

The Redstone Rocket

Published by Jack W. Hoffhaus, a private individual, at Huntsville, Ala. Opinions expressed by the publisher and writers herein are their own and are not to be considered an official expression by the Department of the Army. The appearance of advertisement in this publication does not constitute an endorsement by the Department of the Army of the products or services advertised.

VOL. IX, NO. 35

REDSTONE ARSENAL, HUNTSVILLE, ALABAMA

JANUARY 11, 1961

Target Contract Goes to Northrop

A \$2,972,578 contract was awarded Northrop Corporation for the production of 770 target missiles. DA announced last Wednesday.

Designated the RP76-3, the target missile is air-launched from jet fighter-type aircraft. It has an operational speed approaching the speed of sound.

The Army will use the target missiles in training soldiers who man Nike Ajax and Nike Hercules air defense missile batteries currently guarding America against air attack.

The target missile is powered by a solid propellant rocket engine, weighs 290 pounds and is nearly 10 feet long. It has a five foot wing span.

The Army Rocket and Guided Missile Agency, its commodity manager for the target missile system.

The letter contract went to the Radioplane Division of Northrop, located at 8000 Woodley Ave., Van Nuys, California. Work will be performed there. The Los Angeles Ordnance District administers the contract.

Huntsville Center Offers Free Course In Citizenship

The University of Alabama, Huntsville Center is now taking applications from foreign born persons who wish to prepare for the citizenship test in a citizenship class that they are offering this quarter.

This class will begin on Wednesday evening, Jan. 11 at 8:00 p.m. and continue for 10 weekly sessions.

Text material is furnished free (See CENTER on Page 2)

Army Develops New Antitank Rocket



MIGHTY MITE—Little XM72 rocket grenade, the U. S. Army's newest light anti-tank weapon, packs a high explosive wallop. Compact, accurate, light and cheap to produce, the XM72, according to the Army announcement, can be carried and fired by one man and is highly effective against tanks, armored vehicles and a variety of field fortifications.

Simplicity Is Built Into XM72

Development of a new anti-tank rocket grenade fired from its own disposable packing container was announced Thursday by the Army.

The XM72 rocket grenade, a joint Army-industry development can be carried and fired by one man. The weapon is highly effective against tanks, armored vehicles, concrete bunkers, earth-filled log emplacements and sand bag fortifications.

Small, light and simple to operate, the new weapon is readily adaptable to mass production.

The four and one half pound XM72 is carried over the shoulder in a throw-away case that serves as the launcher. Each launcher is fitted with a canvas sling to permit shoulder carrying. If desired, four rounds can be carried in a canvas pack slung over the shoulder.

The carrying case is 25 inches long and three inches in diameter. A telescopic aluminum inner section is extended prior to firing. The outer section is made of a fiberglass plastic composition. The weapon can be fired from standing, kneeling or a prone position.

A solid fuel motor furnishes propulsion and burns out before the rocket leaves the launcher tube. When the rocket emerges, several narrow magnesium fins folded against the motor case when packed in the tube, spring into position and stabilize the (See XM72 on Page 2)

Capt. R. W. Jones, ABMA Field Support, Retires January 1

Capt. Richard Wyle Jones, who has served as a Project Officer in Field Support Operations since May, 1960, will retire January 1 after more than 20 years of military service.

He had served in ABMA previously from April, 1957, until June, 1959, and was a student and then an instructor at OGMS in 1953 and 1954.

Capt. Jones has served three tours of duty in Europe, one in the Caribbean, and one in Saudi Arabia.

Garrabrants Don't Miss A Trick For Missile Training

The Garrabrant clan at Redstone Arsenal has scored another point in a persistent program of education that has them one of the Army's most unusual—and certainly very scholarly—missile families.

Their latest victory in the field of learning is sending their youngest son, Ward, a 20-year-old Specialist in Army Ordnance, to the University of Alabama at Tuscaloosa for two years of Army-paid learning that will put him well on his way to a degree in electrical engineering.

The Garrabrants are a second generation family in the period of second generation missiles. They live at 213-C Dyer Circle on Post.

The father is C. W. O. Andrew Garrabrant, 45 and a veteran of 17 years of Army service. He got into missiles by completing courses at the Army Ordnance Guided Missile School where he is now assigned for a second tour of duty.

His eldest son, Mark H., 24, became a Warrant Officer last summer after graduating at the Missile School and also drew an assignment on the staff and faculty.

Young Ward enlisted in 1958 shortly after completing Butler High School. He took basic electronics at Fort Monmouth, N. J., then finished a Nike repair course at the Missile School and was transferred to a Nike site at Fort MacArthur, Calif.

Just before Christmas, he signed up for six more years under the Army's enlisted college education program.

He will spend the first two years at Tuscaloosa, with the Army footing the entire bill for his tuition, books, room and board (See GARRABRANTS on Page 2)

Two Contractors Name Area Representatives

WICHITA, Kans.—The appointment of T. Bruce Cooper as manager—southeast military area for Beech Aircraft Corporation's space age programs was announced recently by officials of the Kansas company.

Cooper will represent Beechcraft in the southeastern United States, with headquarters at Huntsville.

CONVERTER GIVES QUICKER ANSWER

A new analog-digital converter which can give engineers the results of a missile test in a matter of seconds has been installed at the Army Rocket and Guided Missile Agency's Test and Evaluation Laboratory.

It expedites information that previously took several days to obtain.

When a missile or engine is tested, the converter reduces raw data to engineering style where it is ready for evaluation by technicians. It also makes tapes which can be played through other machines for combining a variety of information relating to a missile or engine.

This automation also eliminates the possibility of human error to a great extent.

Once the machine records the data on tape, it is available to be read directly into a computer and processed, or the magnetic tape may be played to generate punched cards for use in computer, tabulators, plotters and other digital data processing systems.

Although ARGMA engineers are now only using 40 information channels for tests, the machine is capable of recording from 100 information channels simultaneously.

Publications People Have Opportunity to Wear a Gold Medal

A custom made gold pin on the lapel means an excellent performance in the Technical Publications Section of ARGMA's Field Service Operations.

The section set out recently to find its top-notch performers and reward them with a medal. Petitions were circulated and a committee of ten was established to judge the merits in each case and award the pins.

Peggy Stephens, a secretary in the NIKE Unit, was chosen Dec. 23 to be the first recipient of one of the pins. Mrs. Stephens, who lives at Owens Cross Roads, came to Technical Publication in March 1959. A date will be set later for a formal presentation of the pin.

The pins will be presented to persons demonstrating excellence in the preparation of technical publications or contributing significantly to the improvement of the Technical Publications Section.

Any member of the section (See PEOPLE on Page 2)



FIRST BABY IN COUNTY—PFC and Mrs. Donald R. Laverenz, formerly of Davenport, Iowa, are the proud parents of the first child born in Madison County during 1961. A son named Donald R. Laverenz, Jr., was born in Redstone Arsenal Post Hospital at 1:30 a.m., Jan. 1. The baby weighed 6 pounds 12 ounces at birth. PFC Laverenz, a member of the Ordnance Guided Missile School Television Branch staff, has been stationed at Redstone Arsenal since February, 1960.



CAPT. R. G. COOK

Capt. Cook Joins Chaplain's Staff

Capt. Richard G. Cook recently joined the Chaplain's staff at Redstone Arsenal as a Protestant Chaplain, replacing Chaplain Charles R. Hasty who is returning to his home in North Carolina.

Chaplain and Mrs. Cook have three children, Richard, 8; Barbara, 7 and David, 6.

Chaplain Cook is a graduate from Bob Jones University at Greenville, S. C., received a degree in English literature and then earned a bachelor of Divinity degree at Southwestern Baptist Theological Seminary at Ft. Worth, Tex.

The Redstone Rocket

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XM72

(Continued From Page 1)
rocket in flight.

Aiming is accomplished by a rear peep sight and graduated sight imprinted on a clear plastic rectangle at the mouth of the launcher tube. The firing mechanism is mounted on top of the launcher tube.

The warhead uses a powerful new Army Ordnance-developed explosive known as OCTOL. Teamed with the 90 mm recoilless rifle, the new rocket grenade will meet the infantry soldier's need for protection against enemy tank attacks.

The Hesse-Eastern Division, Flightex Fabrics, Inc., of Everett, Mass., is the prime system contractor.

The Army Ordnance Missile Command is the agency responsible for overall development of the Army's newest light anti-tank weapon. The Army Ballistic Missile Agency is commodity manager.



DOWN AND 'OUT'—SFC Rodger Hale (right) receives his discharge papers (arrow) from SP4 Lee Meyers during a free fall 9,000 feet over Fort Campbell, Ky. Sgt. Hale of the 101st Parachute Maintenance Co. reenlisted after landing on Yamoto Drop Zone. He and Specialist Meyers of the 502nd Abn. Battle Gp., have been selected as members of the Army skydiving team.

People

(Continued From Page 1)
which has about 100 technical writers and illustrators, can fill out a petition nominating a fellow worker. The petition has space to list the noteworthy accomplishments of the nominee, and the person who makes the nomination can go before the committee to present his case orally.

If each member of the committee is convinced that the nominee's work is worthy of recognition, the award is made. By keeping the standards high and requiring a unanimous vote of the awards committee, the prestige of the award is enhanced.

The solid gold pin, in the shape of a scroll, bears the words "excellence" and "Technical Publications." On the center of the scroll are two meshing cogwheels symbolizing the technical nature of the section's work. It was designed by Chris Bryant, a former illustrator in the section. It can be pinned to the lapel or attached to a chain.

Six of the pins are on display on a section bulletin board. The committee chairman is John Doss. Other members of the committee are Sam Bagley, George Rudd, Dorothy Sneed, Dave Gardner,

Chaplain

(Continued From Page 1)
The Captain is a member of Masonic Lodge 675 at Hartford, Ky.

Chaplain Cook entered the Army in November, 1956. He has a regular Army commission.

Prior to his assignment here, he was with the 101st Ordnance Battalion at Siegelbach, Germany.

Mrs. Cook is the former Miss Mary Grace Lovan, daughter of Mrs. Doris Lovan, Evansville, Ind. Chaplain Cook's mother is Mrs. R. L. Cook, Danville, Va.

CENTER

(Continued From Page 1)
of charge by the Twickenham Chapter of the Daughters of American Revolution and the Immigration and Naturalization Service of the U. S. Department of Justice.

The instructor of this course is Dr. Frances C. Roberts, history professor at the Huntsville Center.

GARRABRANTS

(Continued From Page 1)
and, of course, uniforms, although he won't have to wear the modern Army green except for military formations.

If Ward meets the Army's scholastic requirements during the first two years at Tuscaloosa, he'll become eligible to continue work toward his degree; probably get a lieutenant's commission—and out-rank Papa and Big Brother!

