

Redstone Rocket

VOL. 49 No. 2

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January 12, 2000

Reflecting on Redstone



A look at our history...

Army launched space exploration
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Graphic by Historical Office

Letters to the editor

Commander's letter: King Week

The Martin Luther King Jr., Federal Holiday Commission has designated the period Jan. 13-17 as "King Week." As we are all aware, Dr. King was an American clergyman and civil rights leader who worked untiringly to bring about social, political, and economic equality for all people through peaceful means.

The national theme designated by the Commission for this year's observance is "Remember, Celebrate, Act; A Day On Not A Day Off." The theme calls for each of us to remember Dr. King's work and legacy, celebrate his birthday as a national holiday,

and act on his teachings in keeping with his principles of nonviolence and human rights.

It also serves as a reminder that the holiday is not just a day off from work or school, but a day on and a time to get involved in community service initiatives.

Local observances will be held throughout the community to commemorate this great American. I encourage soldiers, civilian workers, and family members of Redstone Arsenal to join with the Huntsville community in making these events successful.

Maj. Gen. Al Sullivan
commander, AMCOM and Redstone

Lanes changing at Rideout gate

Drivers can expect a detour soon at the Rideout Road gate.

Phase I of the Rideout Road gate construction is almost finished, according to Lee Riddle, project manager in the construction division at Directorate of Public Works. The first phase is expected to be completed this week.

Phase II involves roadway pavement

widening and construction of an overhead canopy. This will require the closing of the three existing inbound lanes in the immediate vicinity of the guardhouse. In order to accomplish construction of Phase II, traffic will be routed to two temporary lanes along the newly widened section on the west side.

Drivers should expect a detour of inbound traffic beginning Jan. 18, Riddle said.

Lose those extra pounds for new year

Dump Your Plump program begins Jan. 24 at the Wellness Center

By Jim Bowne

If one of your New Year's resolutions was to get serious about losing weight, or if you just gained a few unwanted pounds over the holiday season and want to get rid of them, the Wellness Center has just the program for you. But you need to hurry because space is limited. The "Dump Your Plump" program begins Jan. 24.

"This program is a free eight-week motivational incentive program that promotes weight loss by focusing on successful exercise, nutrition, and behavior modification techniques," Bobby Taylor, Wellness Center director, said. "Ever since we first started the program, it's been one of our most popular programs."

All interested participants need to attend the orientation scheduled to be held Jan. 24 in room 2139 of building 5302 at the Sparkman Center. The orientation, scheduled for 11 a.m. to noon, will include an explanation of the program as well as information on rules and points. In addition, teams will be formed and team names will be assigned. For more information about registration, call the Wellness Center at 955-6844.

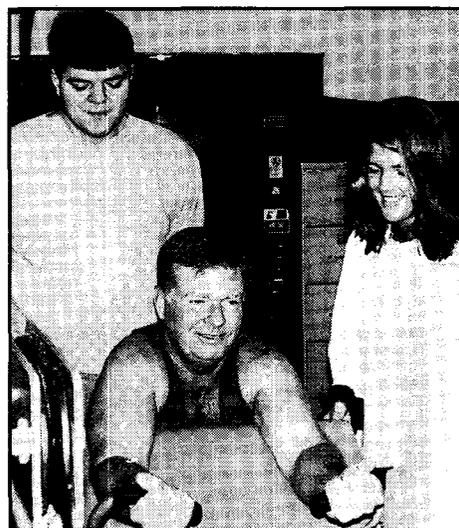


Photo by Jim Bowne

WORKOUT SESSION— Taylor, Wellness Center director, watches as Phylissa Shannon instructs John Bowles on the art of doing curls. Shannon is a member of the Center staff and Bowles is retired from civil service.

"For all those people who want to sign up," Taylor said, "it's imperative they call for an pre-assessment appointment right away. These pre-assessments must be completed before the program begins."

During the pre-assessments, registrants will have their body fat, blood pressure, See Wellness on page 16

Retirement poem

I am retiring from civil service after 39-plus years. I would like to leave this poem for my co-workers. I am currently the deputy director of the Electronic Technology Training Department of OMMCS.

As I look back upon the past,
I find that time has gone so fast.
Many ghosts still haunt the halls
Of funny stories that I recall.
Years in Hawk, I've paid my dues;
But given again, it's what I'd choose.
Two decades, I stood before the class
Teaching skills that forever last.
I've worked in jobs that really count;
Wrestling problems I couldn't surmount.
I always strove to do my best;
Pressing on to pass the test.
With a weary eye I counted my beans
To share with others on the "team."
But once I sorted them in stacks;
Some were skimmed and never came back!
But, all in all, it's been mostly good.
It provided a home, clothing and food.
Friendships were made while working here;
Friendships that survived through the years.
Now, at last, my time has come!
Time, for me to have some fun!
Time to do the "honey do's"
Time to bid you all, adieu.

Thomas A. McClure

UAH sweeps Army Cadets

With many Army fans watching, the University of Alabama-Huntsville hockey team swept the Cadets in a two-game series last weekend at the Von Braun Center arena.

UAH beat the Cadets 2-1 on Friday and 5-1 Saturday. The Chargers improved to 9-3-3 overall and 6-2-2 with 16 points for second place in College Hockey America.

On Saturday the Cadets (8-10-1, 0-4-0) were outshot 37-19 and went 0-for-5 on the power play.

Chargers freshman goalie Mark Byrne, starting in place of senior Steve Briere, made 18 saves en route to his second win.

UAH senior left wing Nathan Bowen scored his team-leading ninth goal and had an assist and Dwayne Blais, a junior center, added two assists.

Adios, fitness center

Hasta la vista, Babe. I regret to say that after five years (October 1994), I will be leaving the Sparkman Fitness Center on Jan. 19. I had made many friends from here and afar. We had talked about sports, cars, politics, etc., and we have agreed and disagreed on many things. But in all, it was fun and a learning experience for me. It didn't matter who you were, all these special moments will stay with me for a long time.

It is going to be hard leaving after so many years, but I believe it is for the best. I had worked with so many co-workers (too many to name), but I would like to thank each and every one of you for your support and kindness. I would like to thank Karen Wheatley for her patience in putting up with my crazy ways. I still don't know how she did it. I especially want to thank Gaylene Wilson. We had been together since the fitness center first opened. We both had been through a lot, both good and bad. We have seen many changes in the fitness center, both people and equipment, but it was all enjoyable. Gaylene, thank you for your patience and kindness. You are one special person. You will always have a special place in my heart.

I would also like to thank Steve Landrum, program manager, for sometimes allowing me to act a little crazy even though we disagree on certain things. But sometimes you need that little craziness to make life worth living.

Ted Compoc, sports director, thank you for your support. You have been a great help in many ways (Hawaiian power). Again I want to thank both co-workers and members, past and present, for making my stay at the fitness center an enjoyable one. It's been a great experience. I wish you all the best and may God bless.

Nestor Centeno
Sparkman Fitness Center



Photo by Dave Dieter, The Huntsville Times
SHOT GOES WIDE— UAH's Mike Funk (number 22) takes a shot against Army defenders.

Redstone Rocket

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Red soil produced moniker

Various stories spun about origin of Redstone Arsenal's name

Editors note: Mary T. Cagle served as the first historian for Redstone Arsenal. She retired in 1985 and died in 1997. This article— which appears on the AMCOM Historical website — was written in 1955.

By Mary T. Cagle

Since the inception of Redstone Arsenal, it has been a matter of recorded history that the name Redstone came from "the preponderance of red soil." This simply stated origin of Redstone's name remained undisputed and unquestioned throughout the first 14 years of its existence.

In May 1955, the Public Information Office started a study in an effort to learn more about the background history of Redstone's name. As a result of this study, several stories were published in the Redstone Rocket which painted a very colorful and interesting picture of the subject; however, some of the information contained therein was later refuted by several different authoritative sources.

One issue of the Redstone Rocket, published on June 21, 1955, featured a headline article titled "Arsenal given name by Major H. Sachs." This article contained a quoted letter from Major Sachs, which read in part as follows:

"The naming of your installation presented a specially difficult problem and I finally decided to consult then Captain

(now Lt. Col.) Jack (J. A.) Goodwin who comes from Anniston, Alabama... He stated that he knew the area well, that it was beautiful country with red rocks predominating. I also believe he stated that it is called the 'Redstone' area. Accordingly I submitted the name of "Redstone Ordnance Works," which was later changed to "Redstone Arsenal."

The next issue of the Redstone Rocket, dated June 28, 1955, featured another headline article titled "Flaming red rock gave Redstone name; surveyors found first rock in 1940 called it Redstone." This article was based on a story told by Mr. Tom Hooper, who was said to be one of the first men hired on the surveying crew. According to Mr. Hooper, the surveyors were not familiar with this territory when they arrived here in 1940, and to orient themselves they used a large, red sandstone rock as a landmark. Mr. Hooper said that "the local boys called it the 'red rock,' but the contract engineers modified the name to 'red stone,' and gradually the area became known as the 'Redstone area.'" The last paragraph of the article specifically stated that it was this rock "that gave Redstone Arsenal its name."

In addition, a photograph was published with the following caption: "ORIGINAL REDSTONE—Tom Hooper stands on the first rock called 'Redstone.' Its flaming colors served as a marker for surveyors back in 1940."

In an effort to substantiate or refute the See Name on page 5

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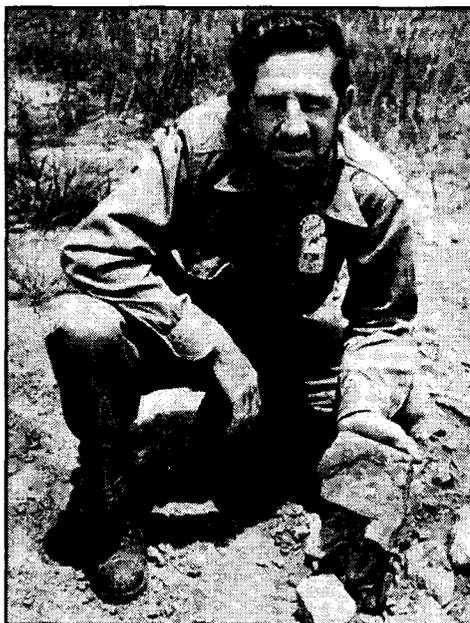
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statement that one particular sandstone rock gave Redstone its name, the Arsenal historian presented the question to Colonel Carroll D. Hudson (now retired). The following paragraphs are quoted from a letter addressed to Mrs. Mary T. Cagle, dated Dec. 1, 1955, and signed by Carroll D. Hudson:

"Major Leedy and I made several trips to Huntsville during the summer of 1941 to confer with the Arch-Engineers and the CWS which had already started construction.

"Major Leedy, Major Sachs and I were in the Ammunition Division, OCO, during this period and part of the duty of Major Sachs was to recommend names for the new Ordnance plants. I wanted the name of Redstone because of the red rock and soil in northern Alabama and Major Sachs agreed. No one else objected to the name so it became official."

Although Colonel Hudson's version of the origin of Redstone's name does not have the makings of a colorful newspaper story, it coincides with the historical record and refutes the statement that the name came from a particular sandstone rock. The writer does not doubt the existence of the sandstone rock, nor is there any doubt that such a rock was used as a landmark; however, there is reasonable doubt that this particular rock had any direct connection with the naming of Redstone. Several old-time employees were interviewed in this connection, and each of them agreed with Colonel Hudson's version. One of these was Mr.



AMCOM Historical website

ORIGINAL ROCK?— In this photo published in 1955, Hooper kneels on a rock called Redstone. He said its bright color served as a marker for surveyors back in 1940.

William H. Stevens, who was the first officer to report to Redstone for duty in October 1941 and who served at Redstone during the four succeeding years. Mr. Stevens is now a local resident. Another of these was Mr. Milton Frank, who was superintendent of Lines 1 and 2 during the same period and is now a local businessman. Other persons interviewed included Mrs. Cleo Cason, one of Redstone's oldest employees, and Mrs. Burton Stroupe who served as Colonel Hudson's secretary for many years.

