

The Redstone Rocket

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DEFENSE CUTS OUTLINED

Maintenance, Supply Plans Disclosed

Army conversion to a single supply, maintenance and distribution system was one feature of the announcement made last Thursday by Defense Secretary McNamara.

Of major interest to personnel of the Army Materiel Command, the new system, essentially a streamline operation, assigns supply management to seven national inventory control points, one of which is located here in the Missile Command's Directorate of Supply & Maintenance.

Others will function under four other major commodity type sub commands of AMC, Electronics, Mobility, Munitions and Weapons.

This action will reassign stock control functions and supply accounting to the appropriate commodity-oriented NICPS from the following Army depots:

Anniston, Erie, Letterkenny, Lexington, Pueblo, Red River, Sacramento, Tobyhanna and Tooele as well as the depot activity at Rock Island Arsenal.

This realignment of the Army supply system will result in elimination of the Overseas Supply Agencies at New York, New Orleans and San Francisco. The functions of the OSA's will be transferred to the inventory control points and to terminal activities.

The following NICPS are to be inactivated:

Chemical, Biological and Radiological Requirements Group at Edgewood Arsenal, Md.; Frankford Arsenal (fire control materiel only) at Philadelphia, Pa.; Major Item Supply Management Agency (MISMA) at Chambersburg, Pa. (this was effective Sept. 23) and the Mobility Support Center at Columbus, Ohio.

Activities of the NICPS being inactivated will be assigned to the seven remaining NICPS which include the one here and others at the Electronic Materiel Agency, Philadelphia, Pa.; Ammunition Procurement and Supply Agency at Joliet, Ill.; Tank Automotive Command at Detroit; Aviation and Surface Materiel Command at St. Louis and the Mobility Materiel Center at St. Louis.

Ft. Worth Army Depot, excluding the aircraft facilities at Eagle Mtn., Texas, will be released to the General Services Administration by December, 1965. Final disposition of the Eagle Mtn. Aircraft Field Maintenance Activity is still under study. Army activities at Ft. Worth will be transferred to other installations of the Army Supply & Maintenance Command.

Erie Army Depot, Port Clinton, Ohio, will phase out its supply and maintenance activities within three years. The proving ground facilities there will be retained by the Test and Evaluation Command.

Memphis Army Depot and Utah Army Depot at Ogden, Utah, will be released to the Defense Supply Agency for continued operation effective Jan. 1, 1964. Army activities at Utah Army Depot will be phased out over a two year period. Army supply and maintenance activities at Memphis will be (See MAINTENANCE, Page 2)

Bases To Be Closed

Defense Secretary Robert S. McNamara announced in Washington last week that 33 defense installations would be closed or their activities sharply curtailed.

Included were defense activities in 14 states and three foreign countries. The overseas installations will not be identified until a later date.

Mr. McNamara said the move, to be time phased over a period of several months, will result in a savings of 7,800 military personnel and some 8,500 civilians.

Among installations designated by the Defense Secretary were 14 belonging to the Army, seven of the Navy and 12 of the Air Force.

Installations affected include the following:

THEODORE ARMY TERMINAL, MOBILE, ALA.: Declare this inactive Army terminal excess in July 1964 and turn over to General Services Administration for disposition.

FORT CHAFFEE, ARK.: Inactivate. The current training mission will be transferred to other continuing Army training camps. Action to be completed by the end of June 1965.

OVERSEAS SUPPLY AGENCY, SAN FRANCISCO, CALIF.: This Army activity, now at Fort Mason, will be phased out by July 1964. Most functions will be transferred to other Army support activities.

FIFTH ARMY HEADQUARTERS, CHICAGO, ILL.: Relocate Army Headquarters to Fort Sheridan and declare excess. Turn over to the General Services Administration for disposal by June 1966.

CAMP LEROY JOHNSON, NEW ORLEANS LA.: Inactivate, declare excess, and the property returned to New Orleans Levee Board. Training mission will be transferred to Fort Eustis, Va. New Orleans Army Terminal personnel will be housed in im- (See BASES on Page 3)

Nike X Development Hits Milepost In Firing Tests

The Army announced Dec. 13 it had reached a major milestone in the development of its Nike X anti-missile system with the final test firing of a Zeus missile at White Sands Missile Range.

A spokesman said the firing was a successful test of the propulsion and guidance components of the 48-foot missile.

The Zeus missile teamed with the Sprint missile are the two that will be used in the Nike X system.

With the last test firing of a Zeus missile the Army's anti-missile missile program at the desert test site is now directed toward development of new components and techniques for the Nike X system.

The Army said that it will continue to fire Zeus missiles at Kwajalein Island in the mid-Pacific. These tests will be used to test components of the Nike X system as well as perform ICBM intercept studies.

The Nike Zeus system on Kwajalein has accomplished a number of intercepts of ICBM-launched target vehicles since the first one was announced on July 19, 1962.

Col. I. O. Drewry, the Nike X Project Manager, said the first full-scale test model of a multi-function array radar (MAR) for the Nike X system is nearing completion at White Sands.

Radar and ground support equipment developed for the Nike Zeus system at the Range will be used extensively in the Nike X development program.

The Zeus development firings began at White Sands on August 26, 1959. Since that time eight winged test models of the missile and more than 70 advanced con-

figurations have lashed skyward from above ground and underground launchers at the test site.

Exhaustive testing of the system was carried out at White Sands and later at Point Mugu, Calif. and Kwajalein Island.

The Army said completion of Zeus firings would not mean a significant decrease in the total number of personnel employed by the (See NIKE X on Page 3)

Secretary of Defense Robert S. McNamara initiated action Dec. 12 to discontinue or substantially reduce activities at 33 defense installations—26 in the United States and seven overseas—no longer required by the Armed Forces.

These actions, when completed, will produce annual savings of more than \$100 million. They affect military bases—14 Army, seven Navy and 12 Air Force—in 14 states and three foreign countries.

Operation Safety Designed To Keep Personnel Aware

The most comprehensive and far-reaching holiday safety campaign in recent years is underway at the Army Missile Command. The project is called OPERATION SAFE RETURN, and is designed to motivate and sustain safety thoughts and habits.

As an example of the thoroughness of the safety orientations given during the campaign, Jack Haynes, the Safety Director at the Army Missile Support Command, said that the Troop Command has determined where every man is going on holiday leave, how he will travel, and for how long. Each is given an individual briefing on safety tailored to the circumstances of his trip.

Several segments of the Missile Command and its contractors have organized contests for safety slogans and suggestions with small prizes awarded to winners. At the Provost Marshal Office, two with catchy slogans and prizes are Mrs. Martha Andrzejewski and Sgt. Henry T. Asselin. Martha won for her slogan "Safety—A good habit" and Asselin for "Holidays—Safety Days."

Col. Thomas W. Cooke, AMSC Commander, says the excellent response to OPERATION SAFE RETURN is due to several factors. "We started earlier this year and we've learned through previous experience at Redstone and from experiences of other places how to best educate people on holiday safety precautions. We're trying to let them know, too, what can happen to them if they don't have the necessary safety attitudes," he said.

The Safety Division of AMSC (See OPERATION on Page 2)

The U. S. installations involved are in Alabama, Arizona, Arkansas, California, Georgia, Illinois, Louisiana, Mississippi, Nevada, New Hampshire, New York, North Carolina, Ohio and Texas.

The overseas installations affected will not be announced until a later date.

The period over which the actions will be phased, in some cases as much as three and one half years, will minimize the impact on the employees and communities concerned. It will allow time to work with employees in planning their relocation and employment, and with community leaders on community readjustments in accordance with standard defense procedure. Carrying out this aspect of the program will involve the cooperation of federal, state and local agencies.

The economy program, in line with President Johnson's announced goal of economical operation of all agencies of the government, is expected to produce an over-all personnel savings of about 7800 military personnel and 8500 civilian personnel.

Normal attrition in the work force will provide job opportunities for a considerable number of those affected by the civilian personnel reductions. By careful advance planning and an extensive freeze on new hiring, additional job opportunities will be made available for the others involved in the cutback. Every employee whose job is eliminated will be offered another job opportunity. If the new job requires a move to another government installation, the expenses involved—in the case of career employees and their families—will be borne by the government.

To insure the widest opportunity for new jobs, retraining programs for skills required within the Defense Department will be established when necessary at government expense. The services (See SEC. McNAMARA, Page 3)



AN ANGEL APPEARED—Sunday School classes at Redstone Arsenal Post Chapel, directed by Mrs. Carl W. Hartman, presented a Christmas pageant at the Post Service Club Sunday. Readers told the Christmas story from the Scriptures. The biggest portion of the cast and chorus were angels. Miss Carlene Hartman, as soloist, sang "O Holy Night." The program ended with audience participation in "Silent Night, Holy Night." The three shepherds are: Wayne Merritt, John Fishback and John Baker. The angel is Susan Holston.

The Redstone Rocket

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Rocket Ruminations

The vow that binds too strictly snaps itself.
—Alfred Lord Tennyson

Anticipate A Need

Today the Red Cross Bloodmobile visits Redstone Arsenal for the last time this year.

Col. William Luk, the coordinator for the program on the Arsenal, has issued many special appeals for donors because each year during this holiday season hundreds of people arrive in hospital emergency rooms all over the Nation.

Biggest accident incidence is, of course, on the highway; but many other hazards add to the holiday toll.

Fires are often caused from carelessness—frayed cords, exposed flames near inflammable materials and other thoughtless acts.

Sudden tragedy and the need for blood may not be the fault of the hurt individual but the careless act of another.

Col. Luk is urging 60 per cent above normal donor participation to be absolutely sure that the local blood banks will have a backlog on hand should it be needed.

More than that, he is urging everyone to think—have a safe holiday.

MAINTENANCE

(Continued From Page 1)

phased out within one year. Schenectady/Voorheesville Army Depot at Schenectady, N. Y., will be phased out over the next

three years.

Administration functions of Blue Grass Army Depot at Richmond, Ky., will be consolidated with Lexington Army Depot, Lexington, Ky., within six months.

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SIGNS FOR SAFETY—Men in the Post Engineer Paint and Sign Shop hasten to complete the signs and posters on OPERATION SAFE RETURN for distribution around Redstone. E. H. Winkles, lead foreman, works on the silk screening process, and standing behind him, left to right are Murray Whisenant, sign painter and John Tanner who erects the signs.

OPERATION

(Continued From Page 1)

planned the program and is monitoring its progress arsenal-wide. D K. Womack of the Safety Division drew up the agenda for the whole campaign which started in late November with a letter from Col. Cooke to major organizations announcing the campaign and requesting the assignment of coordinators.

