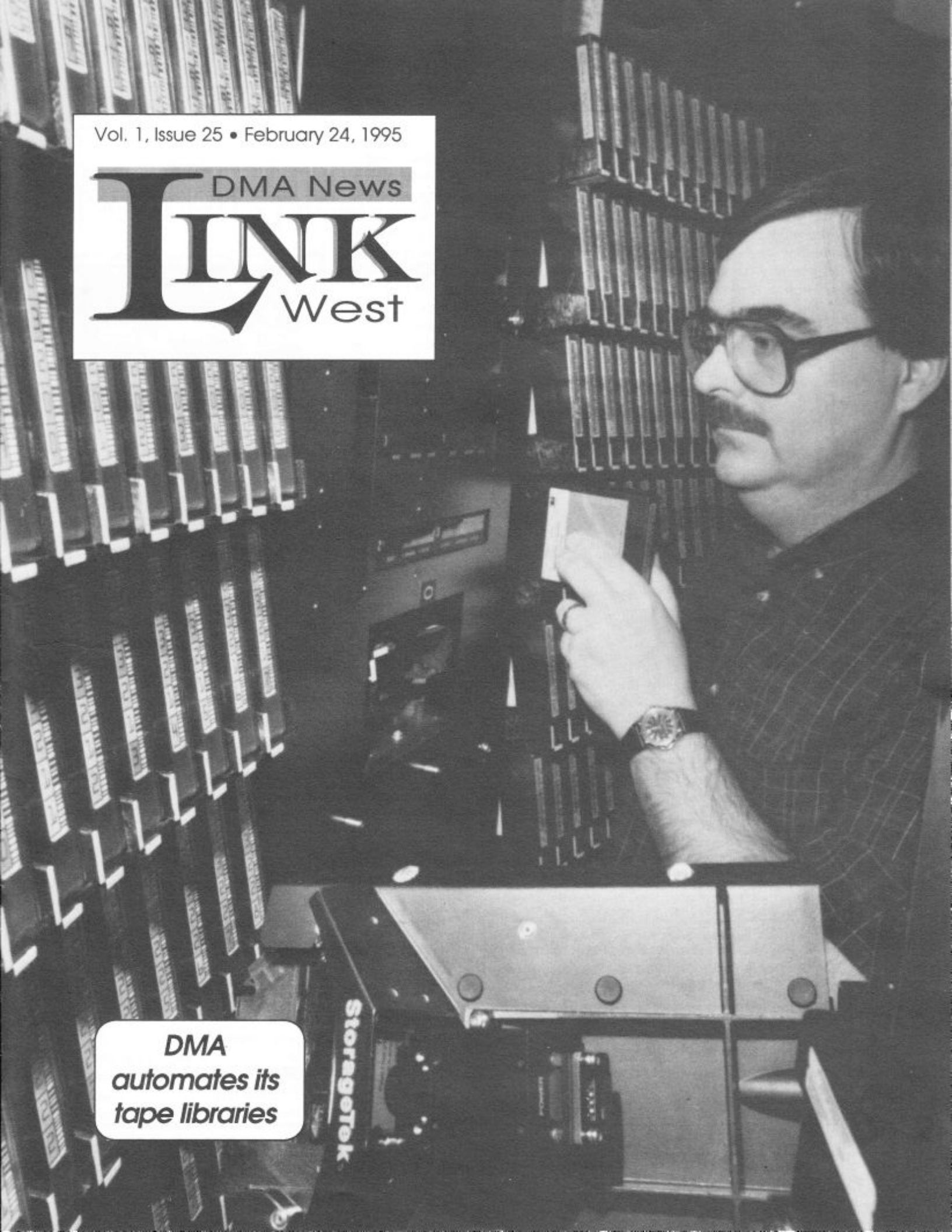


Vol. 1, Issue 25 • February 24, 1995

DMA News  
**LINK**  
West

**DMA**  
*automates its  
tape libraries*

StorageTek



**A**s I complete my first month as the Director of DMA, I can tell you that I am very proud to be a part of this organization. I have been impressed with the outstanding attitudes of all of you and especially your commitment to the mission.

During my visits with you, I have really gained an appreciation for the complexities of the "map making business" and the fact that there really is more involved than the average customer probably realizes. I was one of those customers, earlier in my career, and I can assure you that I am really enjoying learning now about the mapping business.

