

# NEODBUG

E L E C T R O N I C

## Newsletter of the Northeast Ohio Database Users Group

### Summer Learning—Varied NEODBUG Program at August 20 Meeting

Summertime, and the LEARNING is easy! Join us at the Crowne Plaza in Independence, Ohio on Thursday, August 20 for a program that will add to your DB2 knowledge, no matter what your IT job title is.

\* \* \*

Our morning will be filled with presentations by *Dan Luksetich* (LUK-se-tich) of *DanL Database Consulting*: Dan was the presenter at NEODBUG's special education meeting in March of 2006.

*"Time Travel Queries and Temporal Data Storage - What you need to know!"*—Temporal tables and time travel queries are a very popular feature of DB2 10 for z/OS and DB2 10 for LUW. They are one of the most powerful automated database features to come out in some time. This session will go into depth about the things you need to understand and prepare for before using temporal tables. This will include proper table, index, and table space design and configuration, as well as the ongoing management of these objects. In addition, we will go into depth about how exactly time travel queries work, the complexity with period specifications, and the performance implications.



*"Understanding Query Transformation in DB2 for z/OS"*—There is always a lot of talk about the DB2 optimizer and what is the best access path for a particular query. While this is of course important it is also important to know that the optimizer is only part of the story. When a query is submitted one of the first things that happens is that it goes through query transformation. In this part of the process DB2 interprets the submitted SQL and rewrites it. Views and UDFs are merged with the query, subqueries possibly transformed to joins, table expressions merged and much more. If you are a serious query tuner you need to understand what is happening during query transformation and what you can do to influence it. We'll learn about query transformation, how to view query transformation and how to influence query transformation.

Dan Luksetich is a data scientist and senior DB2 DBA consultant. He works as a DBA, application architect, presenter, author and teacher. Dan has been in the information technology business for over 29 years and has worked with DB2 for over 24 years. He has been a COBOL and BAL programmer, DB2 system programmer, DB2 DBA and DB2 application architect. His experience includes major implementations on z/OS, AIX, iSeries, Windows and Linux environments. He is a certified DB2 DBA for DB2 for z/OS and LUW, system administrator for z/OS and application developer, and has worked on the teams that have developed the DB2 for z/OS and LUW certification exams. He is the author of several DB2 related articles as well as the author of the Computer Associates *DB2 Performance Handbook*, co-author of the *DB2 9 for z/OS Certification Guide* and the *DB2 10 for z/OS Certification Guide*.

Dan is an IBM Gold Consultant, an IBM Champion for Data Management and the

(Continued on page 2)



July, 2015 issue  
[www.neodbug.org](http://www.neodbug.org)  
[info@neodbug.org](mailto:info@neodbug.org)

#### IN THIS ISSUE

[August quarterly meeting - page 1](#)

[Treasurer's Report - page 3](#)

[Meeting Agenda—page 3](#)

[Upcoming Database Events - page 4](#)

#### BOARD OF TRUSTEES

Michael James  
Chairman

Bill Moran  
Vice Chairman  
BMC Software  
(330) 869-6852

Jim Szabo  
Secretary  
(216) 751-1957

Al Solnick  
Treasurer  
Medical Mutual  
(440) 878-4873

Kirk Bailey  
Maverick Direct

Frank Fella  
Progressive

Kerry Quast  
Westfield Group  
Webmaster

Phil Sherman  
Webmaster

Robert Vargo  
Progressive

Don Zamiska  
Parker Hannifin

NEODBUG  
P.O. Box 221331  
Beachwood, OH  
44122-0997

Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)

chairman of the International DB2 Users Group Content Committee.

\* \* \*

Our first afternoon presentation is “*DB2 Performance & Tuning (it’s all about the SQL!)*” by *Compuware’s Mike Wingfield*. Mike has updated and expanded the presentation he gave NEODBUG in November of 2014.



Mainframe Application Performance Management is more imperative today with processor speeds approaching the 7 GHz limit. Throwing hardware at performance issues is not enough anymore. Application response times and runtimes need to be tuned to run as efficiently as possible and often times when it’s DB2 in the application, most of the performance opportunities will be found there. Various CICS, Batch, and DDF DB2 Version 10 tuning opportunities will be examined, and analyzing SQL text, DB2 access paths and the DB2 catalog objects are involved.