Some of the devices included in promotion of the campaign are safety talks by coordinators outlining the holiday hazards on the road and in the home, extensive use of eye-catching posters, the safety slogan contests, and the showing of such films as "Mechanized Death," "The Sixth Wheel," "Anatomy of an Accident" and short traffic films. These are available from the Safety Division on a first-come, first served basis. Many have already been scheduled for showing.

"Anatomy of an Accident" will be shown Dec. 21 over Channel 19, WHNT-TV Huntsville, after the Blue Bonnet Bowl game, and at 4 p.m. the 21st over Channel 23, WMSL-TV, Decatur.

The Post Chaplain will use safety themes as part of his sermon this month. The Chaplain has contacted the Huntsville Ministerial Association with the result that approximately 80 Huntsville ministers will be spreading the safety message from their pulpits.

Womack says he suggested the idea of encouraging women to make safety talks and spur the program. Many have been appointed and are very responsive coordinators.

Among the key coordinators from AMSC are: Bruce Gilbert, Post Engineer; Capt. E. E. Roy, U. S. Army Hospital; Paul Pace Computation Center; Miss Nancy Barrett, Purchasing and Contracting; Robert Jones, Maintenance Support Div.; J. L. Edgar, Finance and Accounting; David Rice, Calibration Center; F. B. Dykes, Personnel and Administration.

E. T. Bryant Assistant for Communications; Earl Havens, Inspection Div.; Jesse Stutts, Civilian Personnel; J. R. Brezaeale, Intelligence and Security Div.; Wendell Terry, Transportation Div.; Sam Mathis, Assistant for Logistics; 1st Lt. Joe Mills, Provost Marshal Div.; Bobby Burke, Property Disposal Div.; and Al LaGrone, Con-

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SLOGANS FOR SAFETY—Mrs. Martha Andrzejewski and Henry T. Asselin of the Provost Marshal Division are proud of the prizes they won in the safety slogan contest held as a part of OPERATION SAFE RETURN. Mrs. Andrzejewski's winning entry was "Safety—a good habit" and Asselin's, "Holidays—Safety Days." Col. William Luk, Provost Marshal, presented the awards.

trol Office.

Other coordinators are: Tom Gooch, Thiokol Chemical Corp.; Charley Wells, Rohm and Haas Co.; Paul Hodson, Ordnance Guided Missile School; and Grady Schell, U. S. Corps of Engineers.

Robert F. Bright is the coordinator for Bldg. 5250.

The Directorates have appointed Walter Redden, Research and Development; William Sparkman, Supply and Maintenance; Jim Mar-

tin, Procurement and Production; and CWO Hugo S. Mann, Missile Intelligence.

Coordinators for missile systems offices are: Lt. Col. John Bond, Zeus; Roy Phillips, Sergeant; William Murray, Honest John; Roy Rogers, Lance; Mrs. Dorris Petty, Pershing; Mrs. Rose Eskeridge, Mauler; Bill McPherson, Nike Hercules; Capt. B. J. Jennings, Target Missiles/MTE; and R. Theusch, Hawk.

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Bases To Be Closed

(Continued From Page 1)

proved facilities in the area.

OVERSEAS SUPPLY AGENCY, NEW ORLEANS, LA.: This activity now at New Orleans Army terminal will be phased out by July 1964. Most functions will be transferred to other Army supply activities.

FORT TILDEN, N.Y.: Inactivate except for Reserve Training Center. However, all real property will be retained for possible future use. Relocate Nikes to Montauk Point, Long Island (camp here) and Lido Beach, Long Island. Complete by December 1966.

FORT TOTTEN, N.Y.: Inactivate except for Reserve Training Center and family housing. However, all real property will be retained for possible future use. Relocate ARADCOM headquarters. Complete by December 1966.

SCHENECTADY/VOORHEESVILLE DEPOT, SCHENECTADY, N.Y.: Inactivate, declare excess, and turn over to the General Services Administration for disposal by December 1966. Relocate continuing supply missions to other Army or Defense Supply Agency depots.

MILLER FIELD, STATEN ISLAND, N.Y.: Inactivate and relocate activities to the Naval Air Station, Lakehurst, by June 1965. Retain property for Reserve Training and other possible future use.

OVERSEAS SUPPLY AGENCY, NEW YORK, N. Y.: This activity now at the Brooklyn Army Terminal will be phased out by July 1964. Most functions will be transferred to other Army supply activities.

ERIE ARMY DEPOT, PORT CLINTON, OHIO: Discontinue supply and maintenance mission and relocate to other Army depots by December 1966. Retain and use test and proof firing facilities.

FORT WORTH ARMY DEPOT, FORT WORTH, TEXAS: Declare excess and turn over to the General Services Administration for their use by December 1965. Relocate supply and maintenance missions to other Army depots.

CAMP GARY, SAN MARCOS, TEXAS: Presently inactive; declare excess and turn over to the General Services Administration for disposal by December 1964. Reassign mobilization flying training mission (ARMY) to other bases.

SEC. McNAMARA

(Continued From Page 1)

of the Defense Department Office of Economic Adjustments will be available to help communities find new payrolls.

Secretary McNamara initiated these economy actions on the basis of the Defense Department's continuing review of its base system. Considerations which led to the decisions were:

That changes in weapons systems, organizational structure and supply management concepts have reduced the need for some facilities. As a result, workloads at some facilities can be redistributed to other more modern and efficient installations to save personnel and overhead costs.

That consolidation of industrial

overhaul and repair facilities can lead to more economic operations.

That reductions in inventory achieved through more precise determination of requirements and increased utilization of excess material in lieu of new procurement have resulted in freeing capacity at major depots.

Previous actions taken by the Secretary of Defense in 1961 and 1962 to eliminate or reduce unnecessary installations and facilities (involving over 400 locations in the United States and overseas), will result, when completed, in 271,500 acres of real estate returned to civilian use; 54 industrial plants with commercial potential made available for sale to American industry; more than 53,000 military and civilian personnel released or reassigned; and annual operating savings of \$336 million.

U. S. Citizenship Course Offered

A citizenship course will be offered at the University of Alabama Huntsville Center beginning Jan. 8. Designed to aid foreign born persons to prepare for citizenship tests, this class will consist of ten weekly two-hour sessions held on Wednesday nights from 8:10 p.m. to 10:15 p.m.

Topics covered in this course will include a brief survey of American History, a study of the functions of government at local, state and national levels.

The course will be taught by Dr. Frances Roberts, Professor of History, of the Center faculty.

All persons interested in taking Citizenship for Foreign Born persons must fill in a special application for a non-credit course. These forms may be obtained at the Registrar's Office (Room 106) which is open from 9:00 a.m. to 8:00 p.m., Mondays through Thursdays and 9:00 a.m. to 5:00 p.m. on Fridays. Applications will be accepted through the deadline date of January 2.

CHOIR TO SING

The Alabama A and M Choir will present a program of Christmas music at the Redstone Arsenal Post Chapel Dec. 18 at 6:30 p.m.

Sponsor for the event is the Protestant Fellowship which is inviting all persons of the Arsenal community to attend.

More than 8,300 Federal employees work in automatic data processing operations, which were virtually nonexistent in 1950.

Santa Will Arrive In Post 37 Engine

The Redstone Arsenal NCO Auxiliary is planning a Christmas party for children of members Dec. 23 at 3 p.m. in the NCO Club.

Santa will arrive in the American Legion Post No. 37 locomotive instead of a reindeer sleigh.

The committee who arranged for his visit includes Mrs. J. R. Moore, chairman; Mrs. Frank Reed, Mrs. William Lowery, and

NIKE X

(Continued From Page 1)

Army's anti-missile system program at White Sands.

Douglas Aircraft Company is the airframe contractor on the Zeus missile. Western Electric Company is the prime contractor and Bell Telephone Laboratories has responsibility for design and development of the system.

Keith Brown.

Reservations deadline is past.

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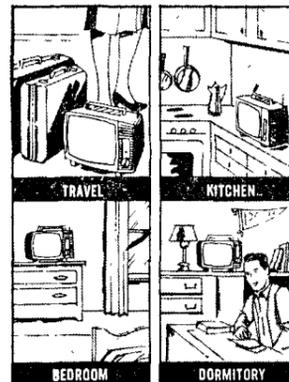
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ENGINEERING STUDENT LEADERS MEET GENERAL—The third distinguished lecturer for the U. of A. College of Engineering shown above is second left, Brig. Gen. Charles W. Eifler, Deputy CG, Land Combat Systems, U. S. Army Missile Command, as he shakes hands with Troy Nagle, Huntsville, president of the College of Engineering. At center Gary Hopkins, vice president, looks on and at far left is Dean James Cudworth of the Engineering College. The general spoke on "Management Needs Systems Engineering."

Engineering Management Discussed By Gen. Eifler

"The structure of organization and management is like a diamond," University of Alabama engineering students were told Wednesday by one of the Army's leading missilemen.

Brig. Gen. Charles W. Eifler, Deputy Commanding General of the U. S. Army Missile Command, spoke on "Management Needs Systems Engineering" at a sym-

posium for faculty members and advanced students of the College of Engineering at the University's Tuscaloosa campus.

In his presentation, Gen. Eifler explained that like a diamond, organization and management ". . . shines with brilliance if it is cut exactly and flawlessly . . . and is polished to perfection on each of its many surfaces."

Misjudgement Causes Most Accidents Safety Man Says

Vehicle accidents and injuries both reached four the past month, according to the Safety Office records.

On vehicle accidents, Jack Haynes, Arsenal Safety Officer, commented that the figures do not include the sudden upsurge of privately owned vehicle accidents which has occurred this past month.

"Many of these accidents," he said, "have occurred on Patton Road which has become increas-

ingly congested." He pointed out that the speed limit on Patton had been dropped to 40 miles per hour.

Referring to the accidents involving government vehicles, Haynes said, "Driver misjudgement continues to result in this loss. I again urge individuals to give their complete attention to the job at hand when under the wheel."

Incidents bringing about the accidents included an attempt to perform a 'U' turn and striking a pole, the backing of a truck with lowered tailgate which struck a parked car, and loss of control due to traveling too fast for weather conditions. Also, a driver of a privately owned vehicle failed to observe a red traffic signal and the car struck a government vehicle.

One of the accident reports was a result of the above collision. Other incidents which led to civilian injuries follow:

An employee was arising from his desk chair, caught his foot and fell. He fractured his ankle.

While unloading a van an employee stepped between the van and dock. As a result he received a skull fracture.