I am sure everyone understands that the major task we face is to determine the strategic plan for the future and the organization that will best serve that vision. I have spent my first weeks learning what we do and how we do it, how we are organized today to do the work, and how that has enabled us to serve our customers in the past.

On Feb. 2, I received the "To Be" briefing from the Reinvention Task Force, and following that I met with

all component directors and other senior staff to finalize the decision on the organization for tomorrow. Recognizing that in a true total quality environment any organization should be willing to accept continuous improvement/refinement in their structure, we will continue to work together to implement the new organization.

Having said that, I believe it to be critically important to hear from the men and women who do the value added work. I am interested in your thoughts and comments on how the new organization is making your job easier, reducing your obstacles and lessening the regulatory burdens to efficient production. The Town Hall Meetings in late February began that process, I believe, in a very positive way. We must continue that dialogue at every level in the organization as we implement our plans.

On closing, I want to make one last point, simply this — I expect everyone to seek to understand the "whys" of the reorganization and to make it your goal to make it work.



## DMA News **LINK** West

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### Inside the News Link

Bits and Bytes from the Director	2
<b>COVER STORY:</b> New ATIs provide automated storage and retrieval	3
<b>SPECIAL FEATURE:</b> Moran marks 50	5
<b>DMA News:</b> Reinvention Plan Approved, Daugherty to retire	7
Black History Award nominees, Groundhog striders, Hats Off	8

*Cover photo, pages 3, 4, and 5 (top)*  
by Jim Stepanik

Computer Systems Initiative

## New ATLS provide automated data storage and retrieval

**A**s part of DMA's Computer Systems Initiative to centralize and automate mainframe computer operations, Reston Center's Operations Department has begun operation of automated tape libraries in Reston and St. Louis.

The new libraries automate the management of information currently stored off-line, replacing manually mounted tapes with tape cassettes.

The ATL stores tape cartridges in the interior walls of a "silo" about 11 feet in diameter and 10 feet tall. A robotic arm automatically retrieves and mounts the tapes for processing by one of a number of computer mainframes.

Located inside the silo, the arm rotates horizontally and raises and lowers itself to the precise location where the requested tape is stored. With its mechanical hand, the arm grasps the tape from its storage slot and transports it to a drive located in the silo.

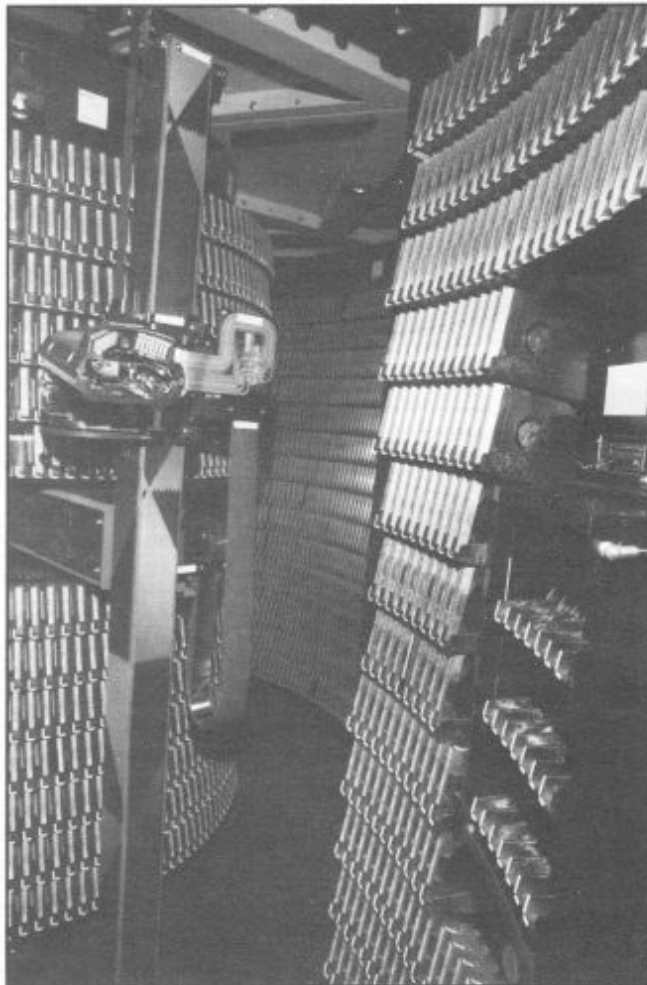
After the tape has been processed (read or written to) the hand dismounts the tape from the drive and returns it to its storage location.