Delane Cranford, Clyde Estes, Earl Guyton, Mary Jane Hearn and Ernest Smith.

Books in Review

A Concise History of the Communist Party of the Soviet Union by John H. Reshetar, Jr. (Praeger, 331 pp, -6.00).

It appears to be utterly impossible to write a truly readable book about communism; the political philosophy and the heavy-footed machinations involved apparently force an author into producing a weighty tome. Unlike the histories of other systems, Communism is all grim, and even the good books on the Revolutionary period seem to lack color and to fall into the darkest and most obscure depths.

Nevertheless, Reshetar has made a good effort at producing a volume concise enough so that the average individual who does not want to become a specialist but who does want to know something about the origins and history of Communism can wade through without springing a leak in his cerebellum.

Reshetar, who is an Associate Professor of Political Science at the University of Washington and who wrote this book as one of the Foreign Policy Research Institute series, begins pre-Lenin and goes through the coldly calculating and cunning Khrushchev.

The most interesting section of the book is probably that dealing with Stalin's rise to power — despite Lenin's expressed mistrust of him.

It is scarcely news, but this book makes it obvious again that Soviet Communist objectives do not change and that their methods really do not change too much. In 1921, when the independent state of Georgia was taken over, "Military action was preceded by Soviet-style diplomacy and subversion." They are still trying to do it that way; Castro, please note.

As the author notes, Stalin and Trotsky disagreed on tactics and methods, not on ultimate goals. Similarly, Khrushchev attacked the Stalin cult, not the Communist

apparatus. Like Hitler, what the Communists are aiming for has long been set down, and while the path to the goal may wind through semantical woods and miasmas created by tactical shifts, the goal is always there and always the same.

In sum, Reshetar does not give much that is new, but he does put it in the best capsule form available, so that a clear picture of Soviet Communism is available. The amazing thing is how anyone who has ever experienced the slightest degree of freedom, of democracy, of the real Revolution in human rights that is continuing even today in the democratic world, can swallow an iota of this perverse, rotten Iron Maiden of a philosophy.

Rhymes of the Times

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...AAPS



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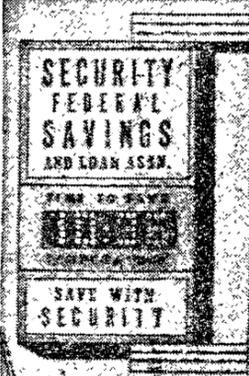
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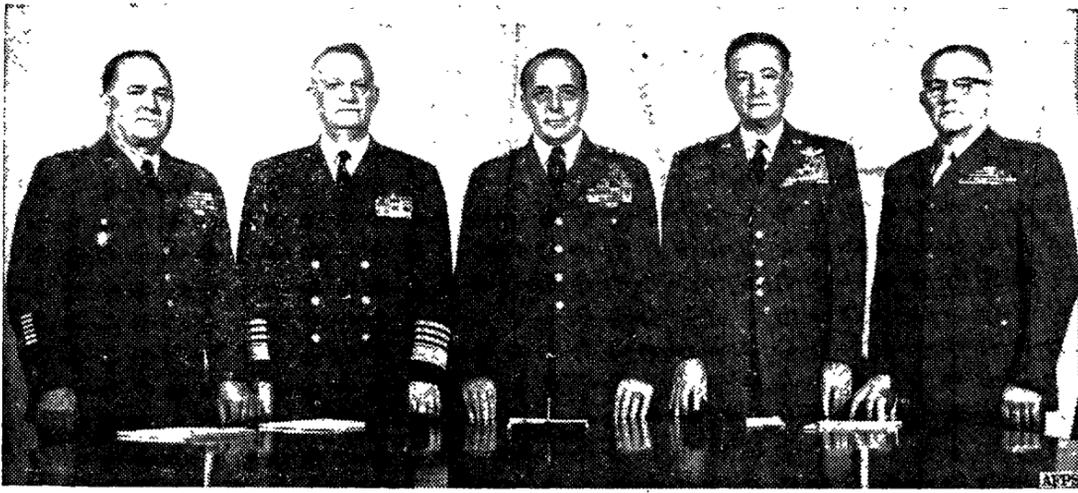
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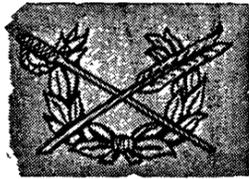
WATCH FOR TIME AND TEMPERATURE

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MEETING IN CAPITAL—Members of the Joint Chiefs of Staff assemble at the Pentagon in Washington, D. C., in early December for one of their regular meetings. From left: Gen. George H. Decker, Army Chief of Staff; Adm. Arleigh A. Burke, Chief of Naval Operations; Gen. Lyman L. Lemnitzer, Chairman; Gen. Thomas D. White, Air Force Chief of Staff; and Gen. David M. Shoup, Marine Corps Commandant.

The Judge Advocate Advises



Your Income Tax: Sick Pay Exclusion

(Because of the timeliness of its subject matter, this article, published in 1960, has been revised for this publication).

Were you absent from work during 1960? Was this the result of illness or injury? Were you marked "quarters" or hospitalized? These are matters for you to consider in completing your income tax return.

The tax law provides for the exclusion from gross income of amounts received by employees under accident and health plans financed by one's employer. There are some employees who do not receive pay from their employers when they are absent because of illness or injury. Military personnel are more fortunate. Their pay continues when they are absent from duty because of illness or injury sustained in line of duty.

As to employees covered by employer-financed accident and health plans, the rule generally is that amounts received as wages during a period of absence from work as a result of injury or illness are excludable from gross income. Basic pay received by military personnel while absent from work due to sickness or injury qualified for this exclusion.

Income or wages received while a taxpayer was absent from work is included as income on the withholding statement of the taxpayer. The appropriate amount, however, can be excluded when computing his income tax obligation

for the year. The amount to be excluded depends upon the nature of the disability, the amount earned during the period, and the basic pay of the taxpayer.

When the taxpayer is ABSENT FROM WORK because of illness, as for example marked "QUARTERS," his sick pay exclusion starts on the eighth day of his absence. If, however, he is HOSPITALIZED by the illness for as much as one day his exclusion starts the first day of absence from work and continues until he is returned to duty status. If he has been removed from duty status by injury instead of by illness, the exclusion continues from the first day of absence until return to duty status, even in the absence of any hospitalization.

A taxpayer who is a member of the armed services may be considered absent from work because of illness or injury even on a day for which he has no assigned duty but to stand ready for duty, if the illness or injury prevents him from answering any duty call whether or not he is

actually called. Further, while he is a patient, in a hospital he is considered to be absent from work, even though he may be doing a small amount of light work in the hospital while he is convalescing.

The amount of the permitted exclusion depends on the weekly basic pay of the taxpayer. For military personnel, this is determined by multiplying the monthly rate by 12 and dividing by 52. However, the exclusion may not exceed \$100.00 per week. Therefore, if the weekly rate exceeds that amount, only \$100.00 will be allowed per week for the exclusion from income.

In some cases, excludable sick pay will be received for a fraction of a week. It therefore becomes necessary to know the daily rate of pay. Since military personnel are on duty seven days a week, the daily pay would be the weekly rate divided by seven. where weekly pay exceeds \$100.00, the maximum exclusion allowed would be \$14.29 per day.

Some examples are:

EXAMPLE 1: Taxpayer earned \$455.00 per month and was on duty seven days per week. He was injured and was removed from duty status for four days. His weekly rate of pay is \$105.00 (\$105.00 x 12 ÷ 52). Since this is more than \$100.00 per week,

the taxpayer's daily exclusion is \$14.29 (\$100.00 ÷ 7). This being injury, there is no seven day waiting period. The exclusion therefore is \$57.16 (4x \$14.29).

EXAMPLE 2: The same taxpayer was sick, hospitalized, and removed from duty status for four days. His exclusion would be the same as in Example 1.

EXAMPLE 3: The same taxpayer was sick and removed from duty status for four days but not hospitalized. Because of the seven day waiting period, there is no exclusion.

EXAMPLE 4: The same taxpayer was sick and removed from duty status for eleven days but not hospitalized. The seven day waiting period would apply, so that there would be a four day exclusion equal to that in Examples 1 and 2.

EXAMPLE 5: If in the previous examples, the taxpayer had earned \$227.50 per month, his weekly rate of pay would be \$52.50 x 12 ÷ 52, and his daily rate would be only \$7.50 (\$52.50 ÷ 7), since that is less than the maximum allowed exclusion. The exclusion in Examples 1, 2, and 4 would therefore be \$30.00 (\$7.50 x 4).

To substantiate his declared exclusion the taxpayer should attach to his return statement from the medical officer indicating dates he was absent from work, the nature of his illness or injury, and if hospitalized, the dates on which he was admitted to the hospital and discharged.

Taxpayers who were unaware of the permitted exclusion when they filed prior returns are allowed to file amended returns seeking refund of the overpayment of taxes in the years of illness or injury. However, such claims must be filed within three years from the due date of the return, or within three years of the time the return was filed, or within two years from the time the tax was paid, whichever time is latest.

Rhymes of the Times

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TWO BIG LOTS

Social News

Semi-Annual Coffee Will Be Held Tuesday, Jan. 17

The Redstone Arsenal Officers Wives Club will hold a Semi-Annual "Get Acquainted" Coffee for Newcomers at the Squirrel Hill Officers Club on Tuesday, Jan. 17 between 10 a.m. and 11:30 a.m.

Special Interests Group Activities Chairmen will have stations set up to acquaint the new members with activities sponsored by the Wives Club and will give information and advice to newcomers who are interested in specific activities such as bridge, golf, sewing, art, and others.

Reservations, to be made Friday, Jan. 13, may be made on post by calling Mrs. J. A. Knight, ext. 877-5352 or Mrs. B. H. Penuel, ext. 877-5153. Off-post reservations may be made with Mrs. J. MacDonnel, JE 6-5942.

NCO Wives' President Becomes Toastmistress

Mrs. Grady Kennedy was inducted into the Huntsville Toastmistresses Club at the Jan. 4 meeting held at Morrison's Restaurant.

Mrs. Kennedy is presently the president of the Noncommissioned Officers Auxiliary at Redstone Arsenal.

During the meeting, Miss Dollie Wigginton was presented the cup for the best speech of the evening. Her topic covered some of her experiences in Brazil where she spent some time as a teacher.

This is the first meeting of the group at which the newly-elected president, Mrs. Douglas G. Pampin has presided.

Mrs. H. R. Lowers Wins at Party Bridge on Jan. 5

The Bridge Group of the Redstone Arsenal Officers Wives Club had six tables in play at the first meeting of the group in 1961 at the Squirrel Hill Officers Club Wednesday, Jan. 5.

Winners were Mrs. H. R. Lowers, first; Mrs. R. B. Ross second.