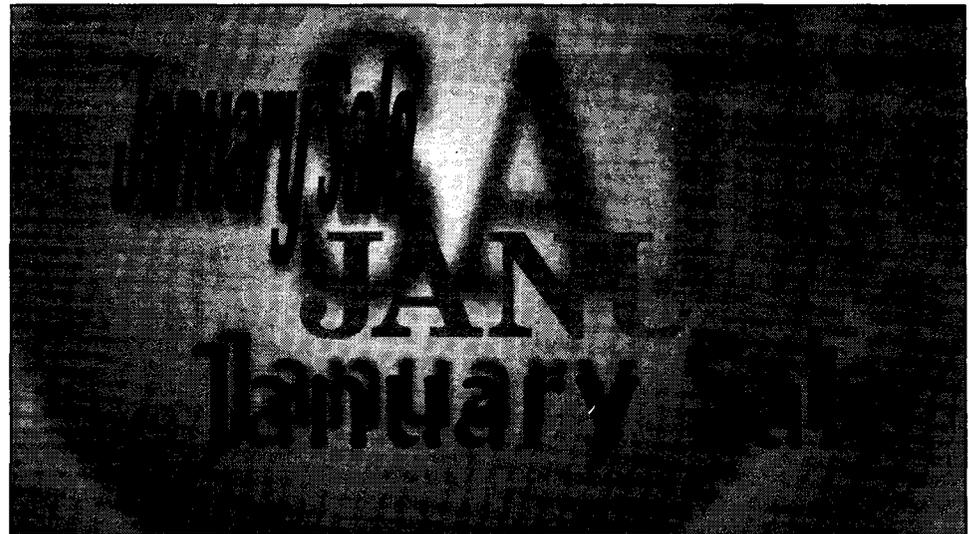


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Putting a spin on era of change

Retired spokesman recalls work force that could accomplish anything

By Skip Vaughn

No history of Redstone Arsenal would be complete without Dave Harris.

As the public affairs officer, he was the voice of Redstone Arsenal through much of its history. He retired in January 1996 with 39 years of government service, including three years in the Navy before his civil service career. Harris came to work here in July 1959.

"I always had the feeling that this was a place—and a work force—that could do anything," he said. "When you think back it's natural for your mind to think about the generals, the project managers and the key civilians. But I'm talking about the work force in its entirety."

Harris came to Redstone Arsenal from Dover, N.J., his hometown, which is close to Picatinny Arsenal. He was "a transplanted Yankee with all the northern prejudices," he said.

The work force changed dramatically through the years, Harris recalled. And he gives much credit for the advancement of women and minorities to Charles Ray, the equal employment opportunity officer.

"When I came to work here, the women typed and made coffee. And the only minority face that I saw was the guy who sold apples and soft drinks and candy bars

off a push cart. I worked up in (building) 4488 in those days and he'd come down the hall about 2 o'clock in the afternoon. And he'd have an old-fashioned horn that he'd toot," Harris said.

"And more than anybody else, Charles Ray changed that. He had a lot of help—he'd be the first to acknowledge that—but he's the guy who changed it. We're talking about fundamental change. And if you'd ask me the single biggest fundamental change that I saw in all the years that I worked here, that was it."

He was referring to the advancement of minorities and women—"and the positions of responsibility both in the number and where they worked, where they are in the workplace," he said. "You can talk about missions and accomplishments, but the single biggest fundamental change was that one."

There were the obvious physical changes to the face of Redstone—the buildings, the missions, the arrival of computers, and so on. And there were the issues, the problem areas, that surfaced as the work force adjusted to change.

"Back at the end of the '60s that I recall, there rose a great issue in the work force and the issue was could women wear pants, pants suits. We had a director, who will

See Harris on page 7

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Harris

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remain nameless, of one of the main organizations who put out an official statement that women could not wear pants suits. And it got very intense for several weeks, and the ladies won."

The women won that battle of the pants because the commanding general at the time, Ed Donley, decided he had more important things to do than deciding whether women could wear pants suits.

Harris came from an era where people typed on typewriters and made copies that left ink on their hands. Now computers are standard office hardware. "This was all magic to me," Harris said of the automation age.

When the wonders of electronics arrived, there was nearly a revolt in the work force when the finance and accounting folks decided to implement direct deposit to reduce costs. Workers were accustomed to getting their paychecks in the mail. Officials were surprised by the number of workers who didn't want their spouses to know how much money they made every two weeks.

"I guess the lesson that taught me was something that seems logical to do, you'd better explain very carefully to the work force what you're going to do and why and then listen a while to make sure it's going to fly," Harris said.

The Persian Gulf War brought a sense of vindication to members of Team Redstone when the high-tech weapons they had managed for so many years, actually worked on the battlefield. The critics of course had said the stuff wouldn't work and costs too much.

"And then overnight we went to war and the damn things worked," Harris said, "maybe

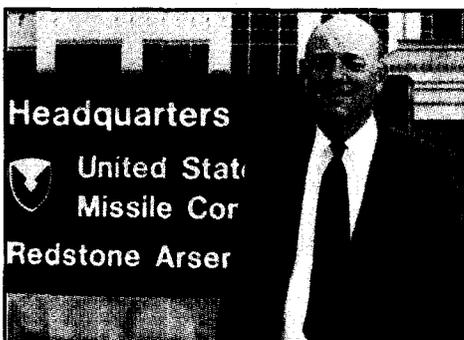


Photo by The Huntsville Times

EX-REDSTONE VOICE— Harris poses in front of the Sparkman Center around the time of his retirement in 1996.

not as well as we would've liked them to in every case, but well enough to win the war."

Harris relishes that thought, mainly because it underscores the competence of the Redstone work force. As public affairs officer he had the opportunity to meet "the worker bees" throughout the organization. He had to ask the tough questions and he got honest answers.

"You've got to have the truth, you've got to know where you are when you're responding to the press and higher authority. And this was an organization from rock bottom that dealt in the truth. That's all you got," he said.

Harris can tell you about the time he discouraged someone from making a proposal to then commanding general, Bob Moore, to build a rodeo on the field where the Sparkman Center now stands. But he has regrets from his career, too.

"Oh sure, I said about 5,000 stupid things," he said, laughing. "I can think with startling clarity of all the dumb things that I said. They come back at night in my mind, all the really dumb things that I said."



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| February 22 | 6:30 | Bob Prince | Car Wrecks |
| | 7:40 | Charles Brinkley | Insurance Law |
| February 29 | 6:30 | Mike Wisner | Wills, Estates & Taxes |
| | 7:40 | Steve Heninger | Medical Malpractice |
| March 7 | 6:30 | Phil Price | D.U.I. |
| | 7:40 | Lynn Jinks | Death and the Law |
| March 14 | 6:30 | Judge John Crawley | State of the Judiciary |
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Army launched space exploration

First U.S. satellite blasted into orbit by the Army's Jupiter C rocket

Editor's note: Information obtained for this article was retrieved from NASA's historical website.

By Sandy Riebeling

Most people, when they think about space, think NASA. While it's true that the National Aeronautics and Space Administration is currently responsible for the remarkable exploration into space and beyond, the space race began under the direction of the Army right here at Redstone Arsenal.

The Arsenal had been designated as the center for Ordnance research and development in the field of rockets in 1948, but it would be another two years before the arrival of Dr. Wernher von Braun and his team, who launched the Army into the mission of space exploration.

During World War II, von Braun was technical director at the Peenemunde Rocket Center in Germany. There he and his growing team of specialists built the famous V-2 rocket that established the technological basis for postwar experimentation with even more powerful rockets.

When von Braun and his team recognized that the war was ending and Russian troops would soon occupy Peenemunde, they decided to evacuate the rocket development site. Traveling in caravans by any number of

means, the scientists headed south, bluffing their way through German checkpoints, eventually deciding to surrender to American forces. A group of American scientists was dispatched to Europe in 1945 to collect information and equipment related to German rocket research. As a result, the components for approximately 100 V-2 ballistic missiles were recovered and shipped from Germany to White Sands Proving Grounds in New Mexico. In late 1945, more than 100 members of the von Braun team agreed to come to the United States to work under Army supervision.

Assigned to Fort Bliss, Texas, the Germans and Americans rebuilt, tested and flew the V-2 rockets previously shipped from Germany. As the 1940s closed, the Army expanded its rocket program and moved the von Braun team to Huntsville and to World War II facilities originally used to produce various chemical compounds and pyrotechnical devices. In Huntsville the Germans joined a growing cadre of U.S. rocketry specialists. Working under von Braun, the combined team built missiles to counter Soviet Cold War threats. The most famous was officially named "Redstone" in 1952, in recognition of its development at Redstone Arsenal.

In early 1958, world attention focused on the Huntsville rocket team. Earlier in the

See Jupiter on page 9

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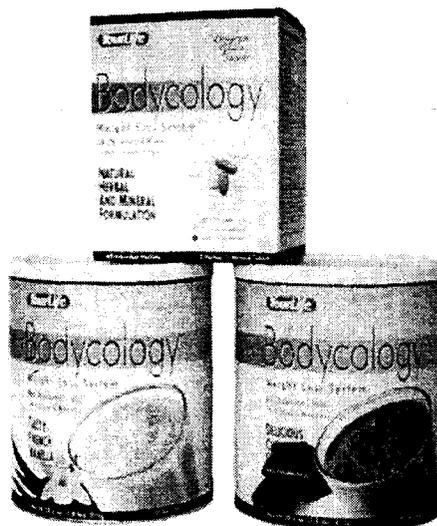
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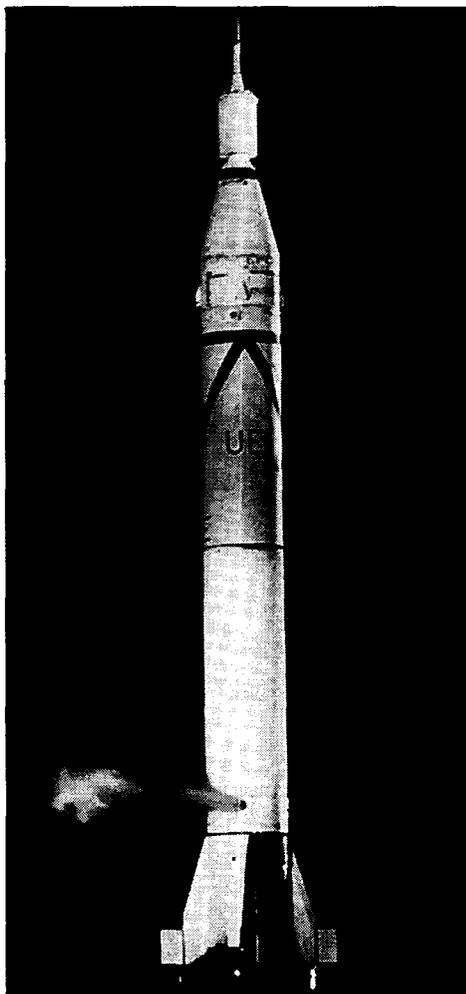
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NASA photo
THREE, TWO, ONE, LIFTOFF— Juno I, a slightly modified Jupiter-C launch vehicle, shortly before the Jan. 31, 1958 launch of America's first satellite, Explorer I. The Jupiter-C was developed by Dr. Wernher von Braun and the rocket team at Redstone Arsenal.

Jupiter

continued from page 8

decade, von Braun had proposed using a Huntsville rocket to launch an American satellite to beat the Russians into space. Instead, Eisenhower favored a Navy program called Vanguard. Then in October 1957, the Soviets launched Sputnik, the first manmade object ever to orbit the earth. The U.S. countered on Dec. 6 with an effort to launch a Vanguard rocket. Misfortune struck, however, when the rocket exploded in flames on the launch pad. Von Braun got the go-ahead from Washington, and on Jan. 31, 1958, his Huntsville team launched a modified Jupiter-C rocket from the Florida launch site. It carried Explorer I, the nation's first earth-orbiting satellite, and marked the U.S. entry in the space race.

