



# VANGUARD



## VIRGINIA AIR NATIONAL GUARD

VOLUME XXV NO 6

BYRD IAP, SANDSTON, VIRGINIA 23150

JUNE 1981

### Local AFA Chapter To Honor Unit

The Richmond Chapter of the Air Force Association will hold a dinner meeting saluting the VaANG at the Ramada Inn-Airport on Saturday, June 6, at 6: P.M. Members of the unit will be on hand along with AFA state leaders and state and local officials for what promises to be a gala evening. Spouses and other guests are most welcome.

Guest of honor will be Lt Gen Larry D. Welsh, who on 1 June will take command of the Ninth Air Force at Shaw Air Force Base, S.C. Ninth



**LT GEN LARRY D. Welsh**

Air Force is the military parent command of the 192d. Gen Welsh currently serves as Deputy Chief of Staff Operations at Langley AFB. A former F-84F pilot, he flew combat missions over Southeast Asia, and has accumulated more than 4,500 flying hours.

Reservations should be made with Charles B. Reynolds, Secretary of the Richmond Chapter at 264-8410 before 9: P.M., 3 June deadline. Cost for the dinner is \$12.25 per person which includes all taxes and tips.

### JUNE UTA

**Sat - 0800**

**Sun - 0700**



Paul S. Tribble, Jr., 1st Congressional District Representative is shown flanked by Colonel Alvah S. Mattox, Jr., Group Commander, and Recruiter TSG Benson Gardner, as they leave the flight line during a walking tour of base facilities.

### F-16 To Selected Guard Units, Says Congressman Tribble

Congressman Paul S. Tribble, Jr., of the 1st Congressional District visited the 192d Tactical Fighter Group on May 15, 1981. The Congressman was greeted by the Chief of Staff, Col Claude F. Heath and Col Alvah S. Mattox, Jr., Group Commander.

After briefings by BG William E. Haymea, Ass't AG for Air, Col Heath and Col Mattox, the Congressman toured the Operations, Flight Line, Maintenance, and Administrative sections.

Congressman Tribble presented the Air Force Commendation Medal to three members during an assembly of unit personnel. The award recipients, TSG Benson Gardner, MSG Thomas C. Paige, and MSG Charlie W. Udriet are all Air Guard Recruiters and were awarded the Commendation Medal for Outstanding Achievements as Recruiters during the period 1 Oct 78 to 30 Sep 79. Congressman Tribble praised these Air Guard Recruiters for helping keep the Air Guard at full strength in regards to manpower.

The Congressman then gave a short address recognizing the role of the Air National Guard in the national defense. He stated that a major purchase of the F-16 has occurred and some of these fighters would go directly from the factory to selected Air Guard Units.



Congressman Paul S. Tribble, Jr., during his recent visit presents awards to (L-R) MSG Thomas Paige, TSG Benson Gardner, and MSG Charlie Udriet for outstanding recruiting achievements. The recipients have contributed full manning strength to the 192TFG over the past three years. (See related story, Page 3)

You really belong in the Air Guard.



**UTA SUNDAY  
CHAPEL ACTIVITIES**

Sunday 0830 - General Protestant  
1300 - Mormon  
1400 - Catholic Mass

**Tribute To A People  
And A Nation**

After 204 years, the maker of the first "Old Glory" remains a mystery. The most popular legend, which maintains that Boston seamstress Betsy Ross sewed the first Stars and Stripes in June 1777, at the request of a committee headed by George Washington, has never been documented and is dismissed by most historians.

Another account gives credit to Francis Hopkinson, a signer of the Declaration of Independence. Hopkinson claimed that he designed the flag and in 1781 asked Congress to reimburse him for his services. Congress did not.

Although the first Stars and Stripes appeared in various forms, for the most part it had been standardized by the end of the Revolutionary War in 1781.

After the war, a star and a stripe were added for each state that joined the Union. Fearing the flag would become too cluttered, Congress



in 1818 reset the number of stripes at 13--representing the original 13 states--and ordered that a star be added for each state joining the Union.