The only military injury was a sprained leg sustained during a post football game.

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Team	Won	Lost
No. 5	23	7
No. 3	19½	10½
No. 4	17	13
No. 2	16½	13½
No. 8	14	16
No. 1	13	17
No. 7	11	19
No. 6	6	24

High Average (Boys):
Thompson—118
High Game (Boys):
Harris—164
High Average (Girls):
Quantaz—103
High Game (Girls):
Graham—152

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Team	Won	Lost
Merry Mrs.	31	17
Gamblers	28	20
Comets	25	23
Who Cares	24	24
Missers	24	24
Crazy Eights	23	25
Poor Excuses	20	28
Misfits	17	31

High Team 3 Games:
Comets—1839
High Team Game:
Crazy Eights—691
High Ind. 3 Games:
Babes—529
High Ind. Game:
Lau—213

ENLISTED MEN LEAGUE

Team	Won	Lost
Heglers	38	18
Draggins	37	19
Hotshot	28½	27½
Dolittles	28	28
Unpredictables	25½	30½
Brokenettes	25	31
Breaking Points	22	34
Washouts	20	36

High Team 3 Games:
Hotshots—2027
High Team Game:
Draggins—728
High Ind. Game (Men):
Homer—244
High Ind. Game (Women):
McClure—207
High Ind. 3 Game (Men):
Taormino—620
High Ind. 3 Game (Women):
Arnold—561

OGMS OFFICERS LEAGUE

Team	Won	Lost
Rounders	26	14
Zeros	26	18
Admin	22	18
Bohunks	22	22
Bowl Weevils	20	24
Missile Comp. Div.	12	32

High Team 3 Games:
Rounders—2545
High Team Game:
Rounders—873
High Ind. 3 Games:
Hitt—623
High Ind. Game:
Hitt—236

THURSDAY MORNING LADIES LEAGUE

Team	Won	Lost
Spiits	24½	15½
Tryettes	22½	17½
The U. N.	22	18
Roaring Trio	20½	19½
Terrific Trio	19	21
Gutter Duster	18½	21½
Old Timers	18	22
Youngsters	15	25

High Team 3 Games:
Roaring Trio—1265
High Team Game:
Roaring Trio—460
High Ind. 3 Games:
J. Arnold—533
High Ind. Game:
J. Arnold—222

AMERICAN BRITISH CANADIAN OFFICERS LEAGUE

Team	Won	Lost
S. Winners	75	21
Lucky Strikes	69	27
Wheezers	56	40
Black Jacks	54	42
Hopefuls	44	52
AF Jupilos	36	60
Pin Splitters	34	62
Maulers	18	78

High Team 3 Games:
S. Winners—2755
High Team Game:
Lucky Strikes—990
High Ind. 3 Games:
Schasky—556

RSA OFFICERS LEAGUE

Team	Won	Lost
Spoilers	34	18
Mets	32	20
Robbers	28	24
Bandits	25	27
Medico No. 1	25	27
Procure Mites	24	28
Allevcats	23	29
OGMS	19	33

High Team 3 Games:
Spoilers—2600
High Team Game:
Spoilers—951
High Ind. Game:
Ailles—245
High Ind. 3 Games:
Drissel—634

SCHOOL TROOP COMMAND LEAGUE

Team	Won	Lost
Raiders	41	11
The Bisons	39	13
Co. "C" No. 1	27	25
Pop Tops	26½	25½
Pin Pickers	25	27
Five Aces	20½	31½
Co. "C" No. 2	19	33
Hq. STC	10	42

High Team 3 Games:
Raiders—2697
High Team Game:
Raiders—937
High Ind. 3 Games:
Kasper—628
High Ind. Game:
Kasper—245

SATURN BOOSTER LEAGUE "A" DIVISION

Team	Won	Lost
Black Forest Lounge	43	13
Spaco	33	23
Hayes Top Seven	31	25
Lockheed (RIFT)	31	25
Martin Company. Mfg. Div.	30	26
Hilding Holmberg	28	28
Brunson Instruments	28	28
Garrett Airesearch Corp.	26	30
Hall's 66 Service	26	30
Republic Aviation Corp.	24	32
C. W. Stewart Machinery	20	36
Hayes Ex-Cons	16	40

209 GAMES:
Gibson, 201; Johnson, 201;
Yates, 202; Shaw, 211; Clark, 215.

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"B" DIVISION

Team	Won	Lost
Redstone Fed. Credit Union	42	14
Pin Palace Lanes	38	18
Arrowhead Products	34	22
Norris-Riddle Furn.	31	25
Mart	31	25
All Sports Trophies	30	26
RCA	29	27
Redstone Mach. & Tool	26	30

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Terry Heights Cleaners 24 32
Hayes Designers 22 34
Progressive Welders 18 38
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Cothren, 200; Hicklin, 201, 214; Mosser, 204; Brady, 208; Mal-lory, 212; Johnson, 214; Acker-man, 215.

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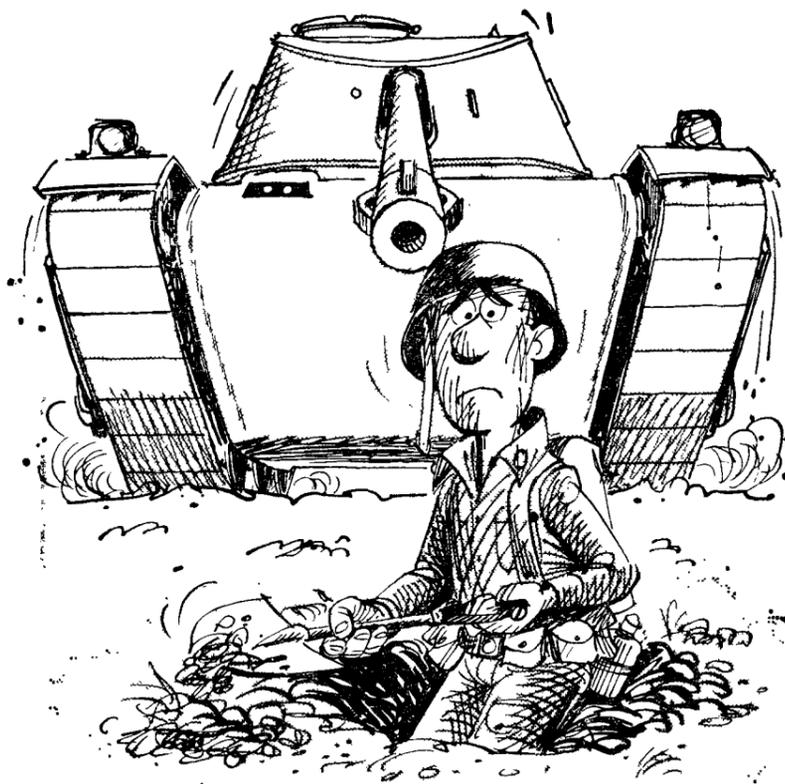
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FORMER COMMANDANT VISITS—Col. Henry S. Newhall, who was commandant of the Army Ordnance Guided Missile School from 1955 to 1959, is shown here at left as he visited the present commandant, Col. William J. Macpherson. They are examining models of the Sergeant and Pershing missiles that have been added to the school's curriculum this year. Col. Newhall now lives in New York City.

Marine Sergeant Receives Army's Scholastic Award

A Marine Corps sergeant whose father is an officer in the Air Force has won the Army's highest academic honor at the Ordnance Guided Missile School.

Staff Sgt. Frank L. Miller won the outstanding student award of the Association of the U. S. Army with an average of 97.2 in a supervisor's course on the Hawk air defense missile which is used by both the Army and the Marines.

He was high man in a class of 84 American and German graduates who received diplomas. The presentation was made by John E. Hatch Jr., president of the local AUSA chapter.

The sergeant is the son of Maj. and Mrs. Frank H. Miller who are stationed at Tachikawa Air Force Base in Japan.

Miller is attached to the Marine's Second Missile Battalion at Twenty-nine Palms, Calif.

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Patty Cake, Patty Cake, Baker's Man....

Since 1525 when one of the first cookbooks was published in England, and the 1530's when Catherine de Medici made preparation of fine food a noble art in Paris, interest in cooking has burgeoned like mushrooms.

A group of ladies whose husbands are associated with the Army Missile Command are among the world citizens who have a lively interest in cooking. They are the wives of the liaison officers.

As Christmas approaches, they bring out traditional family recipes and recipes they've collected while traveling from pillar to post.

Mrs. G. O. Brown, wife of the major who heads the Canadian Liaison Office, is a vivacious and happy lady. (Incidentally, it is claimed that one of the early meanings of "lady" was "cake-giver")

She offers two recipes that fit particularly well with an elaborate Christmas feast when everyone is already stuffed from the main courses.

One is called Scotch Cake, and was brought to Canada from the Bobby Burns neighborhood in Scotland by Maj. Brown's grandmother.

SCOTCH CAKE

Cream well 1/2 lb. butter and 4 tablespoons icing sugar.

Add to butter, one at a time 1/2 Cup flour

1 tablespoon corn starch

Now add 1 1/2 cups flour well sifted and beat mixture until smooth. Roll into balls (size of small walnuts) and fork flat or cut to desired shape. Cook in slow oven for 25-30 minutes.

Note: Slow oven temperature is 275 to 300 degrees F.

Variations: Decorate with red or green cherries, nuts, or cake decorations.

The other recipe is for Pineapple Cream which is easy to prepare, is light and delicious.

PINEAPPLE CREAM

Put 1 can crushed pineapple up in a saucepan. Add 1 tablespoon lemon juice and 2 heaping tablespoons sugar. Stir and heat.

Into a bowl, put 1 tablespoon of gelatin (2 for large can of pineapple) and 1/2 cup cold water.

When saucepan ingredients are heated, stir into gelatin and let jell. When jelled, add still whipped cream and 1 tablespoon powdered sugar. Then beat jelled pineapple into cream. Place in refrig-

erator to set and leave there until ready to serve.

Lt. Col. and Mrs. R. A. Newman are a hospitable, gracious couple who welcome callers during the holidays and frequently serve them Christmas cookies. Col. Newman is the Air Force Liaison Officer.

A native Virginian, Mrs. Newman entertains delightfully in their comfortable home on Wadsworth Drive. Her cookies are tasty and easy to prepare, an added bonus during a busy season.

Here are two of her cookie recipes.