Following Explorer I, American leadership debated over whether the U.S. space program should be administered by a military or civilian agency. The debate resulted in the creation of NASA, a civilian organization, on Oct. 1, 1958. In turn, Eisenhower later signed an executive order indicating that personnel from the Development Operations Division of the Army Ballistic Missile Agency in Huntsville should transfer to NASA.

On Sept. 8, 1960, Eisenhower formally dedicated the George C. Marshall Space Flight Center in Huntsville as a new field installation of NASA. The Huntsville location was a logical choice because the facilities for building and testing rockets and components already existed at the site. The Center resulted from the transfer in Huntsville of 4,670 Army civil service

See Jupiter on page 16

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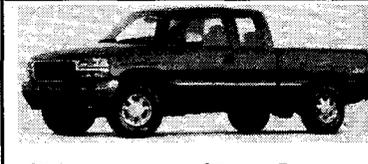
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Redstone Saddle Activity began four decades ago



Courtesy photo

RIDING TALL— Redstone Saddle Activity won the Equestrian Groups category at the WAAY All-Volunteer Christmas Parade, Dec. 4 in downtown Huntsville. From left are Jessica Hudson, Mervin Hudson and Marie Lyons.

Horse enthusiasts have been in the saddle at Redstone Arsenal since the early 1960s.

What is known today as the Redstone Saddle Activity began in 1963 as the Redstone Saddle Club. It was started by active duty personnel assigned here and in other military organizations in the Huntsville area. By 1965, there were 20 members with approximately 30 horses. The membership included active duty and retired military personnel.

The Saddle Activity is located on Overlook Road just past gate 9 on Rideout

Road which makes it a convenient location for active duty, reserve and retired military as well as DoD and NASA employees to board and ride their horses. It features 200 acres of well-tended pastures, lighted riding areas and stalls, and a variety of equipped riding and training areas for a reasonable price.

The activity is managed by the director of Outdoor Recreation for the Directorate of Community and Family Activities with health oversight and care under the auspices of the post veterinarian. For more information, call Outdoor Recreation 876-4868.

Farmland attracted Army

Good location, good price made Huntsville a prime site in '41

Editor's note: Information obtained for this article was retrieved from the Redstone Arsenal Historical website.

By Sandy Riebeling

In early 1941 the Chemical Warfare Service had only one chemical installation— Edgewood Arsenal, Md. As World War II drew closer to involving the United States, the Chief, Chemical Warfare Service needed to acquire additional capabilities to furnish an Army of 2.8 million men with necessary offensive chemical munitions.

The selection of Huntsville as the site for a CWS arsenal stemmed from a visit to the area by Maj. Gen. Walter Baker, former chief of the Chemical Warfare Service, and Lt. Col. Charles Loucks, a civilian engineer. Upon returning to Washington, they filed a 20-page report with Maj. Gen. William N. Porter, chief, Chemical Warfare Service. From nine sites surveyed, ranging from West Virginia to Missouri (Huntsville, Florence, and Tuscaloosa, Ala.; Kansas City and St. Louis, Mo.; Memphis, Tenn.; Toledo, Ohio; El Dorado, Ark.; and Charleston, W. Va.), the chief, CWS recommended the one near Huntsville, characterizing the Huntsville site as "more desirable, considering the matter as a whole, better than any other location," he cited the availability of 33,000 acres of land "reasonably priced," the excellence of transportation facilities, labor conditions, construction materials, power supply from the Tennessee Valley Authority, operating personnel and raw materials, fuel, water supply, climate, health, living conditions, and sewage disposal. The Huntsville Times announced the selection of the site on July 3 and original construction authorization for Huntsville Arsenal on July 17, 1941.

Col. Rollo C. Ditto, the first commanding officer of Huntsville Arsenal, arrived on Aug. 4, 1941, and the next day, ground was broken for initial construction. According to one chronicler, "Huntsville became a bee hive of activity but lacked the corresponding orderliness." Thousands of workers streamed into the city, which did not have the facilities to accommodate them. For the duration, the Arsenal drew about 15,000 to 20,000 additional inhabitants to the town.

Initial plans for Huntsville Arsenal stipulated 11 manufacturing plants, four chem-

ical-loading plants, plant storage, laboratories, shops, offices, a hospital, fire and police protection, a system, and utilities, including roads and railroads, necessary for the production, storage, and shipping of chemical munitions. The end result was tantamount to a complete city, which was for all practical purposes self-sufficient.

Construction was the first order of business at Huntsville Arsenal but, so fast on its heels did production follow, prodded by the pressure of war, that the two programs overlapped for almost a year.

The first funds arrived on July 24, amounting to about \$31.2 million, \$1.65 million of which was earmarked for the purchase of land. By September 1942, construction authorizations approached \$71.5 million, counting those for the Gulf Chemical Warfare Depot. Of the 32,244 acres of land comprising this tract, 7,756 acres were to be used for construction of a depot area, to be located in the extreme south portion, the Tennessee River forming the southern boundary. By mid-December 1941, plans for the project were completed.

In October 1941, groundbreaking ceremonies took place for the Redstone Ordnance Plant, constructed adjacent to the Huntsville Arsenal. Eventually, the three organizations would become one, what is now known as Redstone Arsenal.

Many and varied construction projects were in progress throughout 1942 and most of 1943. When the Corps of Engineers moved off the Arsenal, in mid-1943, it turned over to the Chemical Warfare Service the largest chemical warfare arsenal in the world. By the end World War II, the cost of all construction, including land, totaled \$63,431,925. After that, from time to time, various additions and alterations became necessary. One of these was a prisoner-of-war camp to accommodate 655 prisoners. The Corps of Engineers constructed the original camp for 250 prisoners, the remainder of the camp being completed by POW labor.

On Aug. 28, 1941, the 222nd Military Police Company arrived from Edgewood Arsenal, with a strength of 4 officers and 80 enlisted men. On April 11, 1942, the Military Police Detachment was activated at Huntsville Arsenal with a strength of one officer and 93 enlisted men.

See Farmland on page 11

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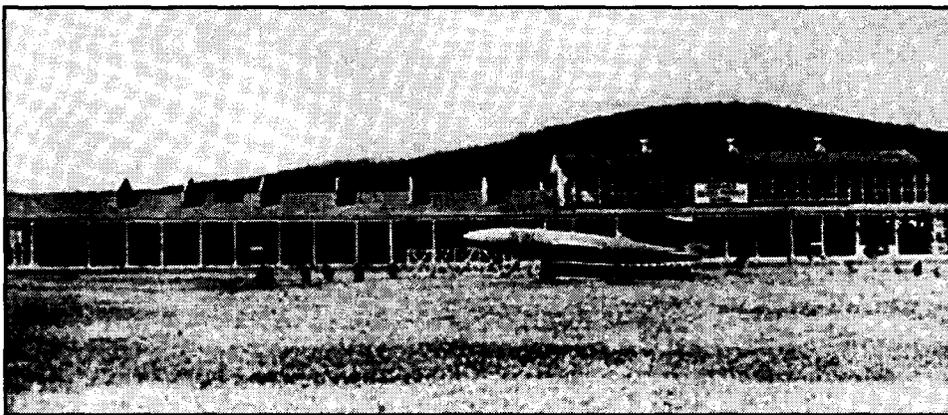
Missile school brought soldiers

Same changes as organization evolves over years but training mission continues

by Sandy Riebeling

The Ordnance Corps is as old as America, or a little older perhaps. The need for an organization solely responsible for procuring arms and ammunition to the colonists during the American Revolution was recognized by Gen. George Washington back in 1775. And ever since then, if there's a war, conflict, peacekeeping mission, or whatever you want to call it, the Ordnance Corps is there.

Since 1952, the Ordnance Missile and Munitions Center and School has been about training those soldiers. It didn't start off as OMMCS, though. When the school See OMMCS on page 12



THAT WAS THEN— This is the original headquarters of the first Ordnance school at Redstone in 1952.

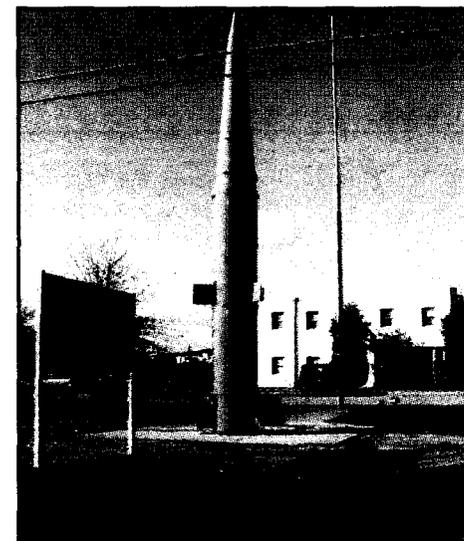


Photo by Sandy Riebeling

THIS IS NOW— Current headquarters for OMMCS, located at the north end of the post on Patton Road.

Farmland

Continued from page 10

Also on Aug. 28, 1941, a Medical Detachment of six men arrived and was assigned to the 222nd Military Police Company for administration. The first sick call on post was held in a tent on Sept. 6, 1941. Nov. 8, 1941, the first sick call was held in building T-144. The Industrial Medical Service was established in May. The first baby was born in the Station Hospital on Aug. 16, 1942. Huntsville Arsenal provided hospital facilities for Redstone Arsenal.

An innovation in the Post Exchange operation was the cultivation of a truck garden, products from which were used in the cafeteria and sold in the PX. Another venture was a pig-raising project. The PX owned 90 hogs, fed mostly by swill from kitchens. The pigs were to provide pork for the cafeterias. A farmer was employed to care for the hogs and tend the "Victory Garden." Operative during 1943 and the spring of 1944, the farm was discontinued in May 1944 as being too costly, the loss on it amounting to \$576.13.

February 1942, the Arsenal's first production emerged from a pilot line for M54 incendiary bombs set up in warehouse 642. This production continued intermittently, until April 1942, when fire destroyed the entire plant and equipment.

The Huntsville Arsenal Railroad was among the first construction work begun on the arsenal so that it could deliver heavy equipment and supplies to other construc-

tion areas. The first track was laid in September 1941. The lines to the Gulf Chemical Warfare Depot and to Redstone Arsenal were also completed in December 1941. The distance to the Depot was about six miles, and to Redstone Arsenal, about 10 miles. The complete system consisted of about 75 miles of track.

Ditto started the transportation workload at Huntsville Arsenal by bringing with him a Chevrolet passenger car, the first vehicle at the Arsenal. In April 1942, the Transportation Division was activated as a separate organization. By the end of 1943, the division had 436 vehicles, seven diesel locomotives, and about 225 cars of rolling stock.

The Arsenal's financial growth was rapid. The original operating allotment of July 12, 1941 was \$17,000, and the original allocation for the first manufacturing order was \$1 million on Oct. 5, 1941. By FY 1944, there was an allotment of \$30 million to cover manufacturing orders from the CWS, exclusive of allotments from other services or special overhead funds. Payrolls ran approximately \$1 million a month. The Finance Office paid the accounts for services and commodities of Huntsville Arsenal, the Gulf Chemical Warfare Depot, and Redstone Arsenal.

Huntsville Arsenal reached its peak of 6,707 employees in May 1944. Over 90 percent of the work force was civilian. There were some 15,000 employees on the Arsenal in January 1943, counting contractor personnel and the Area Engineer people engaged in construction. Also, the Arsenal was operating on a 24-hour basis at that time.

Huntsville, like the other CWS arsenals,

manufactured toxic agents, smoke, and incendiary materiel, and with these filled shells, grenades, pots, and bombs supplied, usually, by the Ordnance Department. The impact of V-J Day was the immediate stoppage of all production activities except certain work in the Field Equipment Repair Shop and Chlorine Plant No. 1. On Aug. 20, 1945, the Chief, Chemical Warfare Service issued instructions to put certain plants in "standby storage" and others in "standby under power."

Effective January 1947, with the discontinuance of the 9711th Technical Service Unit-Chemical Corps Detachment 2, the Gulf Chemical Depot ceased to exist as a separate organization. After that date, it was incorporated into Huntsville Arsenal, its functions

being performed by the newly established Gulf Chemical Depot Division, renamed "Activity." This was part of a general consolidation move at the Arsenal as activity decreased and personnel strength declined.