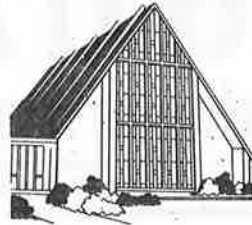
Two centuries later, the Stars and Stripes has come to symbolize more than just a union of 50 states. Today it symbolizes the will and spirit of the people and this nation. It symbolizes the nation's commitment to the principles of freedom and democracy. Fly the flag on June 14 and throughout Flag Week, June 14-21.

**Memorial Fund**

Persons interested in contributing to the James Gunter Memorial Fund may send their donations to:

\*\*Association of Graduates of the USAF Academy  
USAFA, Colorado 80840

Please make checks payable to the "James Gunter Memorial Fund".



Your Chaplain is available to you and your family 24 hours a day. Do not hesitate to call him if you think he can help or assist you in any way. His telephone numbers are: "A"-389, "C"-66, or 737-0635 (Home) and 737-1527 (Church).

**Social Actions Stress  
Human Goal Achievement**

By CAPT ANDREW WILLIS

Air National Guard personnel have a responsibility to affirm and maintain standards of behavior that support human goals and positive intergroup relations. References for these goals are AFR 30-1, ANGR 30-2 and our base level commander's policy on Equal Opportunity.

The intent of these references, as pertains to human goals, is reflected through the statement "Discrimination--by act or by inference--against military personnel or their dependents, on or off base will not be tolerated". In practice within the Air National Guard the achievement of human goals is addressed through affirmative management actions.

Our Affirmative Action Plan uses the management system to determine progress toward achievement of human goals. Each affirmative action objective gives commanders and functional managers a better defined measurement tool to highlight results and problems.

In the use of our Affirmative Action Plan four standards are addressed: Equal Opportunity, Equal Treatment, Equal Representation and Equal Selection. What is our definition of these standards?

**\*\*EQUAL OPPORTUNITY--**Positive controls to insure that the participation and potential for success of individual VaANG members in all facets of ANG life is not inhibited because of their race, color, sex, religion, national origin, or age.

**\*\*EQUAL TREATMENT--**Positive controls to insure that the treatment of individual VaANG members in all facets of ANG life is fair and just, and not based on considerations of race, color, sex, religion, national origin, or age.

**UTA Menu**

LUNCH

6 JUNE 1981

OVEN	GIBLET
FRIED CHICKEN	GRAVY
WHIPPED	BUTTERED
POTATOES	GREEN PEAS
****SALAD BAR****	
ASSORTED DRESSINGS	
BREAD	BUTTER
BUTTERSCOTCH PUDDING/COCONUT	
COFFEE	MILK
	ICE TEA
	*****

LUNCH

7 JUNE 1981

CORNED BEEF	CABBAGE
BUTTERED CARROTS	BOILED POTATOES
****SALAD BAR****	
ASSORTED DRESSINGS	
CORN BREAD	BUTTER
	JELLO WITH FRUIT
COLD DRINK	COFFEE

**\*\*EQUAL REPRESENTATION--**Positive actions to insure that the opportunity exists for the minority population of the VaANG to keep pace with the minority representation, but not limited to the minority percentage from which the force is drawn.

**\*\*EQUAL SELECTION--**Positive controls to insure that there is no consistent difference between the selection rates of the majority and the selection rates of a distinguishable group of non-majority VaANG members which can be attributed to their characteristics of race, color, sex, religion, or national origin.

The Social Actions Office can answer any questions you may have on these standards. Social Actions is located in the Administrative Annex Building, Ext 435.

The VANGUARD is an official monthly newspaper published by and for the personnel of the 192d Tactical Fighter Group, Virginia Air National Guard, Byrd IAP, Sandston, Virginia.

The opinions expressed herein do not necessarily represent those of the Adjutant General of Virginia or the Virginia Air National Guard.

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Captain Max Maxfield and Major William Crawford are shown going over flight plans and preflight checks prior to take-off for participation in exercise Solid Shield. The group, labeled as "The Aggressors", joined the Army, Navy, Marines and Air Force in one of the largest annually scheduled joint exercises. Due to inclement weather, the 149th flew only half of the mission requirements, closing out an era of unprecedented performance in the F105 as a close air support aircraft.