CHEESE SHORTIES

1 pound sharp cheese, grated

1/2 pound butter or margarine

2 Cups sifted flour

Dash garlic salt

Cayenne

Warm cheese and butter to room temperature. Cream together until fluffy. Add flour and garlic salt, mix thoroughly. Make into rolls 1 1/2 inches in diameter and roll up in waxed paper. Chill several hours or longer and cut in 1/3 inch slices. Place on cookie sheets one inch apart. Bake in hot oven 400 degrees F. about 10 minutes. Do not brown. Sprinkle with cayenne. Serve hot or cold. To store, keep in air tight container. These are good served with egg-nog.

LACE COOKIES

1 Cup butter (melted)

3 Cups brown sugar

1 beaten egg

1/4 teaspoon salt

1 teaspoon vanilla

4 Cups quick cook oats

Cream butter, sugar and egg together. Add salt, vanilla and oats.

Drop cookies by teaspoon 2 or 3 inches apart. Bake at 325 degrees F. 10 to 12 minutes. Cool slightly before removing.

Every September, Mrs. William Graham makes six Christmas puddings in traditional British style. One is kept 15 months to be eaten on Christmas day the following year. The others are for the current holidays and throughout the year.

A friendly, sparkling lady, Mrs. Graham is enthusiastic about all she does, and she does many things. She has a ballet class at the Officers Club, and plans to start one in town after the first of the year. She serves as a Gray Lady three times a week, and does the chore-

ography for a local theatre group. According to her husband, Lt. Col. Graham, the British Liaison Officer, it's hard to find her at home.

Her recipe for Christmas pudding is a story by itself. Here it is to be read and enjoyed.

CHRISTMAS PUDDING

An old recipe said to have been "invented" by Dr. Samuel Johnson.

Ingredients:

1 small white crusty loaf

1 quart milk

1/2 lb best beef suet finely

shredded

1/4 lb raisins (stoned by hand)

1/4 cup flour

1/2 lb currants

1/2 lb candied peel shredded

1/4 lb candied citron shredded

1/2 lb brown sugar

2 oz raw grated carrot

2 oz lemon rind chopped

1/4 lb chopped almonds

6 eggs

Pinch of salt

12 oz bottle of stout or dark

beer

1 oz rum

Crumble the bread and crust finely and soak in the milk for 24 hours. Add the rest of the ingredients except for the eggs, beer and rum and stir well. Beat the eggs and add to the mixture. Lastly stir in the beer and rum.

Put into one large or two small pudding basins. Place grease-proof paper on the top and tie a pudding cloth over the top. Place in a pan with water half way up the basin and cover closely. Steam for 8 hours refilling with boiling water as necessary.

Remove the cloth and put on a clean one. This pudding will keep forever. Steam again for two hours before serving on Christmas Day.

Each member of the family is required to stir the pudding, making a wish at the same time.

For the children, the pudding should be bursting with tiny gifts of silver coins and silver charms, all scrubbed first and then wrapped in a twist of grease-proof paper.

Serve with a sprig of berried holly stuck in the top.

A spoonful of flaming brandy may be poured over the pudding just prior to cutting. A brandy sauce may also be used.

BRANDY SAUCE

Ingredients:

1 oz butter

1 oz cornstarch

4 oz milk



IT'S TIME FOR CALLERS—Mrs. R. A. Newman arranges Christmas foods on her table for those who drop in during the holidays. Her specialty for this season is a variety of cookies that are a nice accompaniment for egg-nog, or to serve with tea and coffee. Col. Newman is the Air Force Liaison Officer.



PUDDING FIT FOR A QUEEN—Mrs. William Graham, wife of the British Liaison Officer at the Missile Command, shows one of her Christmas puddings as she stands under a portrait of Queen Elizabeth. She said this is just a tiny pudding, and that most they make are about 10 inches in diameter.

4 oz brandy

Melt the butter in a saucepan, add the cornstarch and stir quickly until the mixture becomes honeycombed. Take the pan off the stove and add the brandy and milk by degrees, stirring all the time. Return to the heat and cook for 5 minutes, stirring continuously.

Over at the home of Lt. Col. R. M. Pearce, the Combat Developments Command Liaison Officer, there are some tidbits hidden away awaiting the holidays. These are bourbon balls, easy to prepare, but hard to keep on hand, Mrs. Pearce says! The recipe is something they not only enjoy eating, but have fun in making, too.

This is the second tour at Redstone for the Pearce family. They were here for 14 months during 1956-57. Then Col. Pearce went to Command and General Staff College, Ft. Leavenworth, Kans. The next stop was Washington, D. C., and three years in the Pentagon for Col. Pearce, with the Office of the Army Chief of Research and Development.

Mrs. Pearce and the children stayed in Washington while Col. Pearce went to Korea. They moved to Redstone in August 1962 so the children could get started in school, and Col. Pearce arrived

(Continued on Next Page)



FRESH FROM THE OVEN—Mrs. W. O. Brown takes another tin of Scotch Cake cookies from the oven for Bonnie, 16, to decorate for Christmas. A simple, light, dessert, the Browns recommend these cookies after a big meal, Major Brown, the Canadian Liaison Officer, says the children can eat a stack of them when they come home from school, without filling up before dinner.

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MAKING THE ADVENT WREATH—Mrs. R. M. Pearce, (right), wife of Lt. Col. Pearce, the CDC Liaison Officer, shows the Pearce twins, David and Perry (left), 15, and son, "Mac", 16, how the Advent Wreath should be arranged. The Pearces have been making these wreaths for Christmas since their three years in Germany, 1952-55. All three young Pearces were born at West Point, N.Y. while their father was studying for his master's degree at New York University. "Mac" is now a student at Columbia Military Academy.



USING THE KRUMKAKER "JERN"—Mrs. J. G. Waterman and son Kenneth, 10, have just gotten out the iron the family brought back from Norway for use in making a Norwegian holiday delicacy, krumkaker. "Jern" is the Norwegian word for "iron." Also brought out at this time of year are the forms for another Norwegian goodie called sanskaker. The Waterman home is one of the most historical houses on the arsenal, and still has small rooms at the back dating from the days when slaves were housed there. This photo, made in the dining room, shows too, some of the beautiful furniture they brought from Norway.

PATTY CAKE

(Continued From Preceding Page)

from Korea in October. Col. Pearce is originally from Louisville, Ky., and Mrs. Pearce from High Point, N.C. She is now employed at the Army Missile Command.

The recipe for bourbon balls,

with comments, is as follows:

BOURBON BALLS

- 2½ Cups finely crushed vanilla wafers
- 1 Cup powdered sugar
- 2 Tablespoons cocoa
- 1 Cup finely chopped pecans
- 3 Tablespoons corn syrup
- ¼ Cup bourbon
- Powdered sugar

Mix first four ingredients well.

Add syrup, bourbon, mix well. Roll into 1" balls; then roll in sugar. Put in coffee can lined with handi-wrap and seal top of can with adhesive tape. Allow to "age" (ripen) a minimum of three weeks — if your family doesn't know where the hiding place is!

Mrs. Martin Pearson, the lovely blonde chatelaine of the Marine



LET'S TRY THIS ONE—The Pearsons get out some of mother's extensive collection of cookbooks to see if they'd like to try some new recipes this Christmas. Carol, 10, whose birthday falls on Christmas, shows her mother the one she likes as Lyne, 13, Martin, 9, and Karen, 13 months, are interested in seeing what she's found. Daddy is Maj. Martin Pearson, the Marine Corps Liaison Officer.

Corps Liaison Officer's household, says the most used cookbook in their home is one called "Swedish Food." Published in Sweden, it is a compilation of 200 selected Swedish recipes. Both Maj. and Mrs. Pearson have Swedish ancestors, and recall many family customs in eating and holiday food preparation.

There's an imposing array of cookbooks in the Pearson kitchen, but Mrs. Pearson says some of them have proved disappointing because they call for exotic dishes too difficult to execute. Also, they include hard-to-get ingredients.

One of their favorite Christmas recipes from Sweden is for Pepparkakor, or Ginger Snaps.

PEPPARKAKOR

- 2/3 Cup brown or ordinary sugar
- 2/3 Cup molasses
- 1 tsp ginger
- 1 tsp cinnamon
- ½ tsp cloves
- ¾ tsp baking soda
- 2/3 Cup butter
- 1 egg
- 5 Cups flour

Heat sugar, molasses and spices to boiling point. Add baking soda and pour mixture over butter in bowl. Stir until butter melts. Add egg and sifted flour and blend thoroughly. Knead on baking board. Chill. Roll out and cut with fancy cutters (at Christmas, into Santa Claus shapes. Christmas trees, hearts, animal forms, etc.)

Place on greased baking sheet and bake in slow to moderate oven (350 degrees F 8-10 minutes).

The Waterman family came to Redstone after three years in Norway and brought some recipes with them for dishes they enjoyed there. Lt. Col. J. G. Waterman is the ARADCOM Liaison Officer.

Mrs. Waterman speaks lucidly and charmingly of their life in Norway. She said they were all determined to learn to speak Norwegian, and she started by arming herself with enough terms to shop in Oslo. Going into a grocery, she carefully spoke Norwegian. The merchant answered her in perfect English!

Their fruits and vegetables came from Europe and Africa, and she remembers that lettuce was an expensive item. The Waterman family likes green salads, and it took a head per person to make salads for them as the type available in Norway is a loose leaf variety. The cucumbers were so long that they were sold by the portion as watermelons often are in U.S. stores.

The Norwegians prepare a festive board of many foods for Christmas. One year the Watermans went to a site above Oslo to enjoy this holiday feast. "We were high above the city, and looked down on the snow-capped,

lighted area that was like fairyland. When we saw cars coming up the winding road, we felt they were intruding on a scene that belonged to another age when cars were unknown," Mrs. Waterman said.

A special holiday delicacy in Norway is Krumkaker which is cooked in a flat iron on top of the stove. When done, it is pliable and can be shaped over cups or forms to cool and set. Then it is filled with whipped cream or fruits.

The Norwegian recipe for Krumkaker reads like this:

- 3 hele egg perket godt met
- 5 sp sukker
- 3 a 4 sp smelte smor
- 2 sp potetmel egg
- hvitemel til
- pass bykk serg
- 7 sp Flottemelk
- noen citron-scrapes

A Norwegian friend helped Mrs. Waterman convert this recipe into our terms and measurements.

- ½ Cup butter
- ½ Cup sugar
- ¾ Cup flour
- 3 egg whites and one egg yolk beaten together
- Vanilla and almond flavoring

Mrs. E. E. Dutton whose husband is the Mobility Command Liaison Officer has given a recipe for a colorful pie appropriate for holiday menus. It is Cherry-O-Pie.

