



Spring
Weekly

Reader

Volume 147, Issue 207, March 17, 2016

The Plano Rotary Club
www.PlanoRotary.com

UPCOMING MEETINGS

- Mar 17
PISD Bond Election
“Robot Demo from
STEM Academy”
- Mar 24
Mary Jo Dean
“Advances in Brain &
Concussion Treatments”
- Mar 31
Duncan Webb
“Transportation in Collin
County”

JANUARY BIRTHDAYS

- | | |
|------------------|--------|
| Marshall Johnson | Mar 10 |
| Myrtle Hightower | Mar 11 |
| Jamie Schell | Mar 18 |
| Louise Davis | Mar 31 |
| Bruce Glasscock | Mar 31 |



A DRY SUBJECT

SOS! Sainted Editor's ducking out for four weeks, and Sainted Photographer's leaving for three weeks. **Hubert** will substitute for all but one week, so we'll need a third string editor. **Randy's** recuperating and may not be available for all meeting snapshots. We need a 3rd string there as well. Any takers?

David 2nd String President **McWhorter** called the meeting to order at 12:19, summoning **Ean SECRET SANTA Sullivan** for the Invocation and **Charles Milby** for the Pledge. **Lynette Pieper** reprised her role as Greeter/Check-In Lady in **Karen's** absence. **Nathan Barbera** was off on “a skiing junket,” so we were treated to **SERGEANT BURKE**, who hadn't served in this function before.



Earnest prompted Chris Parr to introduce wife, **Patricia**, which he did with the announcement that Saturday would be their “averaged 75th birthday,” and he had the check to prove it. Someone unkind inquired, “Who's older?” but Chris pretended not to hear. **John Caldwell** welcomed back **Gabrielle Shiha**.



Earnest, seeking to emulate all Nathan would have accomplished, called out **Blair Ritchey** for an impromptu Classification Talk. Blair said that he was a Director of the ISF Scholarship non-profit, through which he met **Kelly Palmer**, who sponsored him for Rotary. He has been in Plano since 1985 and joined Rotary “to continue to make a difference in the community.” He is grateful for the warm welcome he's received.



John Caldwell announced a need for judges at a Saturday, 9 April, **4-Way Test Speech Contest** from 9 am to noon. He'll be blighting our e-mailboxes with details. We had a dozen contestants registered before Spring Break, so we're anticipating a larger-than-ever field.

David stumped for the 5810 District Conference 28 April to 1 May at Dallas' **Hilton Hotel Lincoln Center**. Those interested may visit the website:

portal.clubrunner.ca/50023/Stories/district-conference-2016

He reiterated 5810's call for used mobility devices. In cooperation with the **Salvation Army**, we're collecting crutches, etc.

David called **Olin Jaye** to introduce the day's speaker, but he was rebuked by Olin for not remembering that **Mayor Dyer** would do the honors.

Phil thanked us for “holding your applause so we can stay on schedule.” Then he spoke *ex tempore* about his appointment 10 months ago to the **North Texas Municipal Water District Board** and how he learned of the monumental task of serving 1.6M clients.

continued on page 2



(One would have imagined he'd have done such homework as Mayor.) The NTMWD Deputy Director is **Mike Rickman**, who has logged services in water for 46 years, 33 of them with the City of Dallas. Responsible for clean water, waste water, solid waste, reclamation, etc., “*Everything falls under Mike!*”

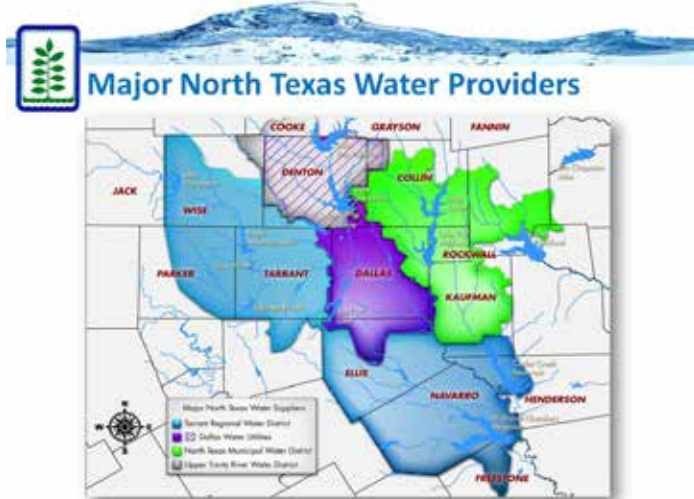


Mr. Rickman outlined the history of the NTMWD. It was created in 1951 by the Texas Legislature and produced its first drop in 1956 to Farmersville, Forney, Garland, McKinney, Mesquite, Plano, Princeton, Rockwall, Royse City, and Wylie. Wastewater appeared under its umbrella in the 70s. Richardson added 1973. Solid waste came on board (watch those slippery decks) in the 80s. Allen ('98) and Frisco ('01) signed on.