## A Recruiter's Job Is Demanding, Yet Rewarding

Have you ever sat back and wondered about that recruiter who got you into the Guard? Have you ever thought about what the recruiter has to go through before he can enlist you into this unit? Have you ever thought about being a recruiter?

To become a good recruiter takes a great deal of work, many long hours, and a lot of sacrifice. His training begins with a four week training school at Lackland AFB, TX. The course covers three main topics: Salesmanship, time management, and public speaking. There is much work for these trainees during this period, and this was clearly stated by MSG Mike Duke when he said that this is a pressurized school. In MSG Duke's class, seven trainees did not make the grade. There have been reports that other recruiting classes have had a higher percentage of failures.

Once the recruiter finishes this school, his work has really just begun. He comes back to the unit, or in some cases, a particular recruiting area, with a sense of enthusiasm that is almost unbelievable. The "we want you" that is seen on some recruiting posters is now in the minds and thoughts of these recruiters.

Many long hours are put in by our recruiters. A normal eight to five day is quite uncommon. In addition, the recruiters are called to set up displays at various shopping malls and hold speaking engagements at various civic clubs and organizations promoting the Air National

Guard and its mission in our Country's defense. Such displays were recently done at Cloverleaf Mall in South Richmond, and at Fort Lee on Armed Forces Day. The recruiters also participate in career days at the local high schools, explaining the Air Guard's mission and its benefits.

The long hours being away from home and family in the evenings and giving up their weekends to promote the Air National Guard are just some of the sacrifices that these recruiters make. Yet the rewards are vividly shown, not only in the awards which they have received, but by the joint efforts of MSG Charlie Udriet, MSG "Satch" Paige, MSG Mike Duke, and TSG Ben Gardner to have this unit at 100% of its total strength. This, in itself is rewarding to know.



Richmond Chapter 243  
**AIR FORCE ASSOCIATION**  
 P.O. Box 8703, Richmond, Va, 23230  
 An Independent Non-Profit Aerospace Organization

The following message was sent to all Major Commands and Separate Operating Agencies by General Lew Allen, Jr., USAF, Chief of Staff.

1. Since 1946, the Air Force Association (AFA) has strived to increase public awareness of the vital defense role played by the Air Force and Air Force people.

2. The Association's activities focus on numerous Air Force issues that range from force modernization to recruiting and retention. AFA also supports the Air Force on matters such as pay, housing, medical care, retirement and other entitlements. In each of these areas, AFA works to benefit the entire Air Force family—military and civilian members; regular, reserve and Air National Guard forces; retirees, dependents and student affiliates.

3. AFA is conducting its annual membership drive now. Individual membership in AFA is completely voluntary and authorized by the Department of Defense. I urge all Air Force members to learn more about this independent, non-profit organization and to consider the benefits of joining the Air Force Association.

\*\*\*\*\*

As you can see from his letter, General Allen fully supports the Air Force Association because he believes you can make a difference. You can make America more secure. You can make the Air Force stronger and improve the attractiveness of Air Guard service. You can be an effective spokesman for American aerospace power.

But you can't do it alone, and that's the magic of membership in the Air Force Association. It links you with others who believe in American strength and freedom. It brings focus to our collective concerns and provides a powerful, united voice in support of needed improvements in our national defense ...and in Air Force life in general.

Make an investment in your own future. Join the Air Force Association and make a difference!

For further information contact Senior Enlisted Advisor CMS Herbert L. Buttner (347) or local AFA Chapter President LTC George W. Davis, Jr., (424/425).

# PROMOTIONS



Our congratulations go to the following personnel who were promoted to the grades indicated during the month of May.

149TH TACTICAL FIGHTER SQUADRON  
SSG KEENER, DALE W.

- 192D CAMRON  
MSG ROGERS, KENNETH A.  
TSG HUXTABLE, STEPHEN L.  
TSG JOHNSON, OWEN H.  
TSG KEENE, CHARLES W.  
TSG SEAY, ROBERT L.  
SSG CROCKETT, MICHAEL R.  
SSG TAYLOR, TERRELL P. JR  
SRA MELTON, DAVID P.