In 1948, the Huntsville Arsenal was proposed for sale but by the end of FY 1949, acting in a caretaker capacity, Redstone Arsenal assumed such functions as were necessary to provide internal security and maintain essential utilities for lessees. Of the 450 former Chemical Corps personnel retained by Redstone Arsenal, about 100 formed the Chemical Division of Redstone Arsenal to complete the disposal of surplus and salvage property and to transfer installed property in Arsenal buildings to the District Engineer for disposal action.



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Women worked line at wartime

Career opportunities increase through the Federal Women's Program and EEO

By Beth Skarupa

Women first entered the Arsenal's work force in great numbers during World War II to support the nation's war effort. Thanks to the Federal Women's Program's establishment in 1967 and the Equal Employment Opportunity's focus on women, the Arsenal continues to

benefit from the contributions of its female employees.

Looking back

Dr. Kaylene Hughes of the Historical Office described the contribution of the women Ordnance and Chemical Warfare Service workers at Redstone and Huntsville Arsenals from the beginning of production in 1942 until the end of the war in 1945 in

her publication Women at War: Redstone's World War II Female "Production Soldiers." The following historical information for that period is excerpted from Hughes' publication:

The Army's initial need for civilian employees was limited to engineers and skilled office personnel. A lack of sufficient numbers of local secretarial and clerical personnel was one of the factors that hampered the Army's efforts to hire needed personnel.

The emphasis in the first two years of production at Huntsville Arsenal was for male help of both races to do the heavy work, while white females were employed initially for production line work.

Arsenal records noted that no demand was made for large numbers of black female employees until the local labor market was exhausted of white females. The lack of "toilet facilities to take care of race distinctions peculiar to the South" was the reason given for this decision.

By May 1944, Huntsville Arsenal's need for production, maintenance, and administrative personnel had accelerated greatly. That month civilian employment at the Arsenal reached a WW II peak of 6,707 men and women. The ratio of male to female workers on Sept. 30, 1944 was 63 percent male (52 percent white and 11 percent black) and 37 percent female (26 percent white and 11 percent black).

For quite some time, the basic training at Huntsville Arsenal was of the "on-the-job" variety. The urgent need to meet wartime production quotas left little time for operating officials to seriously consider any formal training program at the installation. To acquire additional locally trained skilled labor, the Arsenal relied on technical courses offered by the University of Alabama and Auburn University. Conducted two nights a week for 12 weeks, these tuition-free "defense training courses" instructed men and women in such fields as basic accounting, structural design, mechanical and electrical maintenance, industrial management, chemistry, and engineering drawing. The first classes began in September 1941 and continued into the fall of 1943.

In April 1942, the University of Alabama offered a course in chemical laboratory techniques "for women only, who desire to qualify for jobs in defense laboratories." By August 1942, local women were being urged to take advantage of the available



Photo courtesy of Historical Office

DESK SERGEANT— Mary G. Parker of New Market joined the Redstone Guard Force in April 1943. She was the first female member to be assigned to the guard organization.

technical training to prepare themselves to replace men in the workplace who were needed for combat. Not only would women be helping themselves financially but they would be performing a patriotic service.

While some leaders only urged women to continue such traditional roles as knitting, buying bonds, stretching rationed foodstuffs, and keeping up the nation's morale, others on the home front challenged women to join the ever-growing ranks of America's "production soldiers."

The continual loss of male employees to the draft, accompanied as it was by the necessity of filling more jobs with women, impacted Huntsville Arsenal operations more than those of neighboring Redstone Arsenal. Many of the operating officials at the Chemical Warfare Service plant in 1942 opposed an increase in female hiring because the performance of women, especially black women, was an unknown quantity. The Redstone Arsenal commander, on the other hand, had publicized in February 1942 his intentions "to use women employees wherever possible" because men would be needed by the armed forces.

The first two per diem female workers at Redstone were hired on Feb. 28, 1942. By the close of December 1942, about 40 percent of the people working on the four Ordnance production lines were women. The percentage of female employees at Redstone Arsenal during 1944 averaged about 54 percent and jumped to a peak of 62 percent by September 1945.

The women who sought employment at Huntsville and Redstone arsenals during WW II had economic, patriotic, and personal reasons for working. Although most of these women defense workers certainly appreciated the opportunity to bring in

See Women on page 11

Organization evolves through years at missile school

OMMCS

continued from page 11

first opened its doors, it began as the Provisional Redstone Ordnance School with the mission to train soldiers in new missile and rocket instructional program.

It was a timely development. Wernher von Braun and his team of rocket scientists had arrived at Redstone only two years earlier, doing advance rocketry and missile research.

The first class of 18 enlisted students graduated from PROS in April 1952, after a six-week course consisting of lectures on hydraulics, instrumentation, historical background and development of guided missiles, guidance systems, physical properties of liquids, gyroscopes and a host of other technical subjects.

Most of the graduates from the first class stayed on at the school as staff and faculty, while the others traveled to the west coast for advanced instruction on certain guided missiles for the Army.

In 1953 the missile school's status was changed from provisional to permanent, now called the Ordnance Guided Missile School. In the next few years, the school concentrated on training soldiers and enlarging its facilities to meet the demand of the students. Housing was a particular problem on the Arsenal at that time.

In the early years, the school taught specific courses on the Nike-Ajax and Corporal missiles as well as a curriculum consisting of six basic courses in missile repair, guidance component repair, internal guidance systems and external guidance systems. Much of the instruction was supplemented with photographs, models and other instructional aides instead of actual missiles due to the limited facilities.

The school went through several reorganizations and expansions through the

years as more students attended and new technologies provided later and greater missiles. In 1960, it was still the only missile training facility in the entire American military system. In 1964 it had a faculty, staff and student body of more than 4,000 situated on a campus that sprawled 388 acres, utilizing more than 100 buildings. The next year the school broadened its mission to include ammunition training in management, handling and maintenance. With the new responsibilities came a new name, Missile and Munitions Center and School.

A major accomplishment for the school was earning its accreditation in 1974 by the Southern Association of Colleges and Schools, the regional accrediting agency. A final name change in 1984, included the word Ordnance, to show a closer relationship to the Army Ordnance Center and School at Aberdeen Proving Ground, Md., and a closer relationship to the Ordnance Corps.

While the name has remained the same, OMMCS, an organizational structure change in 1994 brought the 59th Ordnance Brigade to the school in order to assume most of the administrative functions, as well as for assuming the general command and control of the school. The commandant of the school is also the brigade commander, who oversees those functions assigned to the brigade.

School instruction now covers munitions management, electronic and missile maintenance, explosive ordnance devices and Test, Measurement and Diagnostic Equipment.

OMMCS detachments are located at Fort Gordon, Ga., Fort Sill, Okla., Fort Bliss, Texas, and Indian Head, Md. The detachment at Keesler Air Force Base in Mississippi moved to Redstone a few months ago.

Editor's note: Information for this article was obtained through the OMMCS historian, Bill Stubno.

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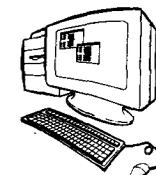


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From worst to first

Equal employment officer recounts how hiring practices changed

By Beth Skarupa

In the past 30 years, employment of minorities has improved significantly at Redstone Arsenal. Charles Ray, AMCOM's Equal Employment Opportunity officer, witnessed firsthand the implementation of that change.

"They went from the worst to what is perhaps the best. You have to respect the leadership of this command down through the years to have led it from bad to very, very good," Ray said. "This place has the highest number of high-grade minorities outside to the Washington area in the Department of Defense."

Ray first came to work as the EEO officer for the Safeguard Logistics Command (which later evolved into the Strategic Defense Command) in 1971. He was recruited to the Missile Command in 1972 as a result of a study of minority employment at Army installations in Alabama conducted that year.

The study found that black employees of MICOM and other organizations on the Arsenal had no confidence in the EEO officer's ability to provide necessary program leadership. Ray was brought in as the assistant to the EEO officer, but that officer was moved the day Ray reported for duty.

According to Ray, employment of minorities was dismal at that time. Of approximately 9,000 MICOM employees only 126 were black.

"When you see what we were and what we became you have to take off your hat to the folk who made it happen," Ray said. "The commanders and managers here found they had to change and they did change and that's what produced results. The facts say it for themselves."

Motivation

Ray explained that there was some motivation for the change because of a highway patrol suit—the state of Alabama had been sued because there had never been a black member of the Alabama State Police. A federal judge ordered that Alabama hire one black trooper for every white hired until the ratio of black troopers reached 25 percent.

"That scared the pants off Army here because they knew if a federal judge could do that they needed to look at their own hiring practices. That motivator caused us to be able to do an awful lot of things here that

changed the landscape," Ray said.

The brief filed by the Justice Department candidly stated that since Alabama's population in 1970 was 26.2 percent black, the racial mix of employees would have roughly approximated that of the state if there had been no history of systematic discrimination.

The Civil Service Commission asked the federal agencies in Alabama to provide a report of steps that had been taken or were planned to improve the civilian minority employment situation in Alabama. The Assistant Secretary of the Army then directed the "Study of Minority Employment at Army Installations in the State of Alabama."

Starting out

Ray had been a community activist who was heavily involved in civil rights. When the EEO officer he had been hired to assist was moved, Ray's position was overlaid with the military.

"Basically they were afraid of me, but this worked very well. If I'd been left to my own devices it wouldn't have gone as well because the military people who overlaid me taught me how to get things done in the Army system.

"It was a plus for the Army command but for me as well. If I had gotten mad about it, it would have been a disaster," he said. "They told me when I started that I could teach them about civil rights and equal opportunity and they would teach me what to do to get the changes implemented."

Maj. Tommy Thorne, from the Secretary of General's Staff, was the black military person assigned to the EEO. He stayed at SGS but conferred every morning with Ray on what needed to be done that day.

"I'd tell him what to do, what the plans were, and he'd tell me how to get them implemented. It afforded me a tremendous growth opportunity even though I was deprived of the grade. Looking back, it was really beneficial and the best thing that could have happened," Ray said.

Eventually the Department of the Army directed that Ray's position be "civilianized" and he was named EEO officer of MICOM.

Training

Although Maj. Gen. Edwin Donley was the commanding general when Ray first came to Redstone, Maj. Gen. Vincent Ellis took over in 1973.

"Gen. Ellis was an old general, one of

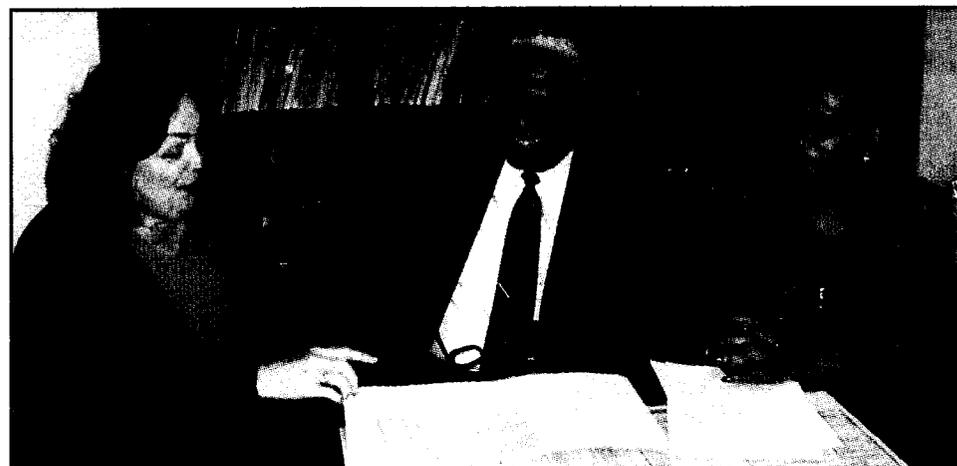


Photo by Beth Skarupa

KIDDING AROUND— From left EEO manager Becky Miller, Ray, and EEO manager Kate Love enjoy working together.

the last guys in the Army who knew anything about the rifling and barrels of guns. He had a tremendous amount of integrity and was committed to change.

"We had a conference and he knew he could not from his ivory tower get much change done by ordering it. He said 'I want you to find training for my managers, they must be taught that change is the right thing to do.'

