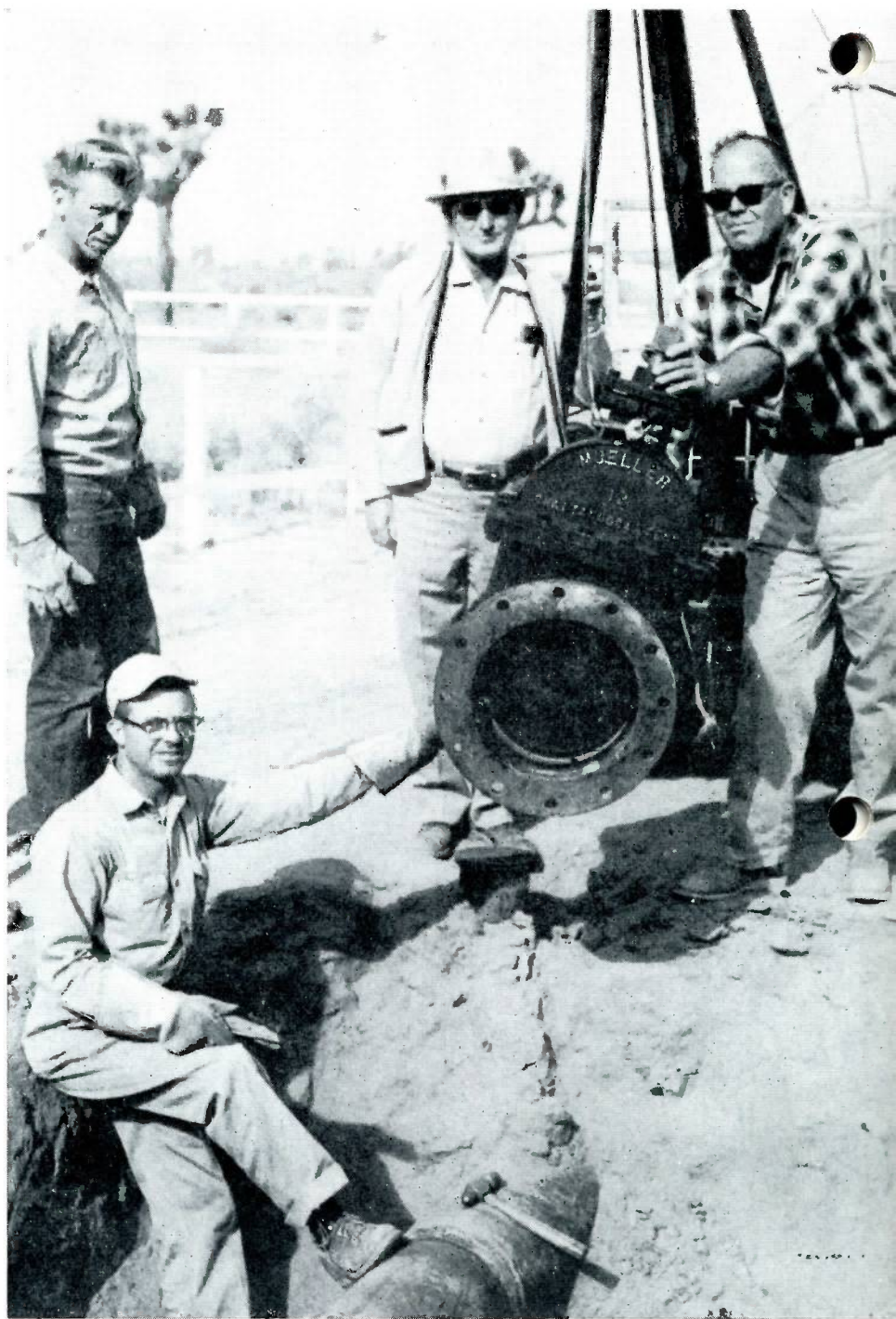
steel storage tank, and from this tank radiate 189.4 miles of water mains, ranging from 4" to 14" in diameter. Every one of the more than 1,200 residences now being supplied is metered, and there are almost 700 fire hydrants dotting the miles and miles of paved streets in this high-desert paradise.