The Group plans a "Party Day" on January 19. Play will begin at 10 a.m. and continue until 2 p.m. Lunch will be served.

Mrs. R. R. Javins, ext. 877-

PICTORIAL GROUP MEETS TOMORROW AT SQUIRREL HILL

The Pictorial Engineers and Technicians Group met Thursday, Jan. 12, at the Nike Room in the Squirrel Hill Officers Club at 6:30 p.m.

Charles Tarver and W. H. Deever will discuss Video Instrumentation at Redstone Arsenal—Past, Present and Future.

John Heaman will lecture on Schlieren Photography.

The Group meets again on Feb. 2 to discuss Radio Telescoping and Image Amplifiers.

ENGINEERS MEET TOMORROW NIGHT

The Northeast Alabama Chapter of the Alabama Society of Professional Engineers will meet Thursday, Jan. 12 with a social hour between 6-7 p.m., dinner at 7 p.m., and business meeting at 8 p.m. Reservations for dinner may be made by calling John M. Candle, Arsenal Ext. 876-1411 or Jack Furman, JE 6-5536, Ext. 547 or 539.

The guest speaker will be Leonard Flank, Special Counsel for Patents and Infringements at the Army Ordnance Missile Command.

He will speak on "The Employee's Share in His Invention," which is of particular interest to inventors working for both the government and private industry.

Flank, a member of the Bar of the State of Illinois, is graduated as a mechanical engineer from the University of Illinois and later received his degree in law from De Pauw University. He is registered as a patent attorney with the U. S. Patent Office and has been admitted to practice before the Court of Customs and Patent Appeals.

4031 is in charge of reservations. All members of the Officers Wives Club are welcome to play with the Group. A special invitation is extended to newcomers by the Group.

Chess Tournament To Begin Next Tuesday Evening

Tournament play, sponsored by the Huntsville Chess Club, will be held between Jan. 17 and Feb. 10 using the eight-round Swiss system.

Each player will play on Monday and Friday nights with the option of forfeiting one game. Mondays the players will meet at the Huntsville Community Center and Fridays at the Butler High School Band Room. The club president, Barney Roberts, has announced that spectators are welcome at all sessions of the tournament.

Players will be divided into A, B, and C classes with winners in each group receiving a trophy. There will also be a trophy for the junior champion.

The tournament fee is \$2. Newcomers may join the Chess Club and compete in the tournament.

Players will have a two-week grace period to complete competitive play in case of adjournment or postponement of a game.

Players may begin on the second round and forfeit the first game, but only one game may be forfeited.

The tournament director is Ken Williamson, Arsenal ext. 876-5457. Either Williamson or Roberts, Thiokol ext. 6-9158, or JE 9-6203 can furnish further information about the tournament.

Physicists Present Lunar Measurement Paper in New York

Dr. Jack Copeland and Warren C. Tyler presented a paper at the end of December before the American Astronomical Society Meeting in New York.

Both men are physicists in the Research Laboratory, Research and Development Operations, Army Rocket and Guided Missile Agency.

The paper concerned "Lunar

Phototypesetting Is Technical Writers Topic

A demonstration talk, "Phototypesetting: What It Is and How It Is Done," by Adrian Olszewski will be featured at the January meeting of the Society of Technical Executive of the Phototypesetter Division of the Warwick Typographers, St. Louis, Mo.

Olszewski is a charter employe of Warwick and has been instrumental in the development of phototypesetting. Warwick pioneered the field for nine years and is today the largest company in the business. Olszewski was previously employed by McDonnell Aircraft as staff assistant to the executive vice president.

The program will follow the regular dinner meeting scheduled Thursday, Jan. 12, at 7:00 p.m. at the Elks Lodge. Reservations must be made with Dendy Rousseau, JE 9-5634, by noon Wednesday preceding the meeting.



HUNTSVILLE CHESS Club players concentrate on the next move during an evening at the Huntsville Community Center where the club meets on Mondays.

Sojourners Meet At Squirrel Hill

The first meeting of 1961 for the Redstone Chapter No. 353, National Sojourners, Capt. Kenneth W. Gryder presiding, convened at the Squirrel Hill Officers Club Jan. 6.

A fellowship and social hour preceded dinner, followed by the business meeting. Detailed plans for 1961 were discussed, accepted and turned over to the working committees for action.

New members accepted into the chapter were: W/O Paul H. Barcliff, Maj. Paul A. Pencola, and Lt. Col. James W. Soverns.

Sojourners newly affiliated from other chapters were: Lt. Col. Melvin L. Kirchhofer—Zama Chapter, Japan; Maj. Joseph A. Justin — Augsburg, Chapter, Germany; Capt. Benjamin H. Penuel, Jr. — Aberdeen Chapter,

Temperature Measurements at 8.6 mm Wavelength."

Dr. Copeland is a native of Sheffield, Ala., who earned his Ph. D. degree at the University of Alabama. Tyler is from Long Beach, Calif., and is presently completing his thesis on "Millimeter Wave Radiometry" for a Ph. D. degree at the University of Alabama.

GARDEN CLUB TO MEET

The Redstone Arsenal Officers Wives Garden Club will meet on Tuesday evening, Jan. 17, at 8 p.m. at the Squirrel Hill Officers Club.

The topic for the evening will cover flowerless arrangements.

Reservations may be made with Mrs. C. O. Blaser, Arsenal ext. 877-4449.

Md.; Capt. Norman K. Shanahan, Nahe Balley Chapter, Germany.

Lt. Col. (USAR) Grady S. Pepper was elected third vice-president, replacing Lt. Col. W. H. Scott.

Maj. Ruben L. Anderson, 1960 chairman and the members of the Americanism Committee were commended for their work during 1960. This committee carries out some of the Sojourner Chapter's most important patriotic activities. Lt. Col. (USAR) Grady S. Pepper is the 1961 chairman of the Americanism Committee.

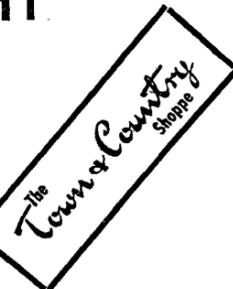
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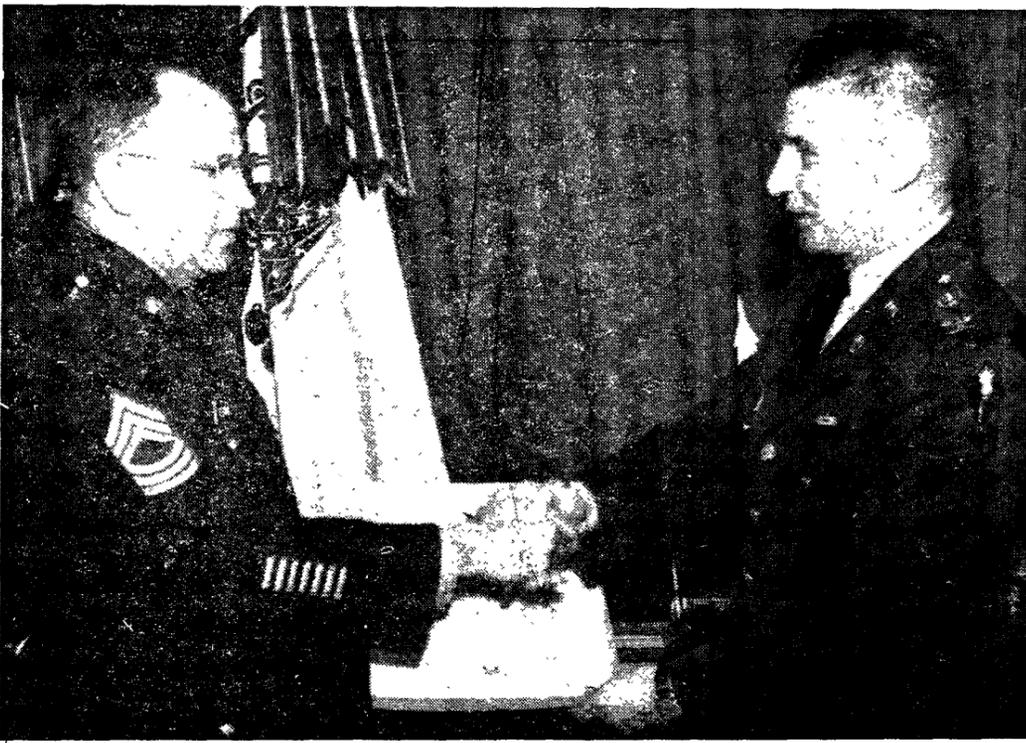
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RETIREES FROM ACTIVE SERVICE — M-Sgt. James T. Deaton, Ordnance Guided Missile School, is retired as lieutenant colonel, after more than twenty years of honorable military service. Col. Charles W. Eifler, commandant at the missile school presents a Retirement Certificate and Letter of Appreciation on behalf of Gen. George H. Decker, Chief of Staff, U. S. Army, at the recent ceremony. Lt. Col. Deaton entered the military service on Nov. 12, 1940 at Atlanta, Ga., and filled various assignments as an enlisted man and commissioned officer. After serving in Alaska, Korea and numerous posts in the continental United States, Deaton was assigned to the Missile School as an instructor in the Hawk Branch, Air Defense Missile Division.

At the Service Club

"The North wind doth blow, and we shall have snow" . . . Well, maybe not so much snow here in the "Sunny South," but there is going to be some pretty nasty weather blowing in this month and next. It's going to be nice weather for staying indoors, and the best place to do it is the Service Club. We will try to have programs that will help keep you occupied.

On Wednesday, the 11th, there will be an EM Council Meeting at 1330 hours. Wednesday at 1930

hours we begin a new series of Dance Classes under Ray Pisani's skillful direction. If you didn't participate in the last series, don't miss this chance.

On Thursday night, Jan. 12th, the Shutter Club will meet at 1800 hours in the small lounge. Another Shuffleboard Contest will get underway at 2000 hours. Sp/4 Jim Stark won the last hotly contested tournament, and he will be on hand again to defend his title against all comers.

Friday night will be Film Night starting at 2015 hours. If you have any interesting films, bring them over. If not, drop by anyway and enjoy ours. Don't let the fact that this will be Friday the 13th shake you. We'll try to dodge any bad luck.

Then on Saturday night, we will have an old-fashioned Square Dance at 2000 hours featuring Jim Baker and his Merry Mixers. Jim Baker's group is the same one that was here in November. Remember what a wild "hoe down" we had, so be sure to attend.

Sunday morning, Hot Coffee and Donuts will be served at 0930 hours. Sunday afternoon, a Pin-ochle Contest will get underway at 1330 hours. Sunday night we will have our usual Sunday evening Record Dance at 1900 hours.

Monday night Bingo will be played in the large lounge at 2015 hours.