"So me and the military captain who was in charge of race relations at the time started a search for appropriate training and we found Charles King of the Urban Crisis Center in Atlanta," Ray said.

Ray admitted that although he and the captain thought that the training offered by King was fantastic, they were uncertain as to whether Ellis wanted to go that far. So they set up three pilot training sessions locally and Ellis and his staff went through the first one.

"The captain and I sat outside that training room very anxious until the first break. We were afraid the general was going to come out and kill us," Ray laughed. "But when he came out on break he came straight over to us and said he wanted all 750 managers and supervisors to go through a session."

Ray explained that the training was very harsh for the first four hours and then there was a healing period and a comparison and then the tone changed completely the second day of training session.

"We had managers coming out of those sessions who'd raised hell not to go and they'd praise it," he said.

Ray believes this training was instrumental in implementing change.

"I doubt we would have been able to move forward as fast as we did without that training. Gen. Ellis wanted a team approach

and we couldn't have done that if those people had not been trained.

"He wanted to trouble their waters and to explain to them why change should occur and to debunk the myths that they had been told about blacks," Ray said.

Stepping back

Ray explained that although the training produced results, the change was not sudden. They had to take time to look at what had happened up to that point and figure out where to go from there. Maj. Gen. George Turnmeyer became Redstone's commanding general after Ellis left in 1975.

"That was a period of cooling off and trying to get a structure in place to build on it ... many activities were taking place to try to institutionalize the effort so they didn't have to have people watching everything all the time," Ray said.

Maj. Gen. Louis Rachmeler came after Turnmeyer and during that time they started to look at individual actions to make sure people were not being passed over. According to Ray, that continued into the administration of Maj. Gen. Grayson Tate Jr.

"The greatest amount of progress occurred under Maj. Gen. Robert L. Moore who came after Tate. He was totally committed to EEO and he required that EEO be institutionalized at this institution.

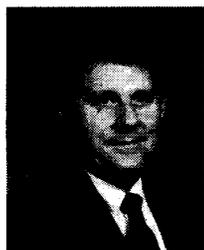
"Of course, if it had not been for the groundwork that was instituted from Ellis to Tate that requirement would not have worked," Ray said. "By that time all our managers understood what he meant when he said it. While we had been looking at it from the top down, he made us look at it from the bottom up."

Progress

Up until that point, the top managers had

See EEO on page 15

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Dr. Gene Corfman

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Women's employment opportunities increase through years

Women

(Continued from page 12)

money to help support their families, it was the desire to contribute to the national war effort that gave these "soldiers of production" the incentive to work hard and long at their assigned tasks.

The first jobs that women were given at Redstone and Huntsville arsenals were administrative or lighter production tasks. The Ordnance installation advertised for "minor engineering aides" in January 1942, a position that involved testing and inspecting various metallic materials, mechanical parts, castings, assemblies, and components for Ordnance materials.

"Chemical plant workers," according to a 1942 local news report, were to "be paid good wages in line with their particular jobs." Stacey Posey, a former Huntsville Arsenal employee, recalled that entry level female production workers earned \$3.60 a day. Men at the plant were paid more than the women. She also remembered that the Army paid higher wages for certain jobs deemed to be more hazardous, although women workers in those areas still earned less. For example, men who worked in mustard gas production were paid \$5.76 daily, while women were paid \$4.40.

The principle of "equal pay for equal work," adopted by the War Labor Board in 1942, was subsequently implemented at both arsenals as part of the basic War Department philosophy of wage administration. This concept was particularly important as women assumed more positions in defense production formerly considered to be within the exclusive domain of men.

Women-only crews, supervised by men, were not unusual at Redstone Arsenal even in 1942. By 1943, a woman supervisor and her "all-girl crew of 15" at Huntsville Arsenal assembled smoke pots and acquired a reputation for being "one of the most efficient crews at the arsenal. They [were] usually ahead on production requirements and [were] never known to fall behind."

The overwhelming success of the women "soldiers of production" at Redstone and Huntsville arsenals is substantiated by the fact that the Ordnance

installation won the Army-Navy "E" Award five times during WW II, while the chemical manufacturing plant won the coveted award four times for its outstanding record in the production of war equipment.

After the establishment of the various women's military groups, several younger women workers at both Huntsville installations elected to join the volunteer organizations. Those women choosing to join-up were commended by their fellow workers. Women Army Corps (WAC) members also worked at both arsenals. The first WAC assigned to Redstone arrived March 29, 1944 to assist in Signal Corps work.

During WW II, a total of five women were killed while on duty, three at Huntsville Arsenal and two at Redstone. Numerous others were hurt seriously, many of whom returned to work once their injuries had healed.

Problems addressed

Officials at both Army installations in Huntsville recognized the problems faced daily by many of their female employees and sought to address commonplace issues. Counseling services were provided to male and female workers through the employee relations offices at both installations. Huntsville Arsenal also hired a registered nurse to deal with problems hampering the productivity of individual employees. She even traveled to the homes of absent workers to ascertain that any illness keeping personnel off the job was being treated properly.

Army officials offered practical assistance by locating and even building affordable housing; finding needed transportation; convincing local shopkeepers to extend their business hours; and trying to solve the most pressing need, that of adequate day care for workers' children. The Redstone Arsenal commander tried for two years to obtain funding for a nursery school. However, this project was not approved until 1945, when the number of women employees no longer justified the expenditure of funds for this service.

To keep up the morale of all their workers, Army officials sponsored special after-hours social events such as picnics, barbecues, dinners, and dances. Special awards ceremonies were held so that employees could be a part of the recognition given to the production successes enjoyed by both

arsenals. An important aspect of the morale boosting program was organized sports. Teams for men and women were formed for such activities as softball, basketball, tennis and bowling.

With the successful conclusion of the war in Europe in May 1945 and the cessation of fighting in the Pacific in August, the need for munitions production abruptly ceased. Redstone Arsenal implemented its first reduction-in-force in June 1945, when about 200 employees were terminated as a "result of adjustments in production schedules." The majority of those terminated were black women. By the end of October 1945, all of the Ordnance lines had been shut down and the number of female production employees was reduced to zero.

On May 10, 1994, the Missile Command honored the WW II women defense workers of the Redstone Arsenal complex by renaming the former military recreational area for Easter Posey, the first woman killed in the line of duty on April 21, 1942. The plaque unveiled during the memorialization ceremony reads, "Dedicated to the Women Workers of Redstone and Huntsville Arsenals Who Gave Their Lives in Service to Their Country." Huntsville's women "soldiers of production" are a permanent part of Redstone's installation history.

The Federal Women's Program was established in 1967 for the purpose of improving employment and advancement opportunities for women in the federal service.

In November 1977 a FWP Committee was established at this command to provide advice and assistance to the FWP manager and other EEO officials in carrying out responsibilities to provide a viable FWP specifically focused to the needs of women. This was and still is a chartered committee which is representative of the work force by occupations and grades. The AMCOM commander appoints the committee. Yearly goals are identified which include mentoring programs and monitoring the progression of women in the work force.

The first FWP manager was Arleta Martin, followed by Cathy Gant and Bonnie Kilgore. The current FWP manager is Becky Miller.

Miller first came to Redstone as the medical board and physical evaluation board liaison at Fox Army Hospital in 1965. She left that position to stay home with her children until they were ready to enter school.

She then worked for in the Civilian Personnel Office in recruitment and placement for more than two years, then moved to the Equal Employment Opportunity

office as a secretary in 1978.

"I think back then is when they began to look at (women's employment) and if something was amiss they tried to fix it. The FWP committee made people more aware of what was happening in the workplace, it brought a little more attention to it and it set goals.

"I think the encouragement in terms of training programs, mentoring, and the monitoring programs like long-term programming that monitor and ensure opportunities and encouragement has been instrumental in changes being instituted," Miller said.

Miller explained that although she ran into some resistance in implementing change during her career, she found that the managers were generally cooperative and would get on board once she explained programs to them.

"After all, it enhanced their mission to have happy employees," Miller said. "Also, there's a responsibility on both sides. People have to let their managers know that they are interested in moving up into positions and they have to show that they are capable and willing or the opportunity may pass them by."

As of Sept. 30, 1970, some 2,158 women were employed in General Schedule positions, or 24.6 percent of all MICOM GS employees were women. Of this number, 52.4 percent were employed in clerical, stenographic or secretarial positions at grades GS-1 through GS-5, for a total of 1,132 women in the lowest paying positions.

Opportunity now

As of Sept. 30, 1999, some 2,408 women were employed out of the total work force, or 39.3 percent of AMCOM employees were women. There was an increase in percentages of women in the higher grades from 1997 despite draw-downs.

"Even though our numbers have dropped at times, we have maintained positions or progressed into vacancies when men retired. If you look at the numbers, you see that those higher grades have increased.

"Probably mentoring and monitoring opportunities are our biggest challenge for the future. We don't have the push on affirmative action that we once had. The system of monitoring is different than we've had in past years, or our focus is different. Because of the times, there are not as many outside hires and positions that are available. Our focus now is toward getting people into more developmental assignments and having training opportunities," Miller said.

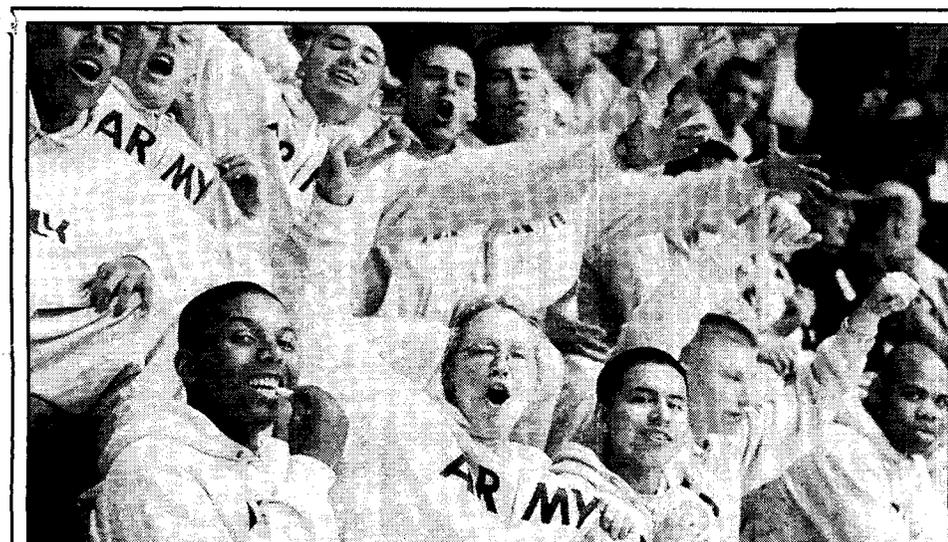


Photo by Faye Yates/RASA

Hooah...

Members of the 832nd Ordnance Battalion root for the Cadets during the Army vs. University of Alabama-Huntsville hockey game Friday at the Von Braun Center. The UAH Chargers won 2-1 and swept the two-game series by beating the Cadets 5-1 on Saturday.

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Original Maypole and barbecue pit remain

Soldatenstube restaurant grew out of old German air force club

By Skip Vaughn

It used to be a gathering place for German servicemembers and their guests. Others needed an invitation to visit.

The old German club eventually became the Soldatenstube, in a larger trailer. This German restaurant is open to everyone.

"The name Soldatenstube actually is Soldiers Lounge. That's the German word for it which was given to it by the German air force contingent who originally opened it," Robert Schumann, the Soldatenstube manager, said.

Apparently the Lutheran churches in the area got together in 1972 and donated a single wide trailer to the German air force battalion here which had about 250 members. The tornado of April 1974 leveled the first single wide trailer, so they came up with a double wide trailer. The German battalion operated the double wide until 1993 when that unit moved to Fort Bliss, Texas. The Germans turned the trailer over to the Morale, Welfare and Recreation system.