CHERRY-O-PIE

- Cook until right consistency:
- 1 can Eagle Brand milk
- 1 8-oz. cream cheese
- 1/3 Cup lemon juice
- 1 teaspoon vanilla
- 1 Cup pie cherries drained
- ½ Cup cherry juice
- 2 Tablespoons sugar
- 2 Tablespoons corn starch
- Red food coloring
- Cook and put in graham cracker pie crust.

The Duttons reside near Monrovia because they prefer country living. Their nine-year-old daughter has all kinds of pets including a pony, dogs, cats, chickens. Her daddy says that in his opinion, the country is the place to raise children.

The Duttons have been here four years, coming from Texas.

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Material Awards Chrysler Contract

The U. S. Army Materiel Command awarded a \$45,282,583 contract to the Chrysler Corporation to operate AMC's tank plant in Cleveland.

The Cadillac division of General Motors Corporation has operated

the plant since 1950.

Under the contract, Chrysler will produce 1,200 armored reconnaissance carriers and 428 self-propelled 155 mm howitzers at the plant. The contract awards are for a year's deliveries.

Twenty-seven concerns were solicited for bids on a nationwide basis, but only two proposals were received.

'No Shortcuts' Capt. Cole Tells Missile Class

There are no shortcuts to perfection in the missile field, Capt. William A. Cole, told 83 graduates of eight courses Friday at the post theater.

Capt. Cole, special assistant to the Sergeant Project manager, emphasized that although combat groups seldom "get the glory" they play a tremendous important role in the missile age. He stressed that the missile combat units depend on the support groups to make the missiles "available on time."

Marine S/Sgt Frank Miller was awarded an AUSA plaque for

achieving a 97.2 average in the Hawk maintenance supervision course.

Honor graduates in other classes were S/Sgt Albert Fritsch of Germany, ballistic missile propulsion and structures repair; S/Sgt Kurt Schusser of Germany, ballistic missile maintenance technician; PFC Paul H. Wirzburger, ballistic missile inertial guidance repair; Sgt. Han-Joachim Bastian of Germany, ballistic missile test equipment repair; Pvt. Kenneth B. Coglon, ballistic missile helper; Pvt. Harold Hornlien Jr., guided missile electronics helper.

December 8, 1946 — The first rocket plane built in the United States designed for supersonic flight to carry a human, the Army Rocket Plane XS-1, manufactured by the Bell Aircraft Corp., Buffalo, New York.

'FORCED' RESIGNATIONS STUDIED

Civil Service Commission is studying proposed new regulations concerning "forced" resignations, requested reductions in rank or compensation, and other similar personnel actions involving Federal employees. The regulations, if approved, would establish a uniform policy among Government agencies in dealing with these actions. The study stems from a recent decision in the Paroczay vs. Hodges case by the U. S. District Court for the District of Columbia.

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- 30 French Hens
- 22 Turtle Doves
- and 12 Partridges in 12 Pear Trees.

Feel better?

Movie Schedule

*****	"Johnny Cool" (M)	TUESDAY, December 24
*****	SATURDAY, December 21	"Stop! Look! and Laugh!" (F)
*****	"Dondi" (F)	One performance at 1800 hours.
*****	WEDNESDAY, December 18	Two shows nightly at 6 and 8:30 p.m., Saturday matinee at 1 p.m., and Sunday matinee at 2 p.m.
*****	"Billy Liar" (M-YP)	
*****	THURSDAY - FRIDAY, December 19-20	
*****	SUNDAY-MONDAY, December 22-23	
*****	"Siege of the Saxons" (F)	

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W. K. PATTERSON

Patterson Presents Paper At Wire, Cable Meeting

An Army Missile Command engineer took part the past week in the 12th Annual Wire and Cable Symposium at Asbury Park, N.J.

Willie K. Patterson, an aeronautical engineer with the Directorate of Research and Development, discussed cable needs for missile ground support equipment, and told the group advances must be made in the field of electrical cables in order to keep pace with swiftly changing technology in the guided missile field.

More than 1,100 engineers and

scientists attended the symposium which was jointly sponsored by the Signal Corps and industry.

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WINTER QUARTER
Jan. 2 - March 20, 1964
Classes Begin - Jan. 6

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Placement Tests:

Jan. 2: Math-6:00 p.m.; English-7:00 p.m.
Jan. 4: Math-9:00 a.m.; English-10:00 a.m.

REGISTRATION: JAN. 2 and 3 - 12:00 - 8:00 p.m.

SCHEDULE OF CLASSES

Last Day of Registration: Jan. 15

MONDAY AND WEDNESDAY

Course	Title - Prerequisite	Sem. Hrs.
EH2	English Composition - EH 1 (9:55 - 12 noon)	3
ART	Workshop (Wed. only) (9:00 - 12 noon) See brochure	NC
FIRST PERIOD (3:30 - 5:55 p.m.)		
EE 177	Automatic Control Theory - EE 134	3
EE 210	Analog Computer Techniques - MA 53, Grad. standing Lab to be arranged	3
EE 212	Network Synthesis - EE 211, Grad. standing	3
IE 255	Statistical Methods for Engineers - MA 51, Grad. standing	3
MA 126	Partial Differential Equations - 17 hrs. mathematics	3
MA 171	Introduction to Topology - 17 hrs. mathematics	3
ME 202	Fundamentals of Thermodynamics II - ME 201, Grad. standing	3
PH 103b	Elementary Quantum Mechanics - PH 103a	3
SECOND PERIOD (6:00 - 8:05 p.m.)		
ACC 100	Advanced Accounting - Acc 53	Cert.
AE 225	Advanced Dynamics of Flight - AE 177, Grad. standing	3
BIO 2	General Biology (Lab Fri., 6-10 p.m.) BIO none	4
CH I	General Chemistry (Lab Fri., 6-10 p.m.) - MA 9 or MA 11	4
CH 222	Instrumental Methods of Analysis - CH 221 (Fall 1963), Grad. standing	3
CH 232	Advanced Organic Chemistry - CH 231, Grad. standing	3
DR 11	Engineering Drawing (Lab Fri., 6-10 p.m.) - Concurrent MA 25 or evidence of previous instruction in Mechanical Drawing	2
DP	Data Processing - None (See brochure)	NC
ED 211	Principles of Guidance (Mon. only - Grad. standing)	3
ED 291	Principles of Curriculum Development (Mon. only - Grad. standing)	3
EE 201	Transients in Linear Systems - EE 134, Grad. standing	3
EE 222	Electromagnetic Field Theory - EE 221, Grad. standing	3
EH 1	English Composition - (See footnote)	3
EH 2	English Composition - EH 1	3
EH 51	Fiction Writing (Add. 4 hrs. arranged) - 9 hrs. English and permission of instructor	4
GN 2	Elementary German - GN 1	3
HU 102	Foundations of the Modern World, Jr. standing, Engr. students only	3
HY 22	United States Since 1865 - none	3
ID	Interior Design (Mon. only) (See brochure)	NC
IE 159	Introduction to Operations Research - IE 255	3
MA 49a	Calculus & Analytic Geometry - MA 25	3
MA 49b	Calculus & Analytic Geometry - MA 49a	2
MA 73	Theory of Equations - 12 hrs. mathematics	3
MA 120	Criteria for Solvability of Differential Equations - 17 hrs. mathematics	3
MA 256	Complex Analysis II - MA 255, Grad. standing	3
ME 171	Mechanical Equipment Control - MA 53, EE 104	3
MH 80	Fluid Mechanics - MH 56, ME 95	3
MH 265	Theory of Elasticity I - MH 251, Grad. standing	3
MH 281	Advanced Fluid Mechanics - MH 80, MH 251, Grad. standing	3
MKT 1	Industries and Commerce - none	3
PH 141	Geometrical & Physical Optics - MA 51	3
PH 201	Classical Dynamics - 20 hrs. Physics, Grad. standing	3
PHL 3	Problems of Philosophy - none	3
SP 1	Elementary Spanish - none	3
SPE 99-209	Children and Youth with Multiple Disabilities (Mon. only) Grad. standing and permission of instructor	3
THIRD PERIOD (8:10-10:15 p.m.)		
ACC 2	Principles of Accounting - ACC 1	3
BL 52	Introduction to Business Law - BL 51	3
CI	Citizenship For Foreign Born (Wed. only) (See brochure)	NC
CR	Calculus Review - none	NC
DR 12	Descriptive Geometry (Lab Fri., 6-10 p.m.) - DR 11	2
DCF 1	Digital Computer Fundamentals I - (See brochure)	NC
EC 11	Principles of Economics, Part I - none	3
EE 54	Electric Circuits 1 - EE 51, MA 51	3
EE 56	Electric Circuits Lab I (Fri. 6-10 p.m.) - EE 54 concurrent	1
EE 223	Pulse and Digital Circuits - EE 151 or EE 171, Grad. standing	3
EH 6	English Literature - EH 5	3
EH 52	Fiction Writing (Add. 4 hrs. by arrangement) - EH 51 and permission of instructor	4
GES 221	Graduate Engineering Analysis I - MA 53, Grad. standing	3
GN 4	Intermediate German - GN 3	3
GY 1	Physical Geography (Lab Sat. 9-12 noon) - none	4
IE 54	Engineering Organization - EC 41 or EC 11	3
MA 9	College Algebra - (See footnote)	3
MA 15	Analytic Trigonometry - MA 9 or MA 11	3
MA 25	Analytic Geometry and Calculus - MA 9 or MA 11, MA 15	3
MA 144	Determinants & Matrices - 17 hrs. mathematics	3
ME 163	Principles of Propulsion - ME 136	3
MH 161	Advanced Mechanics of Materials I - MH 64	3
PH 5c	Technical Physics (Mechanics) (Lab Thur. 5-8 p.m.) - MA 25 or parallel; recommended parallel MA 49a	3
PSC 1	Principles of American Government - none	3
SH 3	Voice and Diction - none	3