For control purposes, over 3,000 valves have been installed, to guard against any troubles. In case of a break in a line it is necessary to shut down only a small area at a time, due to the numerous valves.

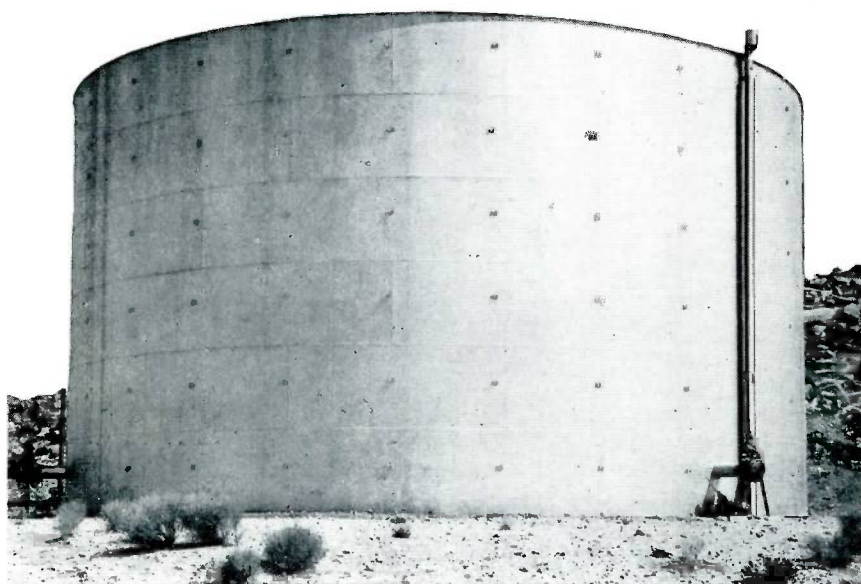
Water may be a major reason for the increasing popularity of Apple Valley, but there is yet another factor that recommends this area to Southern Californians—the complete absence of smog. As a matter of fact, that's a pretty good "daily double"—pure air and pure water—no wonder the growth of Apple Valley has been so rapid and so great.

One of the "bright green" spots in Apple Valley is the Apple Valley Country Club, with 18 holes laid out over 7,000 yards—all in grass, and green all year long. Lloyd Mangrum, famous P.G.A. golf professional, plays out of the Apple Valley Country Club. His home is just off the 18th tee. Billy Casper, Jr., former U. S. Open champion, also plays out of Apple Valley. Two other Apple Valley rancho owners have carved a name for themselves in tournament golf: Dr. Cary Middlecoff and Dick Mayer.

I wish I could say that this is the story of the Apple Valley Ranchos Water Co.—but there's lots more to be written. Not today—but tomorrow, and the tomorrows that will follow, for the water supply in Apple Valley is abundant to the point that as yet we have no indication that it will ever be inadequate for the needs of the residents . . . no matter in what numbers they might come!