Alex Schell was on the Board for over 40 years, providing invaluable expertise and institutional memory. To put the growth in perspective, Plano in the 50s Census had a population of only 2115. By last year, it was 271,140! And the total population served by NTMWD is over 1.6 M. It is projected to be **3.7 M by 2070**. Plano is said to be “built-out,” but the development of Legacy West puts that to the lie.

A good water infrastructure is “*the driving force of community and business vitality.*” Indeed, “*water must be in place **before** the people get here.*”

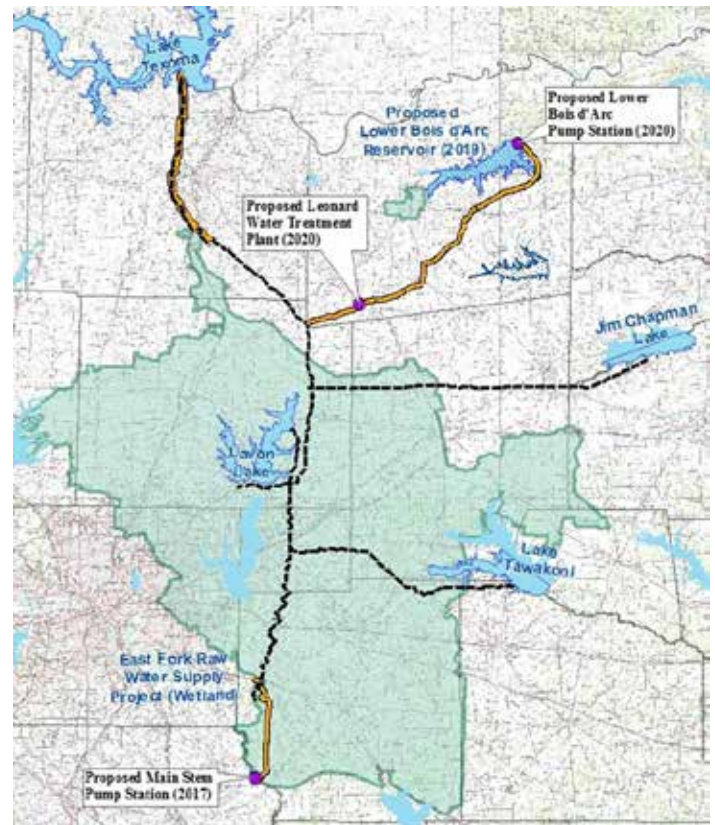
Denton County supplies Dallas with its raw water. Plano is served by Lake Lavon and points east. The pipes necessary for water transport are so large that “*you can drive a car through them.*” And at **\$700 per linear foot**, they represent a significant expense!



Through those pipes come 370 M gallons daily to six water treatment plants. At a maximum capacity of 770 M gallons per day, one of those plants represents the third largest in the nation. (The first two are both in Chicago.)

Post-client (waste) water requires 17 treatment plants. Their health is audited by the EPA. Plano's wastewater plants all received a letter from the EPA (making suggestions for improvements). Others received mandates instead. The EPA is interested in minimizing the possibility of “*sanitary overflow.*” The fixes all mean higher costs to clients.

Solid waste is collected at “*transfer stations*” to be trucked to landfills. Plano's is near Melissa.



With control of zebra mussels, Lake Texoma water can be added to that from Lavon, Jim Chapman and Tawakoni. An 18-acre wetland exists to “*polish wastewater*” by removing the “*nutrients.*” (Mike was just full of euphemisms.) It can then be returned to Lavon, essentially “*doubling capacity.*” (Shades of astronaut piddle.)

It's apparently a myth that we'll handle growth solely with new reservoirs. Only 24% of proposed capacity comes from that source, 32% from connecting to existing supplies, and 23% from conservation. (21% current supplies.)