Tuesday night the Bridge Club will meet in the small lounge at 1930 hours. The Rho Sigma Chi, our Jr. Hostess Organization will also meet on Tuesday night.

HISTORY: On New Year's Eve the Service Club really "swung" with the mad rock-and-roll music of Bill Johnson and his combo. One of these night we will have a "Film Night" at the Club and show the movies that Molly took at the dance. There should be some interesting footage on that reel. I especially want to see the part where all the balloons were supposed to scatter all over the ballroom, but instead, they fell on Tom George. Nice going, George!

FUTURE: Start preparing now for our Sadie Hawkins Costume Dance on the 19th. You men need to get in shape now, because we have some very nimble-footed girls around here. Then a Tour to the Birmingham Art Museum is coming up on the 21st. So keep these things in mind when you plan your week-ends for this month. Margaret

WORTH REPEATING: . . . Let us keep the strength and the will to lead the world, and all is transformed. We will have unity instead of division. Strength instead of weakness. Progress instead of destruction. And we would have in our lives and the lives of our children a world that is just, free, and at peace—a better world in which to life." Sec. of Defense Thomas S. Gates, Jr.

HIDDEN DANGER LURKS IN SOME 'DO-IT-YOURSELF' PROJECTS

Hidden aDnger Lurks In Some... A soldier jeopardized his life and that of two families recently because he didn't think.

Clean uniforms and bright brass are the mark of a good soldier. This one cleaned his uniform with gasoline—a gallon in a pan in the bathtub.

He thought it was safe.

What the soldier did not know: one pint of gasoline produces from 165 to 250 cubic feet of vapor.

During the scrubbing, the vapor overflowed pan and tub and crawled along the floor, covering the entire apartment. Then it began to build up.

One foot above floor level, the open flame from a natural gas-heater in the living room was reached with a perfect mixture of air and vapor—perfect for an explosion.

The soldier's wife and children screamed. He saw the flames returning to the source of the vapor in the bathtub and ran out of the bathroom—luckily closing the door and containing the fire.

All the family received second degree burns and were hospitalized except one son whose hair was singed.

The force of the explosion moved the wall separating the apartments in the duplex. Building damage was estimated as \$500.

It could have been worse. The soldier, his family and the family next door might have been killed and the building demolished because one person was thoughtless and careless.

It's a fact that using gas to clean it against Post Regulations, but this is not the point to be stressed. Endangering human lives should be the first consideration of would-be home dry-cleaners.

ONE ARMY—The Active Army, the Army National Guard, and the Army Reserve share a tremendous responsibility for the security of the United States in this age of peril.



RECEIVES DIPLOMA—Charles A. Burke, electrical engineer in ABMA, receives a diploma upon recent completion of a course in Complex Vibration Practice from John Gunnarson, general manager of Burson-Marsteller (Electronics). The Ten-day course is believed to be the first of its kind and is given at company expense.

Births at Post Hospital

Connie Jean Mitchum, 7 lbs., 7 ozs., Dec. 31, daughter of 1st Lt. and Mrs. Charles H. Mitchum Jr.

Rochester Marshall Jr., 6 lbs., 8 ozs., Jan. 1, son of SP4 and Mrs. Rochester Marshall.

Donald Richard Laverenz Jr., 6 lbs., 12 ozs., Jan. 1, son of Pfc. and Mrs. Donald R. Laverenz.

William Alfred Ogram IV, 7 lbs., 5½ ozs., Jan. 3, son of Mr. and 1/I. (Discharged) Margaret F. Ogram.

Tammy Sue Bean, 8 lbs., 1 oz., Jan. 3, daughter of 1/Lt. and Mrs. Jack R. Bean.

Arlene Frances Stoudt, 6 lbs., 14¼ ozs., Jan. 3, daughter of Sgt. and Mrs. Harold L. Stoudt.

Julie Marie Therkelsen, 8 lbs., 10½ ozs., Jan. 3, daughter of Sp5 and Mrs. Robert K. Therkelsen.

Noreen Jane Hand, 5 lbs., 4¼ ozs., Jan. 1, daughter of Sgt. and Mrs. James M. Hand.

William David Webb, 6 lbs., 5¼ ozs., Jan. 4, son of Sp4 and Mrs. Patrick D. Webb.

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CELEBRATE WITH CAKE—In "Quonset Village" where elements of the Army Ballistic Missile Agency recently moved, the Army-Air Force Navy Exchange Service opened a cafeteria. Cutting the cake served with free coffee at the cafeteria opening are (left to right) Col. Lester H. Levine, Deputy Commander, Redstone Arsenal Mrs. Ola G. Turner, cafeteria manager; and Col. H. N. Brownson, Deputy Commander of the Army Ballistic Missile Agency. The new cafeteria will seat 250 at a time.

ABMA ELEMENTS MOVE INTO QUONSET VILLAGE

Quonset Village is now occupied by elements of the Army Ballistic Missile Agency and the British Liaison Office and Canadian Liaison Office.

The former occupants were the NATO students quartered there in barracks which have been converted for office use.

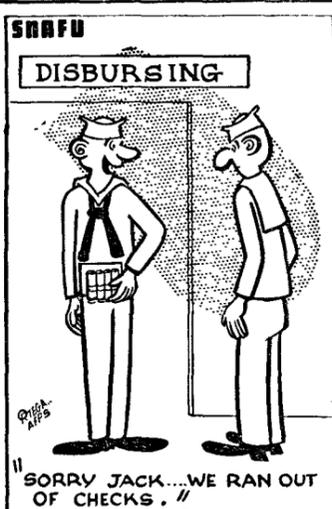
The former Mess Hall is now operated by the Arsenal Army-Navy-Air Force Exchange Service. The cafeteria can comfortably seat 250 which means, with the staggered lunch periods, a capacity of at least 1,000.

At present the Village population is approximately 850.

ABMA Field Service Operations, Research and Development, Operations Training, and Industrial Operations all have elements occupying office space in Quonset Village.

Logistical support to convert the buildings from barracks was accomplished in late December and the office staffs moved in. A few elements scheduled to occupy the remaining space will move in the near future.

The role you play in the suggestion program through "Operation Searchlight" contributes significantly toward a better modern Army.



TOP MISSILE GRAD—Lt. Charles H. Griffin, Jr., accepts congratulations from Maj. Gen. August Schomburg, Commanding General, Army Ordnance Missile Command during graduation exercises recently at the Ordnance Guided Missile School. Griffin was the honor graduate in the Ordnance Guided Missile Officer Course. He received his degree in Mechanical Engineering from Georgia Tech before entering the service.

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Centennial To Feature Elaborate Ceremonies

Bruce Catton, probably the most popular of Civil War historians, has called that great conflict "the Hamlet and King Lear of the American past... the unforgettable experiences that teaches us something basic about life which we would not know otherwise."

If Mr. Catton is right, the nation is in for an intensive refresher course about the stirring events of 1861-1865 in the year ahead. The Civil War Centennial Commission, headed by Maj. Gen. Ulysses S. Grant III, the 79-year-old grandson of our 19th President, has been working industriously on an elaborate program of observances and reenactments of major events ever since Congress set it up in 1957.

On March 4, 43 days after President-elect Kennedy takes the oath of office, another President will be inaugurated in Washington. His name? Abraham Lincoln, in the person of actor Raymond Massey whose performance was memorable in Robert E. Sherwood's "Abe Lincoln in Illinois," the Pulitzer Prize-winning play in 1939.

"The South may have lost the war, but it appears to be winning the centennial," says Karl S. Betts,

Major Gojsza Is Awarded Oak Leaf Cluster at ABMA

Maj. William P. Gojsza, Chief of Training Plans Office at ABMA, has received the first Oak Leaf Cluster to the Army Commendation Medal that he received for outstanding performance of duty in Korea in September, 1953. Brig. Gen. Richard M.

the CWCC's executive director. So far the facts bear him out. Forty-three states are planning centennial observances at a total cost of \$3 million, and more than half of that sum will be spent by Southern states where many of the war's major battles were fought.

From 1861 to 1865 there were about 1,000 engagements of Union and Confederate forces, of which the CWCC considers only 100 significant of mention. Of the 100, 36 will be commemorated by ceremonies, including, of course, such major battles as Bull Run, Shiloh, Mechanicsville, Antietam, Fredericksburg, Chancellorsville, Gettysburg, Chickamauga, Chattanooga, the Wilderness, Spotsylvania, Atlanta, Nashville, and the naval battle between the Monitor and the Merrimac off Hampton Roads, Va.

While the nation salutes both the Blue and the Gray, the publishing and entertainment industries will not be idle in documenting and dramatizing the conflict. In 1960 alone, 250 books about the Civil War rolled off the presses to swell the enormous body of histories, biographies and fiction already in print. The 1961 output is expected to exceed that mark.

In television one of the major networks has slated a special documentary titled "1861 — the Crucible," and another is reserving 22 hours for Civil War programming in the first six months of the year alone.

Finally, on the nation's movie screens, Scarlett, Rhett, Melanie and Ashley will swirl through the war and the Reconstruction as "Gone With the Wind" comes off the Hollywood shelf again to enthrall a new generation.

ABMA Officer Is Promoted

Lt. Col. Wesley W. Scott, Deputy Director of ABMA's Training Division, has been promoted from major to lieutenant colonel recently.

Col. Scott entered the Army on November 26, 1942, as an enlisted man, receiving his commission in July 1943. He has served at Aberdeen Proving Ground; Savanna Ordnance Depot; Batangas, Philippine Islands; Navaho Ordnance Depot, Ariz.; Wetzlar, Germany; Orleans, France; Washington Military District; Army Language School; Antofagasta and Santiago, Chile. He came to Redstone Arsenal on September 1, 1959.

He is a graduate of Plains High School, Plains, Mon., and has a Bachelor of Arts degree in journalism from the University of Montana, and has done graduate work in political science at Scot-

Hurst, ABMA Commander, made the presentation.

Maj. Gojsza received the Oak Leaf Cluster for his outstanding service while serving with the Army Missile and Rocket Directorate at the NATO Supply Center in Chateaufort, France. His knowledge, ideas and services had a marked effect on the standardization of a supply system between the U. S. Army missile and rocket supply line to the NATO countries.

Born in Cleveland, O., Maj. Gojsza attended East Tech High School there, and later attended Denison University and Case Institute of Technology, where he received his Bachelor of Science degree in mechanical engineering.

He entered military service on Jan. 16, 1943, and completed basic training at Keesler Field, Miss. Since then he has been assigned to Denison University, Ft. Belvoir; Ft. Leonard Wood; Camp Crowder; Camp Polk; Korea; Japan; Drexel Institute of Technology; and France.

Maj. Gojsza is married to the former Miss Frances Josephine Bier of Millersville, Pa., and they have two daughters, Susan Elizabeth, 2½, and Carol Ann, six months. Besides doing a commendable job for the Army, he golfs, bowls, hunts, fishes, and gardens.