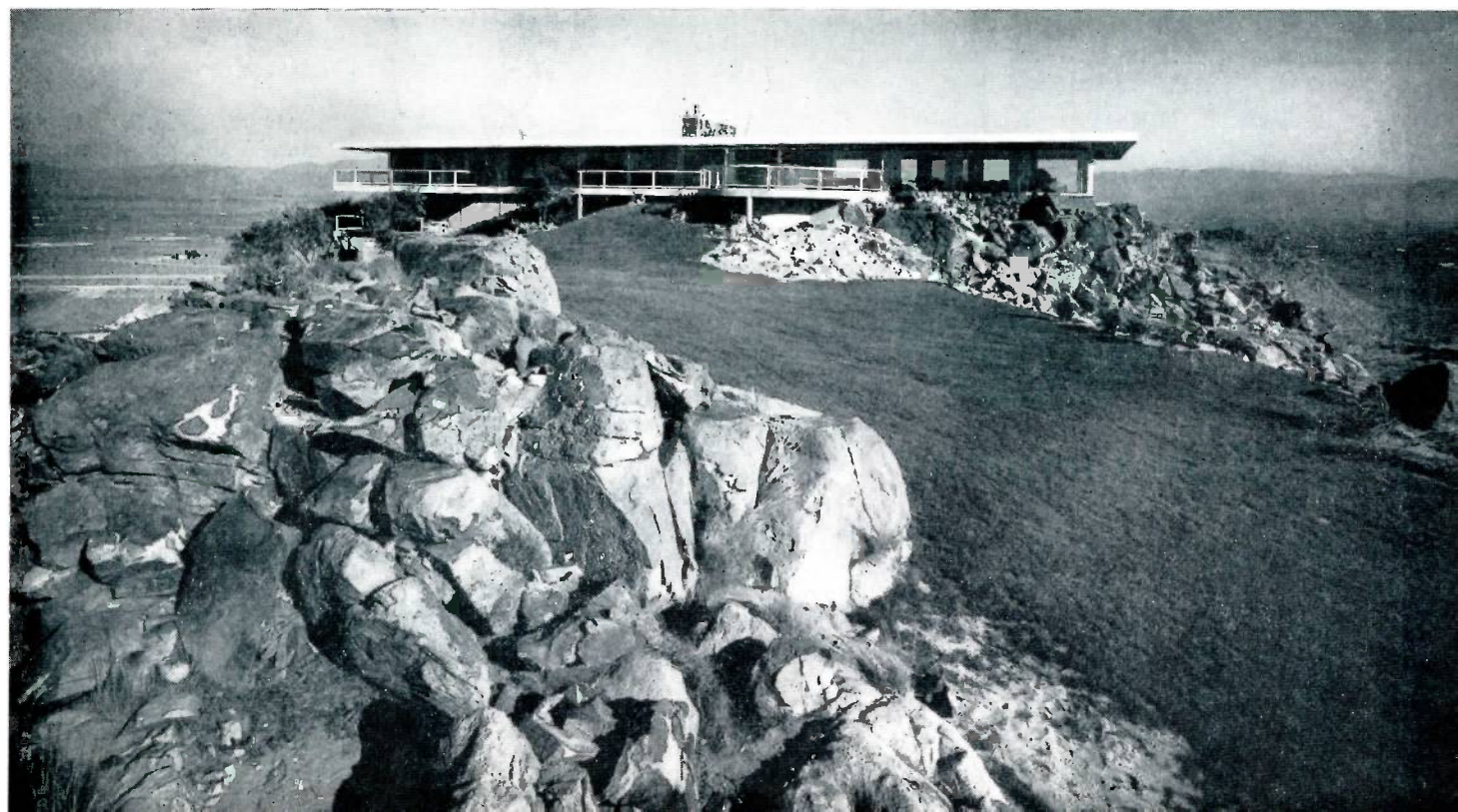
Approximately 500 Mueller valves have been installed in the Apple Valley water system. In the above photo a 12-inch Mueller gate valve is being installed by workmen. Ben A. Bass, Vice-President of the Apple Valley Ranchos Water Co. is shown second from the right.



The Apple Valley Inn and grounds are shown in the above photo with the water company reservoir in the background. A closeup of the 1,500,000-gallon reservoir is shown at the left.

This magnificent quarter-million dollar showplace home of Newton T. Bass, co-developer of Apple Valley, is hewn out of living rock. Located on a mountain top overlooking the Valley, the home has an almond shaped indoor-outdoor

swimming pool that laps into a rocky ledge in the living room. The grassy area in the foreground is Mr. Bass' heliport.





Mr. Frank A. Speer

Frank A. Speer
To Direct
Manufacturing

Mr. Frank A. Speer, 43, formerly manager of the New Castle, Pa., plant of Chicago's Crane Co., has been named Vice-President and Works Manager of Mueller Co.

The appointment, which was effective April 17, places Mr. Speer in charge of manufacturing operations at all Mueller Co. domestic facilities.

Mr. Speer, a native of the Pittsburgh area, attended the University of Pittsburgh, and has wide and varied experience in manufacturing and foundry operations.

His first foundry and machine shop experience began in 1936, when he became a foundry laborer in the East Pittsburgh works of Westinghouse Electric Manufacturing Co.