TUESDAY AND THURSDAY

Course	Title - Prerequisite	Sem. Hrs.
FR 2	Elementary French FR 1 (10:10 a.m. - 12 noon)	3
HY 2	History of Western Civilization (8:00-10:05 a.m.) - none	3
PHL 6	Ethics (10:10 - 12:15 p.m.) - none	3
SH 1	Elementary Public Speaking (8:00-10:05 a.m.) - none	3
ART	Drawing Workshop (Tues. 9-12 noon) - none (See brochure)	NC
FIRST PERIOD (3:50 - 5:55 p.m.)		
EE 205	Servomechanisms (Lab Wed., 6-10 p.m.) - EE 177, Grad. standing	3
EE 221	Electromagnetic Field Theory - EE 181, Grad. standing	3
EE 302	Plasma Dynamics I - EE 122, Grad. standing	3
IE 256	Design and Analysis of Experiments - IE 255, Grad. standing and permission of instructor	3
MA 201	Introduction to Graduate Mathematics - Grad. standing	3
MA 266	Calculus of Variations - Grad. standing	3
MA 293	Seminar - Topic in Geometry - Permission of instructor, Grad. standing	1-3
ME 208	Heat Conduction - Grad. standing	3
SECOND PERIOD (6:00 - 8:05 p.m.)		
ACC 1	Principles of Accounting - none	3
AE 232	Astroynamics II - AE 160, Grad. standing	3
AE 261	Introduction to Aeroelasticity - AE 188	3
ART 11a, 11b, 12a, 12b	Drawing I (Tues. only 6-10 p.m.) - none	1½
CH 241	Advanced Physical Chemistry - Grad. standing	3
DCF 2	Digital Computer Fundamentals II (See brochure)	NC
EE 395-396	Seminar (one day weekly) - Grad. standing	0-1
EH 5	English Literature - EH 2	3
FR 1	Elementary French - none	3
GN 3	Intermediate German - GN 2	3
HY 2	History of Western Civilization - none	3
IE 55	Introduction to Engineering Statistics - MA 49, concurrent MA 51	3
MA 01	High School Algebra - none	NC
MA 9	College Algebra (See footnote)	3
MA 11	Introductory College Mathematics (See footnote)	3
MA 51	Calculus - MA 49	4
MA 142	Introduction to Higher Algebra - 17 hrs. of mathematics	3
MA 266	Calculus of Variations - Graduate standing	3
ME 95	Thermodynamics I - PH 5, MA 51	3
ME 136	Thermodynamics II - ME 95	3
ME 295-296	Seminar (one day weekly) - Grad. standing	0-1
MH 56	Dynamics - MH 55 and MA 51	3
MH 257	Advanced Dynamics - MH 251, Grad. standing	3
MH 395-396	Seminar (one day weekly) (Fluid Mechanics students only) Grad. Standing	0-1
PH 6c	Technical Physics (Heat, Light and Sound) (Lab - Wed. 5-8 p.m.) PH 5c	3
PH 59	Methods of Theoretical Physics - MA 51 or parallel MA 51	3
PH 222	Kinetic Theory and Statistical Mechanics I, 20 hrs. physics, Grad. standing, and permission of instructor	3
PY 1	Introduction to Psychology - none	3
THIRD PERIOD (8:10-10:15 p.m.)		
EC 12	Principles of Economics, Part II - EC 11	3
EE 178	Advanced Communications I - EE 171	3
EH 03	Fundamentals of English - none	NC
EH 1	English Composition (See footnote)	3
EH 2	English Composition - EH 1	3
EH 42	English Composition for Engineers - EH 41	3
FR 2	Elementary French - FR 1	3
GEO 2	General Geology (Lab, Sat. 9-12 noon) - GEO 1	4
GES 222	Graduate Engineering Analysis II - GES 221, Grad. standing	3
GN	Elementary German - GN 1	3
HY 91	Europe, 1500 - 1815 - 9 hrs. history or senior standing	3
INV 1	Investments (Thurs. only) - none (See brochure)	NC
MA 02	High School Geometry - none	NC
MA 15	Analytic Trigonometry - MA 9 or MA 11	3
MA 25	Analytic Geometry and Calculus - MA 9 or MA 11, MA 15	3
MA 49a	Calculus and Analytic Geometry - MA 25	3
MA 49b	Calculus and Analytic Geometry - MA 49a	2
MA 53	Applied Differential Equations - MA 51	3
MA 98	Introduction to the Theory of Differential Equations - MA 91	3
MGT 52	Labor Economics - EC 12	3
MH 55	Statics - MA 49, PH 5, parallel MA 51	3
MH 64a	Mechanics of Materials, Part I - MH 55, MA 51	2
MH 155	Mechanical Vibrations - MH 56, MH 64, MA 53	3
PH 72a	Mechanics - PH 59	3
PSC 9	State Government - PSC 1	3
PY 7	Psychology of Adjustment - PY 1	3
RI	Reading Improvement - none (See brochure)	NC
COURSES WITH SPECIAL SCHEDULES		
ED 90	Principles of High School Teaching (Sem. course) - ED 88	3
ED 97	Secondary Student Teaching (Sem. course) - ED 88, senior standing, concurrent with ED 90	9
	Trends in Art Seminar (A series of lectures for which interested participants are invited to inquire.) (See brochure.)	NC

Boldface symbols indicate Graduate Study Program Courses.

FOOTNOTE: Students are placed in appropriate sections of beginning English and Mathematics depending on score made on placement tests.

Children To Have Christmas Party

Santa will visit Redstone Arsenal Dec. 23, bringing gifts for children of military personnel.

Sponsored by the Joint Activities Council, Christmas parties with Santa and movies for sub-teens are provided for eligible children residing either on or off the installation.

To accommodate the more than 1500 children, age range 0 through 9, four Christmas parties will be held Dec. 23. Children with last names beginning with A through D will be entertained in the Rocket Auditorium at 9:30 a.m.; E through J, Post Theater, 9:30 a.m.; K through R Rocket Auditorium, 1:30 p.m.; and S through Z, Post Theater 1:30 p.m.

Buses to both morning parties will begin pick-up at 8:45 a.m. The second bus will depart for the party sites at 12:45 p.m. Buses will travel the regular school bus route.

A movie will be presented for children 10 through 12 Dec. 21 at 10 a.m. No transportation will be furnished for the movie.

The NCO Wives Auxiliary and the Redstone Arsenal Officers

Wives Club will decorate the theater and Rocket Auditorium for the events.

The NCO Club is furnishing men to help distribute the toys to both locations.

The Girl Scouts and Boy Scouts will act as ushers. Military Policemen will be on duty to handle traffic control at all four of the parties.

Births At Post Hospital

Andrew Aron Burday, 7 lbs., 4 ozs., Dec. 2, son of Capt. and Mrs. Stanford Z. Burday.

Melody Faith Rutledge, 6 lbs., 6 3/4 ozs., Dec. 3, daughter of Capt. and Mrs. Robert A. Rutledge.

Susan Renee Schonberger, 6 lbs., 2 1/2 ozs., Dec. 3, daughter of Sp4 and Mrs. Frederick J. Schonberger.

Andrew Thomas Welsh, 7 lbs., 7 ozs., Dec. 3, son of 1/Lt. and Mrs. James B. Welsh.

Stephanie Karen Berryman, 7 lbs., 10 1/4 ozs., Dec. 4, daughter of Sfc and Mrs. Dudley C. Berryman.

Kimberly Ann Peterson, 7 lbs., 5 1/2 ozs., Dec. 4, daughter of Pfc and Mrs. Richard S. Peterson.

Frederick William Garvin, 7 lbs., 2 ozs., Dec. 5, son of SSgt. and Mrs. Arvin P. Garvin.

Nancy Cecile Brantner, 8 lbs., 3 1/2 ozs., Dec. 7, daughter of Pvt. and Mrs. Richard L. Brantner.

Robert Alexander Veihelmann, 7 lbs., 15 1/2 ozs., Dec. 7, son of 1/Lt. and Mrs. Siegfried A. Veihelmann.

Linda Diana Jamieson, 7 lbs., 8 ozs., Dec. 8, daughter of 1/Lt.

Six Attend Logistics Course At Ft. Lee

Five Missile Command civilian employees and an officer have been enrolled for training courses in Procurement at the U. S. Army Logistics Management Center at Ft. Lee, Va.

Four of them, Doris Bendall, Franklin Cowart, Henry Darstein and Lt. Edward Wynn, are enrolled for the Defense Basic Procurement course. The other two, Andrew Cathey and Hector Finger, are taking the Defense Advanced Procurement Management Course.

Cathey is assigned to the Hercules Project Office, the rest are in the Procurement and Production Directorate.

and Mrs. Edward J. Jamieson.

Michael Edward Johnson, 8 lbs., 7 3/4 ozs., Dec. 8, son of EM2 and Mrs. Frank E. Johnson.

Michael Steve Foreman, 5 lbs., 1 oz., Dec. 9, son of Ret. MSgt. and Mrs. Chester L. Foreman.



PRE-SCHOOL PLANNING — Howard South, Charlie Syer and Wayne Treat (L to R) are shown making plans for the PERT/Cost school held last week in classrooms at the Training and Developing Center. Some 25 persons attended from the Army Missile Command, Zeus Project Office and Army Missile Support Command. Treat was instructor for the week-long course while South and Syer served as coordinators.

NO PLAQUE TO BE AWARDED

The Redstone Arsenal Officers Wives Garden Club will not present a plaque this month.

There will be no time for judging outdoor Christmas decorations when the period of mourning for President Kennedy is ended on Dec. 22.

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Page 14 The Redstone Rocket — Dec. 18, 1963

1. For Rent

WATERFRONT COTTAGE FOR RENT — Completely furnished, two bedroom, fire place, large livable area, fishing dock. Pine Island S/D—One month or long lease. ED NEELY REAL ESTATE, Box 224, Guntersville, Ala., 582-3914. 1-2c

RENT & HAVE FUN ON GUNTERSVILLE LAKE We have boat storage for your boat on Guntersville Lake. We have a space for your modern house trailer on Guntersville Lake. Call W&W LAND CO. or write Box 473, Huntsville, Ala. 12-18c

2 QUIET MEN FRIENDS to share bedroom with twin beds. Large living room with snack bar and refrigerator. TV, telephone, private entrance. Maid and laundry service. Phone 539-6803. 1tc

FURNISHED—1 or 2 bedroom apartments on dead-end street away from noise, yet very convenient to Gates 1, 8 and 9. Call 536-0775. 1tc

FOR RENT—Two nicely furnished 3 room apartments, private bath, tub and shower, private entrance, off street parking, natural gas heat, 417 and 419 East Clinton Ave., Couples only. \$75.00 per mo. Also one 2-room bachelor apartment, upstairs, 419 E. Clinton St., \$60.00 per mo. Phone 534-5127 or 534-4551 1tc

ROOMS FOR RENT—Single and double for men, with good habits, completely and newly decorated, economically priced Central YMCA Dial 534-5452 1tc

FOR RENT — TV's, portables, UHF-VHF, by day, week or month. Phone 536-9761. Central TV and Stereo Co., Inc., Corner Governors Drive and Parkway. Open 8 a.m. to 7 p.m. daily. 1tc