HONORED—M-Sgt. Joseph C. Leone receives the Oak Leaf Cluster to the Army Commendation Medal from Col. Charles W. Eifler, commandant, during recent ceremonies at the Ordnance Guided Missile School. A veteran of over 20 years service, Leone merited the award for outstanding service while serving as Chief Clerk, Inspector General Section, 1st Cavalry Division, Korea. Leone and his wife, Helen, are presently residing at 1308A Jupiter Street.

the University in Washington. of Townsend, Mont., live at 267 Col. Scott and his wife, the Wesson Circle, RSA. They have former Miss Elizabeth C. Williams one son, Michael D., 16.



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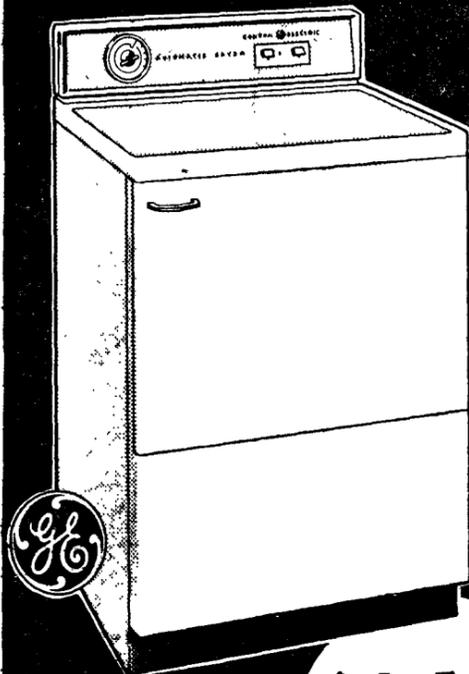
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PRESIDENTIAL CABINET—President-elect John F. Kennedy is shown surrounded by recently-appointed cabinet members. Clockwise from lower left: Agriculture, Orville L. Freeman; Commerce, Luther Hodges; Attorney-General, Robert F. Kennedy; Defense, Robert S. McNamara; State, Dean Rusk; Treasury, Douglas Dillon; Interior, Stewart L. Udall; Labor, Arthur J. Goldberg; Health, Education and Welfare, Abraham A. Ribicoff, and Postmaster General, J. Edward Day.

President-Elect Names McNamara DOD Chief

Washington (AFPS) — Robert S. McNamara, president of the Ford Motor Co. and a former Air Force lieutenant colonel, has been named Secretary of Defense by President-elect John F. Kennedy. Mr. McNamara has been with the Ford Co. since 1946. His appointment as Defense Department chief came only a month after his election to the presidency of Ford.

A native of San Francisco, Mr. McNamara won Phi Beta Kappa honors in his sophomore year at the University of California. He was graduated in 1937. Two years later he received his master's degree from the Harvard School of Business Administration.

After 11 years with an accounting firm on the West Coast, Mr. McNamara returned to Harvard as an assistant professor of business administration. On a leave of absence he joined the War Department to help build a statistical control system for the Army Air Corps. This program was later applied to the whole logistics operation of the Air Force.



ROBERT S. McNAMARA
New Secretary of Defense

During WWII Mr. McNamara was commissioned a captain in the Air Force, serving in England, India, China and the Pacific. He was awarded the Legion of Merit and by the time of his discharge had risen to the rank of lieutenant

Army Stresses New Weapons Concept

Washington (AFPS) — A Defense Department summary of news events for 1960 shows that many of the Army's top news stories concerned a new concept in weapons and equipment.

The Army emphasized "dual capability" as an overall requirement of weapons systems to permit readiness in both limited and general war. An example is the Sergeant, a solid-fueled missile having both nuclear and non-nuclear capabilities.

New weapons made headlines for the Army. The M-60 tank, M-14 rifle and M-60 machine gun began flowing to the troops and a revolutionary type of tank ammunition was developed using a combustible shell casing.

Army National Guard units assumed a larger share of the air defense role in 1960. By June 52 Nike-Ajax batteries had been manned by Guardsmen. Caribou and Mohawk airplanes, Iroquois and Chinook helicopters, electricity from a portable nuclear power plant for Greenland's under-glacier Camp Century, a portable radar for combat troops — all these were new this year for the Army.

In missiles, the Army broke records when its two-stage, solid-propelled Pershing pushed a warhead higher, farther and faster than ever before. A test model of the Nike-Zeus, designed specifically to intercept ICBMs, was successfully fired from an underground launcher in April.

The year 1960 saw the Army with five divisions on duty in Germany; two were in Korea; one, minus one battle group, was in Hawaii. There were six Army divisions in the Continental United States, three of these forming the Strategic Army Corps (STRAC). U. S. strength in the Far East was bolstered by the transfer of an airborne combat team from the mainland to Okinawa.

colonel.

During the war Mr. McNamara and nine other young officers worked as a team at Wright Field, Dayton, Ohio, revolutionizing Air Corps procurement and supply through new methods of statistical control. The team stayed together and joined the Ford Co. in 1945.

With Ford Mr. McNamara rose from manager of the company's planning and financing analysis offices to head of the car and truck divisions and a director of the company in 1957. He became Ford's president on Nov. 9, 1960.

Mr. McNamara is an avid and experienced mountain climber. Another of his favorite pastimes is skiing. He lives with his wife and three children in Ann Arbor, Mich.

The presence of Army deployed forces serves notice that aggression, local or general, will not be tolerated. DA Pam 355-200-5.



SPORTS QUIZ

(AFPS Weekly Feature)

1. Name the two famous twin brothers for Southern California's forward wall last season.
2. What quarterback gained the most yards through the air in the National Football League during the 1959 season?
3. Army's quarterback Joe Caldwell set two West Point passing records in the 1959 game with Oklahoma. Name them.
4. Name the man who has the

highest winning percentage of any active college football coach.

(Answers to Quiz)

1. Two-time All-American end Marlin, and his brother Mike, a guard.
2. John Unitos of Baltimore. He tossed the most passes, 367, and completed the most, 193, while gaining the most yards, 2,899.
3. He completed 21 of 42 passes attempted and gained 297 yards through the air.
4. Bud Wilkinson of Oklahoma. His teams, as of 1959, have won 114, lost 10 and tied three for a 9.19 percentage.

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General Tells Graduates About Missile Build-Up

The nation's European allies are increasing their missile strength, says the Army's missile chief.

Deployment of missile forces along a 3,000-mile arc extending from Norway to Turkey is proceeding on schedule, Maj. Gen. August Schomburg told missile students from seven nations receiving diplomas from the Army Ordnance Guided Missile School.

The United States and the North Atlantic Treaty Organization are establishing large-scale facilities for the production of advanced type missiles in Western Europe, the head of the Army Ordnance Missile Command told graduates from the United States, Belgium, Canada, Denmark, France, Germany and Norway.

Belgium, France, West Germany, The Netherlands and Italy are to jointly produce the new Hawk air defense missile which can destroy attacking aircraft from tree-top level to about 40,000 feet, using a heat-seeking device, he added.

Twelve of the NATO countries now have the Nike-Ajax and Nike-Hercules missiles which can intercept targets of about 30 miles, far beyond the capability of today's operational aircraft, he said.

"More than 50 sets of Nike-Ajax equipment and approximately 100 sets of Nike-Hercules equipment are scheduled for deployment outside the United States in the near future," Gen. Schomburg declared.

Other weapons also overseas include the Redstone, Honest John, and the 1,500-mile Jupiter developed by the Army at Redstone Arsenal and assigned for operation to the U. S. and Italian Air Forces.

The LaCrosse ground support weapon is soon to be added to the list.

Future weapons such as the new Sergeant, Pershing and Little John are also to be used for Allied defense, he said.

A program is under way to develop a "hybrid" missile which will combine the best features of both liquid and solid propellants to achieve better range, weight and mobility, the General said. He pledged "that the weapons we develop are not for the exclusive defense of the American continent but rather are designed for employment by our forces and those of our Allies whenever and wherever our collective interests are endangered."

Alabama Firms Share Contracts For Services

Seven Alabama firms were among 17 throughout the nation who shared in contracts amounting to \$160,013.30 for supplies and services other than missile system work awarded by Army elements at Redstone Arsenal during December.

The Alabama firms included Meadow Gold Dairies of Huntsville, \$13,500; Sealtest Foods Division of Birmingham, \$62,433.80; Vantage Electric Corp., of Birmingham, \$5,700; Sealtest Food Division of Birmingham, \$26,633; Moore-Handley Hardware of Birmingham, \$6,740; Vulcan Asphalt Refining Co., of Cordova, \$9,300, and American Bakeries of Gadsden, \$35,653.50.

Out-of-state firms getting contracts included Pace Engineering of North Hollywood, Calif., \$6,956.25; U. S. Services Corporation of Washington, D. C., \$17,023; Vector Manufacturing Company of Southampton, Pa., \$5,940; Packard Bell Computer of Los Angeles, Calif., \$9,790; Bendix-Pacific Division of North Hollywood, Calif., \$11,250; Vector Manufacturing Company of Southampton, Pa., \$7,425; American Insulated Wire Corporation of Pawtucket, R. I., \$6,100.

Plastic Wire and Cable Corporation of Jewett City, Conn., \$8,976; Pace Engineering Co., North Hollywood, Calif., \$9,275 and Gulton Industries, of Metuchen, N.J., \$21,475.

Movie Schedule

Wednesday, Jan. 11, "Home from the Hill," (M) starring Robert Mitchum and Eleanor Parker. Time 1800 and 2030 hours.

Thursday-Friday, Jan. 12-13, "Mister Roberts," (M) starring Henry Fonda and James Cagney. Time 1800 and 2030 hours.

Saturday, Jan. 14, "Captain Lightfoot," (F) starring Rock Hudson and Barbara Rush. SPECIAL MATINEE, 1000 hours. Time 1800 and 2030 hours.

Sunday, Jan. 15, "Bombers," (F) starring Karl Malden and Natalie Wood. Time 1400, 1800, and 2030 hours.

AER Sends Certificate For Participation in AER-ARS Drive

Ft. McPherson, Georgia—Of the \$678,098 contributed to the joint annual fund campaign of Army Emergency Relief (AER) and the Army Relief Society for 1960, \$108,835 was contributed by Third US Army personnel, according to Maj. Gen. Edward F. Witsell (USA, Retired), AER Director.

Gen. Witsell made the above figures known in a recent letter to the Third US Army Commander, Lt. Gen. Paul D. Adams.

At the beginning of the 1960 fund campaign it was suggested that each command or installation with an AER Section in its headquarters raise as its "fair share" goal approximately 15% of the amount spent by that AER Section for assistance during 1959. In order that those commands which met or exceeded the suggested "fair share" goal might be especially recognized for their efforts, the Officers and Board of Managers of AER inaugurated a "Certificate in Appreciation" to be awarded eligible activities at the close of the campaign.