From that year until 1951, he progressed through various supervisory positions, including direction of budgeting and cost control divisions. During this period, he also served in the U. S. Navy.

In 1951 he was named production manager for the Bucyrus Erie Corp., Erie, Pa., and became general superintendent in 1954. Six years later, Mr. Speer became the chief management officer of the New Castle plant of the National-U. S. Radiator Corporation. That plant was the largest single operation in a group of plants acquired last year by Crane Co.

MUELLER CO.

NAMES NEW

VICE-PRESIDENT,

WORKS MANAGER



Los Angeles' Samuel B. Nelson

Samuel B. Nelson Heads Los Angeles Utilities

Samuel B. Nelson has been named the General Manager and Chief Engineer of the Los Angeles Department of Water and Power.

Mr. Nelson started with the L.A. Department of Water and Power in 1926 as a draftsman and prior to his new appointment he was chief engineer of water works and assistant manager for the past five years.

He is a native of Kansas City, Mo. and has lived in Los Angeles since 1916. He graduated from Pomona College in 1924 and after two years of graduate work at Cornell University he received his engineering degree.

Mr. Nelson is a registered civil engineer and has taught hydraulic engineering practice at the University of Southern California. He is a member of the executive board of the California Section of the American Water Works Association; past vice-president, secretary and now president-elect of the Los Angeles Section of the American Society of Civil Engineers.

In addition to heading the nation's largest municipal utility. Mr. Nelson has served as a representative at the United Nations Scientific Conference on the Conservation of Resources, belongs to

various civic organizations and represented the water works industry at a Federal Civil Defense demonstration in Yucca Flats, Nev., in 1955.

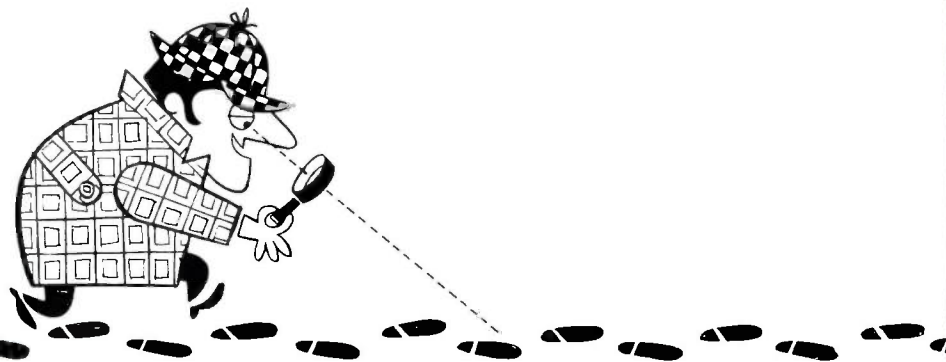
Max K. Socha, Assistant Chief Engineer of Water Works since 1955 succeeds Mr. Nelson as Chief Engineer of Water Works and Assistant Manager.

A veteran of 36 years with the Department, Mr. Socha is active in many engineering and utility organizations, including the American Water Works Association, of which he is the newly elected chairman of the California Section.

ALL PATHS

... THE MUELLER
CO. DISPLAY
in Booths 416,
418, 420 & 422.

COME SEE US!



LEAD TO.....



... THE A.W.W.A.
CONFERENCE
IN DETROIT
JUNE 4.



(Follow the footprints to read about
the upcoming Conference.)



William D. Hurst, Vice-President



John W. Cramer, President



William J. Orchard, Treasurer







Waves of Waterworks Men Head for Detroit Meeting

Cobo Hall, a feature in itself, is located only a few blocks from the heart of downtown Detroit and because of its spaciousness and location, makes an ideal site for the conference.



A record attendance of 3,500 persons is expected to be on hand when the 81st annual AWWA conference opens in Detroit June 4.

The 15-session technical program, covering the basic problems of the industry in the fields of resources, treatment, distribution and management, will get off to a fast start with the appearance of Senator Robert S. Kerr of Oklahoma.