192D COMBAT SUPPORT SQUADRON  
SSG HARRIS, LARRY D.  
AIC NICHOLSON, SANDRA L.

192D TAC CLINIC  
SSG McDOWELL, JAMES A.  
SRA DeLEO, DENISE W.

192D CIVIL ENGINEERING FLIGHT  
TSG BENSON, DAVID W.  
AIC WEST, ALVIN L.

192D WEAPONS SYSTEM SECURITY FLIGHT  
SSG STURGES, TIMOTHY C.

# ENLISTMENTS

The following personnel were enlisted into the Virginia Air National Guard during the month of May.

192D CAMRON  
SGT GRUBER, PETER B.

192D COMBAT SUPPORT SQUADRON  
SGT HUGHES, CHARLES E. JR

**A strong unit  
is up to you.**

## Senior Enlisted Advisor Military, Political Figures Enlighten Enlisted Association Convention

By CMSgt HERBERT BUTTNER

The annual convention of the Virginia Army/Air National Guard Enlisted Association was held 24-26 April 1981 at the Sheraton Inn, Harrisonburg, Va.

The activities started with a social and pig roast on Friday night which was enjoyed by all. A business meeting was held Saturday from 0830 to 1600 with The Adjutant General, MG William J. McCaddin and BG Richard L. Vaughan as guest speakers. Saturday evenings entertainment consisted of a cocktail party, a poolside banquet with Virginia State Senator Nathan Miller as guest speaker, followed by a military ball. It can be safely said that a good time was had by all. The convention activities was concluded with a Bloody Mary cocktail party at poolside Sunday morning.

Those attending from the Air National Guard were Chief Skeeter Glenn, Chief Jack Sandford, Chief Herb Buttner, and Senior Master Sergeant Joe Germain.

For those unfamiliar with the Enlisted Association a recap of its

purposes is stated below:

\*\*To enhance the prestige, morale and well-being of enlisted members.

\*\*To facilitate the exchange of ideas and the solution of problems relating to enlisted members.

\*\*To provide a method for individuals to proposed resolutions which can be acted on to improve the National Guard.

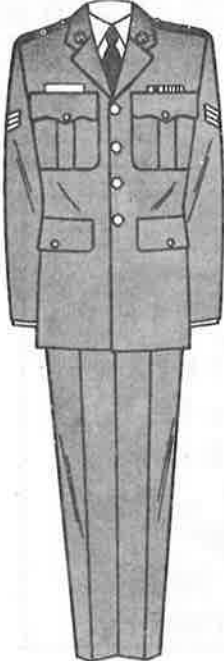
\*\*To encourage and provide a vehicle for fraternal and social activities for enlisted members.

\*\*To promote and support adequate and National security.


The Virginia Air National Guard currently has 51 members in the association or 6% of the enlisted force. Dues are \$5.00 per year with life membership available. Chief Skeeter Glenn is the VaANG area representative and has application forms for those interested.

The 1982 convention will be held in Richmond during the last weekend in April. It will be sponsored by the Air National Guard. Let's get out membership up and show the Army Guard that we can put on as good a show as they do. JOIN TODAY.

**COMBINATION 1**  
WITH SERVICE CAP (WHEEL CAP)



SUNDAY UTA - 0700



SUNDAY  
JUNE UTA

**Safety**

**Safe Boating Practice Is No Accident**

By MSG GENE MEEK

With the coming of summer, the consumption of alcoholic beverages and leisure time activities such as fishing and boating are often associated with one another. Some people load the beer before anything else. Alcohol has the same undesirable effects on fishermen and boaters as it does for vehicle drivers. It affects their judgement and reaction time and usually causes the emergency they are facing. Following are effects that alcohol has on boaters and fishermen:

**\*\*Balance**—Most people who die in boating mishaps fall out of the boat which may or may not have capsized. Balance is one of the first things impaired by even one beer or mixed drink.