Gen. Adams was advised by Gen. Witsell that installations in the Third US Army Area which have been sent such Certificates were Ft. Benning, Ft. Bragg, Ft. Campbell, Ft. Gordon, Ft. Jackson, Ft. McClellan, Redstone Arsenal and Ft. Rucker.

Lt. R. L. Rutledge Promoted to Captain

Howard L. Rutledge, Honest John Project Officer in the Control Office, ABMA, has been promoted from first lieutenant to captain.

Capt. Rutledge, who was born in Atlanta, was graduated from Central High School in Shelbyville, Tenn., and Middle Tennessee State College at Murfreesboro, from which he received a BS degree.

He entered the Army on January 1, 1955. After completing the Basic Officers Course and the Ordnance School at Aberdeen Proving Ground, Md., he served in Germany for almost three years. Upon his return to the United States, he became Commanding Officer, Hq. & Co. B, 701st Ordnance Bn., 1st Infantry

hours.

Monday, Jan. 16, "The Pride and the Passion," (M) starring Cary Grant and Frank Sinatra. Time 1800 and 2030 hours.

Tuesday, Jan. 17, "Village of the Damned," (M-YP) starring George Sanders and Barbara Shelley. Time 1800 and 2030 hours.



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BROUGHT UP TO DATE—Army Col. John D. Martz holds the new 50-star Presidential seal which will be used in January's inauguration ceremonies in Washington. Col. Martz commands the Army's Institute of Heraldics which designs the official seal as well as military awards and uniform changes.

A SHARPER SWORD AND A STRONGER SHIELD — The Army's most compelling challenge is the problem of keeping its fighting units equipped with

the most modern weapons and equipment, those which will provide a superiority in combat power.

Division, at Fort Riley, Kans. He came to ABMA in April, 1960.

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INCENTIVE AWARDS

Special Department of the Army awards for outstanding and sustained superior performance by 11 civilian employees of the Ordnance Guided Missile School are announced by Col. Charles W. Eifler, commandant.

The outstanding and sustained superior performance awards, normally won by about one percent of the Army's civilian employees, went to: Marilyn S. Franklin, Air Defense Missile Division; Kenneth R. Hertha, chief of review and analysis, Office of Comptroller; Dorothy McLaughlin, secretary, Commandant's Office; Reavis O'Neal, Jr., public information officer; Marie L. Phillips, personnel division, Dept. of Administration & Services; Marjorie G. Williams, receptionist, OGMS headquarters.

Stanley E. Kreger, Acting Comptroller, and John E. Nogues, training instructor in the Field Artillery Missile Division, received outstanding performance certificates.

Sustained superior awards were won by: Emmet N. Creekmore, supervisory training instructor,

Air Defense Missile Division; Annette J. Green, secretary for Director of Administration & Services; and John T. Kilburn Jr., electronics training instructor, Air Defense Missile Division.

The Army Rocket and Guided Missile Agency honored twelve of its employees recently for their outstanding performance in government service.

In a special ceremony in the office of the commander, Brig. Gen. John G. Zierdt presented the Department of the Army's Outstanding and Sustained Superior Performance Award to Mrs. Edith M. Gibbs and Mrs. Mary R. Womac.

Recipients of the Department of the Army's Sustained Superior Performance Award were Paul K. Schaepi, Robert J. Cloyd, Robert C. Lindeman, Leonard M. Freeman, Mrs. Jeanette P. Cowley, Owen V. Creel, Mitchell G. Linney, Joe D. Davis, Mrs. Jeanne T. Harley and Miss Grace Jones.

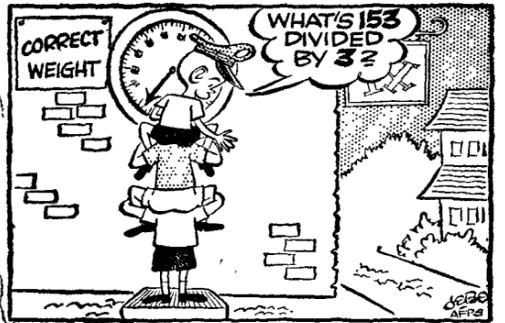
An Outstanding Performance Rating and Award may be presented to an employe who has performed in an outstanding manner in all his major duties.

The Sustained Superior Performance Award requires that the employe be outstanding in one or more major duties and satisfactory in each of the remain duties. A cash award accompanies the SSP.

ONE ARMY FACT—In battle there has never been anything but "One Army." No single victory in American military history has ever been won by a single arm, service, or component of the Army. Victory on the field has always been the product of the combined efforts of Regulars, Guardsmen, Reservists and Army civilians with all arms and service working as a combat team. General Bruce C. Clark.

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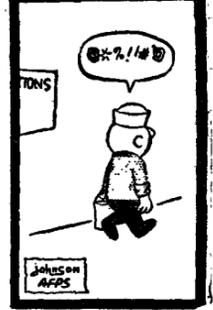
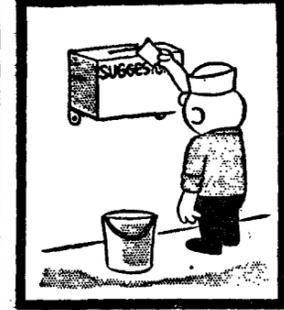
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New Decade Begins On A Note of Hope

There are two ways of looking at our world as we enter a new decade. One is that science has put weapons into the hands of man which will eventually destroy him because the Communist bloc will touch off a nuclear war. This is the doom view and some very brainy people share it.

But they are a minority compared with the great number of thinking people who contend that, along with his increased scientific knowledge and ability, man must—and will—grow in character and political decency to make a nuclear global holocaust impossible. These are people determined that there will be a better, saner future for themselves and their children. They are the people who support the United Nations as man's best hope for world peace.

Looking back into 1960, we can be anything but distressed by the role we play as a great free people in the past 12 months. President Eisenhower, at Paris and wherever he went on his global tour, was hailed by millions as a symbol of American strength and good will. In the United Nations his calm, lucid voice outweighed in its rational impact all the obfuscations of the ranters, the ravers and their stooges.

Yes, the past year dashed hope—but they were the false hopes of well-meaning people who thought that the enemy had changed his heart as well as his face. They know now, most of them, that our best hope as a nation and as the leader of the free world lies not only in our honorable intentions but in our

strength. As long as we all recognize this and work together to maintain that strength—military, economic, moral—we can move into 1961 confident and united. The distractions and partisan feelings of a presidential election year are behind us; we can channel our energies into a fresh affirmation of what we stand for—light and reason in a world half-eclipsed by the dull gloom of lockstep living.



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TWO WHO SHARED in development of the U. S. Army's newest light anti-tank weapon, the XM-72, examine the rocket grenade and its throwaway packing case that snaps open to convert to a launcher. The rocket is shipped in the container and fires from it. Maj. Gen. John A. Barclay, (right) Deputy Commanding General of the Army Ordnance Missile Command, was the first Army officer contacted by the industrial engineers who suggested the basic weapon concept. Raymond W. Turner of Research & Development Operations, Army Ballistic Missile Agency, of R&D Operations, Army Rocket and Guided Missile Agency, was a project engineer in the development of the weapon.

Agency. Earl R. Edmonson was project engineer at ARGMA. Raymond W. Turner worked on the project at ARGMA and became project engineer at the Army Ballistic Missile Agency which assumed commodity management responsibility for the XM72 in accord with a realignment of missions within AOMC which took place last year. ARGMA and ABMA are elements of the Army Ordnance Missile Command. Edmonson and Turner are Army civilian employees who live in Huntsville.

Technical support and assistance for XM72 development were provided AOMC and its elements by the Army Quartermaster Research and Development Command; the Infantry Board of the Continental Army Command; Diamond Ordnance Fuze Laboratories, Washington, D. C.; Picatinny Arsenal; Frankford Arsenal, Philadelphia, Pa.; Ballistic Research and Human Engineering Laboratories, Aberdeen Proving Ground, Md.; the Ordnance Ammunition Command, Joliet, Ill., and the Rohm & Haas Company, Huntsville.

Suppliers of XM72 components to Hesse-Eastern include; Hunter-Douglas Division, Bridgeport Brass Co., Riverside, Calif., motor body; Harvey Aluminum Co., Torrance, Calif.; launcher inner tube; Lamtex Industries, Farmingdale, N. Y., launcher outer tube; Zenith Radio Corp., Chicago, Ill., rocket fuze, and Eastern Tool and Manufacturing Co., Bellville, N. J., warhead cones and launcher stampings.

Other suppliers are Sprague Electric Co., N. Adams, Mass., power source elements; Holston Ordnance Works, Kingsport, Tennessee, explosive; Radford Arsenal, Radford, Va., rocket propellant; Lone Star Ordnance Plant, Texarkana, Tex., warhead loading and weapon assembly; Brunswick Manufacturing Co., Quincy, Mass., trigger housing and rear sight cover, and American Optical Co., Southbridge, Mass., front sight.



GRADUATES WITH HONORS — Capt. Arthur Holmes, Jr., of Knoxville, Tenn., recently graduated as top man in the Ordnance Staff Officer Guided Missiles and Nuclear Weapons Course at the Ordnance Guided Missile School. Maj. Gen August Schomburg, Commanding General, Army Ordnance Missile Command, presented Capt. Holmes his diploma. The General was principal speaker at the graduation exercises. Capt. Holmes entered the Army in August 1952 after receiving a degree from Hampton Institute, Hampton, Va.

enah, Radford, Va., rocket propellant; Lone Star Ordnance Plant, Texarkana, Tex., warhead loading and weapon assembly; Brunswick Manufacturing Co., Quincy, Mass., trigger housing and rear sight cover, and American Optical Co., Southbridge, Mass., front sight.

A man begins to feel his age when he realizes the girl looking his way is giving the once over to his son.

Maj. Gen. Barclay Is First to Hear XM72 Plans from Engineers

Army Reveals New Light Anti-Tank Weapon Is Ready

Maj. Gen. John A. Barclay, a leading Army missile expert, Thursday termed the U. S. Army's newest light anti-tank weapon a classic instance of how the Army Ordnance Corps and industry cooperate in weapon development.

He said 25 Army elements and

industrial organizations were involved in the team effort that produced the XM72 rocket grenade. Details of the new weapon were revealed by the Army for the first time last week.

Two engineers, Charles B. Weeks and Paul Choate, whose idea led to development of the new weapon, first presented their suggestion to the Army several years ago. Gen. Barclay, who was then commander of Picatinny Arsenal, Dover, N. J., was the Army officer who received their initial

proposal.