Senator Kerr, Chairman of the Select Committee on National Water Resources, will discuss the report that his committee has just presented to the nation. One hundred other experts on the various aspects of public water supply will address the convention during the week.

Another highlight of the session will be the talk about the water supply on the moon by Harry Lowe of the missile and space program at Fort Belvoir.

Also on the program will be: Commissioner Floyd E. Dominy of the Bureau of Reclamation who will discuss the "Colorado River Study;" Professor Rolf Eliassen of Massachusetts Institute of Technology who will present a task group report on saline water conversion; A symposium on "What Is Adequacy in Water Utility Operations?" and one on "Maintaining Water Quality in Distribution Systems."

On the social calendar, the feature event will be the Tuesday night fun session when a full scale carnival, complete with Ferris wheel, will move into Detroit's new \$54 million Cobo Hall to give everyone a chance to join in the fun.

The annual banquet and ball, too, will profit by its location, with more than enough room for all who wish to attend and help install new officers for 1961-62.

Actually, Cobo Hall's facilities are a feature in themselves.

AWWA's 200-booth exhibit, including Mueller Co's Oriseal display, won't even begin to fill the exhibit hall. AWWA's technical meetings will be held in the air-conditioned comfort of new and attractive meeting rooms and all of the entertainment will be in the hall's facilities.

Chairman of the convention management committee is Gerald Remus, General Manager of the

Department of Water Supply in Detroit. Under him all 500 members of the Michigan Section will function as hosts and working committeemen.

Responsible for the technical program is E. Shaw Cole, President of Pitometer Associates, New York. Exhibit manager is John G. Stewart, Manager of the Water and Sewage Works Manufacturers Association, New York.

MEET YOUR NEW OFFICERS

John W. Cramer, senior partner in the consulting engineering firm of Fulton & Cramer of Lincoln, Neb., will assume his duties as president of the AWWA at the national conference in Detroit.

Mr. Cramer will succeed C. F. Wertz, Director of Water and Sewers for the City of Miami, Fla.

Taking office as vice-president will be William D. Hurst, City Engineer and Chairman of Commissioners of the Greater Winnipeg Water and Sanitary Districts of Winnipeg, Man.

Beginning his fifth term as AWWA treasurer will be William J. Orchard of Maplewood, N. J., retired general manager of Wallace & Tiernan Inc., Belleville, N. J.

A registered professional engineer in Colorado, Idaho, Iowa, Kansas, Missouri, Nebraska, and South Dakota, Mr. Cramer received his degree in civil engineering from the University of Nebraska in 1940. From 1940 until 1945, when the firm of Fulton and Cramer was formed, Mr. Cramer was an engineer for Lockheed Aircraft Corporation in Burbank, Calif.

Mr. Cramer has been a member of the AWWA since 1948. During that time he served as secretary of the Nebraska Section and represented that section for a three-year term on the Association's Board of Directors.

In 1954 Mr. Cramer was awarded the Association's George Warren Fuller Award for outstanding service in the field of public water supply.

The vice-president elect was graduated from the University of Manitoba in 1930 and became a resident and office engineer of the Winnipeg Water Works Department in 1931, engineer of water works in 1934, and deputy chief engineer in 1944. He has been city engineer and commissioner of buildings in Winnipeg since 1944 and chairman of commissioners of the Greater Winnipeg Water and Sanitary Districts since 1949.

He has been a member of AWWA since 1934 and in 1946 he received the George Warren Fuller Award for outstanding service in the field of public water supply.

Mr. Hurst was chairman of the association's Minnesota Section in 1947 and of the Canadian Section in 1952. From 1952 to 1955 he represented the Canadian Section on the Association's Board of Directors.

Mr. Orchard has been a member of the AWWA since 1917 and his activities include membership in many of the group's committees. He has had four, three-year terms as a director, chairmanship of the Association's finance committee since 1951, and membership in the executive committee since 1945. Mr. Orchard was made an honorary member of the AWWA in 1937 and, in 1954, he was awarded the John M. Diven Medal, which is given each year to the member who has given the most outstanding service to the AWWA.