In the older off-line storage system, when a tape is needed, a message is displayed on the operations console. An employee then has to walk to the vault, find the tape, carry it to the tape drive, and manually insert it. After the tape is processed, the employee collects the tape and returns it to the vault.

The first ATL silo went into operation at the Aerospace Center in June of last year, and a second is planned here. Two more are on site at Reston Center, and another will be added later.

Each silo is capable of storing 5,500 computer cartridges. All will support segments of DMA's Digital Production System at DMA's production components: Data Services, Production Management and Source Acquisition.

The silos now on site are connected to the PM/S at the Aerospace Center and the DS/S at RC. When fully operational they will also serve the DS segments in St. Louis and Bethesda, and will be connected to mainframes supporting the SA segment.



*Inside the open door of the ATL, hundreds of tape cartridges are visible. Robotic arms are mounted on vertical track poles that revolve and can position themselves anywhere in the inner and outer circle of cartridges.*

"The ATL has many advantages," said Howard Thomas, an RC computer specialist. "Besides being a whole lot faster, it does the same thing a human does in a more confined space. It cuts down on space because it doesn't have to have aisles for people to move through.

*continued next page*

## Facts about the St. Louis Automated Tape Library (ATL)

**WHO:** Engineered, acquired by Patrick Biggar and Gene Clendenin (DMASC), hardware installation support by Rich Guimbarda (DMARC), software installation by Elroy Preuhs and Dean Oby (DMASC), operational implementation by Al Cina and Matt McBeth (DMARC)

**WHAT:** StorageTek 4400 Nearline System. A 12 foot dodecahedral (12-sided) structure with a robotic arm and two hands that can automatically mount (or dismount) one of approximately 5500, IBM tape cartridges in an average of 17 seconds. Each tape cartridge can store 1.6 gigabytes. Each ATL can store an approxi-

mate maximum of 9 terabytes (9000 gigabytes). It is approximately four times less expensive per megabyte of storage than disk.

**WHY:** The ATL is a Commercial-Off-The-Shelf (COTS) product that streamlines magnetic tape operations and has a small footprint per megabyte of storage.

**WHEN:** The St. Louis ATL was installed Dec 93 and became operational Jun 94.

**WHERE:** The St. Louis ATL is located in the 1E computer room and supports the IBM mainframe computer hosting the DPS Production Management Segment (PM/S). There are approximately 50 "ATLs" (government and private industry) currently in use in the St. Louis area.

## the new ATLs

continued from page 3

It also allows us to use a different type of tape cartridge, which has four times the storage capacity of our present type."

Systems Center is developing plans to take advantage

of the data compression feature and other technical capabilities offered by the ATL, whose manufacturer calls it a "near-line" data storage system. It will allow DMA to reallocate personnel resources required to operate and manage the off-line system, said officials.

*Information for this article was supplied by Paul Hurlburt, News Link East, and Patrick Biggar, SC(TSS).*



The St. Louis ATL "crew" includes Rich Guimbarda, RC(RSOF); Matt McBeth, RC(RSBB); Frank Benedix, SC(TSSSA) (partially hidden); Patrick Biggar, SC(TSS); Elroy Preuhs, SC(TSSSA) (also on cover), Al Cina, RC(RSOF); and Dean Oby, SC(TSSSA).

## A Half Century of Service

# Bill Moran marks fifty

BY JIM MOHAN

Bill Moran likes to say his favorite expression is "what part of no don't you understand?" Sometimes he says it tongue-in-cheek, (sometimes not). But his life and the lives of countless people at the Aerospace Center would have changed dramatically if he had listened to his own advice.

That's because five decades ago Bill refused to take no for an answer when he walked into the Marine recruiter's office to enlist during World War II.

"Actually I was underage. My mom helped me conceal my age, but the gunny sergeant, sensing that something wasn't right, told me to come back when I was 'old enough to shave'."

Not to be deterred, young Moran left the Marines office on the first floor and traveled up nine floors where the Navy recruiters meet him with open arms. (Well, there was a war on, you know.)

So he was off to the Navy training facility in Farragut, Idaho. He went to sea shortly after, island hopping throughout the Pacific and earning



Bill Moran (left) in 1944, with Chief Bonham, Pacific Fleet welterweight boxing champion

four battle stars.

Bill was on board a cruiser in Tokyo Bay August 15, 1945, when Japan signed the peace treaty on the battleship *Missouri*, ending World War II.