"The MWR took it over and I think operated it for about six months. At that point, they decided it was probably a fire hazard and decided to bring in a new building, which is how we



Photo by Skip Vaughn

LUNCH GUESTS— From left Tom and Janet Kane have lunch with Audrey and Gran Gutteresen, their friends from Minnesota.

got this modular triple wide. So we went (from single, double, triple," Schumann said.

The Soldatenstube, which opened on Oct. 1, 1994, has two items remaining from the old German club. The old Maypole, with the German air force insignia, is still out front. And the old barbecue pit also remains.

The old German club was "almost treated like an embassy," Schumann said. "A lot of our current customers will come and tell us what it was like when they were invited to the old German club. It was almost a privilege."

Now the doors are open to everyone at this annex of the Officers' and Civilians' Club. The

Soldatenstube is open Thursday for lunch from 10:30 a.m. to 1 p.m. Dinner is Thursday, Friday and Saturday. Wednesday brings all-you-can-eat buffet night.

"We are on a reservation system (for dinner) and we take our reservations for 5:30 to 8:30 (p.m.)," Schumann said. The phone number is 881-5181 or, after hours, 830-2582.

The Soldatenstube, on Gray Road, averages 350 people for lunch and from 130-150 for dinner. "The Wednesday night buffet is still in its infancy (since September) and we're trying to get the word out on it," Schumann said.

Prices for entrees range from \$7.95 to

\$13.50. The Wednesday night buffet is \$11.95. Schnitzel is the showcase item on the menu, and there is a variety of sausages.

"We try to keep the atmosphere as friendly and as true to the attitude of a German guest house as we can," Schumann, the manager since January 1999, said. "There's a theme to a German guest house. You keep the décor simple and the prices very reasonable, but at the same time provide huge portions. Our reputation is built primarily on our schnitzels. They average between 12 and 14 ounces. Other German restaurants in the area serve more like an 8 ounce schnitzel. So essentially, what I'm trying to say is you're paying for the food, not a matted picture on the wall."

A sun room, added last April, provided 42 more seats and brought the seating capacity to 150.

"We do have two goals that we're looking at for our facility," Schumann said. "We see a better, expanded parking lot in our future and an upgraded expanded kitchen."

Staff members include chef Egbert Martin, chef's assistant Mike Dunphy and servers Helene Cantrell, Sieglinde Perry and Julie Yuenger.

Audrey Gutteresen and her husband, Gran, were among those eating lunch at the Soldatenstube last Thursday. "We're from Minnesota, from St. Paul. And every time we come (to Huntsville), we have to come here and have our fix," she said. "We love it!"

EEO

continued from page 14

been trained then sent back to their organizations to "watch their minions" and monitor them, according to Ray.

"Gen. Moore said 'I want a plan of action that bubbles up from the supervisors.' You see, the supervisors know who is going to die, who is going to live, who is planning to retire and what vacancies are going to come up.

"They knew better than anybody how to project what we can do," Ray said. "So we needed an Affirmative Action plan that started at the bottom supervisors and then it became the responsibility of each supervisor up the chain to take responsibility for the supervisors below."

Ray pointed out that this also reduced the number of people that his office had to monitor and that Moore had to "grab by the collar." It became a real affirmative action plan that was negotiated at every level from the bottom up.

"Gen. Moore took responsibility for making sure at the directorate level that the message

and action was being taken. It was during that time that we surpassed our goal," Ray said.

An elaborate affirmative action plan evolved with eight areas checked by the EEO office including training and promotion. Each manager had to fill out an eight-page plan that said what he was going to do in each of the areas. The EEO office created a computer model and punched in the numbers when the managers reported what they had accomplished at the end of each quarter.

"It was the mere threat that somebody was going to know. It was a tremendous motivator," Ray said.

According to Ray, the numbers from the census established the EEO Affirmative Action plan's goals. But the jobs they had to fill were not those that all the population could do. So they concentrated on development of skills and recruitment.

"We decided that we would not be able to change the demography, so we started recruiting on college campuses. We knew we could not meet the goal, so we had to grow our own through the Army Materiel

Command intern program, the Vietnam era vet program and various kinds of upper mobility programs not only to get people in but up in their positions as well."

Ray explained that during the 1970s they concentrated on getting people in, while during the 1980s they concentrated on getting people up in their careers. Once they reached their goal, the EEO office and the command's leadership backed off and let the system work.

"It has worked well for us. Of course you can find unhappy people, but we look at the big picture. Do we mirror the demography and what is the average grade of blacks as compared to whites?" Ray said.

Now there is little or no difference between the average grade level of minorities and the white population at AMCOM, according to Ray.

"I think it reflects that overall things are on an even keel," he said. "I'm sure there are pockets and places here where some things are still going on, but there is a complaint system in place for them and investigators come in from the outside to investigate now."

Although he has seen a tremendous amount of change, Ray admitted that he does not have high hopes for the future as he looks back from the end of a career in EEO.

"All during this period of time there was a dialogue and shared understanding to know where people are coming from, but that dialogue is no longer there. Now there are just screaming contests ... the Civil Rights Act never had real teeth in it. It was just a method to negotiate and persuade people to take another look."

Ray commented that the attacks during the 1980s on affirmative action are quite disturbing to him. He explained that the 1991 amendment to the 1964 act also makes it very clear that there shall be no requirement for affirmative action and that establishing goals based on the civilian labor force is a thing of the past.

"The paper tiger that I have always known was there is not even a pussy cat now and the managers here who received training in the 1970s are retiring," Ray said. "I'm at the end of a career. Now I don't have high hopes."

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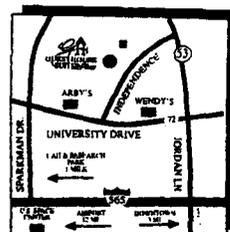
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Yesterday not so far away

Munitions training deputy revisits past, looks to future

By Beth Skarupa

Paul Michaels is a self-proclaimed history buff who first came to Redstone Arsenal in 1965 as an ammunition instructor for what was then the Ordnance Guided Missile School. Currently the munitions training department deputy director, he enjoys reminiscing about his early days at Redstone and the Arsenal's past.

"I used to wonder if I would be around in the year 2000. Now that it's here, it does seem strange. But to me the future looks bright. Of course, now people can ask you 'what was it like living back in the 1900s?'" Michaels laughed.

A high school history teacher before entering the Army, Michaels served at Aberdeen Proving Ground, Md., before Redstone.

"I was caught in the transfer of the ammunition training mission from the Ordnance school at Aberdeen to OGMS at Redstone. The rationale at the time was that at OGMS there was always a radical swing in student inputs ... when a system was new, there were radical increases in the number of students but as the system was fielded the numbers greatly decreased," he said. "Rationale was that the transfer would add stability to the student load at OGMS." Michaels joined the Army because of the draft. He said he wanted to control his own destiny as best he could and that he wanted to serve as an officer.

Since his arrival at the Arsenal, Michaels has worked as both a conventional ammunition instructor and a nuclear weapons instructor in both the enlisted and officer departments. He also worked in the Directorate of Training Development and in the Directorate of Evaluation and Standards.

Michaels explained that both of the directorates he worked for no longer exist, as they were "victims of downsizing." He has seen many changes at the Arsenal in the past 34 years both in the physical layout of the installation and in the working environment.

"When I first got here, there was a big housing area down in Farley called Redstone Park of course, and they still had all the Quonset huts called Tin City. They were doing basic electrical training there since Toftoy was not built yet.

"Academic Row was built in the early 1960s I think, while Toftoy Hall was not built until about 1967-68. That's why it is not on Academic Row. The school was founded in 1951 or '52 I think," he said.

According to AMCOM historian Mike Baker's book Redstone Arsenal: Yesterday and Today, Redstone Arsenal was approved as the site for guided missile courses in February 1951.

Redstone's commanding officer officially established the Provisional Redstone Ordnance School on March 3, 1952. However, the Arsenal lost jurisdiction over the school on Dec. 1, 1952 when the present-day Ordnance Missile and Munitions Center and School was established as the Ordnance Guided Missile School.

Michaels remembers when the Redstone Arsenal installation headquarters were on Redstone Road in an old wooden building with white columns across from Rocket Auditorium.

"When I pulled duty officer on Redstone—even though I was a lieutenant at the school, I still had to pull officer of the day duty for Redstone Arsenal—the cot to spend the night was in that building and the teletypes for the weather reports were there, too.

See Michaels on page 20

Retired chief engineer liked Redstone's unique environment

By Skip Vaughn

Four decades ago Dick Rhoades had no intention of becoming a civil servant. Redstone changed his mind.

Dr. Rhoades retired in 1997 as associate director for systems at the Research Development and Engineering Center. His government career spanned 34 years, including two as a soldier.

In 1963 he came to Redstone as a soldier after basic training at Aberdeen Proving Ground, Md. He had been in ROTC and had a deferred entry so he could attend graduate school. He was hired at Eastman Kodak along the way.

He completed his graduate work at Rensselaer Polytechnic Institute in Troy, N.Y. After arriving here, he had no plans of staying or becoming a government employee.

"I found the environment of the government to be unique," Rhoades said. "In

Huntsville the relationship with the military is just a wonderful aspect you don't get anywhere else.

"The government work force had an awful lot of pride in what it was doing here because it was doing important things. So you had good people from all over the country who were really doing an awful lot of good and put a lot of pride in it."

Rhoades, 61, retired in October 1997 as the command's chief engineer. The 10 years before that, he had served as the associate director for technology and previously was the director of propulsion.

Now the Northampton, Mass., native is a professor at the University of Alabama-Huntsville and director of the UA's research institute, doing a lot of weapon system assessment work for the Army.

"It's been a fascinating place to work," Rhoades said of Redstone. "It still is. I'm still involved with some of the system programs."

Annual international panel invites MLRS presenter

Jimmie Pittman, chief of the MLRS Project Office Acquisition Logistics Branch, received a special invitation by the University of Exeter in Exeter, England to make a presentation at the ninth annual International Symposium for System Operational Effectiveness Symposium.

The symposium was sponsored by the University of Exeter's Mirce Akademy for System Operational Sciences Dec. 1-3, 1999. The topic of her presentation "A Maintenance Solution to O&S Cost Reduction" highlighted her efforts in applying Value Engineering (VE) to influence system design, reduce O&S costs, enhance maintainability, and reliability for the MLRS M270A1 launcher.

Pittman was assigned as the deputy

product manager for the M270A1 at the time of this effort and worked directly for Lt. Col. Steve Kreider, the M270A1 product manager, MLRS Project Office. Pittman's work was recognized as an outstanding Value Engineering effort for 1998 and was presented at the Army's second annual Modernization Through Spares Conference in Washington, D.C. and also at the 14th International Logistics Congress in Sun City, South Africa. Her paper and presentation have been a huge success and as a result received a special invitation from the University of Exeter to present her work to a distinguished body of international engineers and logisticians. (MLRS Project Office release)

Jupiter

continued from page 9

employees and 1,840 acres of Redstone Arsenal property and facilities worth \$100 million. Von Braun was the Center's first director.

The Army's successful satellite launch was but the first in a series of achievements that furthered the nation's space effort. In the 30 months between the successful satel-

lite launch and the formal transfer of the space program to Marshall, the Army placed four earth satellites into orbit; launched the free world's first lunar probe and first solar satellite; launched three primates into space, two of which were recovered alive; initiated effort on a 1.5 million-pound thrust booster being designed for a lunar exploration vehicle; and began work on the launch vehicle which would carry the first men into space.

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Wellness

continued from page 2

heart rate, and weight measured by qualified Wellness Center personnel.

The Dump Your Plump program has a number of objectives. Perhaps the most important one is to promote safe and gradual weight loss. Other objectives include promoting aerobic exercise as an integral part of lifestyle habits, increasing individual awareness in the role of nutrition and exercise in the management of body fat and body weight, and encouraging individual healthy lifestyle beyond the length of the contest.

"During the times we've offered this program, we've had a lot of people enroll simply because it provides an activity that is healthy, educational and fun," Taylor said. "We've also had participants in this program—those who have com-

pleted the eight weeks and continued the program on their own—lose up to 100 pounds."

Besides promising to be a lot of fun, the Dump Your Plump program will feature prizes, team competition, weekly newsletters, required daily aerobic exercise, and weight loss goals.