**\*\*Coordination**—A drunk boater will have extreme difficulty trying to swim or reach a life saving device. As the alcohol level in the body increases, the ability to coordinate leg and arm movements diminishes.

**\*\*Vision**—A couple of drinks reduces the eye fixation of the surroundings by half. Add the "tunnel vision" effect induced by boat vibration and a reduction in glare recovery time puts blinders on the boat driver, thus setting the stage for a boat collision.

**\*\*Judgement and Risk Taking**—The average person will lose his ability to adequately reason after a few drinks. Failure to spot a storm or leaning over the side too far to land a fish could spell a disaster.

Remember, you cannot walk away from a boat accident.



**OPSEC Update**

By LTC GEORGE DAVIS

This month's OPSEC update will address the purpose and objectives of a sound OPSEC program. OPSEC is now applicable to those military activities contributing to our national security effort in peacetime as well as in wartime.

The purpose of OPSEC is to prevent the disclosure of information containing intelligence indicators that can be used to degrade operational effectiveness. The successful accomplishment of the mission and of OPSEC is greatly dependent upon each individual recognizing what information and action needs protection, and then providing that protection. However, there is a point of diminishing return in applying OPSEC. This point is reached when overall security measures detract from operational effectiveness. In order for OPSEC to be effective, unit personnel must be aware of the balance between security and mission accomplishment.

One of the basic principles of war deals with the element of surprise. OPSEC is concerned with keeping tactical and strategic ad-

vantage on our side, by protecting information and activity affecting this principle. We must protect knowledge of our plans, resources, and limitations. The proper protection of classified information and material is part of it; so is the protection of seemingly trivial or insignificant, unclassified information and actions which are related to this element. In other words, we must protect information or actions that are sensitive.

The OPSEC program is conducted on a full time basis, as are Air Force Programs for physical security and communication security. OPSEC is also similar to these programs in key elements, such as individual responsibility and in the need to know.

The OPSEC program has a single major objective: to enhance mission effectiveness by achieving and maintaining an optimum level of overall security in all Air Force operations and activities. We must never forget, that for the OPSEC program to be successful, all members of this unit must give it 100% of their support.

**Intelligence Section Presents Soviet Briefing**

During the June UTA, the unit Intelligence Section will present briefings and films on the Soviet Union. This training will take place on 6 Jun 81, 0830-1130, and on 7 Jun 81, 0900-1200, in the Civil Engineering/Club 149 building. Attendance will be strictly on a voluntary basis. It is hoped that this program will encourage unit personnel to become more aware of the current status of the Soviet Union and the role which it plays in the international environment.

In order to comfortably accommodate everyone, your supervisor has been requested to draw up a listing of personnel interested in attending. He/she has been requested to allow up to one-third of his/her personnel attend each day. If all unit personnel interested in receiving this training cannot be accommodated during this UTA, the training will be conducted during the July UTA.

The only requirements for attending are:

- \*\*Commander's/supervisor's permission to attend.
- \*\*SECRET security clearance.
- \*\*Current I.D. Card.
- \*\*Interest in learning more about the Soviet Union.



**JUNE UTA**  
**Sat - 0800**  
**Sun - 0700**



# Volunteers Needed To Retrain

To beef up the "All Volunteer Force", The National Guard Bureau (NGB) authorized Air National Guard units to exceed local authorizations. Now that National strength is at about 100%, the NGB is anxious to eliminate, as soon as possible, any AFSC imbalances that were created by the old policy.

AFSC imbalance adversely affects unit readiness. Upon mobilization, an ANG unit would waste valuable time eliminating overages, but more importantly, would lack some critical AFSCs until the gaining major air command provided fillers from the Air Force Reserve. Such delays could adversely effect mission accomplishment. It is vital that ANG units be totally prepared for immediate mobilization through constant position manning management.

As the first step in improving position manning management, the NGB has stopped the local recruiting of overages. NGB's highest priority, now, is to get overages retrained either into currently existing vacancies or into positions projected to become vacant within a year.