Seven months later he mustered out of the active Navy but kept his military affiliation, joining the Naval Reserve as a full-time reservist with Attack Squadron 92 at the base at Guantanamo, Cuba.

He later left full-time service with the reserves, transitioning to a weekend warrior role, which as Bill says was not one of his best moves because later he became a "happy and friendly participant in the Korean War."

Before that, however, came an event that affected numerous lives. Bill traveled to St. Louis to enter Aeronautical Chart Plant service May 28, 1948.

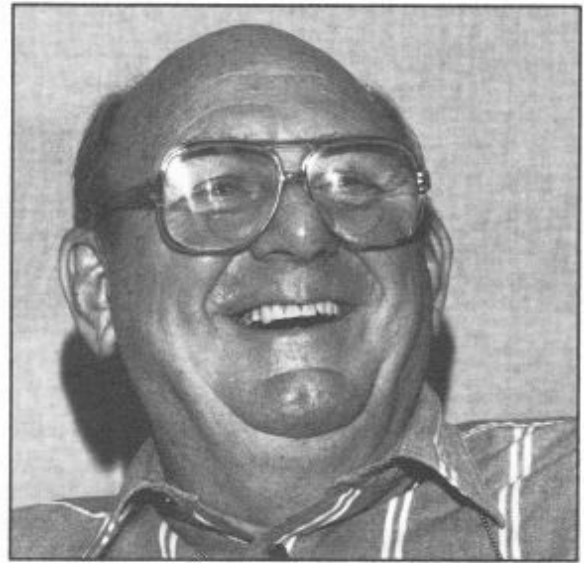
"When I came here we were located in the Illinois Terminal Building [the old *Globe Democrat* building] downtown. We had about 400 people on three shifts. It was quite a place."

Bill was hired in as a warehouse helper, earning the grand sum of \$1,984 per year. The building where they worked was, as Bill says, "pretty rustic."

"We were on the fifth floor of the building and everyone came in through the freight elevator, and you had to go down to the first floor to Thompson's Cafeteria to get your coffee."

But for all its drawbacks, Moran adds, working there was fun.

"We were all like family. Lt Col Jewel Morrison was the director, and his secretary was Marge Wisneski. When I went to visit Marge, Colonel



Morrison would bring me a cup of coffee and we would sit around and talk. That's the kind of place it was."

"Everybody knew everybody, and everyone got along. We had lots of parties, and worked really hard."

In 1950, Moran was recalled to active duty because of the Korean conflict. When he returned a lot had changed.

For one thing operations had moved from downtown to the historic St. Louis Arsenal. Also, by September of 1954, there were over 3,000 employees.

"When we first came to the property the Army Medical Depot was still here. We only had one floor of Building 36. On the sixth floor was the X-ray and dental equipment repair shop. Mattresses were stored on the first, second and third floors. We even pitched in and helped them unload coffins. Not empty ones, full ones that they used to process here.

"Little by little we forced the Army out and took over this property [3200 South Second Street] and 8900 South Broadway.

"Printing, which for a time was done in one of the buildings at the St. Louis Arena, was moved to the second floor of Building 36.

"The vibration from the presses

continued next page

## Moran marks fifty

continued from page 5

and bindery operations, along with a fifteen-pocket collator, seemed to be more than the building could handle. When all the equipment was up and running the second floor would be rocking" says Moran.

Bill helped set up the original five-color press when it arrived from Germany. "The German who had built it came over to assemble it. Each piece was numbered, and we assembled it like a big jigsaw puzzle."

One more thing was different about those early days Moran remembers. "All of our classified material fit in a vault 40 by 40 feet. And we still had plenty of room left over."

Slowly the place got bigger and bigger and by the 60's ACIC, as it was then known, began to change.

"We got really big. You didn't know everybody anymore. By Vietnam it was a different world."

Over the years Moran's career changed too. Following his start as a warehouse helper he advanced to warehouse supervisor, then foreman. He switched to transportation,

working as a freight rate analyst. He became an inventory management specialist in Printing and Distribution, and later a production controller in Carto.

In 1975 he was named deputy director of logistics, moving to the Comptroller's Office in 1978 as budget analyst.

One career might be enough for most people, but not for Bill Moran.

In addition to his government job, Bill did 12 years in the reserves, retiring as a senior master sergeant from the Air National Guard in 1986.

Over the years, Moran deployed with the Air Guard to Denmark and Germany. During his overseas jaunts he developed a taste for things German, like fine automobiles, good German food and hop-based products.