DETROIT TECHNICAL PROGRAM

SESSION 1 — Monday A.M.

AWWA Progress C. F. Wertz
Financing Water Utilities Milton J. Redlich
Water Resources in the U. S. Senator Robert S. Kerr of Oklahoma

SESSION 2 — Monday P.M.

What is Adequacy in Water Utility Operations?
Symposium led by Gerald E. Arnold
Managerial Qualifications Jack McCullough
Consumer Service M. D. Lubratovich
Rates Henry J. Graeser
Plant Facilities William R. Seeger
Accounting Practices Ralph L. Swingley
Engineering and Engineering Records E. Jerry Allen
Planning James W. MacLaren
Public Relations Johnie E. Williams

SESSION 3 — Monday P.M.

Experiences With Anthracite Sand Filters Walter R. Conley, Jr.
Discussion Thomas R. Camp
The Nature of Organic Color in Water .. A. P. Black and Joseph Shapiro
Instrumentation and Automation Ellwood H. Aldrich



Landmarks of American history are collected at Detroit's Greenfield Village founded by Henry Ford. A tour through this greatest collection of Americana has been scheduled as part of the social program at the conference.

SESSION 4 — Tuesday A.M.

Open Session—Committee on Professional and Administrative Practice

SESSION 5 — Tuesday A.M.

Mineral Salt Tolerances in Irrigation Water L. V. Wilcox
Removal of Algae by Microfilters A. E. Berry
Physiological and Health Aspects of Water Quality
—Committee Report Herbert O. Hartung
Water Quality Standard Elwood L. Bean

SESSION 6 — Tuesday P.M.

Open Session—Committee on Standardization

SESSION 7 — Tuesday P.M.

Water Resources and Problems of Michigan Norman Billings
Water Quality—Joint Discussion
Pathogens Beverly W. Miller
Detergents S. Kenneth Love
Preventing Contamination of Our Water Resources Paul Bolton
Food and Paper Processing Waste Disposal
Practices Richard L. Woodward

SESSION 8 — Wednesday A.M.

What AWWA Does For You John W. Cramer
Report of Committee on Aims and Objectives Fred A. Eidsness
Hydrologic Processes of Water, Snow, and Ice
at High Altitude Fred A. Camp

SESSION 9 — Wednesday P.M.

Water Quality As It Affects Management—Joint Discussion
Relationships With U. S. Public Health Service Omar C. Hopkins
Technical Surface Water Aspects in the Great
Lakes Area Arthur Rynders
Technical Ground Water Aspects in the Great
Lakes Area Lynn M. Miller
A Case History of Public Relations Leo Louis

SESSION 10 — Wednesday P.M.

Colorado River Study Floyd E. Dominy
Duplicate Water Storage J. Ray Heath
Water Supply on the Moon Harry N. Lowe, Jr.

SESSION 11 — Thursday A.M.

Open Session—Water Utility Advancement Committee

SESSION 12 — Thursday A.M.

Progress in Saline Water Conversion
 —Task Group Report Rolf Eliassen
 Operating Results in Four Filtration Plants
 in Detroit Albert M. Shannon
 Committee Reports

SESSION 13 — Thursday A.M.

Maintaining Quality in Distribution Systems
 —Joint Discussion . . Led by Frank E. Dolson, Oscar Gullans, H. C.
 Medbery, Benjamin C. Nesin and H. J. Ongerth
 Pressure Zoning and Maintenance of
 Distribution Systems E. S. Mamrelli
 Right-of-Way Acquisition Henry J. Graeser

SESSION 14 — Thursday P.M.

Diffusion of Radioactive Materials in Surface Streams . . . R. C. Godfrey
 Controlled Induced Recharge Morris Deutsch
 Water Use in the U. S. Kenneth A. MacKichan
 Operating Experiences Under New Water Laws . . . George E. Ferguson

SESSION 15 — Thursday P.M.