Today Gen. Barclay is Deputy Commanding General of the Army Ordnance Missile Command, Army system manager for the new weapon. Both Weeks and Choate are associated with Hesse-Eastern Division of Flightex Fabrics, Inc., at Everett, Mass. Weeks is general manager and technical director; Choate, Manager for engineering. Hesse-Eastern is prime contractor for the XM72.

Weeks and Choate suggested replacing the infantry soldier's low velocity anti-tank rifle grenade by adding a rocket motor to the grenade and firing it out of its packing container.

The joint Army-industry team that worked out the weapon based on this suggestion stressed economy, light weight, accuracy and simplicity of operation and production.

This approach resulted in a weapon weighing four and one half pounds that can be carried and fired by one man. A rocket motor propels the high explosive grenade from the packing container which also serves as its launcher tube.

The weapon is highly effective against a variety of tanks, armored vehicles and field fortifications.

Initial development was carried out under supervision of the Army Rocket and Guided Missile

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RECEIVES COMMENDATION MEDAL—Capt. Vernon R. Simpson (center), Army aviator at Redstone Arsenal, recently received the Army Commendation Medal from Col. Owen T. McCloskey, Arsenal Commander, for exceptionally meritorious service as an aviator and later as Deputy Chief of the Aviation Section at the Arsenal. At left is the Aviation Section chief, Maj. W. H. Ballard.

Two ABMA Men Receive 30-Year Service Emblems

Two Army Ballistic Missile Agency employees are recent recipients of 30-year emblems for Government-service.

They are: George M. Hallenbeck, Supervisor Inspection Specialist in ABMA's Industrial Operations' Quality Assurance Division; and Raoul P. Lopez, Chief of ABMA's Maintenance Construction Branch of Facilities Planning Office.

The awards were presented by Brig. Gen. Richard M. Hurst, ABMA Commander, in a ceremony in his office.

Hallenbeck is a native of Greenport, N. Y., and attended Hudson High School in Hudson, N.Y. He presently lives at 304 West Oakwood, in Huntsville, and has one daughter, Mrs. Ruth Marie Davenport.

Prior to coming to ABMA on August 25, 1957, Mr. Hallenbeck worked at Ordnance Ammunition Command, Joliet, Ill., as a Supervisory Industrial Specialist, and at Picatinny Arsenal, Dover, N. J., as a Mechanical Draftsman Supervisor.

He was a Machine Designer at 4-1 Boxmachine Co. in Rockaway, N. J., and a Tool Designer at Otis Elevator Co., Yonkers N. Y. He has been a Mechanical Draftsman for V&O Punch Press Co. in Hudson, N. Y., and began his career as an Apprentice Machinist and Draftsman with Gifford-Wood Co., Hudson, N. Y., in 1919.

Hallenbeck says that his only active sport now is bowling, but his greatest hobby is traveling. He is particularly interested in the natural wonders and sylvan

countriesides of the places he visits.

Lopez's Civil Service career began as a chain and rodman for a surveying party in laying out barracks, quarters, roads and utilities at Ft. Sam Houston in June 1928. Since then he has acted in many capacities, worked with many interesting projects and has been many places.

After leaving Ft. Sam Houston, he worked in construction at Ft. McClellan, Ala., Brookley Field, Moible, Ala., 4th Corps Area, Atlanta, Sacramento, Calif., and in the states of Washington, Mississippi, Louisiana and Alaska before it was a state. He has held posts as Superintendent of Construction in Giessen, Germany, San Juan, Puerto Rico, and Atkinson Field, British Guiana.

Lopez was born at Henry Barracks, Puerto Rico. His father was Lt. Col. Pascal Lopez (retired). His mother, Mrs. Juanita Lopez, is still a resident of Puerto Rico. He attended high school at Nogales High, Nogales, Ariz., and San Antonio Main Avenue High, San Antonio, Tex., where he was graduated in 1926. He began work in Civil Service immediately after graduation.

He is married to Mrs. Sara Weldon Lopez, formerly of Birmingham. They have two children: Evelyn J., 21, and Raoul W., 17. Mr. Lopez is a Mason and enjoys fishing as a hobby.

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DA Pam 355-117.

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MILITARY POLICEMAN OF THE MONTH—SP4 Rochester Marshall recently receives a letter of commendation as Military Policeman of the Month, at Redstone Arsenal. The letter, from the Provost Marshal, is presented by Capt. Darrell D. Kasson, Operations Officer. SP4 Marshall has been a member of the 291st Military Police Company since March 1959. He entered the Army in November, 1958. Marshall and his wife reside in Huntsville.

Freedom's Cities

Charleston Led South In Revolutionary War

South Carolina's second largest city can look back on a life span that crackles with high adventure long before the Revolution. But that struggle for freedom, Charleston also had a notable role, for it was the first Southern city to take up arms against the crown.

Thanks to legislative action, modern Charleston, while ranking as an important Atlantic seaport, retains much of its 18th century character. It is situated on a narrow peninsula, and from Broad Street south to the Battery historic old homes and churches abound, making the city a Mecca for antiquarians.

The Charleston area became the site of the first permanent settlement in the Province of Carolina in 1670 when 150 Irish and English colonists landed on the east bank of the Ashley River and called their new village Almarle Point.

The next year they renamed Charles Town in honor of King Charles II. But the site was a poor one for defense, and in 1672 they laid out a walled town six miles away which became the city of today, actually dating from 1680 when the colonists moved in.

Their wisdom paid off 26 years later during Queen Anne's War.

Charleston was by then a thriving maritime capital, and a combined French-Spanish fleet attacked it in 1706 but was repulsed. Peace brought other threats to the port's prosperity, for many British privateersmen had learned their adventurous trade so well while sailing for the crown that they turned to piracy.

The Carolina coast was a favorite haunt of these pirates, and of the whole ruffian crew none was more feared and notorious than Edward Teach, better known as Blackbeard. This worthy, having captured a large French Guinea 40-gun ship, renamed her Queen Anne's Revenge and proceeded to terrorize the Southeastern coast.

Charleston might have stood off an enemy fleet, but when Blackbeard turned up, demanding a medicine chest and threatening to kill his prisoners if he didn't get it, the town fathers complied in a hurry. Blackbeard's menace to the coast ended when he was killed in a hand-to-hand battle in 1718.

Charleston on the eve of the Revolution in 1775 had become the largest and most prosperous city south of Philadelphia. Despite its strong ties with England, it set an example for the South on Sept. 15 of that year when it

seized Ft. Johnson and forced the royal governor to flee. It was at Charleston, too, that the Provincial Congress of South Carolina adopted the first independent state constitution of the American colonies on Mar. 26, 1776.

The city's fortunes varied sharply in the course of the long and bitter struggle for independence. In the first year of the war the British, aiming at enlisting the support of provincial Loyalists, sent an expedition by sea under Gen. Clinton to seize Wilmington, N. C., and Charleston. But before the fleet even got to Wilmington, Tarheel patriots had decisively beaten the state's Loyalists in a fight at Moore's Creek Bridge on Feb. 27, 1776.

Clinton, despairing of taking Wilmington, sailed south to attack Charleston, but the city put up such a stiff defense that by June the disgusted redcoats gave up the venture and retired. For Charleston, however, the war was far from over. As the capital of South Carolina, it was a plum that the British repeatedly sought to occupy.

Finally, in 1780, the city endured a two-month siege. Clinton had all of Georgia under control, for the Americans and their French allies had failed to recapture Savannah. Now Clinton struck at Charleston by land and sea, and on May 12, 1780, the city fell to his troops. Some 5,000 men whom Gen. Benjamin Lincoln, the American commander, found it impossible to pull out of the city, were taken prisoner. Charleston remained in British

hands until Dec. 14, 1782, when it was evacuated.

The founding of Columbia in 1786 ended Charleston's reign as the state capital. Known by its original name of Charles Town until 1783, it had been incorporated as the City of Charleston on Aug. 13 of that year. Its maritime importance grew steadily in the postwar years, although commercially it suffered heavily during the War of 1812. Thereafter it recuperated with the rise of King Cotton.

In many history books Charleston's role in the Revolution is overshadowed by the dramatic events that followed Jan. 9, 1861, when the city's shore batteries fired on the U. S. vessel Star of the West when it attempted to supply the garrison at Ft. Sumter in Charleston Harbor. That led up to the shelling and capture of the fort by the Confederates on April 12-13. The Civil War had begun.



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- 2 Full Baths
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We manufacture den or liv. room furniture to order. Love seats with Polly-foam cushions, arms and back if desired, also trailer couches. Select the arm styles you prefer. Come in and see some of our quality frames made. All types furniture upholstered, free estimates. Auto seats covered, tailored only. We guarantee to save you money. Check with us on our great selection of materials and colors. Open 6 days a week, 7 a.m. to 8 p.m., 2506 Oakwood Ave., N. W., Rocket City Upholstery Co. Phone JE 4-9696. Open from 7 'til 7. ttc

FOR SALE — Electric range, 8 mo. old, also kitchen table with extension leaf and 4 chairs, shown by appointment. Phone JE 6-8405. ttc

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WANTED TO BUY — Used professional quality flute. Phone JE 6-0590. ttc

(Continued on Page 15)

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1 & 2 Bedroom

Nicely Furnished and Very Convenient for Redstone Employees using Patton Road Entrance.

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100% GI LOANS IN GROVE VIEW ACRES

Only 3 beautiful bedroom brick veneer homes left that may be purchased on 100% GI loans for only \$200 closing cost. They feature hardwood floors, ceramic tiled baths, built-in range and oven and carports. Located in a beautiful pecan grove. Occupancy in one week.

100% GI LOANS IN WESTWOOD ESTATES

Three bedroom brick veneer homes that feature paneled dens, built-in range and oven, air conditioning, select hardwood floors, carports or garage, washer connections and sliding glass doors. A veteran purchaser can move in for only \$200 closing costs. Also available on minimum FHA terms. DIRECTIONS — Drive north on Pulaski Pike to Embry's Store, turn left and look for our signs on right.

OAK PARK SUBDIVISION

We have 11 brick veneer homes under construction that may be purchased on 100% GI loans or minimum FHA terms. They feature three bedrooms, 1½ & 1¾ ceramic tiled baths and some have family rooms. All city utilities. A veteran purchaser can move in for only \$200 closing.

DIRECTIONS—Drive east on Oakwood Avenue to Chamber Drive. Look for our signs.

Hunter & Mitchell

REALTORS — JE 9-1759

Wanted

(Continued From Page 14)

OR SALE — 1960 Triumph, 4 dr., sedan, 10,000, one owner, 10,000 actual miles. \$1295.00. Phone JE 6-7670. 1tp

WANTED TO BUY — Used station wagon, straight shift, Call JE 9- 5815. 1tc

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961 — TR3 Roadster, only 900 miles, man says must sell this car, will take any kind of trade-in, 36 months on balance. Texas Auto Sales, JE 6-6121. 1tc

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For Example:

BRICK HOMES

3 & 4 bedrooms. Town & Country living at its very best.