But Olive Drab wasn't the most unique uniform Bill ever donned. No, that would have to be the "zebra stripes" of a hockey referee.

During the 60's and 70's Bill officiated at amateur, collegiate and even the professional level.

He was no novice to the sport, having played a great deal of amateur hockey in his youth.

How did he get started?

"I went out to the rink one day and they were short an official. So ..." And that was it. Bill worked his way up through the various officiating levels. Working his way up meant reading a lot of rule books and working a lot of games as a junior official.

He worked as a linesman at the Arena for the St. Louis Blues games, and for many years he was a goal judge, traveling during the playoffs. He hung up his skates in 1990.

Reflecting on his five decades of government service, what events stick out most? There are many. Some were profound, others just pleasant memories.

One thing was the effect the Vietnam War had on the center. "Things really changed. The place got bigger and the personal touch

was lost."

There were physical changes as well. "I was here when they started to tear down all the old buildings. We also watched the Arch going up from the roof of Building 36.

"It was also a big deal when they opened up I-55. I lived in Florissant at the time, and that really changed things for people commuting to work here."

Another memorable event for Moran was when the American Legion held its national convention in St. Louis.

"They set up two tents in Lyon Park to serve beer and invited the folks from the Chart Plant to come over. Suffice it to say not a lot of work got accomplished that day."

Then there was the day the runaway cattle truck crashed through the North Gate and turned over right in front of Building 36. "We spent quite a lot of time that day rounding up cattle that broke loose. Not all of them made it, and fortunately the cafeteria operator didn't find out."

Of course the most monumental event experienced at DMAAC was meeting his young bride, Joanne."

They were married August 12, 1992 [no matter what the *DMA Link West* said]. Bill says they probably had one of the largest wedding receptions in St. Louis history.

"We got married at the Court House in Clayton. At that time they would hold these big festivals in the courtyard with all kinds of free food and music. [Leave it to Moran to find a way to cut costs at his own wedding.] So we probably had a thousand folks at our wedding reception. We had quite a lot of balloons and clowns, in addition to the groom."

His plans for the future? Well, at a party a couple of weeks ago to celebrate his fifty years of government service, he was already inviting people to his 75th anniversary party.

"I enjoy the people and what I'm doing, so why quit?" he says.

I guess I'll make plans to attend the party.



Moran at the St. Louis Arena during his officiating days

*Reinvention Plan Approved:*

## New DMA focuses on customers; will be organized around processes

Major General Philip Nuber, USAF, Director of DMA, announced on Feb. 9 he had approved the plan submitted by the DMA Reinvention Task Force (RTF) for a major agency reorganization. The decision follows months of effort by the RTF to shape the future DMA.

"We must continue to be responsive to the needs of our customers today [and] at the same time prepare ourselves to be ready to meet the rapidly emerging and changing customer needs of tomorrow," General Nuber commented. "I believe the recommendations of the Reinvention Task Force provide a means for DMA to accomplish that."

"Providing employees with an overview of the new DMA is my first priority," he added

The Director said he would conduct a series of town hall meetings throughout the agency, including one scheduled for Feb. 23 in St. Louis, to provide employees with an overview of the reinvention efforts. These meetings will be followed by detailed briefings to employees by members of the RTF.

The new DMA, as seen by the task force, is focused on four basic themes: 1) getting closer to the customer; 2) improving readiness; 3) becoming more responsive; and 4) organizing around processes.

The customer service strategy defines the DMA approach for providing customers what they need—when they need it. The strategy looks at customers' total operational needs rather than focus on an individual product. Customer Support Teams will be established to strengthen customer/provider relationships.

An enhanced system of management will focus on accountability and responsibility by reducing from 11 to

3 the layers between the customer and/or the Director and the individual specialist.

An executive board led by the Director and composed of senior policy makers will provide central management for the agency.

Organizationally, DMA will move from an agency built around geographic sites to one where the focus is on core production process ownership regardless of geography.

Outside the headquarters are three groups responsible for execution of the mission. They are: Operations, Acquisition and Technology, and Installation Management.

## Dr. Daugherty announces retirement

DMA Deputy Director Dr. Kenneth I. Daugherty has announced his intention to retire from Federal service at the end of March.

The agency's highest ranking member of the Senior Executive Service (Level-6) is twice recipient of the Presidential Rank Award and the Department of Defense Distinguished Service Medal.