"We want everyone to have fun and enjoy themselves," Taylor said. "Since the class is limited to 60 participants, we'll divide them up into five-member teams. Each team will designate its own captain and a Wellness Center employee will be assigned as a co-captain on each team. We've found that the participants seem to enjoy a little friendly competition. Competition is a great motivational tool."

The Dump Your Plump class generally fills up quickly. Reserve your place today for this fun way to lose weight and get healthy. To enroll, call the Wellness Center at 955-6844.

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Announcements

Sports & Recreation

Triathletes

The Spring City Triathletes will hold its January meeting at 6:30 p.m. Monday at Logan's Roadhouse. Scheduled speaker is Mark Noble of PRISM. Everybody interested is invited. Please go to the far left into the private room after entering. For more information, call Bob Mulkey 883-7399.

Ducks unlimited

The Redstone Arsenal Chapter of Ducks Unlimited will hold its annual membership banquet Jan. 28 at the Rustic Lodge. There will be large selection of live and silent auction items available and numerous raffles. Ducks Unlimited is committed to the preservation and reconstitution of North American wetlands and waterfowl conservation. Current members as well as prospective members interested in supporting this organization are encouraged to attend. The Redstone Arsenal Chapter is also in need of volunteers to assist with the planning and execution of this event. For more information, call Derek Jackson 534-9216 or Maj. Dave Johnson 842-6504.

Miscellaneous

Education committee

The Army Community Service (ACS) Education Committee serves as a liaison between the Redstone Arsenal community and the Huntsville City Schools. It meets monthly (during the school year) with representatives from the area schools. Any parent interested in the educational needs of their child is invited to attend. The next meeting is noon Jan. 19 in the ACS conference room, building 3491. This meeting is open to everyone. It is helpful to call in advance concerning problem areas that need to be put on the agenda. For more information, call Ann Cooper 876-5397.

Future scientists

Applications are available for the Science and Engineering Apprentice Program for high school students and the College Apprentice Program. The distribution point of contact for applications is the senior counselor at public, private and parochial high schools. Possible career placement areas at the Aviation and Missile Command include physics, chemistry, computer science, engineering and mathematics. The Science and Engineering Apprentice

Program is for students who have demonstrated aptitude interest in science and engineering courses and careers. Eligible students must be U.S. citizens who are at least age 15 by the beginning date of the program, June 15. The College Apprentice Program is for undergraduate students who have completed the SEAP and are enrolled in a scientific or technical major. Besides school counselors, applications are also available from the Management Employee Relations and Training Branch, Betty Duke, in building 5303, at 313-4790 or Jerrel McCollum 842-8850.

Office professionals

The Redstone Arsenal Chapter of International Association of Office Professionals (IAAP) will have its monthly meeting at 11 a.m. Tuesday at the Redstone Officers' and Civilians' Club. Membership is open to all government employed office professionals. For more information, call Jackie Kenner 876-8131.

Weight control program

For military beneficiaries: Did you make weight management one of your New Year's Resolutions? Well, Fox Army Health Center is here to help you with your goal. Starting Jan. 18, the weight control program, "A Lifetime of Weight Control and Fitness" is being offered. Unlike diet programs that typically fail and make us "fatter," this program has proven success. This program is a nutrition education program as well as a weight control program. Be advised, you will not lose weight quickly. Instead, you will begin making permanent, realistic changes in your eating and exercise habits—changes that will become a natural part of your lifestyle. It may take six months, a year, or more to reach your personal goals, but you will maintain them for a lifetime. Past participants have rated the program as excellent and stated "the program is wonderful," and "I am eating healthier and determined to continue a regiment of exercise." Classes are scheduled from noon to 1:30 p.m. on Tuesdays, Jan. 18 to April 18. To register call the Public Health and Education Center 842-0196.

Merit awards

The Officer and Civilian Women's Club will present one or more Merit Awards to eligible graduating high school seniors who plan to attend an accredited college or vocational school and to undergraduate or graduate students who are enrolled in a college and working toward a degree. Applicants must be family members of active duty, retired, reserve, or deceased commissioned

or warrant officers. All applicants just submit a photo-copy of a valid military identification card with the completed application. Their primary residence must be with parents or parent residing in the Huntsville area. Students on a fully paid scholarship or who have previously received this award are not eligible to apply. Merit award applications are also available for spouses of active duty, retired, reserve, or deceased commissioned or warrant officers who have been accepted or are attending an accredited college or university as an undergraduate or graduate student. All applicants must hold a valid military identification card and their primary residence must be in the Huntsville area. Previous recipients of this award are not eligible to apply. The deadline to apply for merit awards is March 7. Applications can be obtained by written request to Linda Butler, merit awards chairman, 49 Ripley Drive, Redstone Arsenal 35808. Include your phone number and the type of merit award you are applying for (i.e. high school, college or spouse) on all requests.

Tax assistance volunteers

Redstone Arsenal's Tax Assistance Program is looking for volunteers to help military retirees and family members file their personal tax forms. Volunteers must complete a training class scheduled Jan. 10-14 from 9 a.m. to 4:30 p.m. Following the successful completion of the class, volunteers will be called upon to volunteer at the Tax Assistance Center which opens Feb 1. To register for the class or receive further information, call Capt. Chin-Zen Plotner 876-9005.

Unity breakfast

The Delta Lambda Chapter of Alpha Phi Alpha Fraternity Inc. of Huntsville will sponsor its 15th annual Martin Luther King Jr. Unity Breakfast at 8 a.m. Monday at the Von Braun Center. This event is one of the many celebrations honoring the Martin Luther King National Holiday. This year's theme is "Remember, Celebrate! Act! A Day On, Not a Day Off." The scheduled speaker is the Rev. Dr. Walter Malone, pastor, Canaan Baptist Church, Louisville, Ky. For more information, call Kirby Stevenson 772-4974 or 353-4613.

Space Camp scholarships

Each year Army Community Service awards scholarships to attend a week of Space Camp, Space Academy, and Aviation Challenge. These scholarships are funded through contributions of organizations related to the military community. If your

organization is interested in funding a scholarship and you have not previously been contacted, call Donna Scofield 876-5397 or Alice Mockensturm 830-5373 by Jan. 31.

Resource managers

The American Society of Military Comptrollers luncheon will be held at 11:30 a.m. Thursday at Trinity Personal Growth Center, Airport Road. Bill Graveline, assistant director of Huntsville GAO, is to speak on "What do you want to know about GAO?" Cost is \$9 for members and \$10 for non-members. For reservations call Janet Siersma 955-3890.

Communicators group

Universal Communicators, International Training in Communication, will meet 4:45-6:30 p.m. Thursday at building 5681 (PEO Aviation), conference room 125. For more information, call Janice Isbell 313-4216.

Kwajalein jobs

Space and Missile Defense Command, Kwajalein Atoll, Marshall Islands has the following vacancies which have already been announced or will be announced soon on the web at www.cpol.army.mil. Filling of these positions will be restricted to current permanent federal employees or reinstatement eligible. These positions are two-year accompanied tours; require overseas physical and security clearance: GS 801-14 supervisory general engineer, to be announced; GS 2001-12 general supply specialist 00C0395BR, closing date Jan. 21; GS 1670-12 equipment specialist (general) 00C0359BR, closing Jan. 17; and GS 1173-12 housing manager, DA ACCES. For more information, call Paula Brumlow 955-3301.

Dump your plump

The Wellness Center is holding an eight-week motivational incentive program promoting weight loss beginning Jan. 25. The program is free but participants must complete a pre-assessment prior to registration. There are limited spaces available. Participants can expect a program that features fun and prizes, required daily aerobic exercise, competitions, weekly newsletters, and more. For more information, call the Wellness Center 955-6844.

Union meeting

NFFE Local 405 will meet today at noon at the union office, building 3209 on Hercules Road. For more information, call 313-2252. The union will move to building 3467 on Vincent Road tentatively Jan. 19.

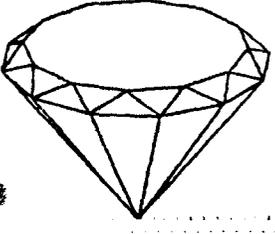
See Announcements on page 18



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Announcements

King birthday contests

OMMCS/59th Ordnance Brigade and AMCOM are holding an essay contest and static display contest in observance of Dr. Martin Luther King's birthday observance, Jan. 17. Essays on this year's theme—"Remember! Celebrate! Act! A Day On, Not a Day Off!"—are due by close of business Thursday. They can be faxed to either Bernard Collier 876-8947 (voice 876-9233) or SFC Quesenberry 842-6853 (voice 876-9224). Plaques will be awarded for the top two essays. To participate in the unit/departments static display contest, call Collier or Quesenberry to give the location and point of contact. Static displays should be in place by close of business Thursday for the judging Friday. Trophies will be awarded for the top three displays.

Aviation conference

The Army Aviation Association of America (AAAA) and AMCOM will hold the Worldwide Aviation Logistics Conference and Product Support Symposium during the week of Feb. 21 at the Sparkman Center. The conference is Feb. 22-23 and the symposium is Feb. 24. For more information, call Pat Hopkins 313-2066 or Kimberly Daniel of AEPCO Inc. 464-9191.

Power night

The Master's Commission from Calvary Assembly of God church in Decatur will present a "Power Night" program tonight at 7 at the Post Theater, building 3712 on the corner of Patton Road and Aerobee. The program consists of human videos, power feats, devotionals, testimonies and illustrated songs. The Ordnance Missile Munitions Center and School Unit Ministry Team invites you to come and enjoy this dynamic and powerful program. Admission is free, but a designated offering will be taken. For more information, call 842-0799.

Thrift shop move

The Thrift Shop is having a clearance sale today through Friday before moving to building 3209 on Hercules Road. Consignments will be taken at the new location Feb. 2-4 on a walk-in basis from 9 a.m. until noon only. The store will reopen for sales at its new location Feb. 16. All dates are subject to change. Watch the Rocket or call 881-6915 for future updates.

Thrift shop job

The Thrift Shop has an opening for assistant manager. Applications can be picked up at the following locations: Thrift Shop, building 3657 on Army TACMS Road, 881-6992; or Army Community Service, building 3491 on Honest John Road, 876-5397.

PX news

The Post Exchange will operate with the following hours on Martin Luther King Jr. Day, Jan. 17: Main Store, 10 a.m. to 6 p.m.; Anthony's, 11 a.m. to 5 p.m.; Concessions, closed; Mall Barber Shop, 10 a.m. to 5 p.m.; Furniture Store, closed; One-Stop Goss Road, 10 a.m. to 6 p.m.; Service Station, closed; Burger King, 11 a.m. to 5 p.m.; Military Clothing, closed; and Barber Shop, building 3479, closed.

Young Marines

The Young Marines of North Alabama will hold a Spring Boot Camp beginning Feb. 10. Young Marines, founded in 1958, has been operational in Huntsville since 1995. Recruit training will be held one night a week for 13 weeks. Recruits will complete an intensive course of training in citizenship, drug abuse prevention, close order drill and physical fitness. Young Marines stress academic achievement, service to others, devotion to God, country, community and family. Young Marines is open to boys and girls ages 8-17. Parent's Orientation will be held at 6 p.m. Jan. 27 and Feb. 3 at the Marine Corps Reserve Training Center, 3506 South Memorial Parkway. For more information, call Amy Wisdom 536-2054 or Sgt. Vern Gohanna 337-0441.

Sergeants major

The Sergeants Major Association will hold its monthly meeting from 6:30-7:30 in the morning Jan. 20 at the Radisson Suite Hotel on South Memorial Parkway. For more information, call Sgt. Maj. Marvin Whitted 842-2879.

Financial readiness training

Financial readiness training for first-term soldiers will begin in February. This training is mandatory for all first-term soldiers. Other military and family members who are interested in increasing money management skills are invited to attend on a space available basis. This training will be held 8 a.m. to noon Feb. 7-11 in building 3447. The training includes eight lessons: principles of personal finance, planning and budgeting, banking and checking accounts, credit, insurance, savings and investing, large purchases, and consumer scams and getting ripped-off. To register for this class, call Army Community Service 876-5468.