Peak Demands in Residential Areas Jerome B. Wolff
 Putting Peak-Demand Data to Work in Operation
 and Design Holly A. Cornell
 Demand Rates for Water Service W. L. Patterson

DETROIT SOCIAL PROGRAM

| DAY | TIME | EVENT | PLACE |
|-----------|------------|-------------------------------------|-------------------------------------|
| Sunday | 1:00 p.m. | Exhibit Open House | Cobo Hall Exhibit Area |
| Sunday | 8:00 p.m. | Meet and Greet Night | Cobo Hall Ballroom |
| Monday | 11:30 a.m. | Fashion Show and Luncheon | Rooster Tail Restaurant |
| Monday | 8:30 p.m. | Awards and Reception | Cobo Hall Ballroom |
| Tuesday | 8:00 a.m. | Golf Tournament | Hillcrest Country Club, Mt. Clemens |
| Tuesday | | Sugar and Spice Breakfast and Tour | |
| Tuesday | 7:30 p.m. | Carnival Night | Cobo Hall Convention Arena |
| Wednesday | 7:30 a.m. | Fuller Award Breakfast | |
| Wednesday | 10:30 a.m. | Outdoor Barbecue and Tour | Greenfield Village |
| Wednesday | 12 Noon | Manufacturers Luncheon | |
| Thursday | 2:00 p.m. | Ladies Boat Trip | Leave foot of Woodward Ave. |
| Thursday | 6:30 p.m. | Annual Banquet and Ball | Cobo Hall Ballroom |

Strictly Off the Record

Point of View

I know the value of a dollar; you are careful; he is a tightwad.

It is "conscience" that prevents me from being dishonest; it is "fear of detection" that prevents you.

I have the courage of my convictions; you are just pigheaded.

I have an appreciative eye for a good-looking woman; you are a bit of a gay dog; he is a terrible chaser.

Artful Ads

A Chinese restaurant advertises: "The Chow's the Mein Thing."

There's a nursery that offers "Every Blooming Thing."

Sign on a minute car-wash says: "Grime Doesn't Pay."

A pie mix claims it "Turns husbands into sweethearts and vice versa."

And a sign on an electrician's truck advises: "You phone us, we'll wire you."

"And you say that last week you passed the house where I used to live?" she asked softly.

"That's right darling."

"And you thought of me, dear?"

"Yeah, I said to myself, 'Why this is the place where what's-her-name used to live.'"

"I shall now illustrate what I have on my mind," said the professor as he erased the board.

An angry little man bounced into the postmaster's office. "For some time now," he shouted, "I've been pestered by threatening letters, and I want something done about it."

"I'm sure we can help," soothed the postmaster. "That's a federal offense. Have you any idea who is sending you these letters?"

"I certainly have," snapped the little fellow, "It's them pesky income tax people."

Customer: "Now, Mr. Grocer, are you sure those eggs are fresh?"

Grocer: "Boy, feel those eggs and see if they're cool enough to sell yet."

Employer: "Son, I'm surprised at you. Do you know what they do with boys who tell lies?"

Office Boy: "Yes, sir. When they get old enough, the firm sends them out as salesmen."

The cub salesman asked his boss if he could refund the money to an irate customer who discovered that the lot he had bought was under water.

"What kind of salesman are you?" demanded the boss. "Go out there and sell him a motor boat."

Uncle: "You boys of today want too much money. Why, do you know what I was getting when I

married your aunt?"

Nephew: "No, and I'll bet you didn't either."

Next to being shot at and missed, nothing is quite as satisfying as an income tax refund.

The little girl asked, "What makes a man always give a woman a diamond engagement ring, Daddy?"

Replied Daddy, "The woman."

The more perfect a man is the more girls try to altar him.

A famous quarterback took his fraternity pin back from the campus beauty. He found she was faithful to the end.