AFSC imbalances within the Virginia Air National Guard will be compounded by conversion to A-7D aircraft. The VaANG is beginning immediately, therefore, to improve position manning management. VaANG members who are currently assigned to the following overage AFSCs may apply to the Consolidated Base Personnel Office (CBPO) for retraining into a shortage AFSC—and are highly encouraged to do so. The number after the dash is the total number assigned to that AFSC who may be retrained; no number means that one only may be retrained.

\*\*\*

**VaANG-WIDE OVERAGES BY DAFSC**

23150	24270	27152	30454-2
231X2-9	325X0-3	325X1-5	328X0-7
328X1-6	328X4-6	39150A	39230
40471	423X0-3	423X1-4	42332
423X3-3	423X4-5	423X5-7	426X2-13
42750	427X2-3	427X3-6	427X4-3
427X5-4	431X1-60	461X0-6	46250-7
47271	47252-6	47273	51150.
60250	602X1-2	60252-2	60350-5
62270	64570	645X1-2	702X0B-6
70230C	70299	70570	75132
75350	811X2-2	90250	90470
90570	90690	90650	90770
98170			

\*\*\*

Retraining into the following shortage AFSCs may be either on-the-job at Byrd Field or formal training at an appropriate USAF technical school. Formal training is mandatory for asterisked (\*) AFSCs.

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**VaANG-WIDE SHORTAGES BY DAFSC**

Target Intelligence Spec	20151-2
Telecomm Opr Spec	29150-3
Ground Radio Opr	29353
Weather Equipment	30270 *
Missile Systems Maint	316X1L-6
Avionics Sensor Systems	322X2B-3*
Electronic Warfare Sys	328X3-3
Vehicle Equip Mechanic	47250
Electrical Power Line	54231
Electrical Power Produc	54232
Refrig & Cryogenics	54530
Heating Systems	54532
Masonry	55231
Welding/Sheetmetal	55252
CE Resources Management	55450
Air Cargo	60571
Food Service	622X0-4
Fuel	631X0-2
Inventory Mgmt	64550
Inventory Mgmt (Munitions)	64550A
Contracting	65170
Financial Mgmt	67251
Administration Mgmt	70250A-2
Staff Support Adm	70250B
Orderly Room	70250C
Personnel	73250
Training	75172
Security	811X0-6
Medical Services	90250
Med Svc (Aeromedical)	90270C-2

# NOT SO CURRENT CURRENCY TRIVIA

Did you know the words "In God We Trust" have been on the penny since 1909, on the dime since 1916, and on the nickel since 1938? It was not until 1955 that Congress instructed Treasury to put those words on all currency of the U.S.

The \$1 bill, the one Servicemembers see the most of, has the Great Seal of the United States on its reverse, along with three Latin inscriptions: "E Pluribus Unum (Out of Many, One), Annuit Coepit (He Has Favored Our Undertakings), and Novus Ordo Seclorum (A New Order of the Ages).

Larger bills have various scenes on the back. If you ever see a \$20 bill, you'll have a brief glimpse of the White House before the bill disappears for gas or food.

Finally, ten percent of all the Nation's currency are coins.

But that's another story.

# Unit Represented At Senior NCO Conference

The 1981 Senior Enlisted Conference was held 12-13 May 1981 in Tuscon, Arizona. The attendee's from the Virginia Air National Guard were MSG Ed Southard, SMS Dave Lutz, and CMS Herb Buttner. It was a very good session with lots of informative data presented. Due to the short lead time between the return to Byrd IAP and the finalization of the VANGUARD for June we will attempt to cover the conference in detail in the July issue of the VANGUARD. We will distribute a copy of the talking papers and a brief summary of data presented to each first sergeant and each member of the Enlisted Advisory Council prior to the June UTA.

The big social event of the conference was the first Air National Guard Order of the Sword ceremony held the evening of 13 May 1981 to honor Major General John T. Guice, Director Air National Guard 1 Feb 1977 - 31 Mar 1981. It was a ceremony that all in attendance will remember for a long time. The NCO's officiating did justice to us all in performance of their duties.