- What on mainframe applications are using CPU and causing wait?
- Analyzing online and DDF SQL for optimal response times
- Investigating DB2 batch jobs to reduce overall runtimes
- Exploring access path efficiency by examining the Explain
- Scrutinizing information contained in the DB2 catalog

Mike Wingfield has been in IT for over 35 years and has been working with DB2 since version 1.1 in 1987 as a programmer, DBA, tech support, data modeler, data architect, and for the last 20 years as a DB2 performance and tuning specialist. Mike has been utilizing Strobe since 1991 and has documented mainframe operating cost savings of over 50 million dollars using Strobe from 1994 through 2001. Mike retired from US WEST (now Century Link) after 30 years of service.

We would also like to thank Compuware for sponsoring the meeting’s lunch!

\* \* \*

Our last talk of the day comes from a member company: *Mike Smith of Westfield Insurance* will present “*IBM Text Search for DB2 z/OS - You Own it, but Do You Have a Use for it?*”.

You have already paid for IBM Text Search for DB2 z/OS as part of the DB2 Accessory Suite. This presentation will help you understand how DB2 Text Search works, its features and restrictions, and how you may be able to make use of it. The major topics include:

- Technical overview
- Installation and configuration
- Set up and use
- Westfield’s kind-of-weird implementation (a replacement for multi-index access)

At Westfield Insurance, we have been using DB2 Text Search in production for a year as a critical part of our new Claims Processing system. As the solution for policy searches, it provides the speed, accuracy, flexibility and availability required meet the needs of our claims processors. Searches are invoked by use of a DB2 function in standard SQL, so it is relatively straight-forward to integrate into applications.

\* \* \*

Looks interesting? Remember, you can’t beat the price of this meeting—only \$20 in advance for employees of NEODBUG member companies. That’s Thursday, August 20, 2015 at the Crowne Plaza Hotel—Cleveland South in Independence, Ohio. Preregister using the link below. Hope to see you there!

Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)

# NEODBUG Treasurer's Report

Here are the current financials for NEODBUG as of June 20, 2015.

<b>ASSETS</b>	
PayPal	\$ 2,457.89
Checking Account	\$ 5,466.37
Money Market Account	\$ 7,556.38
<b>Total Assets</b>	<b>\$15,480.64</b>
<b>LIABILITIES</b>	
Membership Prepayment	\$ 260.00
<b>Total Liabilities</b>	<b>\$ 260.00</b>
<b>NET WORTH</b>	<b>\$15,220.64</b>

We had an excellent turnout for the May 21st quarterly meeting with fifty-five paid attendees from thirteen companies.

The following companies/ individuals have sent in their corporate or individual memberships. If you don't see your company name, you will have to pay the higher, non-member registration fees at the upcoming quarterly meeting. Those companies that prepaid to send members to NEODBUG meetings have the number of remaining coupons next to their names. The coupons expire 12/31/2015:

Companies/Individuals that have paid memberships:

Allstate Insurance	Medical Mutual (2 Coupons left)
BMC Software (3 Coupons left)	Parker Hannifin (2 Coupons left)
Erie Insurance (1 Coupon left)	Phil Sherman
James Szabo	Sherwin Williams (2 Coupons left)
Key Bank	Westfield Insurance (3 Coupons left)

Al Solnick, Treasurer

## Meeting Agenda

Thursday August 20, 2015

8:30 - 9:00	Registration	
9:00 - 9:15	Opening Remarks	Michael James NEODBUG Chairman
9:15 - 10:30	Time Travel Queries and Temporal Data Storage - What You Need to Know!	Dan Luksetich DanL Consulting
10:30 - 10:45	Break	
10:45 - 12:00	Understanding Query Transformation in DB2 for z/OS	Dan Luksetich DanL Consulting
12:00 - 1:00	Lunch/Networking—Courtesy of Compuware	
1:00 - 3:00	DB2 Performance and Tuning (It's All About the SQL!)	Mike Wingfield Compuware
3:00 - 3:15	Break	
3:15 - 4:45	IBM Text Search for DB2 z/OS - You Own it, but Do You Have a Use for it?	Mike Smith Westfield Insurance
4:45 - 5:00	Closing Remarks	Michael James NEODBUG Chairman

Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)