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2. Cars For Sale

1956 OLDS, 4 dr., auto., radio, heater, good tires, very clean, \$385.00. 876-6835 or 534-3874. Humphries. 1tc

1956 FORD STATION WAGON, straight shift, with overdrive, radio, heater, good tires, good condition. \$350.00. 876-6835 or 534-3874. Humphries. 1tc

LET US TRADE WITH YOU for Christmas. A better used car costs so little from us. Universal Motors, Inc., Used Car Dept. 539-7456. N. Memorial Parkway, Your VW Dealer. 1tc

WE WILL PAY TOP MONEY FOR YOUR USED CAR! Come to Universal Motors, Inc., Used Car Dept., just north of Oakwood Intersection on North Memorial Parkway Your VW Dealer. 1tc

WANT MORE FOR YOUR MONEY? Our fine selection of used cars can be bought for \$0.5 to \$75 or the original price. We're on North Parkway. Come see for yourself. Universal Motors. Your VW Dealer, Used Car Dept. 1tc

1960 PONTIAC VENTURA 4-door. Original owner, air condition, power brakes, steering, radio, new tires, excellent condition. \$1400.00 or best offer. Phone 536-8807. 1tc

CADILLAC BUYERS—We have 4 nice ones to choose from. Cpe. or sedan Call Don Williams, Texas Auto Sales, 536-6121. 1tc

1960 KARMANN GHIA CPE Clean local car. Discount for quick sale. Phone Texas Auto Sales, 536-6121. 1tc

5/10/5 Post Liability \$10.00 a Year

Service men, all ranks and ages, also Civilians

W. E. DICKEY INS. AGCY.

PHONE 539-1161
507 Terry Hutchens Bldg.
Huntsville, Alabama

Open Monday, Thursday and Friday nights from 5:00 to 9:00 p.m.

WHEEL ALIGNMENT \$4.88

(With This Ad)
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Fast Service - Expert Wheel Mechanic

All Work Fully Guaranteed U. S. TIRE SERVICE

Across From Butler High
DIAL 539-3482
Open 7 a.m. to 6 p.m.

1964 V.W. CONVERTIBLE only 1,400 miles. Local car. Discount for quick sale. Phone Texas Auto Sales, 536-6121. 1tc

FOR SALE—1962 Thunderbird, clean, one owner car, red and white interior, all power with factory air, new tires, \$3400. Phone 876-4708. 12-23c

CASH! FOR YOUR CAR—We need all makes and models. We will pay you more. We buy and sell imports, too. TEXAS AUTO SALES, Phone 536-6121. 1tc

3. Miscellaneous

FOR SALE — Several good riding horses and gentle Shetland ponies. For more information, or appointment to see, phone Bobby Moore, 536-7164, Huntsville, or E. L. Drinkard, Jr., Hartselle, 773-7302. 1tp

PRE-CHRISTMAS SALE—Heels 30% off, overshoes \$1.98, while they last. One lot Ladies' flats and stacked heels up to 42% off. All first quality. Come see at Standard Service Station, Joppa, Highway 69, 4 miles west Arab. 1tp

MANUSCRIPT AND ETC., TYPING AT HOME —Also typ'ng taught. Call 877-5049 1tc

LET'S PLAY BRIDGE! Join a learner's private club and enjoy learning Sessions supervised by an experienced and qualified instructor. Register NOW for DAY and NIGHT classes. Registration limited. Phone 881-3615. 12-24

ATTENTION MOTHERS—If you work, enroll your children in the Sunnydale Private School—Kindergarten through grade 6 Supervision will be provided for play and home work after school until 6 p.m. Accredited teachers, reasonable tuition, special emphasis on phonic, music and speech. For more information, Call 536-8444 evenings, 5 to 10 p.m. 1tc

FOR SALE—Newly reupholstered couch and chair, like new condition. Phone 539-0382 1tc

AUTO

POST LIABILITY INSURANCE
\$5/10 Bodily Injury
\$5000 Property Damage

\$10.00 year

C. J. WAITE

INSURANCE AGENCY
518 Madison St.
PHONE 536-9641

FOR SALE!

19 ACRES located 12 miles northeast of Cullman, 38 miles of Huntsville — COUNTRY ESTATES, all city conveniences. Large 3 bedroom brick home, 2 good wells, 1700 sq. ft. of living space, large oak shade tree, 2 full baths, gas heat, large patio and barbecue pit, large barn, two 10,000 capacity chicken houses, good fish pond fallout shelter, fenced and cross fenced. All this for only \$27,500.00.

22 ACRES, choice retirement property, tract located in a thickly settled community, 20 miles south of Huntsville on black-top highway. Area is a highly developed agricultural section. Has 6 room dwelling, 3 bedrooms, bath, fine well, good barn won't last long. \$8,000.00 E. G. WILLIAMSON, Real Estate Broker, pho. 734-6294, Cullman, Alabama. 1tc

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Ask for details on the low-cost long-term real estate loan plans now available.

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Also Many Economy Imports and of Course Guaranteed Used Volkswagens.

Your VW Dealer

ABS SECRETARIAL SERVICE — 408 Clinton Avenue, W., Huntsville, Ala. Phone 534-6451. CALL US FOR: Photocopying, mimeographing, transcribing (Dictaphone), telephone answering. Employment applications prepared (Government and other). Notary Public. (Our office or yours). 1tc

MODERN HEALTH CLUB SERVICES—Central Y.M.C.A., 203 South Greene St. is offering massages, turkish baths, electric heat, cabinets, ultra-violet and infra-red lamps, diathermy sun lamp, swimming pool. Graduate masseur in charge. Phone 534-2444. 1tc

ALL KINDS OF USED FURNITURE Trade-in on mobile homes. All kinds of appliances. See at Texas Auto & Mobile Home Sales, 1003 Meridian. No phone calls please! 1tc

NEW UHF CONVERTERS \$11.97

North Alabama's largest sales and service dealer for Zenith, RCA and Motorola TV and Stereo. Our prices are equal to or lower than advertised so called "discount or wholesale" prices. Price, then compare. Our merchandise is usually priced tagged at all times. We accept trade-ins. Used TVs sold for \$20 and up. We service all makes and models. Picture tubes, 21 in. 90 degrees, \$21.00 exchange with 1 year guarantee. TV rentals by day, week or month.

CENTRAL TV & STEREO CO.
Cor. Governors Drive & Parkway
Phone 536-9761

4. Mobile Homes

SEE OUR FULL LINE OF — Mobile Homes — or we'll both lose money! We trade for anything! easy terms. Come see the friendly folks at Texas Auto Sales, 1003 Meridian St., phone 536-6121. 1tc

Governors Drive Barber Shop

2901 Governors Drive
Between Butler High and Parkway

REG. HAIRCUTS — \$1.25
Flat Top Specialists
OPEN 8 TO 8 . . . 6 DAYS
A WEEK

CONVERTIBLE OWNERS AMERICAN AND FOREIGN CARS

Have that old top replaced before the cold, wet weather starts. Also: rear windows and zippers replaced. One day service in most cases. No down payment with easy financing available.

Auto Center Upholstery Company
2208 West Clinton St.
Phone 539-0382

5. Houses, Lots - Sale

FOR SALE—428 Acre Farm located about five (5) miles from Guntersville, no houses, has lots of young timber, corn rent 1963 was more than \$700.00. Price \$45.00 per acre. Call Guntersville 582-3027, 582-5313 or 582-5409. 1-7c

AUTHENTIC JAPANESE GARDEN in beautifully landscaped acre lot. Fenced. 3 bedrooms, 2 baths, separate dining room, 22x24 family room, 2 fireplaces. Youngstown kitchen with lots of cabinets. Screened patio. GE heat pump. By owner. 881-1587, 210 Flemington Rd., S.E. 1tp

FARM FOR SALE — 160 acres with old house more than 1/2 mile overlooking beautiful mirror lake will sell for small down payment, balance at \$50.00 per month plus interest only \$50.00 per acre. Cornelius Real Estate Co., Guntersville, Alabama. Phone 582-3027 or 582-5313. 1tc

WE CAN NOW BUILD you a three (3) bedroom brick veneer home fully completed to FHA or VA requirements on your lot with carport and storage for as little as \$49.77 per month, plus fire insurance, taxes, etc. No down payment and no closing cost CORNELIUS REAL ESTATE & INS. CO., 521 N. Broad St., Guntersville, Ala. 1tc

6. Pets

FOR SALE—Dachshund puppies, 6 weeks old, litter AKC registered, males \$45.00, females \$40.00 Call W. D. Woods, 881-3426 after 5 p.m. 1tc

FOR SALE—2 registered Beagles, 4 years old, good rabbit dogs Phone 881-4229. 1tc

Decatur HIGHLAND PARK

This beautiful new brick show home will be sold for \$19,650.00 in this low price. There are following many features and extras: Fully equipped kitchen includes disposal, oven, surface unit, dishwasher and refrigerator. All color toned. Laundry contains washer and dryer. 3 bedrooms, 2 ceramic tile baths, large paneled den, central air condition. The many rooms of decorator furniture will be given to the purchaser at no additional cost.

Low Dn. Pmt.

No Dn. Pmt.

FHA

V.A.

\$150.00 Closing

See at 1007 - 8th Ave., S.W., or Ph. Decatur 353-3474

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Just tell us how much money you need to meet all your seasonal expenses! Phone before noon to arrange for your money the same day! Do it now!