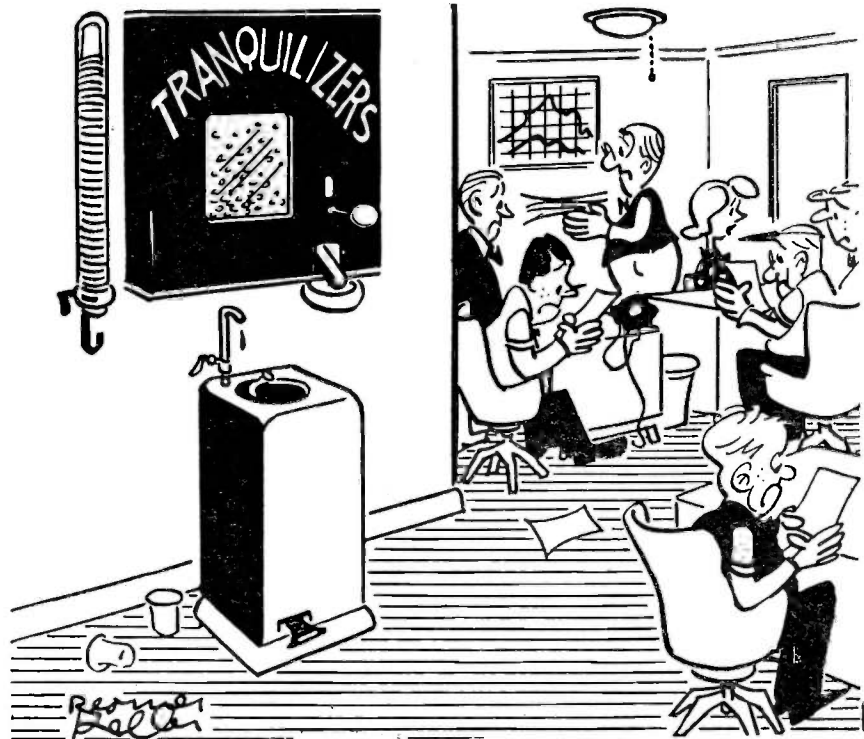
Rev. Jones: "Sheriff, there's a dead mule in front of my house."

Sheriff: "I thought you ministers took care of the dead."

Rev. Jones: "We do. But first we get in touch with their relatives."

Employee: "Boss, I came to see if you could raise my salary."

Boss: "Go back to work and don't worry. I've managed to raise it each pay day so far, haven't I?"



NOTICE TO POSTMASTER

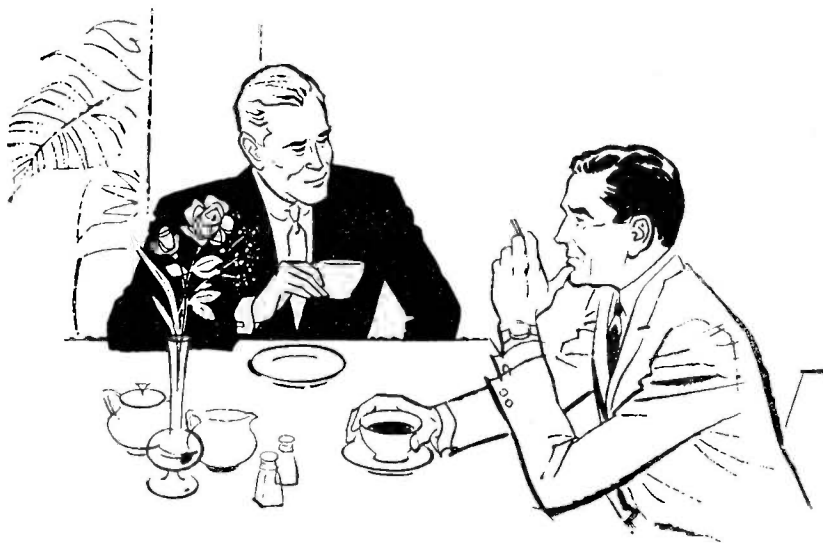
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If forwarded to a new address, notify sender on FORM 3547. Postage for notice or return guaranteed.

MUELLER CO., DECATUR, ILLINOIS

BULK RATE
U. S. POSTAGE
PAID
DECATUR, ILLINOIS
Permit No. 1

We'd Like to Have a Chat With Each One of You . . .



but we can't. So to determine what you, the reader, would like to see in the MUELLER RECORD, we will include in the June-July issue a self-addressed, stamped card, on which we will ask you to indicate your opinion of the magazine. We sincerely hope you will take a few minutes to complete the card and give us your help.