Unfortunately, it takes decades to receive a permit for a new reservoir. It is so slow that the environmental studies expire before the permission is received. Catch-22. NTMWD has one project blocked by the Feds for 13 years now via a Purpose & Need study.

On the other hand, NTMWD has the best conservation program in the State. The occasional twice monthly watering restrictions have the dubious honor of being the most stringent in the nation. Hurray? We have done so well that the Sierra Club has *given up* opposition to our new reservoirs!

Mike asked for a show of hand (singular) of clients conversant with the *Water My Yard* Project, which emails or texts homeowners on the proper time to water based on the past weather. www.WaterMyYard.org



The State Demographer, **Dr. Lloyd B. Potter**, whose population predictions are 0.1% accurate (uncanny), has told NTMWD that demand will increase 150% over the next 40 years. So "*new supplies are critical.*"

The current purchase of raw water from Dallas County ends in May. And it "*won't be renewed*" because the "*lakes are low.*" (Although the drenching we received this weekend might ameliorate that.)

That loss will be made up by reconditioned water from the wetlands. Also Fannin County has a source. Lake Texoma would be attractive were it not so expensive to desalinate.

In Fannin, the 16K-acre Lower Bois d'Arc Creek reservoir would rival the 22K-acre Lake Lavon, but (paradoxically) it will produce more raw water "*because more rain falls there.*" Unfortunately, the \$1B construction expense is expected to add \$1 to water rates. Still at 1/4¢ per gallon, water remains a bargain. Consider how much we're willing to pay for designer water. (And surely someone will come up with a paella recipe that involves zebra mussels!)

Yoram Solomon inquired about the fraction of water lost in transit. Mike told him that anything under 10% is considered golden. NTMWD is in the 3-4% range.

Chris Henry asked about reservoir security and was told that all facilities are fenced with barbed wire. So that's passive security...most reassuring.

Bob Pikna wanted to know the chances of a Flint, MI, happening here. Mike said our copper pipes don't leach like their lead ones do...especially under the attack of acid rainwater. Furthermore, the buildup of CaCO₃ (calcium carbonate) scale in the pipes further insulates the metal.

Rick Maucieri said his (landscaping) business has "*a bone to pick*" with NTMWD, and he asked when the water restrictions might be lifted. No time soon, came the response, because no new reservoir permits have yet been issued.

Considering those applications, **Rick Horne** asked whether EPA or the Core of Engineers reviews them. The answer was yes.

Gabrielle Shiha asked about the efficacy of heavy rains. Mike said they add to the reservoirs, but, ironically, Plano's rain drains into Lake Ray Hubbard which services Dallas.

David offered Mike our lethal paperweight, led us in the Four-Way Test, and hurried us out at 1:03.



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The Plano Rotary Club

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Guest

Pat Stark

Gabrielle Shiha

Guest of

Chris Parr

John Caldwell

Visiting Rotarian

None

Home Club



Proposed Member: Clay Curtis

Proposer: Kelly Palmer

Classification: Commercial Construction

Next Club Networking Social:
Tuesday, March 22nd
Location TBD

Socials are held on the 4th Tuesday of each month at 5PM and will count as a Rotary make-up.

Please Contact Bob Pikna if you have suggestions for events.

Email: bpikna@bizsvcs.com or Phone: 214-417-1487

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Together We Can!

SUNDAY, April 3, 2016
Steps of Legacy in Plano
Starting at 5:00pm
5:00-8:00pm
Progressive Dinner, Drawing and Giveaways
With Proceeds Benefiting

Plano Children's Medical Clinic
Health Services of North Texas
Co-Chairs Kristi Nelson, NBC 5 DFW Anchor,
Pujan Patel and Trang Dang-Le DFW IRealty
TICKETS \$100/PERSON
CONTACT: Larry Bono
lbono@plano-cmc.org
972.899.6764 www.healthservices.org



COLLIN COLLEGE


You are cordially invited to a private ceremony
dedicating a tree to the life and legacy of
Founding Trustee Fortino "Tino" Trujillo.

10:30 a.m.
Wednesday, April 6, 2016
Founders' Day

Spring Creek Campus
Living Legends Conference Center Lawn

Reception to follow in the Living Legends Conference Center.

RSVP to rjones@collin.edu or 972.758.3805.



Fortino "Tino" Trujillo
Founding Trustee