## Upcoming Database Events

DATE	EVENT/LOCATION/ORGANIZATION WEBSITE
07/26-31/2015	The Data Warehouse Institute (TDWI) Conference “The Analytics Experience”—Boston, MA <a href="http://www.tdwi.org">www.tdwi.org</a>
08/04/2015	Ohio North SQL Server User Group—Independence, OH <a href="http://www.ohionorthsqlserverug.org">www.ohionorthsqlserverug.org</a>
08/09-14/2015	SHARE in Orlando—Orlando, FL <a href="http://www.share.org">www.share.org</a>
08/18-20/2015	NoSQL Now Conference—San Jose, CA <a href="http://www.nosqlnow.com">www.nosqlnow.com</a>
08/20/2015	Northeast Ohio Database Users Group (NEODBUG) quarterly meeting—Crowne Plaza, Independence, OH <a href="http://www.neodbug.org">www.neodbug.org</a>
08/31-09/04/2015	International Conference on Very Large Data Bases—Kohala Coast, HI <a href="http://www.vldb.org">www.vldb.org</a>
09/01/2015	Ohio North SQL Server User Group—Independence, OH <a href="http://www.ohionorthsqlserverug.org">www.ohionorthsqlserverug.org</a>
09/15-18/2015	International DB2 Users Group (IDUG) DB2 Tech Conference—Melbourne, Australia <a href="http://www.idug.org">www.idug.org</a>
09/16-18/2015	PostgreSQL Open—Dallas, TX <a href="http://2015.postgresopen.org">2015.postgresopen.org</a>
09/18/2015	Northeast Ohio Oracle User Group (NEOOUg) business meeting—Independence, OH <a href="http://www.neooug.org">www.neooug.org</a>
09/20-25/2015	TDWI Conference—San Diego, CA <a href="http://www.tdwi.org">www.tdwi.org</a>
09/28-29/2015	Data Governance Financial Services Conference—Jersey City, NJ <a href="http://www.debtectint.com">www.debtectint.com</a>
10/06/2015	Ohio North SQL Server User Group—Independence, OH <a href="http://www.ohionorthsqlserverug.org">www.ohionorthsqlserverug.org</a>
10/18-22/2015	Teradata Partners 2015—Anaheim, CA <a href="http://www.teradata-partners.com">www.teradata-partners.com</a>
10/25-29/2015	IBM Insight 2015 (formerly Information On Demand)—Las Vegas, NV <a href="http://www.ibm.com">www.ibm.com</a>
10/27-30/2015	Professional Association for SQL Server (PASS) Summit—Seattle, WA <a href="http://www.sqlpass.org">www.sqlpass.org</a>
11/02-04/2015	Big Data Techcon—Chicago, IL <a href="http://www.bigdatatechcon.com">www.bigdatatechcon.com</a>
11/03/2015	Ohio North SQL Server User Group—Independence, OH <a href="http://www.ohionorthsqlserverug.org">www.ohionorthsqlserverug.org</a>
11/13/2015	NEOOUg business meeting—Independence, OH <a href="http://www.neooug.org">www.neooug.org</a>
11/15-20/2015	IDUG DB2 Tech Conference—Dublin, Ireland <a href="http://www.idug.org">www.idug.org</a>
11/19/2015	NEODBUG quarterly meeting—Crowne Plaza, Independence, OH <a href="http://www.neodbug.org">www.neodbug.org</a>
12/01/2015	Ohio North SQL Server User Group—Independence, OH <a href="http://www.ohionorthsqlserverug.org">www.ohionorthsqlserverug.org</a>
12/06-11/2015	TDWI Conference—Orlando, FL <a href="http://www.tdwi.org">www.tdwi.org</a>
12/07-11/2015	Data Governance Winter Conference—Ft. Lauderdale, FL <a href="http://www.debtectint.com">www.debtectint.com</a>
01/29/2016	NEOOUg business meeting—Independence, OH <a href="http://www.neooug.org">www.neooug.org</a>
05/02-04/2016	PASS Business Analytics Conference—San Jose, CA <a href="http://www.sqlpass.org">www.sqlpass.org</a>
05/23-27/2016	IDUG DB2 Tech Conference—Austin, TX <a href="http://www.idug.org">www.idug.org</a>
06/27-07/01/2016	Data Governance & Information Quality Conference—San Diego, CA <a href="http://www.debtectint.com">www.debtectint.com</a>
09/05-09/2016	International Conference on Very Large Data Bases—New Dehli, India <a href="http://www.vldb.org">www.vldb.org</a>

Register for the meeting at [www.neodbug.org/2\\_1/register.html](http://www.neodbug.org/2_1/register.html)