

## WVNET'S NEW IBM XIV STORAGE SUBSYSTEM



Ben Mays, Rich Lynch, Allen Daugherty (left to right)

The new storage area network, the IBM XIV (pronounced "X", "I" "V") enterprise class storage subsystem arrived on site March 22, 2011. Director-Systems & Telecommunications, Allen Daugherty, Manager-Systems, Rich Lynch and Systems Programmer-Lead, Ben Mays (right to left) look on as deliverymen unload the new storage subsystem weighing in at 1600 pounds. Just in time for spring cleaning and to maximize your storage needs, this new subsystem, which features state of the art technology, will provide WVNET customers with large, fast, and reliable disk storage. The XIV is well suited for mixed environments with random access workloads such as database transaction processing, media streaming, internet applications and emerging new technologies like Web 2.0. The XIV supports remote replication, providing WVNET customers the opportunity to do off-site failover of applications for disaster recovery. WVNET will use this new storage

solution for existing applications and services including Web based services, Email, administrative applications, and Banner student information systems. This storage array will also be deployed by WVNET in new technologies such as the P-20 project, distance learning online course management systems (Blackboard), and various video streaming applications. The IBM XIV replaces the old SAN (storage area network). With the old system, management of the storage was more labor intensive. The systems administrator was required to carefully allocate the storage to prevent the storage area from becoming overly busy (hot spots). Also, the systems administrator had to decide how to allocate the storage which often involved detailed knowledge of the applications being used. The new system will automatically allocate storage in such a way that hot spots will not occur. The capacity of the new SAN is twice as large as WVNET's old one. Below right, Systems Programmer-Lead Sam Lay takes a look at the architecture of the XIV.



Sam Lay

### VOLUME 1, ISSUE 2

#### In this issue:

WVNET's New IBM XIV Storage Subsystem	<b>1</b>
Higher Education Day at the Legislature Recap	<b>1</b>
Letters to the Editor	<b>2</b>
On a More Personal Note...	<b>2</b>

### MARCH/APRIL 2011

#### In this issue *continued*:

Friends of WVNET	<b>2</b>
Flying Under the Radar	<b>3</b>
WVNET's Address Verification and Cleansing Services	<b>3</b>

## HIGHER ED DAY RECAP



Photo by Ashley Schumaker

Verne Britton, Kathy Musick, Roberta Haddix and WVNET Director Dan O'Hanlon pose in front of the WVNET display during Higher Education Day at the Legislature. Various promotional materials were available to visitors as well as give-away items including thumb

drives, etc. Higher Education Day at the Legislature is held to salute West Virginia's higher education institutions and to inform potential students, policymakers, and the general public about postsecondary educational opportunities. *See you there next year on February 10, 2012.*

## Friends of WVNET



Senator Robert D. Beach

Bob Beach is no stranger to public service and is strongly suited to serve both the residents of Monongalia and Marion County; just ask his fellow legislators and the employees at WVNET whose jobs he (and others) helped save/kept in Monongalia County. In addition to numerous pieces of legislation passed each session, Bob works closely with legislators in both the House and Senate to assure issues facing both County and State see the committee process. Many say that Bob's single strong suit is his ability to build relationships and consensus among fellow legislators. A five term member of the House of Delegates, Bob has Chaired the Committee on Agriculture and numerous Vice Chair positions. Presently, Bob serves as Chair of Transportation & Infrastructure and Vice-Chair of Agriculture in his first term as Senator. Currently self-employed, Bob's hometown is Morgantown, West Virginia—the *forever* home of his friends at WVNET. He is married to Rachel Plybon Beach with twin sons Bob and Sam and also has three adult daughters. Bob's interests involve family and friends and he enjoys politics, conversation, reading, and traveling. *WVNET is proud to call him friend!!*

"I'm impressed! Good job with the WVNET newsletter. This is something that has been needed for a long time and hopefully it will help to promote the good work of WVNET"...Cindy Anderson, Executive Assistant to the Vice Chancellor for Administration, HEPC

"Wow. I love the newsletter you sent out. Very nice"...Tammie Means, Executive Secretary/Assistant to CTO

"Dan/Fran --- very nice newsletter, nicely done"...Dr. Tom Blevins, Bluefield State College

"Vice Chancellor O'Hanlon, The WVNET newsletter looks very nice and it is smart to send communications across the state!

Congratulations"...Sue Day-Perroots, Ed.D., Dean of Extended Learning, WVU

"This is wonderful. Congratulations on being the editor. What an honor"...Juanita Marley, (recently retired), Information Technology, Marshall University

"Very nice!"...Senator Robert D. Beach, Chair-Transportation & Infrastructure, Vice Chair-Agriculture.

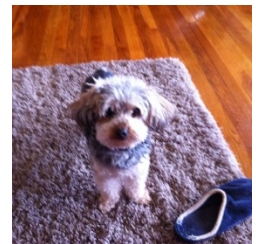
Quote of the day...

"None of us is as smart as all of us together". Dan O'Hanlon

## ON A MORE PERSONAL NOTE HERE'S THE BUZZ

⇒ WVNET Master Gardener Barbara Long (wife of Randy) was featured in the Sunday edition of The Dominion Post. Barb, President, Monongalia Master Gardeners discussed "Glam Up Your Garden with New Roses". Check out Barb's article here: <http://tinyurl.com/4rfub9k>

⇒ Fran Barnes' Yorkiepoo "Katie" turned 3 years old on February 28. Katie is a first-generation Yorkiepoo. A "hybrid" not yet recognized by the AKC, research supports this type of breed inherits the best traits of each parent. Katie has incredible fun running madly about the house with a pair of old slippers in her mouth.