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MUTUAL

FINANCE

106 South Side Square
Phone: 536-8591

109 Holmes Ave., N.E.
Phone: 534-0611

In Decatur

121 East Moulton St.
Phone: EL 3-4413

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MUTUAL

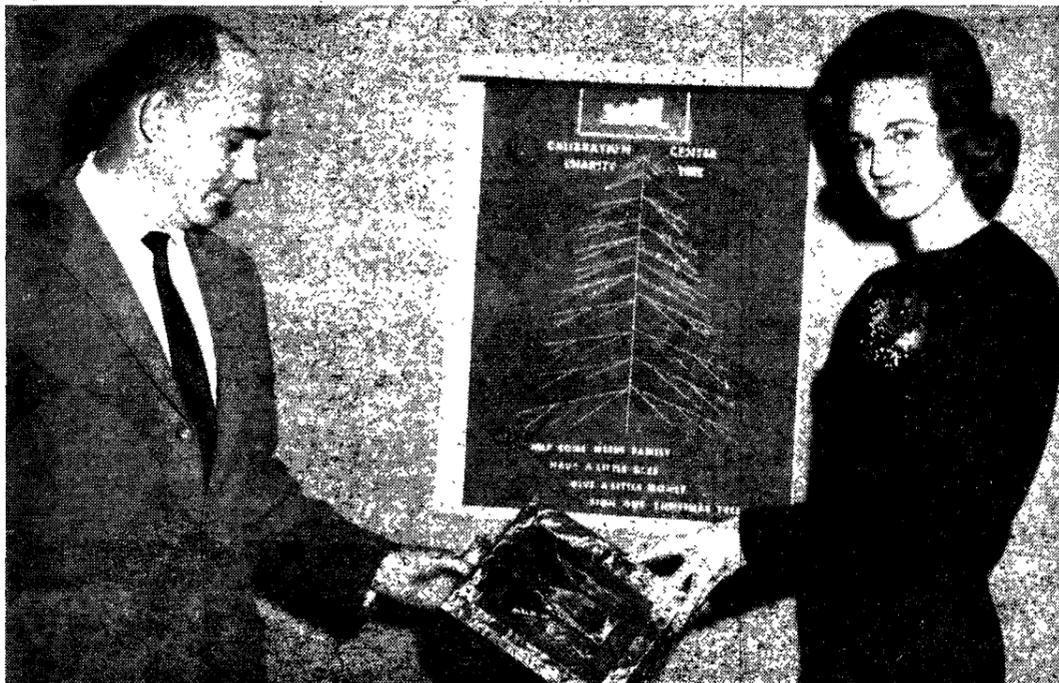
INDUSTRIAL FINANCE

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109 Holmes Ave., N.E.
Phone: 534-0611

In Decatur

121 East Moulton St.
Phone: EL 3-4413



CALIBRATIONS TO PLAY SANTA—Employees at the Calibrations Center of the Army Missile Support Agency are putting their Christmas card money into a kitty for charity instead of sending Christmas cards. Billy B. Jennings put a \$5 bill into the bank held by Miss Martha Sue McKissack. Other organizations at the arsenal are doing the same to make Christmas a happier one for some of their less fortunate neighbors.

Religious Services

RELIGIOUS SERVICES—POST CHAPEL—BLDG. 3714

PROTESTANT

SUNDAY — 1000 and 1115 hrs., General Protestant Services. (Chapel Nursery open during these Services.)

Church School — 1000 hrs. — ages 3 years to adult. Classes for children and young people, grades 1 through 12, meet in Chapel Annex, Bldg. 3151. All military and civilian personnel, and their families are welcome.

Sunday Evening Worship—1900 hrs

CATHOLIC

SUNDAY — Masses — 0730, 0845, 1230, and 1700 hrs. (Chapel Nursery open during Masses.)

BAPTISMS — 1330 hrs., or by appointment.

TUESDAY — Perpetual Help Novena — 1930 hrs. Choir Practice — 2000-2100 hrs.

THURSDAY — Instructions — 1900 hrs. Confessions — 1800-1930 hrs. Mass — 1100 hrs.

DAILY MASS — 1100 hrs. (Monday through Saturday)

REDSTONE PARK CHAPEL—BLDG. 9600

SUNDAY — 0945 hrs. — Sunday School. 1100 hrs. — Morning Worship Service. 1800 hrs. — Youth Fellowship for all young people, age 9 or grade 4 and up. 1900 hrs. — Evening Worship Service. (Nursery is open for both Services.)

JEWISH SERVICES

Conservative Jewish services will be held weekly each Friday at 2000 hrs. and each Saturday at 1000 hrs. at 2333 Poincianna Street, SW, Huntsville, behind the Scottish Rite Temple which is located at 314 Bob Wallace Avenue, SW.

Reform Jewish Services are held at Temple B'Nai Sholom 2000 hrs. Friday, at the corner of Lincoln & Clinton Streets, SE. Huntsville. Sunday School at 0930

Avenue, Huntsville. For further information or transportation, call Christian Science Armed Services Minister, Collect 776-2791.

cerning these Services, contact Rabbi Stein, 536-4771.
CHRISTIAN SCIENCE SERVICES — SUNDAY — 1100 HRS.

hrs. Wednesday services are held at 2000 hrs. at S. White and Wells

TO SHOW FILM
 The Redstone Arsenal Safety Division has scheduled the film 'Anatomy of an Accident' throughout the Arsenal organizations and at local TV stations. The movie is rated best traffic safety movie of 1963.

For dependents the movie will be shown at the Post Theatre on Dec. 17 at 10:00 a.m. and 2:00 p.m. On Dec. 18 they may view it at Redstone Park Chapel at 2:00, 3:00 and 7:00 p.m. On Dec. 20 it will be shown at the Officer's Club at 1:00 and 2:00 p.m.

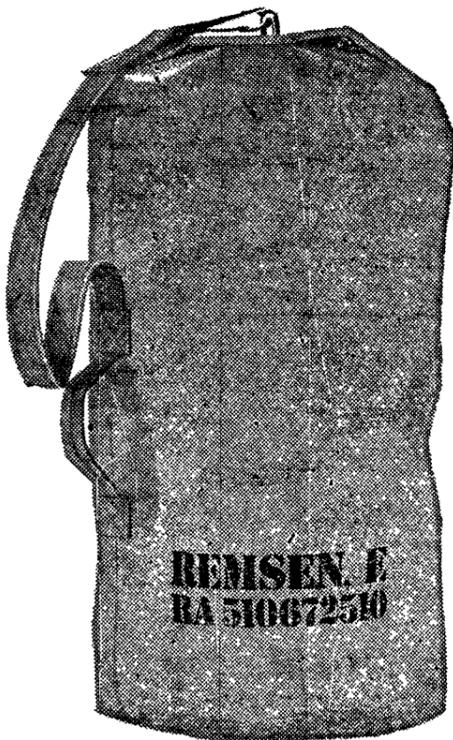
Drink to your good health with milk ... vitamin-enriched to help the whole family keep fit and full of energy. Call for delivery.



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SAVE 50% OFF ONE-WAY OR ROUND-TRIP JET FARES!

If you're a member of the U. S. Armed Forces, on authorized leave, furlough or pass, you can fly for just half the regular Jet Coach fare to any of the 113 cities served by Eastern in the continental United States. Between cities where there is no Eastern jet service, your half-fare rates will be based on equivalent Jet Coach fares. Half-fare rates available on standby basis.

To qualify for half-fare rates: Purchase your tickets in advance (this applies to all flights, including Eastern's "Air-Shuttle" and "Walk-On" service). Show a copy of your leave, furlough or pass when you purchase tickets, and be in uniform when you purchase tickets and when you travel. Get full details from Eastern or your base JAMTO or transportation office.

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 Washington St. - Downtown Huntsville
 We Close Wed. Afternoons

Holiday Safety Measures Taken At Missile School

Army-wide safety regulations designed to reduce traffic accidents will restrict the hours at which some 3,200 military personnel of the Army Ordnance Guided Missile School can depart on and return from their holiday vacations between Dec. 19th and Jan. 2nd, it was announced today.

Col. William J. Macpherson, commandant, said all military personnel planning to drive autos to holiday destinations will be held on campus until 7 a.m. Friday, Dec. 20th. Mess halls will serve early breakfast that morning. All must return to the school by 5 p.m. on Thursday, Jan. 2nd, except those who have been authorized leave beyond that time.

Col. Macpherson said the restriction is being imposed because Army surveys of holiday traffic accidents show that most occur during the hours of darkness, and many can be traced to fatigued drivers speeding toward their destinations.

However, he noted, all who are traveling by commercial transportation may obtain individual permission to leave at any time following the close of classes on Dec. 19th.

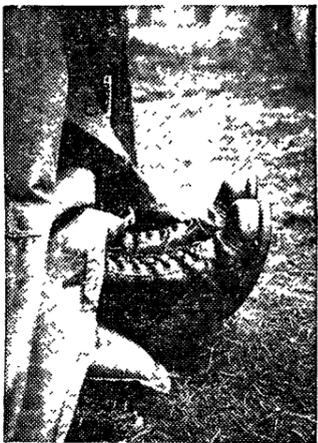
Col. Macpherson said the school also will impose heavy disciplinary penalties upon those who seek to evade the rules by having friends sign for them on duty rosters.

Special instructions are being issued to Redstone Arsenal military police and all OGMS company and unit commanders to enforce the regulations, he said.

FOR BETTER HEALTH

Plans are being developed jointly by the Civil Service Commission and Bureau of the Budget to update the standards which govern the establishment and operation of Federal employee health units. Goal of the study is to extend health service to many Federal employees who have not yet been included in an employee health program.

A Soldier Rests



HUNG OVER—An Army tent isn't quite long enough for one of its soldiers. The scene took place at Babenhausen, Germany during operation BIG LIFT. The feet are attached to Sp4 David Jones of Coal City, W. Va. (Photo courtesy Stars and Stripes, Europe.)



JAPANESE HELP HUNTSVILLE SCHOOLS—Col. Masakazu Kuramochi (right), Japanese Liaison Officer at the U. S. Army Ordnance Guided Missile School here, presents Dr. Raymond Christian, Supt. of City Schools, copies of a new Japanese Ministry of Travel brochure, "Japan Today," which elementary teachers will use in geography classes.

December 5, 1782 — Martin Van Buren, the eighth President of the United States born at Kinderhook, New York, the first U. S. President born a citizen of the United States.

December 7, 1941 — Japanese sneak attack made against Pearl Harbor, Hawaii. The U. S. loss was 5 battleships, 3 destroyers, a minelayer and a target vessel sunk as well as many damaged. Casualties totaled 2,117 killed, 1,272 wounded and 960 missing.

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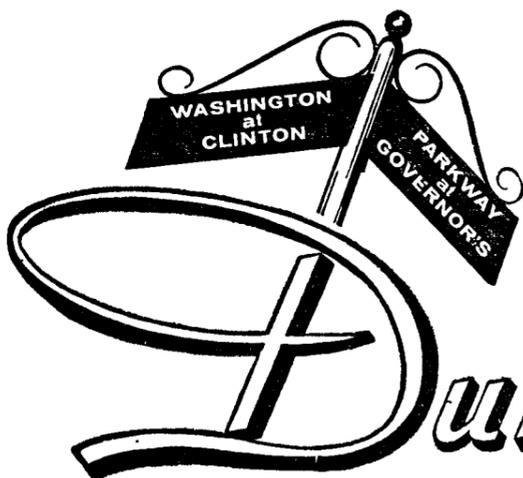
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MALL STORE: 'til 9 p.m.



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Huntsville BORN, Huntsville OWNED, Huntsville MANAGED