Dr. Daugherty began his career in 1957 with one of DMA's predecessor organizations, the Air Force Aeronautical Chart and Information Center in St. Louis, holding a variety of line and staff positions. He worked on pioneering efforts to establish the role of geodetic and geophysical support for ballistic missile operations and was a member of the USAF Science Advisory Board group on geodesy and geophysics in 1967.

From 1967 to 1974, Dr. Daugherty was with the University of Hawaii as associate professor of geodesy and

All of the DMA organizations as presently structured will move into one of these organizational boxes.

Heading the new organizations are: Chief of Staff, Captain Larry Urbik, USN; Requirements and Policy Integration, William Hogan; Planning and Analysis, Tom Coghlan; Inspector General, Colonel Richard Rice, USAF; Procurement, Mort Labovitz; Comptroller, Cindy Bogner; General Counsel, Ed Obloy; Human Resources, Betty Welch; Operations Group, Earl Phillips; Acquisition and Technology Group, Roberta Lenczowski; Installation Management Group, Harold Madison.

These individuals will be responsible for the development of detailed implementation plans for their respective areas of responsibility.

All moves and appointments are subject to OSD approval.



Dr. Kenneth Daugherty

geophysics and assistant/associate director of the Hawaii Institute of Geophysics where he taught and conducted research in physical geodesy, satellite geodesy and marine geodesy and geophysics. From 1971 to 1972 he was a student and visiting scientist at the Geodetic Institute in Uppsala, Sweden.

Returning to DMA in 1974, Dr. Daugherty's career was one of continued advancement into positions of significant responsibility and demanding leadership including serving as technical director of the DMA Hydrographic/Topographic Center. He served as director of the DMA Systems Center from 1987 to 1991. Immediately prior to being named as the DMA deputy director he was the agency's first chief scientist.

An announcement of Dr. Daugherty's successor will be made following approval of DMA's nomination by the Secretary of Defense.

## DMAAC, Helen Harden Nominated for Black History Month Awards

The Aerospace Center and one of its employees have both been nominated for awards in the Seventh Annual Black History Month Awards Program sponsored by the Black Employment Program Council (BEPC) of the Federal Executive Board of St. Louis. These and other award nominations will be considered, and awards will be presented at the Black History Month Observation Training and Awards Seminar February 24 at the St. Louis Airport Marriott.

During the preceding fiscal year (FY 94), the Center's positive record of the hiring and promotion of black employees was cited, as well as a variety of activities in support of black employment and recognition, including the Center's current involvement with Dr. Roosevelt Thomas and the Partnership in Education program with the Sigel School.

Over the same 12-month period, the activities of Helen Harden RN, an occupational health nurse of the DMAAC Safety Office Dispensary (SH), were recognized in a nomination which cited both organizational and external activities.

On the job she was cited for her efforts in increasing participation of black employees in services available to them from the dispensary, and for a better procedure to schedule employees for the bloodmobile. Off the job she was recognized for her activity as a founding member of the Belleville Bible Way Church, a multi-ethnic congregation in her home community.

### Bowling News By Pat Wiese

Congratulations to Shirley Fitzgibbons for bowling an all spare game. Shirley is a member of the Roller Coaster team. She started the New Year out right. She will receive an award from the WIBC for this accomplishment.

## Striders celebrate 20 years of Groundhogs



Ready to stride (from left) are Darryl Holman, Dave Talburt, Curt Overbey, Jim Bundy, Bill Barnes, Steve Mrotek, and Denzil Hale. The first Groundhog Day Run through the Souldard district was in 1975.



Charles Guenther, former chief of the DMAAC Technical Library, is the author of a new book of selected poems, *Moving the Seasons*, just published by BkMk Press, University of Missouri-Kansas City.

This is Guenther's first book of original poems since *Phrase / Paraphrase* (poems), 1970, which was nominated for a Pulitzer prize.

One of the original Aeronautical

Chart Plant employees, he retired in 1975 after 33 years of federal service, to devote his time to teaching and his other literary pursuits.

While at the Aerospace Center, Guenther began to develop an international reputation as a poet and translator. He is the author of six books of poetry and translation, and has received awards including the Order of Merit of the Italian Republic, the James Joyce Award of the Poetry Society of America, and the French Bicentennial Medal.

He is also widely known locally as a reviewer, having written on hundreds of volumes of poetry, fiction, and criticism for the St. Louis *Post Dispatch* and *Globe-Democrat*.

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