Katie Barnes

⇒ WVNET's very own health and wellness guru Karen Saffron reports "Walk 100 Miles in 100 Days" started on March 21 and ends on June 29. Typically, a dozen or so WVNET staff members participate in this annual important health initiative.



2011 WVBA Beekeeper of the Year Dan O'Hanlon (Photo by Joyce Frey)

⇒ Turns out WVNET Director Dan O'Hanlon was elected 2011 WVBA (West Virginia Beekeepers Association) Beekeeper of the Year. WVBA reports "Dan has worked tirelessly to advance the art of beekeeping not only in the local community but he has done much to help all of those interested in this ageless endeavor".

⇒ Lola Fincham, Assistant to the Vice Chancellor for Technology, will visit WVNET on April 12-13, 2011. Everyone is looking forward to meeting Lola!!

## WVNET

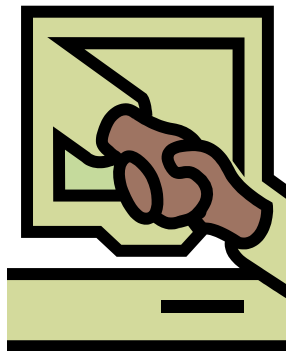
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## FLYING UNDER THE RADAR

**At the speed of light, and a lot of times quite transparently:**

- ◆ WVNET hosted the March 15-16, 2011 meeting of the **Computer Center Directors** Advisory Forum.
- ◆ **WVNET connects: Virtual Summit — Distance Learning in Action.** SunGard's SUMMIT annual user conference for the Banner higher ed software suite was held in New Orleans March 20-23. As part of this conference, SunGard offered Virtual Summit: live remote connections to some of the conference sessions via the web. This year, WVNET set up connections to the Virtual Summit in both of our conference rooms and invited Banner users from across the state to join us in Morgantown to participate in these sessions *free of charge*. This gave us the opportunity to provide access to these informative sessions and at the same time get to know some of our users. WVNET will be offering web-based repeats of some of the key virtual sessions in the coming weeks. Dates and times will be announced on the WVNET Banner Users Group listserv, WVNET-BUG@listserv.wvnet.edu. The Banner Users Group meets monthly via conference call on the third Thursday at 2:00 p.m. to discuss a wide range of topics of interest to our WV community. To subscribe to this listserv list, send an email to [listserv@listserv.wvnet.edu](mailto:listserv@listserv.wvnet.edu) with "subscribe wvnet-bug" in the body of the message or contact the WVNET helpdesk at 800-253-1558.
- ◆ **Cisco Systems** has announced the donation of the following pieces of video collaboration equipment: 1) A high-end, Dual 52" High Definition (1080p) LCD screen 'Tandberg Profile 52' system for the conference room at WVNET; 2) A High Definition (1080p) 24" LCD 'EX90' desktop system; and 3) A complete TMS and VCS management package for location in the Network Core in Building 6 in Charleston. *Cisco is also planning to provide an identical 'Profile 52' system to the Office of Technology in Building 5.*
- ◆ The **WV Statewide Technology Conference 2011** is being held August 2-4, 2011, at the Waterfront Place Hotel and the Morgantown Event Center at Waterfront Place. *Call for Proposals* was made on March 23 with a deadline no later than April 29, 2011. Check out pertinent details here: <http://conference.wvnet.edu/call-for-proposals>.

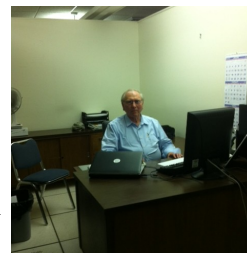
## WVNET'S ADDRESS VERIFICATION AND CLEANSING SERVICES

One of WVNET's customers contacted Administrative Applications about their need to assure accurate mailings and validate mailing addresses in order to stay compliant with the U.S. Postal Service move update ruling ([http://ribbs.usps.gov/files/Move\\_Update/MUP\\_overview.html](http://ribbs.usps.gov/files/Move_Update/MUP_overview.html)). The client was looking for a way to maintain address accuracy while at the same time automatically update Banner records at an affordable cost.

After careful investigation of existing software packages that could be used by all clients for any purpose (not just Banner use) yet be as flexible and cost effective as possible, WVNET became a third party authorized list processor of address verification systems. What this means is that addresses provided by our process are certified by the US Postal Service to accurately meet the new postal requirements. Ultimately, the goal was to provide a means for institutions to stay in touch with their students both now and long after graduation.

New Banner processes were implemented by WVNET Administrative Applications to populate the pertinent tables with thousands of zip codes and counties throughout the country while maintaining total compliance with all existing Banner processes. The Banner data cleansing process extracts the data, cleanses it and reloads the data into the proper Banner locations. This process is not limited to Banner data and can be used with any comma-delimited input file. In addition, multiple data elements are captured and received with the cleansing process that could assist in institutional long range planning goals.

The following highlights several features available in the address cleansing process: Banner record updating, coding accuracy support system, a process for evaluating the zip+4, delivery point verification, locatable address conversion that also features the rural to city style street renaming, line of travel, diagnostic routines used for correcting inaccurate addresses, and the national change of address as related to move update. Optional features include: track and trace and address resolution and suppression services. **For more information, contact George Tilko at 304.293.5192 x234 [gtilko@mail.wvnet.edu](mailto:gtilko@mail.wvnet.edu)**



George Tilko