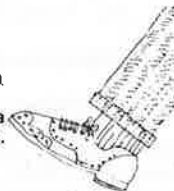


"Ten bucks says you miss"

# Recreational vehicle.

**It's a Fact:**

Walking is recreational. Go for a walk instead of a drive. It's relaxing, invigorating, and it gives you a chance to smell the roses.



# Disaster Preparedness Cites Nuclear Dangers

Disaster Preparedness Office provides these facts to you as a Guard member for your information on nuclear attack.

An element is one of the fundamental building blocks in nature.

An atom is the smallest part of an element. Some atoms are stable, while others are unstable.

Radioactivity is the spontaneous breakdown of unstable atoms resulting in emissions of nuclear radiation.

In the event of nuclear attack there are four types of detonations.

**\*\*HIGH ALTITUDE BURST**—Occurring above 10,000 feet above the surface of the earth, causing no fallout and used to eliminate communications and ICBM's.

**\*\*AIR BURST**—Occurring below 10,000 feet, fireball does not touch surface of earth; however, is most devastating blast.

**\*\*SURFACE BURST**—A burst which occurs on or near the surface of the earth where fireball touches the surface of the earth, causing most fallout.

**\*\*SUB-SURFACE BURST**—Is a burst in which the blast is 50% below the surface of the earth causing little fallout and similar to earthquakes.

The effects of nuclear detonations are as follows:

50% of nuclear detonation is blast and will cause severe damage to structures and injury and or death to personnel in a 250 mile square area.

35% of nuclear detonation is thermal radiation or heat. Conventional weapons reach a temperature of about 5,000 degrees C, while nuclear weapons reach temperatures of about 1,000,000 degrees C.

5% of nuclear burst is initial radiation and lasts approximately one minute after detonation, covering a 15 mile square area.

10% of nuclear bursts is residual radiation or fallout. The approximate distances on these areas of contamination depends largely on the size of the weapon used.

In mentioning radiation, there are three types:

**\*\*ALPHA**—Formed from decay of material which did not fission, a thin sheet of paper will stop alpha particles from penetration, it is an internal hazard only. Alpha is largely of little concern in nuclear detonation.

**\*\*BETA**—Formed on decay of fission products. Heavy clothing will stop penetration of beta particles; will cause skin burns if allowed to remain on skin and will pose internal hazard.

**\*\*GAMMA**—Formed from fission process and fission products. Is similar to x-ray and not particles. Nothing will stop penetration. Will cause body damage and eventual death.

Terms used in detecting radiation:

**\*\*DOSE**—A term used to express total accumulated exposure to radiation doses, and is measured in Roentgen (similar to odometer in car).

**\*\*DOSE RATE**—A term used to measure Roentgens per hour (similar to speedometer in car).

Effects of radiation:

**\*\*50 Roentgens**—no visible effects.

**\*\*75 to 100 Roentgens**—brief illness in 10% of personnel on day of exposure.

**\*\*200 Roentgens**—50% of personnel sick, 10% requiring medical attention.

**\*\*450 Roentgens**—most personnel sick, 50% will die in 2 to 4 weeks.

**\*\*600 Roentgens**—100% personnel will die in 1 to 3 weeks.

Protective measures

- Time, distance, shielding.
- If caught outside, lie prone.
- Hide in a ditch.
- Close all openings on clothing.
- Brush clothing.
- Seek shelter.
- Shelters greatly reduce exposure.
- When entering shelter remove outer clothing.
- Wash with water if available.

In this issue the Disaster Preparedness Office has provided Guard members with an insight to the potential dangers of nuclear warfare in regards to detonations, effects types or radiation and protective measures.

## Filler Fax

Although seldom seen or recognized by the average person, the shrew is one of North America's most numerous animals, the National Geographic Society says. Often resembling mice, shrews live almost everywhere, including rain forests, deserts at sea level, and in the highest mountains.

The Pony Express, carrying the mail between St. Joseph, Mo., and Sacramento, Calif., lasted only 18½ months and cost its backers some \$200,000, National Geographic says. The express went out of business late in 1861 within a week of completion of the first transcontinental telegraph.