MWR membership

Morale, Welfare and Recreation will unveil two new membership programs 4-6 p.m. Thursday at the Officers' and Civilians' Club. Everyone affiliated with Redstone Arsenal is invited. For more information call Mil White, MWR membership services representative, 830-9175 or Sales & Marketing 955-7399.

Logistics symposium

The Logistics Support Activity (LOGSA) and International Society of Logistics (SOLE) will hold the Year 2000 Department of the Army Integrated Logistics Support Symposium, Feb. 1-3 at Sparkman Auditorium. This is a key forum for Army acquisition logistics professionals. The symposium is open to all government and contractor personnel. Attendees will earn 20 Defense Acquisition Workforce Continuous Learning points. Register today to avoid delays at the start of the symposium. For more information, call 772-4810.

Garden plots

Due to the ongoing construction of new family housing, the Wesson Circle, Area 2, garden plots cannot be utilized. All personnel desiring garden plots for the year 2000 planting season must utilize the Vincent Drive (Area 1) plots. There are only 54 garden plots available in this area. Consequently, there may not be enough to accommodate everyone's request. The procedures for requesting and assigning garden plots will be the same. Priorities have been established to better serve all interested personnel. First priority: active duty military, must request their plots between Feb. 15 and March 1. Second priority: retired military, must make their requests March 2-16. Third priority: DoD civilians, must make their requests March 17-31. If there are any plots left after this time, assignments will be first come, first serve. Unfortunately, due to the limited number of plots available, only one plot will be assigned per family until after March 31.

Frequent flyer policy

The Army has revised its policy on frequent flyer mileage credits. This change prohibits the redemption of mileage credits for accommodation upgrades if credits can continue to accrue to qualify for a free ticket. There are three exceptions to the rule: first, credits can be used to obtain accommodation upgrades when paid upgrades would have independently been authorized in accordance with JFTR or JTR; second, when the mileage credits can

only be used for accommodation upgrades; or third, mileage credits are about to expire and would otherwise go unused. In these instances and in lieu of allowing the credits to expire, mileage credits may be redeemed for an accommodation upgrade but only if they can be used first to obtain free travel. Frequent flyer credit/tickets earned as a result of the expenditure of appropriated funds for official travel remain the property of the U.S. government and will not be used in conjunction with non-government/personal travel.

Videotape series

Today, the Army Learning Center will resume its monthly video series. January's Change Management Series, kicks off with Taking Charge of Change. As technology, global competition and work force diversity combine to cause sweeping change in organizational philosophies, change management becomes a new and critically needed skill for most people. When making strategic changes, it would be helpful if organizations are sensitive to the psychological effects of change upon people—and people need to see change not as a threat but as an opportunity for personal growth and new beginnings. It teaches the skills for letting go of yesterday's comfortable ways while embracing change and moving into the future with attitudes that can increase productivity. The videotape will run continuously from 10:30 a.m. to 12:30 p.m. in the side section of the Sparkman Cafeteria. The Army Learning Center resources, located in building 5304, third floor, are available for all Team Redstone personnel. Hours of operation are Monday through Thursday from 7:30 a.m. to 4:30 p.m., and Friday 7:30-4. For more information, call 876-1061.

Fox Health Center

Fox Army Health Center will be on holiday hours Jan. 17. All clinics and Pharmacy will be closed, with the exception of the Evening Weekend Clinic. Evening Weekend Clinic hours are 10 a.m. to 2 p.m. To schedule same day urgent appointments, call the Advice Nurse at 955-8888 or 1-800-223-9531. Advice Nurses are available 24 hours a day, year-round.

ARMY MERIT PROMOTION ANNOUNCEMENTS REDSTONE ARSENAL AND THE HUNTSVILLE AREA

These announcements provided by the AMCOM CPAC can be found on the web at www.cpol.army.mil. This list includes announcements that opened prior to Friday before Rocket publication date and close on/after the publication date. Other announcements that are open to all U.S. citizens can be found at www.opm.gov

| PVA NUMBER | POSITION TITLE | CLOSES | LOCATION | PP-SERIES | GRADE | POT |
|------------|--------------------------|-----------|----------------------|-----------|-------|-----|
| 00C0374FM | Logistics Mgmt. Spec. | 14-Jan-00 | LOGSA | GS-0346 | 11 | 11 |
| DE995232 | USAR Unit Administrator | 16-Jan-00 | Huntsville Units | GS-0303 | 7 | 7 |
| DEU00332 | USAR Unit Administrator | 16-Jan-00 | Huntsville Units | GS-0303 | 7 | 7 |
| HA99A2909 | Admin. Support Assist.OA | 18-Jan-00 | Cof E Huntsville Ctr | GS-0303 | 5 | 7 |
| 00D0399DB | Security Spec. (OA) | 18-Jan-00 | AMCOM ISD | GS-0080 | 11 | 11 |
| 00D0400DB | Mgmt. Assistant | 18-Jan-00 | AMCOM ISD | GS-0344 | 7 | 7 |
| 00D0402DB | Security Specialist | 18-Jan-00 | USAOMMCS | GS-0080 | 7 | 11 |
| 00D0401DB | Budget Analyst | 18-Jan-00 | AMCOM ISD | GS-0560 | 11 | 11 |
| 00D0302BJ | General Engineer | 18-Jan-00 | PEO Tact. Missiles | GS-0801 | 14 | 14 |
| 00C0334BR | Traffic Mgmt. Spec. | 19-Jan-00 | SMDC | GS-2130 | 12 | 12 |
| 00C0315RC | Traffic Mgmt. Specialist | 19-Jan-00 | AMCOM IMMC | GS-2130 | 12 | 12 |
| NC068200CS | Intelligence Specialist | 19-Jan-00 | 902D Mil. Intell. | GS-0132 | 13 | 13 |
| 00C0355RC | Traffic Mgmt. Spec. | 19-Jan-00 | AMCOM IMMC | GS-2130 | 12 | 12 |
| 00D039WT | Supv. Computer Spec. | 20-Jan-00 | AMCOM CIC | GS-0334 | 14 | 14 |
| 00D0406WT | Engr. Data Mgmt. Spec. | 20-Jan-00 | AMCOM CIC | GS-0301 | 13 | 13 |
| 00B0331ACA | Product Manager | 21-Jan-00 | PEO Air Missile | GS-0340 | 14 | 14 |
| 00C0389RC | Envir. Protection Spec. | 21-Jan-00 | RASA | GS-0028 | 11 | 11 |
| 00C0445FM | Personnel Assist. (OA) | 21-Jan-00 | AMCOM CPAC | GS-0203 | 6 | 6 |
| 00C0443FM | Personnel Mgmt. Spec. | 21-Jan-00 | AMCOM CPAC | GS-0201 | 7 | 9 |
| 00C0444FM | Personnel Mgmt. Spec. | 21-Jan-00 | AMCOM CPAC | GS-0201 | 7 | 9 |
| 00D0390BL | General Engineer | 23-Jan-00 | AMCOM DASO | GS-0801 | 14 | 14 |
| 00C0298BR | Attorney Advisor (Gen.) | 24-Jan-00 | SMDC | GS-0905 | 12 | 12 |
| 00D0424WT | Supv. Engr. Data Mgmt Sp | 5-Feb-00 | AMCOM CIC | GS-0301 | 15 | 15 |
| NC08699 | Criminal Investigator | 13-Apr-00 | CID | GS-1811 | 9-12 | 12 |



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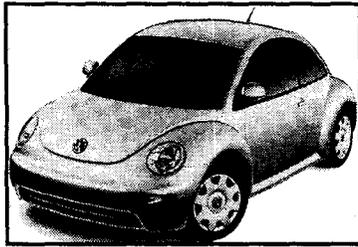
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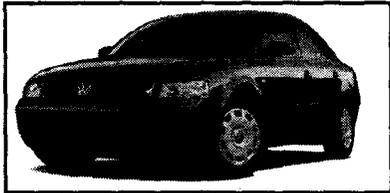
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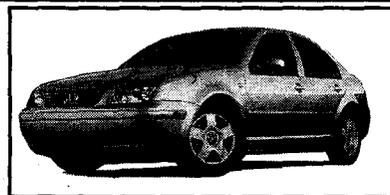
Starting at... **\$299** mo.



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Most appealing sporty car as ranked by J.D. Power and Associates

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History buff recalls early days as an instructor

Michaels

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"I'd have to go to building 5250— what was then MICOM headquarters — to check all the classified messages. Phone traffic had to be confirmed in writing with teletypes since we had no faxes at that time, but mostly they were just routine messages," he said.

"My most rewarding position has been being an instructor at the school. It's better than being a supervisor. You know when you've had a good class because you can feel it, and you know when you've had a poor one, too. Now I teach very rarely, only if I go into a class as a guest speaker or something."

Even early on as an instructor, Michaels saw many women arriving as soldiers. He believes this has been very successful for the Army. He said he sees no reason why women can't serve anywhere.

"The office environment has changed for the better since I first started. There are more women in management positions and I think the Army has taken a role in pioneering that," he said. "I think downsizing of the civilian work force has hurt women in management though. The newer ones with the least seniority paid the price."

Michaels said the Army had a missile park on the west side of Patton Road between Bob Wallace and Drake that was open to the public. There were three air-filled globes that housed some of the Army's museum and one was painted as a globe of the world. They had ammunition displays as well as missile displays there.

"I'd say the Arsenal is prettier today than it was back then. I attribute that to the Army Community of Excellence programs of the early 1980s," Michaels said. "That's when all the Bradford pears were planted on Vincent Road and in other places. They're really only looking pretty now as they've gotten bigger. That was a good investment."

Redstone Arsenal was originally two installations, Huntsville Arsenal and Redstone Arsenal. The first involved ordnance loading while the second involved chemical loading plants.

"Ammunition was loaded with chemical fillers which were mostly mustard and blister agents — we didn't have nerve agents. In fact, they'll never dig up nerve agents here because they were never produced here," Michaels said. "Redstone Arsenal was out of that business before the United States ever started producing them."

According to Michaels, in the early 1970s to about 1985 live agent training outdoors was done either monthly or quarterly at Redstone Arsenal. Although the Arsenal stored miniscule quantities of live agents, training was done because the installation had the responsibility to train the forces regardless.

The live agent training involved all the Arsenal's emergency response forces from



Photo by Beth Skarup

LOOKING FORWARD— Michaels, right discusses his schedule with secretary Judy Jones.

Fox Army Hospital, Explosive Ordnance Disposal, Technical Escort division, the fire department, the public affairs office and others.

"It was a lot of fun," Michaels said. Now he is in a supervisory role over the school's Technical Escort division's training for chemical incidents or accidents.

Looking back at events that occurred in the history of Redstone Arsenal, Michaels believes that people do not give the Army enough credit.

"Even the Saturn 5 rocket started as an Army project. The people involved went to bed as Army and woke up as NASA. Only with the Kennedy administration did the space program become a reality. People don't realize that," he said.

Recent changes such as MICOM becoming AMCOM are viewed positively by Michaels, although he does have some concerns.

"We were glad to see the St. Louis people come. The only thing I lament is that this installation owes a big debt to the Army and the school. The Missile Command was first the Ordnance Missile Command. The way the acquisition corporate structure is today, we seem to be getting fewer and fewer Ordnance officers into acquisitions.

"We get aviation officers now mostly and that's fine. But my concern is will we ever have Ordnance officers again? After all, Toftoy, Medaris and Zierdt were all Ordnance officers," Michaels said.

Although he enjoys looking back at the Arsenal's past, Michaels sees a bright future ahead for Redstone as well.

"The main thing is that the Sparkman Center bodes well for the future and the Army's commitment to Huntsville. I predict we will continue to grow, even in bad times because we're apt to have growth at the expense of other installations.

"It's a win-win situation for us," he said. "My opinion is that it has to do a lot with a favorable climate here, not only meteorologically but economically and politically as well. It's a favorable climate all the way around."

When asked if he has enjoyed his time here Michaels responded, "I've loved it. I would do it again in a heartbeat. I grew up about 40 miles away from Boston and my mother still lives there. But I love it here."