SAVE \$400

on closing costs on either GI or FHA terms. Phone JE 9-3481.

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Directions: Drive WEST on Job Wallace (Madison Pk.) or Governors Dr. Follow signs to Model Homes.

FOR SALE — Willys Jeep Station Wagon, 6 cylinder motor with overdrive. Newly overhauled motor. Newly painted. Call JE 9-7511. ttc

1960 RAMBLER — 4 Door straight shift, only 9,000 actual miles, save lots of money on this one only \$1595. Texas Auto Sales. Phone JE 6-6121. 1tc

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BANKHEAD KINDERGARTEN announces the opening of a new play school class, ages 3 & 4 years. Kindergarten class, ages 5 & 6, transportation furnished if desired. For further information phone JE 6-2779. 1-18c

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FOR SALE — Beagles, AKC registered, pedigrees furnished, 4 males 8 months old beginning to run. \$35.00 each. One female will be six years old in April, a real rabbit shagger. All these dogs have permanent distemper and hepatitis shots and are healthy in every way. Can be seen at 519 Clark St., Decatur, Ala., or phone EL 3-5886. 1tp

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CHASE REALTY CO.
Phone JE 6-3286
Dolly Futch, Phone JE 4-6965 1tc

FOR SALE — 1959 Opel Rekord, low mileage, heater, clean, Pho. JE 4-0151. 1-25c

FOR RENT — 2511 Whitesburg Drive. 2 bedroom unfurnished apartment, fenced in back yard. \$85.00 per mo. Phone JE 6-2368. 1tc

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FOR SALE — Cottage on Buck Island (Guntersville Lake) 2 bedrooms, flagstone terrace, 2 slip boat house, 1½ acre lot, price, \$18,000.00, inquire at Val Monte. 1-18p

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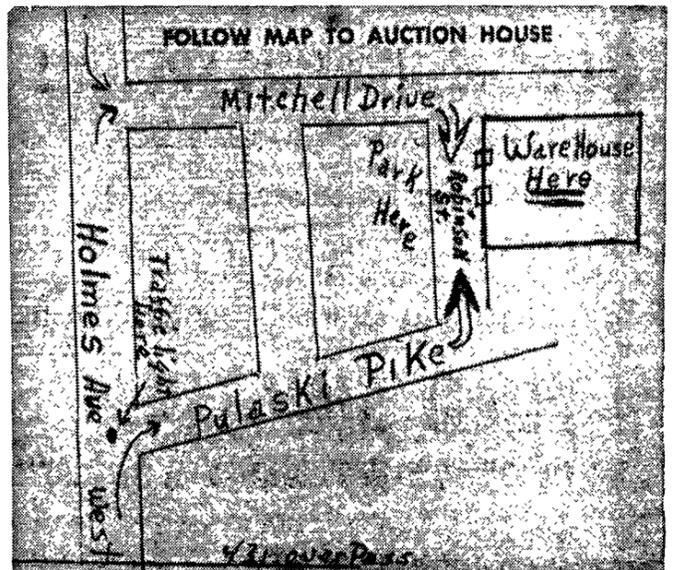
106 S. Washington — Phone JE 9-6566

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FOR SALE

In Hartselle, Ala., Beautiful New Tanner Heights Addition



A new 4-bedroom, living room, large den and kitchen combination with brick fireplace, brick cabinets with walcut doors and drawers, ceramic tile counter tops. Two ceramic tile baths, utility room and two-car garage. Central heat and air conditioning, plenty of closets, wall-to-wall carpet in living room and two bedrooms. The basement has a large play room with tile floor and a large storage room. This lovely split level, constructed of masonry with brick half way, has 2,945 sq. ft. of floor space and is priced at only \$24,700.00.

BYFORD & YARBROUGH

HOME CONSTRUCTION CO. — Hartselle, Ala.
i. C. Yarbrough, SP 3-8870 H. B. Byford, SP 3-9971

Making Your Ideas Pay Off

By John D. Roth
U. S. Civil Service Commission

Today thousands of Federal workers are looking for ideas to help their agencies do a more efficient and economical job. Financially, it can be well worth their time and effort, for the good, practical idea can mean substantial extra cash in their pocketbooks.

This is borne out by the results of the Government-wide suggestion program for fiscal year 1960, compiled recently by the Civil Service Commission. The figures show that some 50 agencies paid out more than \$2½ million last year in awards for 113,000 adopted employee suggestions that have a total dollar value of over \$68,000,000.

Most of the suggestion awards made last year were in the \$10 to \$50 range—the average award amounted to \$25. But there were many employees who came up with the big idea and the big payoff. Take the case of Silas H. Standridge, an air equipment repairer at the McClellan Air Force Base, Calif., for example. He received an extra \$500 check for thinking up a way to use salvaged materials to repair damaged aircraft fuel cells. The Air Force saved \$90,000 in material costs the first year as a result of this suggestion.

Did Mr. Standridge have a flash of inspiration, immediately grab the nearest suggestion blank, and quickly dash off his brainchild? We learned from Mr. Standridge, who has earned several previous suggestion awards, that this was not the case at all. Here is what he said: "I'm always interested in the different work projects we receive and how I can do the job better, easier, or cheaper. When I think I have an idea that might do some good I talk it over with my crew chief or foreman. After we hash it over and figure out whether it will do any good, we try it on the job. If it seems like it will be OK, I turn it in as a suggestion."

Another successful suggester this past year was Mrs. Agnes Davis, a purchasing agent in the Navy Purchasing Office, Washington, D. C. Her suggestion for changing the specifications for a machinist's combination square cut procurement costs by \$71,418, and earned her a \$585 award.

Mrs. Davis' advice to would-be suggesters is: "Keep an open mind on the way the work is being done and ask yourself questions as to whether there might be an easier, less time-consuming, or less costly way. In this case, I had the opportunity to watch prices, and wondered why the less costly tool would not do the work equally as well." After checking this point out with the people who use the tool, she wrote up her proposed changes as a suggestion.

What Mrs. Davis did was to question whether expensive forged steel would be required for some parts of the square while the most delicate and precise part of the tool, the protractor, was made of cheaper cast iron. It was this questioning attitude that led her to propose that all the parts be made of cheaper cast iron.

The big ideas last year ranged from a commonsense proposal like Mrs. Davis' suggestion, to the highly technical one thought up by three employees of the Federal Aviation Agency. They worked out a new and improved technique for flight-checking the accuracy of the "beams" that guided a pilot on his final approach to a landing at the airport — one of the most critical periods in the operation of an aircraft. The employees — Allen Morrissey, Julien Bouvier, and Orlean Farris — received \$1,175 for their suggestion which will save an estimated \$547,000 in flying costs and equipment.

Mr. Farris' approach to suggestion-making pretty well summarizes the views of many of the big award winners we questioned. On the basis of his experience both as a suggester and as an evaluator of other people's suggestions, he advised this 4-point approach: "(1) Be concise in describing the proposal, what it is intended

to do, how it could be applied, its costs, and benefit to be derived from its adoption. (2) Remember, that by means of the suggestion you have something to sell and that can be accomplished only if you make your presentation clearly and concisely so that the buyer can see the advantages and want to buy. (3) After preparing the presentation, study it from the viewpoint of the recipient, ask yourself the question, "Would I approve this suggestion?" Unless you can honestly say yes, based on what you have written, you should revise the suggestion so that you can answer that question with an unqualified yes. (4) Discuss it with your supervisors and get their reaction. They may know that it has been previously tried and found deficient or they may be able to suggest improvements in the presentation that will make it more acceptable."

To sum up, the suggestions that paid off big last year were the

RETRACTION

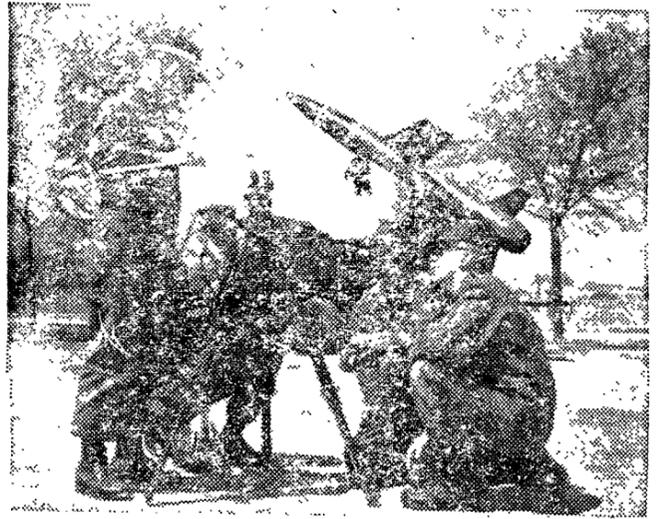
It was erroneously reported in The Rocket last week that the dance classes at the Squirrel Hill Club, sponsored by the Dance Committee, would be complimentary.

The first lesson on Jan. 10, was complimentary. A nominal fee will be charged for the full course.

ones that were aimed at making significant improvements in operations where the suggester was the day-to-day expert. They were the ones that reduced manhours or cut the cost of supplies, equipment, or paperwork to a substantial degree. They were also the ones that were thoroughly thought out, clearly described, and checked out with supervisors or other specialists before submission. They were the kind of practical ideas that cost-conscious managers welcome because they bring the greatest return to the Government, as well as to the employe.

POUNDER THIS: The fate of a unit, perhaps even of our Nation (says DA Pam 355-7), may depend on how well an individual soldier can perform his duties.

... The Army is Modern—



AND MASTER SERGEANT Clement A. Kea impresses this fact on young soldiers beginning eight weeks of training with a Lacrosse Instructor Battery. Sergeant Kea shows them the aiming circle used in laying the Lacrosse, one of which is parked in the background. Prime contractor for the Lacrosse is the Martin Company.

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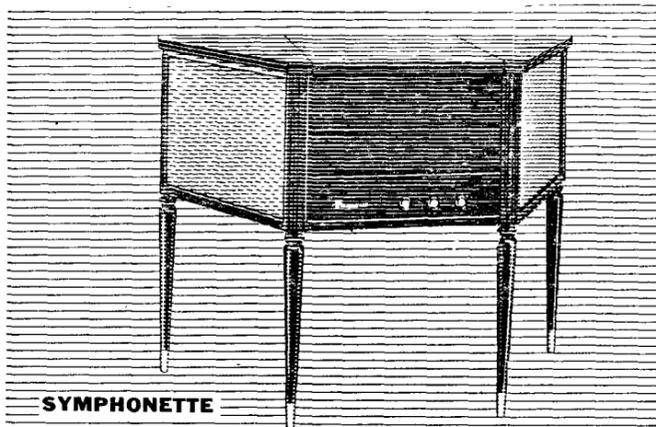
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