The average Bulgarian earns the equivalent of about \$1,800 a year and pays relatively high consumer prices—\$350 for a small refrigerator, \$500 for a color television set, and \$4 for a gallon of gasoline, National Geographic says.

The United States gains six new lakes a day, most of them municipal reservoirs and centerpieces for subdivisions, reports National Geographic.

Armadillos are the only living mammals with bony shells. The armor—actually modified skin overlaid with scales—is flexible and warm, the National Geographic Society says.

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MICHIGAN AIR NATIONAL GUARD  
HEADQUARTERS, 110TH TACTICAL AIR SUPPORT GROUP  
P.O. BOX 858, BATTLE CREEK, MICHIGAN 48015

REF ID: A72 TASS/DO

13 Apr 1981

SUBJECT: SAV Deployment Support

TO: 192 TFG/CC

1. In the process of evaluating the effectiveness of our recent deployment to Savannah PPTS we were all in full agreement that the support your unit provided was nothing short of outstanding. We had everything we needed to conduct the training necessary to achieve C-3 status by 1 Apr 81. We are happy to report that we did manage to upgrade the necessary number of pilots to MR during that week to achieve C-3 status.

2. Please extend our thanks to all the people of your unit who provided such super support. Our pilots particularly enjoyed eating oysters and swapping war stories with your pilots! Thanks again.

*Thomas S. Cutler*  
THOMAS S. CUTLER, Capt, MI ANG  
172 TASS/DO

Cy to: 110 TASS/CC  
110 TASS/DO

## National Guard Plates

Effective 1 July 1981, members of the 192TFG may purchase the distinctive National Guard license plates from the Division of Motor Vehicles.

The new fees are \$7.50 for vehicles under 4000 pounds and \$10.00 for vehicles exceeding 4000 pounds. Member making an initial purchase may exchange their regular state plates for NG plates at the appropriate exchange rate. Issues are limited to two sets and the vehicles must be registered in the member's name. All NG plates expire 31 Mar.

The Virginia National Guard Association through its relentless lobbying efforts is to be commended for bringing about this benefit to all Virginia Guardsmen.



Newly elected Virginia National Guard Association President, Major Harrison May, addresses membership during closing moments of the 21st Annual Conference, held at the Cavalier on the Hill, Virginia Beach, April 24-25.



Major Basil Evans, outgoing VaNGA President, passes the gavel to Major Harrison May, who was elected as President for 1981-82.

The first two scholarships were awarded by the Virginia Army/Air National Guard Enlisted Association during their recently held convention held at Harrisonburg, Va. One of the recipients of this annual award was Debra Leigh Chisenhall, daughter of MSG Delmer L. Chisenhall of the 149th Tactical Fighter

graduates from Henrico High School June 4 this year and her plans are to start class at the Art Institute of Atlanta on September 28, 1981 working on a Major in Fashion Illustration. Her intentions are to work in advertising or illustration for a newspaper after graduation and long range plans to work with designers. The \$250.00 scholarship will be used to defray part of her tuition. All Virginia Air National Guard members wish Debra the best of luck in her new endeavor.



## "Guard On The Run"

Thirteen guardsmen participated in the 3rd Running of the Ashland Randolph-Macon College Railroad Run in Ashland, Va. on April 26, 1981. Leading the guardsmen across the finish line was TSG Kenny Adams (Avionics) with a time of 46:27. The other runners were SMS Monroe Reece, TSG Andy Dabney, SSG Kurt Ludwig, SSG Russel Acors and SSG Frank Bower (Fire Dept), TSG Frank Helander (Electric Shop), SMS Haley Cole, TSG Ray Bassetti and TSG Dave Beck (Avionics), Maj John Johnson (Training), MSG Gary Brooks, MSG Gary Smith (CBPO).

Everyone enjoyed the run and invite their fellow guardsmen to get the "Guard on the Run" in next year's race.

## Donations Sought

Donations for the Committee to Stop Children's Murder, Atlanta, Ga. will be accepted during the June and July UTA's--collection boxes are available in the Dining Hall, Personnel Office and Recruiting Office.

For Further information see SSG Andrew Irving in the dining hall.



The Speedsters